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Houston, Texas 77058

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VOLUME 2 of 2

# TRANSONIC STABILITY AND CONTROL CHARACTERISTICS OF A 0.015-SCALE (REMOTELY CONTROLLED ELEVON) MODEL 44-0 OF THE SPACE SHUTTLE ORBITER TESTED IN THE NASA/ARC 11-FOOT TRANSONIC WIND TUNNEL

(LA77)

## SPACE SHUTTLE AEROTHERMODYNAMIC DATA REPORT

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Data Management SERVICES

SPACE DIVISION CHRYSLER CORPORATION

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VOLUME 2 of 2

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(LA77)

by

Harry Parrell
Rockwell International Space Division

Prepared under NASA Contract Number NAS9-13247

by

Data Management Services
Chrysler Huntsville Electronics Division/Slidell Engineering Office
Slidell, La. 70458

for

Engineering Analysis Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TESTS SPECIFICS:

| | |
|---|---|
| Test Number: | ARC 11-FOOT TWT 200-1 |
| NASA Series Number: | LA77 |
| Model Number: | 44-0 |
| Test Dates: | July 1976 |
| Occupancy Hours: | 151 |

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Chrysler Corporation Huntsville Electronics Division/Slidell Engineering Office assumes no responsibility for the data presented other than display characteristics

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## ABSTRACT

The investigation was conducted in the NASA/Ames Research Center 11-Foot Transonic Wind Tunnel in the month of July 1976. The model was a Langley-built 0.015-scale SSV Orbiter model with remote independently operated left and right elevon surfaces. Special attention was directed to definition of nonlinear aerodynamic characteristics by taking data at small increments.

The objectives of the test were to obtain transonic aerodynamic data on control surface linearity and sensitivity to Mach number for fine-cut speed brake, body flap and rudder deflections and to investigate the interactive effects of mutual control surface deflections.

Six component aerodynamic force, moment and elevon position data were recorded for the Space Shuttle Orbiter with various elevon, aileron, rudder and speed brake deflection combinations over an angle of attack range from -2° to 20° at angles of sideslip of 0° and 4°. Additional tests were made over an angle of sideslip range from -6° to 8° at selected angles of attack. The test Mach numbers were 0.6, 0.8, 0.90, 0.92, 0.95, 0.98, 1.05, 1.12 and 1.2 with Reynolds numbers varying from 6.0 to 8.75 X $10^6$ per foot.

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INDEX OF DATA FIGURES

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SCHEDULE OF COEFFICIENTS

(A) $C_N$ vs $\alpha$
$C_A$ vs $\alpha$
$C_L$ vs $\alpha$
$C_D$ vs $\alpha$
$C_m$ vs $\alpha$
$C_l$(BODY) vs $\alpha$
$C_n$(BODY) vs $\alpha$
$C_Y$ vs $\alpha$

(B) $C_N$ vs $\delta_{SB}$
$C_A$ vs $\delta_{SB}$
$C_L$ vs $\delta_{SB}$
$C_D$ vs $\delta_{SB}$
$C_m$ vs $\delta_{SB}$
$C_l$(BODY) vs $\delta_{SB}$
$C_n$(BODY) vs $\delta_{SB}$
$C_Y$ vs $\delta_{SB}$

(C) $C_l$(BODY) vs $\alpha$
$C_n$(BODY) vs $\alpha$
$C_Y$ vs $\alpha$

(D) $C_l$(BODY) vs $\beta$
$C_n$(BODY) vs $\beta$
$C_Y$ vs $\beta$

VARYING CONDITIONS

(A) MACH
(B) SPEED BRAKE, ELEVON, MACH
(C) BODY FLAP, MACH
(D) BODY FLAP, ELEVON, MACH
(E) SPEED BRAKE, ALPHA, MACH
(F) RUDDER, MACH, SPEED BRAKE
(G) RUDDER, SPEED BRAKE, ELEVON, MACH
(H) BETA, ELEVON, MACH, BODY FLAP
(I) BETA, BODY FLAP, MACH
(J) ALPHA, BODY FLAP, MACH
(K) RUDDER, SPEED BRAKE, ALPHA, BODY FLAP
(L) ALPHA, AILERON, ELEVON

## NOMENCLATURE
### General

| SYMBOL | PLOT SYMBOL | DEFINITION |
|---|---|---|
| a | | speed of sound; m/sec, ft/sec |
| $C_p$ | CP | pressure coefficient; $(p_l - p_\infty)/q$ |
| M | MACH | Mach number; V/a |
| p | | pressure; $N/m^2$, psf |
| q | Q(NSM)<br>Q(PSF) | dynamic pressure; $1/2\rho V^2$, $N/m^2$, psf |
| RN/L | RN/L | unit Reynolds number; per m, per ft |
| V | | velocity; m/sec, ft/sec |
| $\alpha$ | ALPHA | angle of attack, degrees |
| $\beta$ | BETA | angle of sideslip, degrees |
| $\psi$ | PSI | angle of yaw, degrees |
| $\phi$ | PHI | angle of roll, degrees |
| $\rho$ | | mass density; $kg/m^3$, $slugs/ft^3$ |
| | | **Reference & C.G. Definitions** |
| $A_b$ | | base area; $m^2$, $ft^2$ |
| b | BREF | wing span or reference span; m, ft |
| c.g. | | center of gravity |
| $\ell_{REF}$<br>$\bar{c}$ | LREF | reference length or wing mean aerodynamic chord; m, ft |
| S | SREF | wing area or reference area; $m^2$, $ft^2$ |
| | MRP | moment reference point |
| | XMRP | moment reference point on X axis |
| | YMRP | moment reference point on Y axis |
| | ZMRP | moment reference point on Z axis |

**SUBSCRIPTS**

| | |
|---|---|
| b | base |
| l | local |
| s | static conditions |
| t | total conditions |
| $\infty$ | free stream |

NOMENCLATURE (Continued)

Body-Axis System

| SYMBOL | PLOT SYMBOL | DEFINITION |
|---|---|---|
| $C_N$ | CN | normal-force coefficient; $\frac{\text{normal force}}{qS}$ |
| $C_A$ | CA | axial-force coefficient; $\frac{\text{axial force}}{qS}$ |
| $C_Y$ | CY | side-force coefficient; $\frac{\text{side force}}{qS}$ |
| $C_{A_b}$ | CAB | base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$ |
| $C_{A_f}$ | CAF | forebody axial force coefficient, $C_A - C_{A_b}$ |
| $C_m$ | CLM | pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$ |
| $C_n$ | CYN | yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$ |
| $C_\ell$ | CBL | rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$ |
| | | Stability-Axis System |
| $C_L$ | CL | lift coefficient; $\frac{\text{lift}}{qS}$ |
| $C_D$ | CD | drag coefficient; $\frac{\text{drag}}{qS}$ |
| $C_{D_b}$ | CDB | base-drag coefficient; $\frac{\text{base drag}}{qS}$ |
| $C_{D_f}$ | CDF | forebody drag coefficient; $C_D - C_{D_b}$ |
| $C_Y$ | CY | side-force coefficient; $\frac{\text{side force}}{qS}$ |
| $C_m$ | CLM | pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$ |
| $C_n$ | CLN | yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$ |
| $C_\ell$ | CSL | rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$ |
| L/D | L/D | lift-to-drag ratio; $C_L/C_D$ |
| $L/D_f$ | L/DF | lift to forebody drag ratio; $C_L/C_{D_f}$ |

NOMENCLATURE (Concluded)
Additions to Nomenclature

| SYMBOL | MNEMONIC | DEFINITION |
|---|---|---|
| $\delta_a$ | AILRON | aileron, total aileron deflection angle, degrees, (left aileron-right aileron) /2 |
| $\delta_e$ | ELEVON | elevon, surface deflection angle, positive deflection trailing edge down, (left aileron + right aileron)/2 |
| $C_A$ | CA | axial-force coefficient unadjusted for base or sting cavity pressures |
| $C_{A_{S_C}}$ | CAC | sting cavity axial-force coefficient |
| $\bar{c}_e$ | | elevon mean aerodynamic chord, in. |
| $S_e$ | | elevon planform area, ft. |
| $\delta_{SB}$ | SPDBRK | speed brake deflection angle, degrees |
| $\delta_r$ | RUDDER | rudder deflection angle, degrees |
| $\delta_{BF}$ | BDFLAP | bodyflap deflection angle, degrees |
| $X_{cp}/\ell_B$ | XCP/L | normal force center of pressure, percent reference length |
| $\delta_{e_L}$ | ELEV-L | left elevon surface deflection angle, positive deflection trailing edge down, degrees |
| $\delta_{e_R}$ | ELEV-R | right elevon surface deflection angle, positive deflection trailing edge down, degrees |
| $A_{sc}$ | | sting cavity area, $m^2$, $ft^2$ |
| $\ell_B$ | | body length, m, ft. |
| $\Delta\beta$ | DLTBTA | incremental angle of sideslip, difference between two or more test runs, degrees |
| | GRIT | parameter to denote testing with grit GRIT = 1 (grit on), GRIT = 0 (grit off) |
| $Cp_b$ | CPB | pressure coefficient base |
| $Cp_c$ | CPC | pressure coefficient and cavity |

## INTRODUCTION

Langley Research Center (LaRC), assisting Johnson Space Center (JSC) in the Space Shuttle development program, is continuing their support in determining Space Shuttle Orbiter aerodynamics, utilizing, at present, an .015-scale model having remotely controlled elevons. The original phase of this project was initiated to determine, systematically, fine-cut stability and elevon/aileron control characteristics of the Orbiter and to locate areas of non-linear aerodynamics, and to investigate the sensitivity of these non-linearities to Reynolds number in the Mach number range from 0.20 to 4.60.

During the analysis of results obtained in this basic program. several areas needing further investigation were discovered. No consideration was given to the possibility of interactive mutual interference effects between control surfaces in combination where one deflected surface could significantly affect the aerodynamic effectiveness of another. Also, there is a significant lack of data on the rudder effectiveness associated with incremental speed brake, or body flap deflections.

The objectives of these continuing studies are therefore, to determine control effectiveness linearity for fine-cut speed brake, body flap, and rudder deflections, and to investigate the interactive effects of mutual interference when control surfaces are deflected in combination.

The present investigation was initiated to study the transonic characteristics, utilizing the NASA/Ames Research Center 11-Foot Transonic Wind Tunnel. The test was conducted from July 7 to 24, 1976. The test Mach numbers of this investigation were 0.6, 0.8, 0.9, 0.92, 0.95, 0.98, 1.05, 1.12 and 1.20 with Reynolds number varied from 6.0 to $8.75 \times 10^6$ per foot. Six component aerodynamic force and moment and elevon position data were recorded for the Space Shuttle Orbiter with various elevon, aileron, rudder and speed brake deflection combinations over an angle of attack range from $-2^\circ$ to $20^\circ$ at angles of sideslip of $0^\circ$ and $4^\circ$. Additional tests were made over an angle of sideslip range from $-6^\circ$ to $8^\circ$ at selected angles of attack.

## MODEL DESCRIPTION

The test model was a 0.015-scale model of the Space Shuttle Orbiter (Figure 2 and 3). The model was constructed at the Langley Research Center using the nose section forward of full-scale fuselage station 672.8, the vertical tail and OMS pods from an existing Rockwell model 49-0. The remainder of the model, the wings, elevons, and body were constructed from Rockwell-furnished line details. The elevon hinge line gap was sealed for this test. The left and right elevon surfaces were driven independently by internally mounted electric motors. The elevon position was determined by high resolution potentiometers mounted on the pivot axis of the elevons, thus giving the true position of the elevon under load at all times. The accuracy of the elevon position is the read-out accuracy of the potentiometer, which was determined to be within 0.2 degree.

The model configuration is summarized as follows:

$$\text{Orbiter-140A/B/C} = B_{26}\ C_9\ E_{43}\ F_8\ M_{16}\ N_{28}\ R_5\ V_8\ W$$

| Component | Definition |
|---|---|
| $B_{26}$ | Fuselage per Rockwell Lines VL70-000140A and VL70-000140B (Model SS-A00147) |
| $C_9$ | Canopy per Rockwell Lines VL70-000143A and VL70-000143B (Model drawing SS-A00147) |
| $E_{43}$ | Slotted version (6-inch) of $E_{26}$ elevons per Rockwell VL70-000145 (Model drawing SS-A00147) |
| $F_8$ | Body flap per Rockwell Lines VL70-000145 (Model drawing SS-A00147) |
| $M_{16}$ | OMS/RCS pods per Rockwell Lines VL70-0084010 (Model drawing SS-A00147) |
| $N_{28}$ | OMS engine nozzle per Rockwell Lines VL70-000145 (Model drawing SS-A00147) |
| $R_5$ | Rudder per Rockwell Lines VL70-000145 (Model drawing SS-A00148) |

| Component | |
|---|---|
| $V_8$ | Vertical tail per Rockwell Lines VL70-000146A (Model drawing SS-A00148) |
| W | Wing per Rockwell V70-30-906-01 (Basic Control drawing) |

A complete description of model dimensional data is given in Table III.

## TEST CONDITIONS

The tunnel conditions existing during the test are summarized in Table I and the configurations tested are shown in Table II. The model was sting supported, and the aerodynamic forces and moments were measured by an internally mounted six-component strain gage balance. The model was tested "clean" with no transition grit applied. Model angle of attack was varied from about -2° to 20° for angles of sideslip of 0° and 4°. Sideslip angles were varied from -6° to 8° at angles of attack of 5°, 10° and 15°. Angles of attack and sideslip have been corrected for the effects of sting deflection under load. Runs were made either by setting the elevons at a fixed angle of 0, +10°, and -10° or varying the elevon angle. No correction due to load has been applied to elevon angle since total torsional bending of the elevon has been determined to be negligible.

## TEST FACILITY DESCRIPTION

The tests were conducted in the Ames 11- by 11-Foot Transonic Wind Tunnel which is a variable density, closed return, continuous flow type. This tunnel has an adjustable nozzle (two flexible walls) and a slotted test section to permit transonic testing over a Mach number range continuously variable from 0.4 to 1.4.

## DATA REDUCTION

An LTV-VB-36 six-component strain gage balance was used to measure model forces and moments. All final data were presented along a set of body and stability axes (Figure 1) through the nominal center of gravity located at F.S. 1076.7 and FRL 375.0. Drag data presented represent gross drag in that no corrections to free-stream conditions in the base regions have been made. Model data were converted to standard NASA coefficients using the following constants:

| | |
|---|---|
| Reference Area | $S_{ref} = 0.605$ ft.$^2$ |
| Reference Length | $\ell_{ref} = 7.122$ in. |
| Reference Span | $b_{ref} = 14.05$ in. |
| Total base area excluding sting cavity | $A_b = 0.0615$ ft.$^2$ |
| Sting cavity area | $A_{sc} = 0.03409$ ft.$^2$ |

TABLE I

TEST : ARC11TWT 200-1-11 (LA77) DATE : 9-22-76

## TEST CONDITIONS

| MACH NUMBER | REYNOLDS NUMBER (per unit length) | DYNAMIC PRESSURE (pounds/sq. inch) | STAGNATION TEMPERATURE (degrees Fahrenheit) |
|---|---|---|---|
| 0.60 | $7.0 \times 10^6$ | 6.04 | |
| 0.90 | $7.0 \times 10^6$ | 8.26 | |
| 0.90 | $8.0 \times 10^6$ | 8.72 | |
| 0.92 | $7.0 \times 10^6$ | 8.40 | |
| 0.95 | $6.0 \times 10^6$ | 7.36 | |
| 0.95 | $7.0 \times 10^6$ | 8.61 | |
| 0.95 | $8.0 \times 10^6$ | 10.21 | |
| 0.95 | $8.75 \times 10^6$ | 11.18 | |
| 0.98 | $7.0 \times 10^6$ | 8.82 | |
| 1.00 | $7.0 \times 10^6$ | 8.96 | |
| 1.02 | $7.0 \times 10^6$ | 9.03 | |
| 1.05 | $7.0 \times 10^6$ | 8.24 | |
| 1.05 | $8.0 \times 10^6$ | 11.04 | |
| 1.12 | $7.0 \times 10^6$ | 8.72 | |
| 1.12 | $8.0 \times 10^6$ | 11.46 | |
| 1.20 | $7.0 \times 10^6$ | 10.07 | |

BALANCE UTILIZED: LTV VB36

| | CAPACITY: | ACCURACY: | COEFFICIENT TOLERANCE: |
|---|---|---|---|
| NF | 2000 lb | ± 10.0 lb | 0.011→0.037 |
| SF | 980 lb | ± 4.9 lb | 0.005→0.018 |
| AF | 200 lb | ± 1.0 lb | 0.0011→0.0037 |
| PM | 3000 in-lb | ± 15.0 in-lb | 0.002→0.008 |
| RM | 1200 in-lb | ± 6.0 in-lb | 0.001→0.002 |
| YM | 1200 in-lb | ± 6.0 in-lb | 0.001→0.002 |

COMMENTS:



LMS 010

TABLE I (Concluded)

TEST : ARC11'TWT200-1-11 (LA77

DATE : 9-22-75

## TEST CONDITIONS

| MACH NUMBER | REYNOLDS NUMBER (per unit length) | DYNAMIC PRESSURE (pounds/sq. inch) | STAGNATION TEMPERATURE (degrees Fahrenheit) |
|---|---|---|---|
| 1.20 | $8.0 \times 10^6$ | 11.81 | |
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BALANCE UTILIZED: LTV VB36

| | CAPACITY: | ACCURACY: | COEFFICIENT TOLERANCE: |
|---|---|---|---|
| NF | 2000 lb | ± 10.0 lb | 0.011 → 0.037 |
| SF | 980 lb | ± 4.9 lb | 0.005 → 0.018 |
| AF | 200 lb | ± 1.0 lb | 0.0011 → 0.0037 |
| PM | 3000 in-lb | ± 15.0 in-lb | 0.002 → 0.008 |
| RM | 1200 in-lb | ± 6.0 in-lb | 0.001 → 0.002 |
| YM | 1200 in-lb | ± 6.0 in-lb | 0.001 → 0.002 |

COMMENTS:

TEST: 200-1-11 LA77

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES $S_a$ | $S_e$ | $S_F$ | $S_R$ | $S_{BF}$ | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B001 | ØV101 | A | 0 | 0 | 0 | 25 | 0 | 0 | 8 | | | 45 | | 54 | | 10 | 6 | 2 |
| 02 | | A | 4 | 0 | 0 | | | | | | | 38 | | 55 | | 16 | 7 | 3 |
| 03 | | 10 | $B_1$ | 0 | 0 | | | | | | | | | 321 | | | 8 | 4 |
| 04 | | 10 | $B_2$ | 0 | 0 | | | | | | | | | 322 | | | 9 | 5 |
| 05 | | A | 0 | 0 | 10 | | | | | | | 46 | | 323 | | 11 | | |
| 06 | | A | 0 | 0 | -10 | | | | | | | 47 | | 317 | | 12 | | |
| 07 | | A | 0 | 5 | -10 | | | | | | | 48 | | 318 | | 13 | | |
| 08 | | A | 4 | 5 | -10 | | | | | | | 36 | | | | 14 | | |
| 09 | | A | 4 | 0 | -10 | | | | | | | 37 | | 319 | | 15 | | |
| 10 | | 5 | $B_1$ | 0 | 0 | | | | | | | 39 | | | | 17 | | |
| 11 | | 5 | $B_2$ | 0 | 0 | | | | | | | 40 | | | | 18 | | |
| 12 | | 5 | $B_1$ | 0 | -10 | | | | | | | 41 | | 320 | | 19 | | |
| 13 | | 5 | $B_2$ | 0 | -10 | | | | | | | 42 | | | | 20 | | |
| 14 | | 5 | $B_1$ | 5 | -10 | | | | | | | 43 | | | | 21 | | |
| 15 | | 5 | $B_2$ | 5 | -10 | | | | | | | 44 | | | | 22 | | |
| 16 | | 5 | 0 | D | -10 | | | | | | | 49 | | | | 23 | | |
| 17 | | 5 | 0 | 0 | C | | | | | | | | | | | 24 | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

A) α = -2, 0, 2, 4, 6, 8, 10, 11, 12, 13, 14, 15, 16, 18, 20, 0 for M = .6, .8, 1.2

A) α = -2, 0, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 20, 0 for M = 0.9, 0.92, 0.95, 0.98, 1.05, 1.12

IDVAR (1) IDVAR (2) NDV

TEST: 200-1-11 LA77

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES $\delta_a$ | $\delta_e$ | $\delta_{SB}$ | $\delta_R$ | $\delta_{REF}$ | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B018 | ⊕V101 | A | 0 | 0 | 0 | 25 | 0 | 0 | 7 | 25 | | | | | | | | |
| 19 | | A | 0 | 0 | 10 | | | | | 26 | | | | | | | | |
| 20 | | A | 0 | 0 | -10 | | | | | 27 | | | | | | | | |
| 21 | | A | 0 | 5 | -10 | | | | | 28 | | | | | | | | |
| 22 | | A | 4 | 5 | -10 | | | | | 29 | | | | | | | | |
| 23 | | A | 4 | 0 | -10 | | | | | 30 | | | | | | | | |
| 24 | | A | 4 | 0 | 0 | | | | | 31 | | | | | | | | |
| 25 | | 5 | $B_1$ | 0 | 0 | | | | | 32 | | | | | | | | |
| 26 | | 5 | $B_1$ | 0 | -10 | | | | | 33 | | | | | | | | |
| 27 | | 5 | $B_1$ | 5 | -10 | | | | | 34 | | | | | | | | |
| 28 | | 5 | 0 | D | -10 | | | | | 35 | | | | | | | | |
| 29 | | 10 | $B_1$ | 0 | 0 | | | | | 324 | | | | | | | | |
| | | | | | | | | | | 0.6 | 0.9 | 0.92 | 0.95 | 0.98 | 1.00 | 1.02 | 1.05 | 1.12/1.2 |
| R2B030 | ⊕V101 | $X_1$ | 0 | 0 | 0 | 25 | 0 | 0 | 7 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333/334 |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

$B_1$) $\beta$ = -6, -4, -3, -2, -1, 0, 1, 2, 3, 4, 6, 8

$B_2$) $\beta$ = 8, 6, 4, 3, 2, 1, 0, -1, -2, -3, -4, -6

IDVAR (1) IDVAR (2) NDV

$X_1$) $\alpha$ = 0, 5, 10

TEST: 200-1-11 LA77

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | δa | δe | δeB | δR | δBF | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B031 | QV101 | 15 | B1 | 0 | 0 | 25 | 0 | 0 | 8.75 | | | | | 50 | | | | | |
| 32 | | 15 | B2 | 0 | 0 | | | | | | | | | 51 | | | | | |
| 33 | | 5 | B1 | 0 | 0 | | | | | | | | | 52 | | | | | |
| 34 | | 5 | B2 | 0 | 0 | | | | | | | | | 53 | | | | | |
| R2B035 | QV101 | 15 | B1 | 0 | 0 | 25 | 0 | 0 | 6.0 | | | | | 56 | | | | | |
| 36 | | 15 | B2 | 0 | 0 | | | | | | | | | 57 | | | | | |
| 37 | | 5 | B1 | 0 | 0 | | | | | | | | | 58 | | | | | |
| 38 | | 5 | B2 | 0 | 0 | | | | | | | | | 59 | | | | | |

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

C) $\delta_e = \delta_{eL} = \delta_{eR} = -10, -8, -6, -4, -2, -1, 0, 1, 2, 4, 6, 8, 10$

D) $\delta_{eL} = -17, -16, -15, -13, -11, -10, -9, -7, -5$

$\delta_{eR} = -3, -4, -5, -7, -9, -10, -11, -13, -15$

$\delta a = -7 \rightarrow +5$, $\delta e = -10$

TEST: 200-1-11 LA77

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δa | δe | δSB | δR | δBF | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B039 | QV10 | A | 0 | 0 | 0 | 25 | -10 | 0 | 8 | | | | | | | | | | |
| 40 | | A | 4 | 0 | 0 | | | | | | | | | | | | | 60 | |
| 41 | | 10 | $B_1$ | 0 | 0 | | | | | | | | | | | | | 61 | |
| | | | | | | | | | | | | | | | | | | 62 | |
| R2B042 | QV10 | A | 0 | 0 | 0 | 25 | -10 | 0 | 7 | 89 | | | | | | | | | |
| 43 | | A | 0 | 0 | -10 | | | | | 90 | | | | | | | | | |
| 44 | | A | 4 | 0 | -10 | | | | | 91 | | | | | | | | | |
| 45 | | 10 | $B_1$ | 0 | 0 | | | | | 92 | | | | | | | | | |
| 46 | | 10 | $B_2$ | 0 | 0 | | | | | 93 | | | | | | | | | |

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST: 200-1-11 LA77

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES Sa | Se | SSB | SR | SBF | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B047 | QV101 | A | 0 | 0 | 0 | 25 | -10 | 0 | 8 | | | 84 | | 69 | | 63 | | |
| 48 | | A | 0 | 0 | -10 | | | | | | | 85 | | 70 | | 64 | | |
| 49 | | A | 0 | 5 | -10 | | | | | | | | | 71 | | | | |
| 50 | | A | 4 | 0 | -10 | | | | | | | 86 | | 72 | | 65 | | |
| 51 | | A | 4 | 0 | 0 | | | | | | | | | 73 | | 66 | | |
| 52 | | 5 | B1 | 0 | 0 | | | | | | | 87 | | 74 | | 67 | | |
| 53 | | 5 | B2 | 0 | 0 | | | | | | | 88 | | 75 | | | | |
| 54 | | 5 | B1 | 0 | -10 | | | | | | | | | 76 | | 68 | | |
| 55 | | 5 | B2 | 0 | -10 | | | | | | | | | 77 | | | | |
| 56 | | 15 | B1 | 0 | -10 | | | | | | | | | 78 | | | | |
| 57 | | 15 | B2 | 0 | -10 | | | | | | | | | 79 | | | | |
| 58 | | 15 | B1 | 0 | 0 | | | | | | | | | 80 | | | | |
| 59 | | 15 | B2 | 0 | 0 | | | | | | | | | 81 | | | | |
| 60 | | 15 | B3 | 0 | 0 | | | | | | | | | 82 | | | | |
| 61 | | 5 | B3 | 0 | 0 | | | | | | | | | 83 | | | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

α OR β SCHEDULES

B3) β = 0, -1, -2, -3, -4, -3, -2, -1, 0, 1, 2, 3, 4, 3, 2, 1, 0

IDVAR (1) IDVAR (2) NDV

TEST: 200-1-11 LA77

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | $S_a$ | $S_e$ | $S_{SB}$ | $S_R$ | $S_{BF}$ | RN | 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R28062 | QV10 | A | 0 | 0 | 0 | 25 | -5 | 0 | 7 | 115 | | | | | | | | 94 |
| 63 | | A | 4 | 0 | 0 | | | | | 116 | | | | | | | | 95 |
| 64 | | 10 | $B_1$ | 0 | 0 | | | | | 117 | | | | | | | | 96 |
| R28065 | QV10 | A | 0 | 0 | 0 | 25 | -5 | 0 | 8 | | | 110 | | 102 | | | | |
| 66 | | A | 0 | 0 | -10 | | | | | | | 111 | | 103 | | | | |
| 67 | | A | 4 | 0 | -10 | | | | | | | 112 | | 104 | | | | |
| 68 | | 15 | $B_1$ | 0 | 0 | | | | | | | | | 108 | | | | |
| 69 | | 15 | $B_2$ | 0 | 0 | | | | | | | | | 109 | | | | |
| 70 | | 5 | $B_1$ | 0 | 0 | | | | | | | | | 105 | | | | |
| 71 | | 12.5 | $B_1$ | 0 | 0 | | | | | | | | | 106 | | | | |
| 72 | | 12.5 | $B_2$ | 0 | 0 | | | | | | | | | 107 | | | | |
| 73 | | 15 | $B_1$ | 0 | -10 | | | | | | | 113 | | | | | | |
| 74 | | 15 | $B_2$ | 0 | -10 | | | | | | | 114 | | | | | | |

MACH NUMBERS

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST: 200-1-11 LA77

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δa | δe | δsp | δR | δBF | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B075 | QV101 | A | 0 | 0 | 0 | 25 | -5 | 0 | 7 | | | | | | | 97 | | |
| 76 | | A | 0 | 0 | -10 | | | | | | | | | | | 98 | | |
| 77 | | A | 4 | 0 | -10 | | | | | | | | | | | 99 | | |
| 78 | | 15 | $B_1$ | 0 | 0 | | | | | | | | | | | 100 | | |
| 79 | | 15 | $B_2$ | 0 | 0 | | | | | | | | | | | 101 | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

TEST: 200-1-11 LA77

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | Sa | Se | SSB | SR | SBF | RN | 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B080 | QV101 | A | 0 | 0 | 0 | 55 | 0 | 0 | 7 | 170 | | | | | | | | 118 |
| 81 | | A | 0 | 0 | -10 | | | | | 171 | | | | | | | | 119 |
| 82 | | A | 4 | 0 | 0 | | | | | 172 | | | | | | | | 120 |
| 83 | | 10 | B1 | 0 | 0 | | | | | 173 | | | | | | | | 121 |
| R2B084 | QV101 | A | 0 | 0 | 0 | 55 | 0 | 0 | 8 | | | 140 | | 130 | | 122 | | |
| 85 | | A | 0 | 0 | -10 | | | | | | | 141 | | 131 | | 123 | | |
| 86 | | A | 4 | 0 | -10 | | | | | | | 142 | | 132 | | 124 | | |
| 87 | | A | 4 | 0 | 0 | | | | | | | 143 | | 133 | | 125 | | |
| 88 | | 5 | B1 | 0 | 0 | | | | | | | 144 | | 134 | | 126 | | |
| 89 | | 15 | B1 | 0 | 0 | | | | | | | | | 135 | | | | |
| 90 | | 15 | B2 | 0 | 0 | | | | | | | | | 136 | | | | |
| 91 | | 5 | B1 | 5 | -10 | | | | | | | 145 | | 137 | | 127 | | |
| 92 | | A | 0 | 5 | -10 | | | | | | | 146 | | 138 | | 128 | | |

MACH NUMBERS

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST: 200-1-11 LA77

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES Sa | Se | $S_{SB}$ | $S_R$ | $S_{BF}$ | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B093 | QV102 | A | 0 | 0 | 0 | 55 | -10 | 0 | 7 | 147 | | | | | | | | 151 |
| 094 | | A | 0 | 0 | -10 | | | | | 148 | | | | | | | | 152 |
| 095 | | A | 4 | 0 | 0 | | | | | 149 | | | | | | | | 153 |
| 096 | | 10 | B1 | 0 | 0 | | | | | 150 | | | | | | | | 154 |
| R2B097 | [illegible] | A | 0 | 0 | 0 | 55 | -10 | 0 | 8 | | | 166 | | 160 | | 155 | | |
| 098 | | A | 0 | 0 | -10 | | | | | | | 167 | | 161 | | 156 | | |
| 099 | | A | 4 | 0 | -10 | | | | | | | | | 162 | | 157 | | |
| 100 | | A | 4 | 0 | 0 | | | | | | | 168 | | 163 | | 158 | | |
| 101 | | 5 | B1 | 0 | 0 | | | | | | | 169 | | 164 | | 159 | | |
| 102 | | A | 0 | 5 | -10 | | | | | | | | | 165 | | | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST: 200-1-11 LA77

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | Sa | Se | SSB | SR | SBF | RN | 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B103 | DV101 | A | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 199 | | | | | | | | 174 |
| 104 | | A | 0 | 0 | -10 | | | | | 200 | | | | | | | | 175 |
| 105 | | A | 4 | 0 | -10 | | | | | | | | | | | | | 176 |
| 106 | | A | 4 | 0 | 0 | | | | | 201 | | | | | | | | 184 |
| 107 | | 10 | B1 | 0 | 0 | | | | | 202 | | | | | | | | 177 |
| R2B108 | DV101 | A | 0 | 0 | 0 | 0 | 0 | 0 | 8 | | | 194 | | 185 | | 178 | | |
| 109 | | A | 0 | 0 | -10 | | | | | | | 195 | | 186 | | 179 | | |
| 110 | | A | 4 | 0 | -10 | | | | | | | | | 187 | | 181 | | |
| 111 | | A | 4 | 0 | 0 | | | | | | | 197 | | 188 | | 182 | | |
| 112 | | 5 | B1 | 0 | 0 | | | | | | | 198 | | 189 | | 183 | | |
| 113 | | 15 | B1 | 0 | 0 | | | | | | | | | 190 | | | | |
| 114 | | 15 | B2 | 0 | 0 | | | | | | | | | 191 | | | | |
| 115 | | A3 | -2 | 5 | -10 | | | | | | | | | 192 | | | | |
| 116 | | A | 0 | 5 | -10 | | | | | | | 196 | | 193 | | 180 | | |

MACH NUMBERS

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES: A3) α = -2, 0, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST: 200-1-11 LA77

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | δa | δe | δeB | δR | δDF | RN | 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B 117 | ① V101 | A | 0 | 0 | 0 | 0 | -10 | 0 | 7 | 221 | | | | | | | | 203 |
| 118 | | A | 0 | 0 | -10 | | | | | 222 | | | | | | | | 204 |
| 119 | | A | 4 | 0 | 0 | | | | | 223 | | | | | | | | 205 |
| 120 | | 10 | B1 | 0 | 0 | | | | | 224 | | | | | | | | 206 |
| R2B 121 | ① V101 | A | 0 | 0 | 0 | 0 | -10 | 0 | 8 | | | 217 | | 211 | | 207 | | |
| 122 | | A | 0 | 0 | -10 | | | | | | | 218 | | 212 | | 208 | | |
| 123 | | A | 0 | 5 | -10 | | | | | | | | | 213 | | | | |
| 124 | | A | 4 | 0 | 0 | | | | | | | 219 | | 214 | | 209 | | |
| 125 | | 5 | B1 | 0 | 0 | | | | | | | 220 | | 215 | | 210 | | |
| 126 | | 5 | B2 | 0 | 0 | | | | | | | | | 216 | | | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST: 200-1-11 LA77

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES $S_a$ | $S_e$ | $S_{SB}$ | $S_R$ | $S_{BF}$ | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B127 | QV101 | A | 0 | 0 | 0 | 0 | -5 | 0 | 7 | 238 | | | | | | | | 225 |
| 128 | | A | 4 | 0 | 0 | | | | | 239 | | | | | | | | 226 |
| 129 | | 5 | $B_1$ | 0 | 0 | | | | | | | | | | | | | 227 |
| 130 | | 10 | $B_1$ | 0 | 0 | | | | | 240 | | | | | | | | |
| R2B131 | QV101 | A | 0 | 0 | 0 | 0 | -5 | 0 | 8 | | | 235 | | 231 | | 228 | | |
| 132 | | A | 4 | 0 | 0 | | | | | | | 236 | | 232 | | 229 | | |
| 133 | | 5 | $B_1$ | 0 | 0 | | | | | | | 237 | | 233 | | 230 | | |
| 134 | | 5 | $B_2$ | 0 | 0 | | | | | | | | | 234 | | | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST: 200-1-11 LA77

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δa | δe | δsB | δR | δBf | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B 135 | QV101 | A | 0 | 0 | 0 | 55 | -5 | 0 | 7 | 253 | | | | | | | | 241 |
| 136 | | A | 4 | 0 | 0 | ↓ | ↓ | ↓ | ↓ | 254 | | | | | | | | 242 |
| 137 | ↓ | 10 | B1 | 0 | 0 | ↓ | ↓ | ↓ | ↓ | 255 | | | | | | | | 243 |
| R2B 138 | QV101 | A | 0 | 0 | 0 | 55 | -5 | 0 | 8 | | | 250 | | 247 | | 244 | | |
| 139 | | A | 4 | 0 | 0 | ↓ | ↓ | ↓ | ↓ | | | 251 | | 248 | | 245 | | |
| 140 | ↓ | 5 | B1 | 0 | 0 | ↓ | ↓ | ↓ | ↓ | | | 252 | | 249 | | 246 | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST: 200-1-11 LA77

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δa | δe | δsB | δR | δBF | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.15 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B 141 | OV101 | A | 0 | 0 | 0 | 25 | 0 | -11.7 | 7 | 284 | | | | | | | | 256 |
| 142 | | A | 0 | 0 | -10 | | | | | 287 | | | | | | | | 257 |
| 143 | | A | 4 | 0 | 0 | | | | | 285 | | | | | | | | |
| 144 | | 10 | B1 | 0 | 0 | | | | | 286 | | | | | | | | 259 |
| R2B 145 | OV101 | A | 0 | 0 | 0 | 25 | 0 | -11.7 | 8 | | | 281 | | 270 | | 260 | | |
| 146 | | A | 0 | 0 | -10 | | | | | | | 280 | | 271 | | 261 | | |
| 147 | | A | 0 | 5 | -10 | | | | | | | | | 272 | | 262 | | |
| 148 | | A | 0 | 0 | 10 | | | | | | | | | 277 | | 267 | | |
| 149 | | A | 4 | 0 | 10 | | | | | | | | | 276 | | 266 | | |
| 150 | | A | 4 | 0 | 0 | | | | | | | 282 | | 275 | | 265 | | |
| 151 | | A | 4 | 0 | -10 | | | | | | | | | 274 | | 264 | | |
| 152 | | A | 4 | 5 | -10 | | | | | | | | | 273 | | 263 | | |
| 153 | | 5 | B1 | 0 | -10 | | | | | | | | | 279 | | 269 | | |
| 154 | | 5 | B1 | 0 | 0 | | | | | | | 283 | | 278 | | 268 | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST :

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δa | δe | δSB | δR | δBF | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B 155 | DV101 | A | 0 | 0 | 0 | 25 | 0 | 16.3 | 7 | 311 | | | | | | | | 289 |
| 156 | | A | 0 | 0 | -10 | | | | | 314 | | | | | | | | 288 |
| 157 | | A | 4 | 0 | 0 | | | | | 315 | | | | | | | | 290 |
| 158 | | 10 | B1 | 0 | 0 | | | | | 313 | | | | | | | | 291 |
| 159 | | A | 0 | 0 | 10 | | | | | 316 | | | | | | | | |
| 160 | | A | 4 | 0 | -10 | | | | | 312 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| R2B 161 | DV101 | A | 0 | 0 | 0 | 25 | 0 | 16.3 | 8 | | | 306 | | 299 | | 292 | | |
| 162 | | A | 0 | 0 | -10 | | | | | | | 309 | | 300 | | 293 | | |
| 163 | | A | 0 | 5 | -10 | | | | | | | | | 301 | | 294 | | |
| 164 | | A | 0 | 0 | 10 | | | | | | | 310 | | 302 | | 295 | | |
| 165 | | A | 4 | 0 | 10 | | | | | | | | | 303 | | 296 | | |
| 166 | | A | 4 | 0 | 0 | | | | | | | 307 | | 304 | | 297 | | |
| 167 | | 5 | B1 | 0 | 0 | | | | | | | 308 | | 305 | | 298 | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST :

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES Sa | Se | Ssb | Sf | Spr | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B168 | QV101 | A | 0 | 0 | 0 | 15 | 0 | 0 | 7 | 347 | | | | | | | | 335 |
| 169 | | A | 4 | 0 | 0 | | | | | 350 | | | | | | | | 336 |
| 170 | | 10 | B1 | 0 | 0 | | | | | 351 | | | | | | | | 337 |
| | | | | | | | | | | | | | | | | | | |
| 171 | QV101 | A | 0 | 0 | 0 | 15 | 0 | 0 | 8 | | | 346 | | 341 | | 338 | | |
| 172 | | A | 4 | 0 | 0 | | | | | | | 347 | | 342 | | 339 | | |
| 173 | | 5 | B1 | 0 | 0 | | | | | | | 348 | | 343 | | 340 | | |
| 174 | | 15 | B1 | 0 | 0 | | | | | | | | | 344 | | | | |
| 175 | | 15 | B2 | 0 | 0 | | | | | | | | | 345 | | | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

TEST :

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δa | δe | δSB | δR | δBF | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B176 | DV101 | A | 0 | 0 | 0 | 40 | 0 | 0 | 7 | 366 | | | | | | | | 352 |
| 177 | | A | 4 | 0 | 0 | | | | | 367 | | | | | | | | 353 |
| 178 | | 10 | B1 | 0 | 0 | | | | | 368 | | | | | | | | 354 |
| R2B179 | DV101 | A | 0 | 0 | 0 | 40 | 0 | 0 | 8 | | | 363 | | 358 | | 355 | | |
| 180 | | A | 4 | 0 | 0 | | | | | | | 364 | | 359 | | 356 | | |
| 181 | | 5 | B1 | 0 | 0 | | | | | | | 365 | | 360 | | 357 | | |
| 182 | | 15 | B1 | 0 | 0 | | | | | | | | | 361 | | | | |
| 183 | | 15 | B2 | 0 | 0 | | | | | | | | | 362 | | | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST :

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δa | δe | δsB | δR | δBr | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B184 | DV101 | A | 0 | 0 | 0 | 70 | 0 | 0 | 7 | 383 | | | | | | | | 369 |
| 185 | | A | 4 | 0 | 0 | | | | | 384 | | | | | | | | 370 |
| 186 | | 10 | B1 | 0 | 0 | | | | | 385 | | | | | | | | 371 |
| | | | | | | | | | | | | | | | | | | |
| R2B187 | DV19 | A | 0 | 0 | 0 | 70 | 0 | 0 | 8 | | | 380 | | 375 | | 372 | | |
| 188 | | A | 4 | 0 | 0 | | | | | | | 381 | | 376 | | 373 | | |
| 189 | | 5 | B1 | 0 | 0 | | | | | | | 382 | | 377 | | 374 | | |
| 190 | | 15 | B1 | 0 | 0 | | | | | | | | | 378 | | | | |
| 191 | | 15 | B2 | 0 | 0 | | | | | | | | | 379 | | | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST :

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δa | δe | δsB | δR | δBf | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R28192 | DV101 | A | 0 | 0 | 0 | 25 | 0 | 22 | 7 | 400 | | | | | | | | 386 |
| 193 | | A | 4 | 0 | 0 | | | | | 401 | | | | | | | | 387 |
| 194 | | 10 | B1 | 0 | 0 | | | | | 402 | | | | | | | | 388 |
| | | | | | | | | | | | | | | | | | | |
| R2B195 | DV101 | A | 0 | 0 | 0 | 25 | 0 | 22 | 8 | | | 397 | | 392 | | 389 | | |
| 196 | | A | 4 | 0 | 0 | | | | | | | 398 | | 393 | | 390 | | |
| 197 | | 5 | B1 | 0 | 0 | | | | | | | 399 | | 394 | | 391 | | |
| 198 | | 15 | B1 | 0 | 0 | | | | | | | | | 395 | | | | |
| 199 | | 15 | B2 | 0 | 0 | | | | | | | | | 396 | | | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST :

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δa | δe | δsp | δr | δBA | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.98 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B200 | DV101 | A | 0 | 0 | 0 | 25 | 0 | 6 | 7 | 417 | | | | | | | | | |
| 201 | | A | 4 | 0 | 0 | | | | | 418 | | | | | | | | 403 | |
| 202 | | 10 | B1 | 0 | 0 | | | | | 419 | | | | | | | | 404 | |
| | | | | | | | | | | | | | | | | | | 405 | |
| R2B203 | DV101 | A | 0 | 0 | 0 | 25 | 0 | 6 | 8 | | | 416 | | 409 | | 407 | | | |
| 204 | | A | 4 | 0 | 0 | | | | | | | 415 | | 410 | | 408 | | | |
| 205 | | 5 | B1 | 0 | 0 | | | | | | | 414 | | 411 | | 406 | | | |
| 206 | | 15 | B1 | 0 | 0 | | | | | | | | | 412 | | | | | |
| 207 | | 15 | B2 | 0 | 0 | | | | | | | | | 413 | | | | | |

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST :

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES Sa | Se | SSB | SR | SEE | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B208 | ØV101 | A | 0 | 0 | 0 | 25 | 0 | -6 | 7 | 434 | | | | | | | | 420 |
| 209 | | A | 4 | 0 | 0 | | | | | 435 | | | | | | | | 421 |
| 210 | | 10 | B1 | 0 | 0 | | | | | 436 | | | | | | | | 422 |
| R2B211 | ØV101 | A | 0 | 0 | 0 | 25 | 0 | -6 | 8 | | | 431 | | 426 | | 423 | | |
| 212 | | A | 4 | 0 | 0 | | | | | | | 432 | | 427 | | 424 | | |
| 213 | | 5 | B1 | 0 | 0 | | | | | | | 433 | | 428 | | 425 | | |
| 214 | | 15 | B1 | 0 | 0 | | | | | | | | | 429 | | | | |
| 215 | | 15 | B2 | 0 | 0 | | | | | | | | | 430 | | | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST :

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES Sa | Se | $S_{SB}$ | $S_R$ | $S_{BT}$ | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B216 | ΦV101 8 | A | 0 | 0 | 0 | 25 | -3 | 0 | 7 | 451 | | | | | | | | 437 |
| 17 | | A | 4 | 0 | 0 | | | | | 453 | | | | | | | | 438 |
| 18 | | 10 | $B_1$ | 0 | 0 | | | | | 452 | | | | | | | | 439 |
| | | | | | | | | | | | | | | | | | | |
| R2B219 | ΦV101 8 | A | 0 | 0 | 0 | 25 | -3 | 0 | 8 | | | 448 | | 443 | | 440 | | |
| 20 | | A | 4 | 0 | 0 | | | | | | | 449 | | 444 | | 441 | | |
| 21 | | 5 | $B_1$ | 0 | 0 | | | | | | | 450 | | 445 | | 442 | | |
| 22 | | 15 | $B_1$ | 0 | 0 | | | | | | | | | 446 | | | | |
| 23 | | 15 | $B_2$ | 0 | 0 | | | | | | | | | 447 | | | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

TEST :

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δa | δe | δeB | δR | δBF | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B224 | ϕV101 | A | 0 | 0 | 0 | 0 | -3 | 0 | 7 | 468 | | | | | | | | 454 |
| 25 | | A | 4 | 0 | 0 | | | | | 469 | | | | | | | | 455 |
| 26 | | 10 | B1 | 0 | 0 | | | | | 470 | | | | | | | | 456 |
| | | | | | | | | | | | | | | | | | | |
| R2B227 | ϕV101 | A | 0 | 0 | 0 | 0 | -3 | 0 | 8 | | | 465 | | 460 | | 459 | | |
| 28 | | A | 4 | 0 | 0 | | | | | | | 466 | | 461 | | 458 | | |
| 29 | | 5 | B1 | 0 | 0 | | | | | | | 467 | | 462 | | 457 | | |
| 30 | | 15 | B1 | 0 | 0 | | | | | | | | | 463 | | | | |
| 31 | | 15 | B2 | 0 | 0 | | | | | | | | | 464 | | | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST :

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES Sa | Se | δSB | SR | SBF | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B232 | ØV101 | A | 0 | 0 | 0 | 25 | -15 | 0 | 7 | 485 | | | | | | | | 471 |
| 33 | ↓ | A | 4 | 0 | 0 | | | | | 486 | | | | | | | | 472 |
| ↓ 34 | ↓ | 10 | B1 | 0 | 0 | | | | | 487 | | | | | | | | 473 |
| | | | | | | | | | | | | | | | | | | |
| R2B235 | ØV101 | A | 0 | 0 | 0 | 25 | -15 | 0 | 8 | | | 482 | | 477 | | 476 | | |
| 36 | ↓ | A | 4 | 0 | 0 | | | | | | | 483 | | 478 | | 475 | | |
| 37 | | 5 | B1 | 0 | 0 | | | | | | | 484 | | 479 | | 474 | | |
| 38 | | 15 | B1 | 0 | 0 | | | | | | | | | 480 | | | | |
| ↓ 39 | ↓ | 15 | B2 | 0 | 0 | | | | | | | | | 481 | | | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST :

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | δa | δe | δSB | δR | δBF | RN | 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B240 | ΦV101 | A | 0 | 0 | 0 | 25 | -22 | 0 | 7 | 502 | | | | | | | | 488 |
| 41 | | A | 4 | 0 | 0 | | | | | 503 | | | | | | | | 489 |
| 42 | | 10 | B1 | 0 | 0 | | | | | 504 | | | | | | | | 490 |
| | | | | | | | | | | | | | | | | | | |
| R2B243 | ΦV101 | A | 0 | 0 | 0 | 25 | -22 | 0 | 8 | | | 499 | | 494 | | 491 | | |
| 44 | | A | 4 | 0 | 0 | | | | | | | 500 | | 495 | | 492 | | |
| 45 | | 5 | B1 | 0 | 0 | | | | | | | 501 | | 496 | | 493 | | |
| 46 | | 15 | B1 | 0 | 0 | | | | | | | | | 497 | | | | |
| 47 | | 15 | Ba | 0 | 0 | | | | | | | | | 498 | | | | |

MACH NUMBERS

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TEST :

# DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 24 JULY 1976

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δa | δe | δSB | δR | δBF | RN | MACH NUMBERS 0.6 | 0.8 | 0.9 | 0.92 | 0.95 | 0.98 | 1.05 | 1.12 | 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R2B248 | ΦV101 OMS OFF | A | 0 | 0 | 0 | 25 | -22 | 0 | 7 | 519 | | | | | | | | |
| 49 | | A | 4 | 0 | 0 | | | | | 520 | | | | | | | | 505 |
| 50 | | 10 | B1 | 0 | 0 | | | | | 521 | | | | | | | | 506 |
| | | | | | | | | | | | | | | | | | | 507 |
| R2B251 | ΦV101 OMS OFF | A | 0 | 0 | 0 | 25 | -22 | 0 | 8 | | | 516 | | 511 | | 508 | | |
| 52 | | A | 4 | 0 | 0 | | | | | | | 517 | | 512 | | 509 | | |
| 53 | | 5 | B1 | 0 | 0 | | | | | | | 518 | | 513 | | 510 | | |
| 54 | | 15 | B1 | 0 | 0 | | | | | | | | | 514 | | | | |
| 55 | | 15 | B2 | 0 | 0 | | | | | | | | | 515 | | | | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

TABLE III.

MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY $B_{26}$

GENERAL DESCRIPTION : Configuration 140A/B Orbiter Fuselage

NOTE: $B_{26}$ is identical to $B_{24}$ except underside of fuselage has been refaired to accept W

MODEL SCALE: 0.015 MODEL DRAWING: SS-A00147, RELEASE 12

DRAWING NUMBER : VL70-000143B, -000200, 000205, -006089, -000145, -000140A, 000140B

DIMENSIONS :

| | FULL SCALE | MODEL SCALE |
|---|---|---|
| * Length (OML: Fwd Sta. $X_o$=235)-In. | 1293.3 | 19.400 |
| * Length(IML: Fwd Sta. $X_o$=238)-In. | 1290.3 | 19.355 |
| * Max Width (@ X = 1528.3) - In. | 264.0 | 3.960 |
| Max Depth (@ $X_o$= 1464) - In. | 250.0 | 3.750 |
| Fineness Ratio | | |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.077 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III—Continued

MODEL DIMENSIONAL DATA

MODEL COMPONENT: CANOPY - $C_9$

GENERAL DESCRIPTION: Configuration 3A, Canopy used with Fuselage $B_{26}$.

MODEL SCALE: 0.015 MODEL DRAWING: SS-A00147 , RELEASE 12

DRAWING NUMBER: VL70-000143A/B

| DIMENSIONS: | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length ($X_o$ = 434.643 to 587) | 143.357 | 2.150 |
| Max Width (@ $X_o$ = 513.127) | 152.412 | 2.286 |
| Max Depth (@ $X_o$ = 485.0) | 25.000 | 0.375 |
| Fineness Ratio | | |
| Area | | |
| Max. Cross-Sectional | | |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III—Continued

MODEL DIMENSIONAL DATA

MODEL COMPONENT: SLOTTED ELEVON (6-inch GAP) - $E_{43}$

GENERAL DESCRIPTION: Configuration 140A/B Orbiter elevon.

NOTE: $E_{43}$ is a slotted version of $E_{26}$. Data are for one side.

MODEL SCALE: 0.015 MODEL DRAWING: SS-A00148

DRAWING NUMBER: VL70-000200, VL70-006089, VL006092

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Area - $Ft^2$ | 210.0 | 0.0473 |
| Span (equivalent) - In. | 349.2 | 5.238 |
| Inb'd equivalent chord - In. | 118.004 | 1.770 |
| Outb'd equivalent chord/ total surface chord | 55.192 | 0.828 |
| Ratio movable surface chord/ total surface chord | | |
| At Inb'd equiv. chord | 0.2096 | 0.2096 |
| At Outb'd equiv. chord | 0.4004 | 0.4004 |
| Sweep Back Angles, degrees | | |
| Leading Edge | 0.00 | 0.00 |
| Trailing Edge | -10.056 | -10.056 |
| Hingeline | 0.00 | 0.00 |
| Area Moment (Normal to hinge line) | 1587.25 | 0.00536 |
| Mean Aerodynamic Chord ($\bar{c}$), in. | 90.7 | 1.3605 |

TABLE III-Continued
MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY FLAP -F8

GENERAL DESCRIPTION : Configuration 140A/B Orbiter Body Flap.

Hingeline located at $X_o$ = 1528.3, $Z_o$ = 284.3

MODEL SCALE: 0.015 MODEL DRAWING: SS-A00147, RELEASE 12

DRAWING NUMBER : VL-000140A, VL70-000145

DIMENSIONS :

| | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length ($X_0$ = 1520 To $X_o$ = 1613) | 93.000 | 1.395 |
| Max Width (In.) | 262.00 | 3.930 |
| Max Depth ($X_o$ = 1520) - In. | 23.000 | 0.345 |
| Fineness Ratio | | |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | | |
| Planform | 150.525 | 0.0339 |
| Wetted | | |
| Base | 41.84722 | 0.00941 |

TABLE III-Continued

MODEL DIMENSIONAL DATA

MODEL COMPONENT : OMS Pod ($M_{16}$)

GENERAL DESCRIPTION : Configuration 140D Orbiter OMS Pod

MODEL SCALE: 0.015 MODEL DRAWING NO: SS-A00147

DRAWING NUMBER : VL70-000140D
VL70-0084010

DIMENSIONS :

| | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (OMS Fwd Sta $X_o$=1310.5)-In. | 258.5 | 3.878 |
| Max Width (@ $X_o$ = 1511) - In. | 136.8 | 2.052 |
| Max Depth (@ $X_o$ = 1511) - In. | 74.7 | 1.121 |
| Fineness Ratio | 2.484 | 2.484 |
| Area - Ft.$^2$ | | |
| Max. Cross-Sectional | 58.864 | 0.0132 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III - MODEL DIMENSIONAL DATA-Continued

MODEL COMPONENT: OMS NOZZLES - N28

GENERAL DESCRIPTION: Configuration 140A/B Orbiter OMS Nozzles

MODEL SCALE: 0.015 MODEL DRAWING: SS-000147 RELEASE 5 (Contour)

DRAWING NUMBER: VL70-000145, (location)

DIMENSIONS:

| | FULL SCALE | MODEL SCALE |
|---|---|---|
| MACH NUMBER | | |
| Length- In. | | |
| Gimbal Point to Exit Plane | | |
| Throat to Exit Plane | | |
| Diameter - In. | | |
| Exit | | |
| Throat | | |
| Inlet | | |
| Area - $ft^2$ | | |
| Exit | | |
| Throat | | |
| Gimbal Point (Station) - In. | | |
| Left Nozzle | | |
| $X_o$ | 1518.0 | 22.770 |
| $Y_o$ | -88.0 | -1.320 |
| $Z_o$ | 490.2 | 7.380 |
| Right Nozzle | | |
| X | 1518.0 | 22.770 |
| Y | +88.0 | +1.320 |
| Z | 492.0 | 7.380 |
| Null Position - Deg. | | |
| Left Nozzle | | |
| Pitch | 15°49' | 15°49' |
| Yaw | 12°17' | 12°17' |
| Right Nozzle | | |
| Pitch | 15°49' | 15°49' |
| Yaw | 12°17' | 12°17' |

TABLE III—Continued

MODEL DIMENSIONAL DATA

MODEL COMPONENT RUDDER - $R_5$

GENERAL DESCRIPTION 2A, 3, 3A, and 140A/B Configurations

MODEL SCALE: 0.015 MODEL DRAWING: SS-A00148

DRAWING NUMBER VL70-000146A, VL70-000095, V170-000139

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| *Area $Ft^2$ | 100.15 | 0.0225 |
| Span (equivalent) - In. | 201.0 | 3.015 |
| Inb'd equivalent chord - In. | 91.585 | 1.3738 |
| Outb'd equivalent chord - In. | 50.833 | 0.7625 |
| Ratio movable surface chord/ total surface chord | | |
| At Inb'd equiv. chord | 0.400 | 0.400 |
| At Outb'd equiv. chord | 0.400 | 0.400 |
| Sweep Back Angles, degrees | | |
| Leading Edge | 34.83 | 34.83 |
| Trailing Edge | 26.25 | 26.25 |
| Hingeline | 34.83 | 34.83 |
| Area Moment (Normal to hinge line) | 610.92 | 0.002 |
| Mean Aerodynamic Chord, - In. | 73.2 | 1.098 |

TABLE III (Continued)

MODEL DIMENSIONAL DATA - Continued

MODEL COMPONENT: VERTICAL - V8

GENERAL DESCRIPTION: Configuration 140A/B Orbiter Vertical Tail

MODEL SCALE: 0.015

DRAWING NUMBER: SS-A00148, RELEASE 6

DRAWING NUMBER: VL70-000146A

DIMENSIONS:

| | FULL SCALE | MODEL SCALE |
|---|---|---|
| TOTAL DATA | | |
| Area (Theo) - $Ft^2$ Planform | 413.253 | 0.093 |
| Span (Theo) - In. | 315.720 | 4.736 |
| Aspect Ratio | 1.675 | 1.675 |
| Rate of Taper | 0.507 | 0.507 |
| Taper Ratio | 0.404 | 0.404 |
| Sweep-Back Angles, Degrees. | | |
| Leading Edge | 45.000 | 45.000 |
| *Trailing Edge | 26.2 | 26.2 |
| 0.25 Element Line | 41.130 | 41.130 |
| Chords: | | |
| Root (Theo) WP | 268.500 | 4.028 |
| Tip (Theo) WP | 108.470 | 1.627 |
| MAC | 199.808 | 2.997 |
| Fus. Sta. of .25 MAC | 1463.50 | 21.953 |
| W.P. of .25 MAC | 635.522 | 9.533 |
| B.L. of .25 MAC | 0.00 | 0.00 |
| Airfoil Section | | |
| Leading Wedge Angle - Deg. | 10.00 | 10.00 |
| Trailing Wedge Angle - Deg. | 14.920 | 14.920 |
| Leading Edge Radius | 2.00 | 0.030 |
| Void Area | 13.17 | 0.030 |
| Blanketed Area | 0.00 | 0.00 |

TABLE III (Concluded)

MODEL COMPONENT: WING-W

GENERAL DESCRIPTION: Configuration 4

NOTE: Identical to $W_{114}$ except airfoil thickness.

Dihedral angle is along trailing edge of wing.

MODEL SCALE: 0.015 MODEL DRAWING: SS-A00148

DRAWING NUMBER: VL70-000140A -000200

| DIMENSIONS: | FULL-SCALE | MODEL SCALE |
|---|---|---|
| TOTAL DATA | | |
| Area (Theo) $Ft^2$ | | |
| Planform | 2690.00 | 0.605 |
| Wetted | | |
| Span (equivalent) (Theo) In. | 936.68 | 14.050 |
| Aspect Ratio | 2.265 | 2.265 |
| Rate of Taper | 1.177 | 1.177 |
| Taper Ratio | 0.200 | 0.200 |
| Dihedral Angle, degrees | 3.500 | 3.500 |
| Incidence Angle, degrees | 0.500 | 0.500 |
| Aerodynamic Twist, degrees | +3.000 | +3.000 |
| Toe-In Angle | | |
| Cant Angle | | |
| Sweep Back Angles, degrees | | |
| Leading Edge | 45.000 | 45.000 |
| Trailing Edge | -10.056 | -10.056 |
| 0.25 Element Line | 35.209 | 35.209 |
| Chords: | | |
| Root (Wing Sta. 0.0) (Theo) B.P.0.0. | 689.24 | 10.339 |
| Tip, (equivalent) (Theo) B.P. | 137.85 | 2.068 |
| MAC | 474.81 | 7.122 |
| Fus. Sta. of .25 MAC | 1136.83 | 17.052 |
| W.P. of .25 MAC | 290.58 | 4.359 |
| B.L. of .25 MAC | 182.13 | 2.732 |
| Airfoil Section | | |
| Root | | |
| Tip | | |
| EXPOSED DATA | | |
| Area $Ft^2$ | 1751.50 | 0.394 |
| Span, (equivalent) (Theo) In. BP103 | 720.68 | 10.810 |
| Aspect Ratio | 2.059 | 2.059 |
| Taper Ratio | 0.245 | 0.245 |
| Chords | | |
| Root BP108 | 562.09 | 8.431 |
| Tip 1.00 $\frac{b}{2}$ | 137.85 | 2.068 |
| MAC | 392.83 | 5.892 |
| Fus. Sta. of .25 MAC | 1185.98 | 17.790 |
| W.P. of .25 MAC | 294.30 | 4.415 |
| B.L. of .25 MAC | 251.77 | 3.777 |

**Notes:**

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

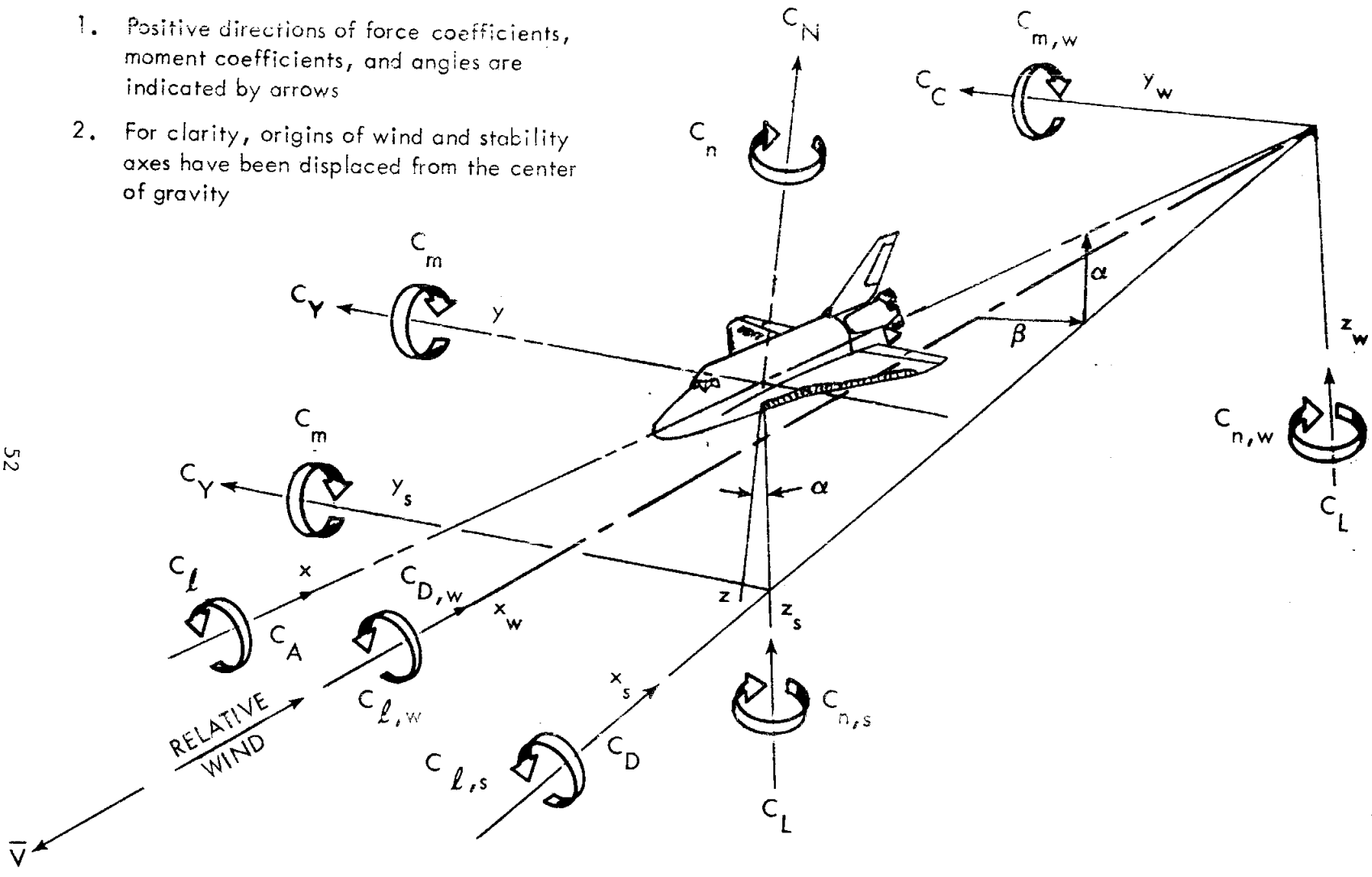
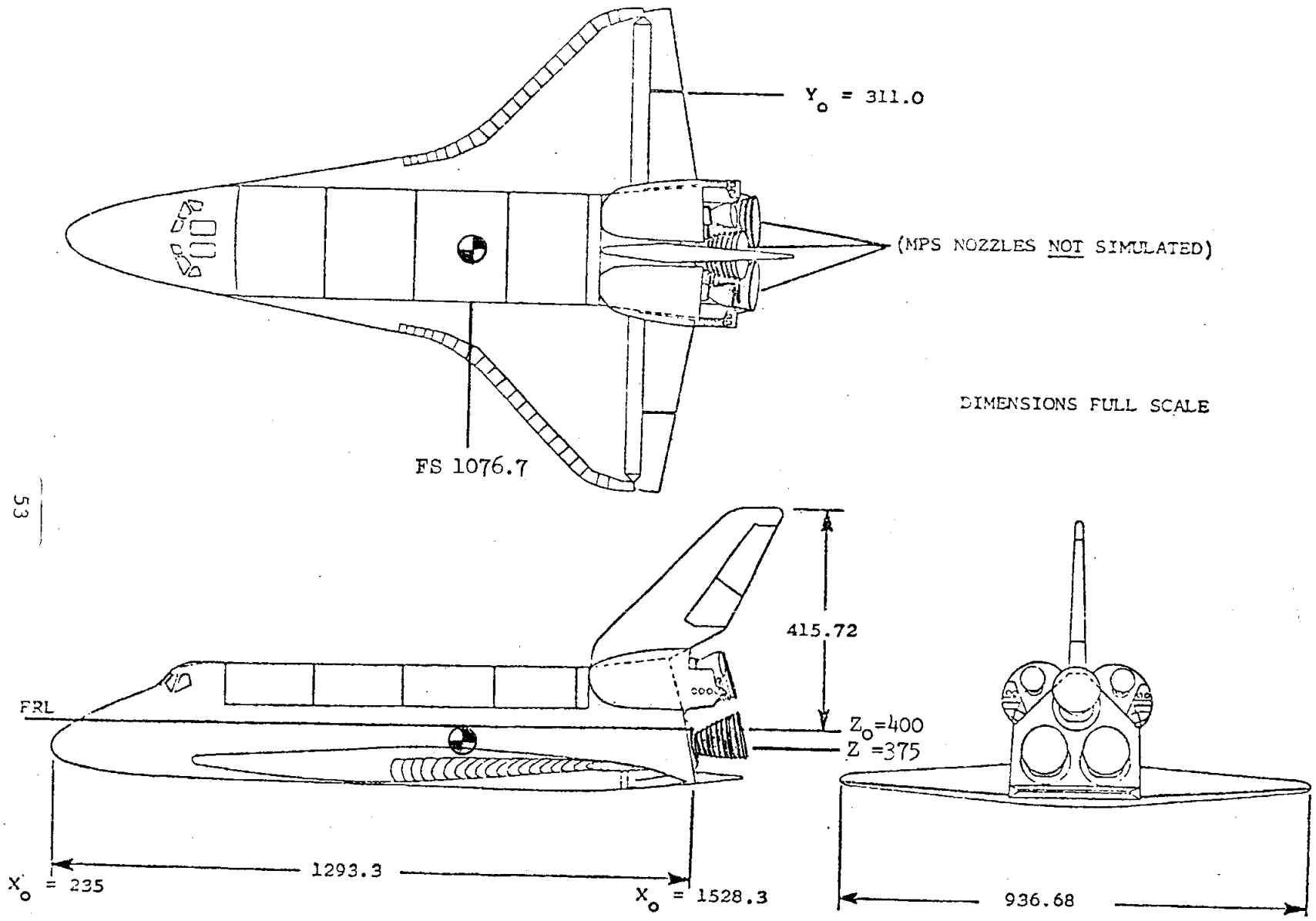
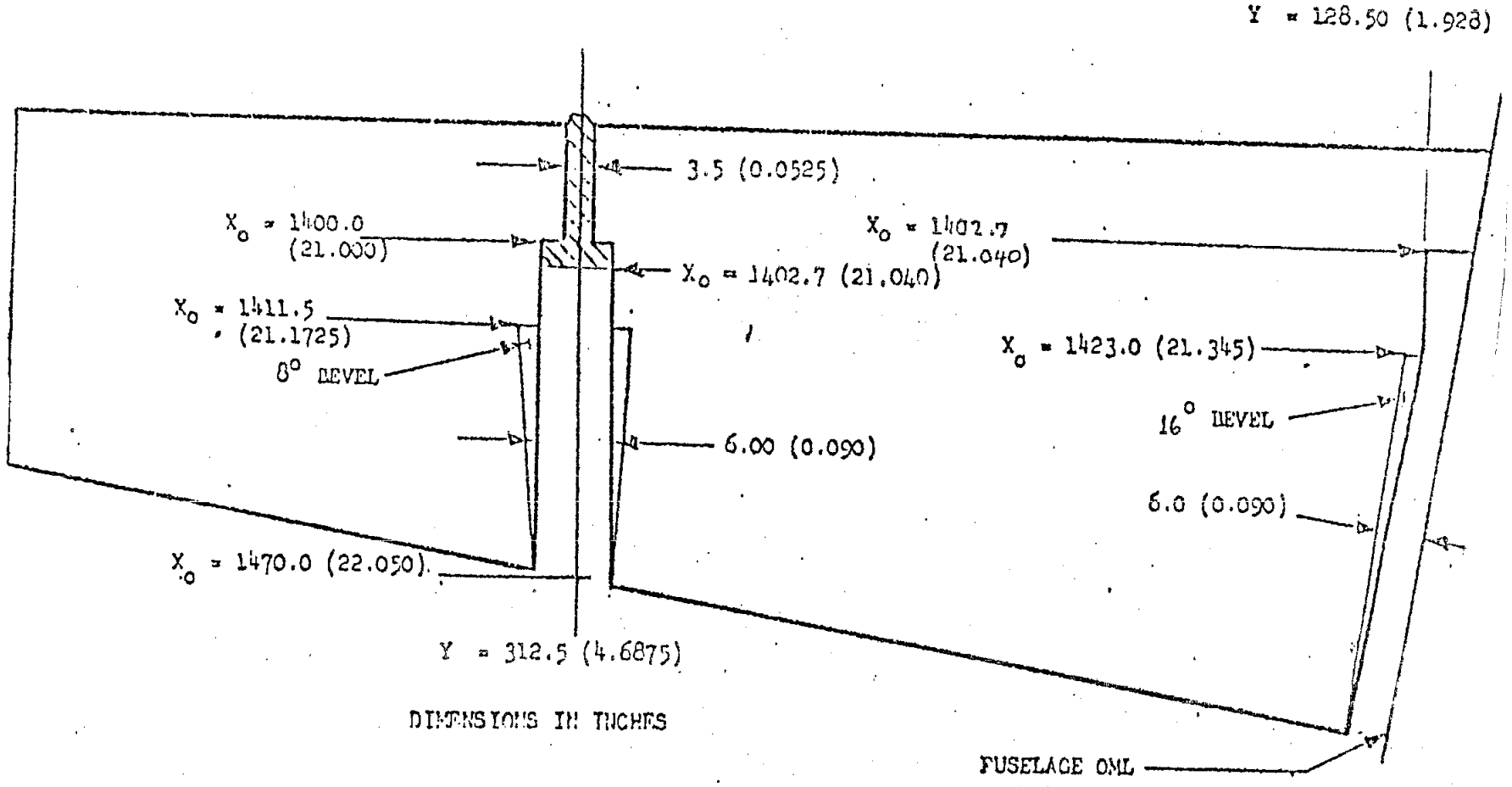



Figure 1. - Axis Systems.



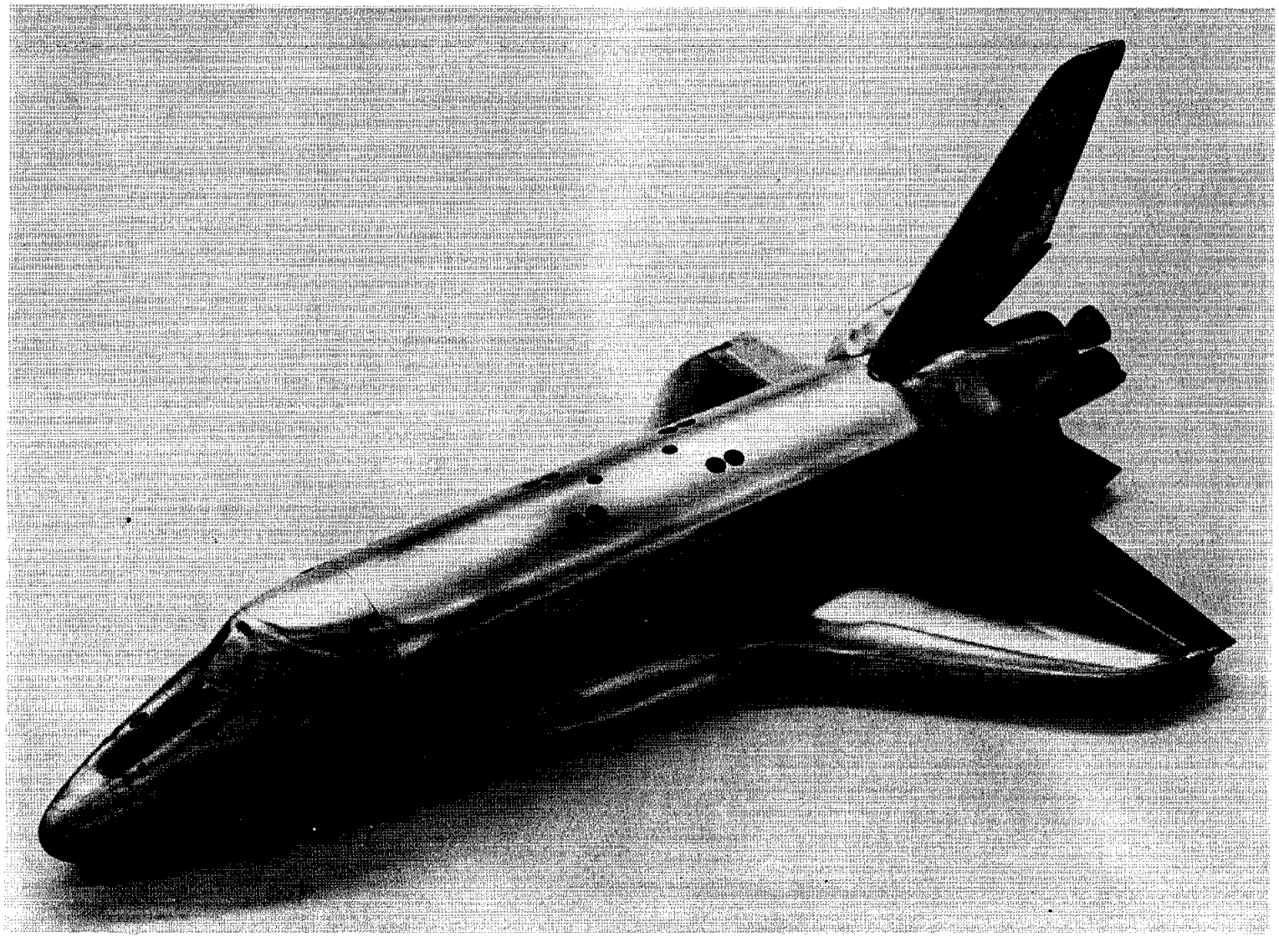

(a) SSV Orbiter Configuration

Figure 2. - Model sketches.

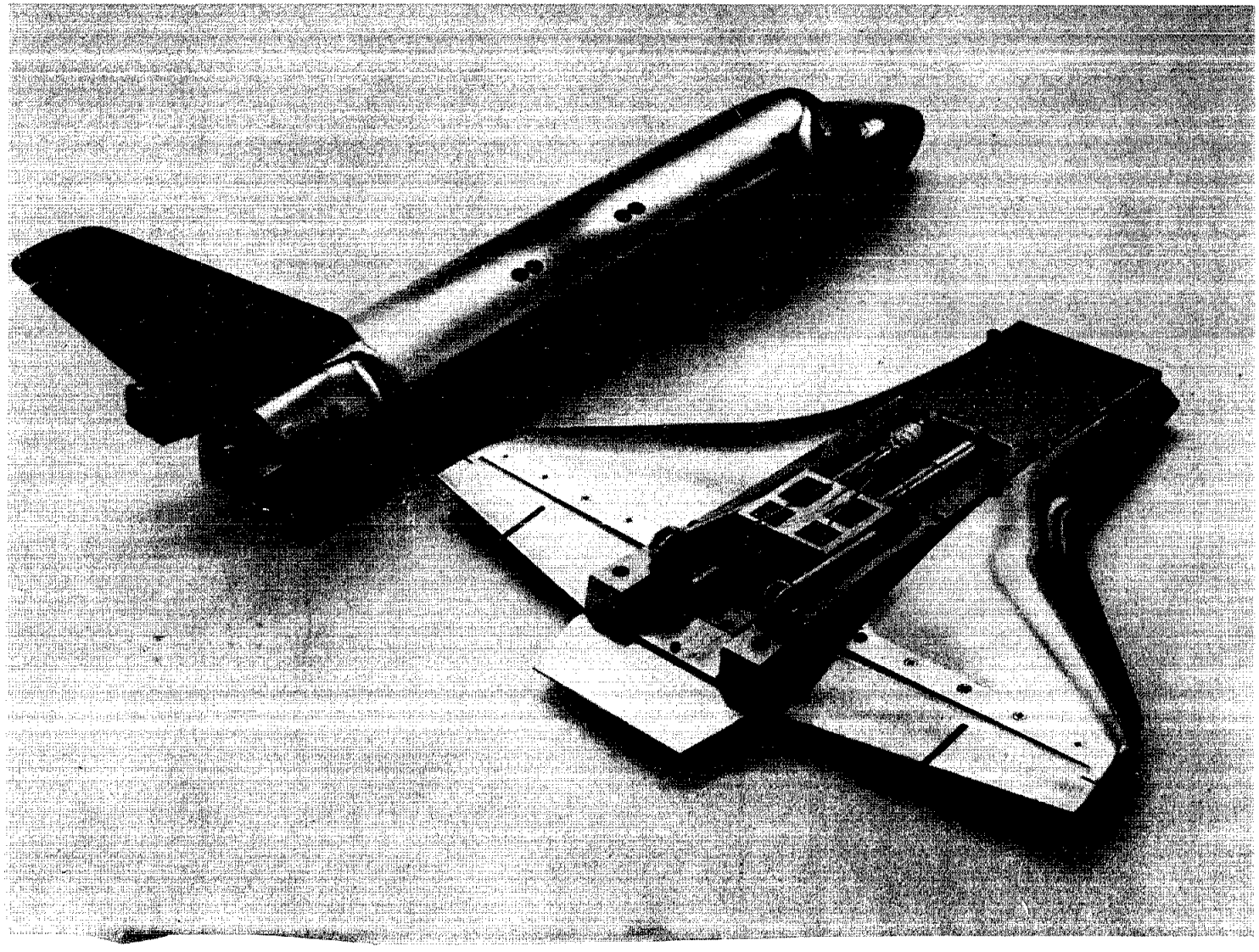



(b) Slotted Elevon $E_{43}$ (6-inch gap)

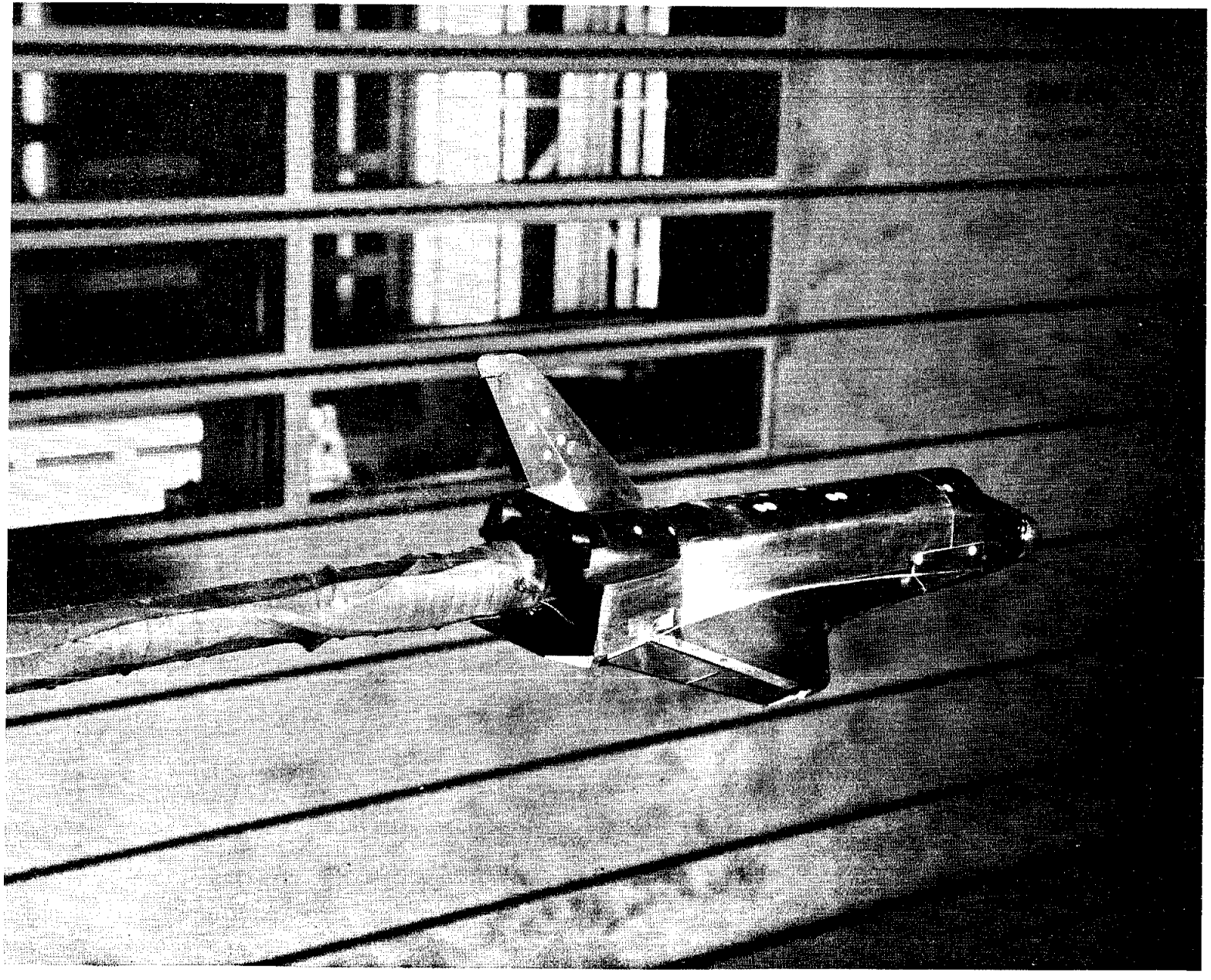
Figure 2. - Continued.



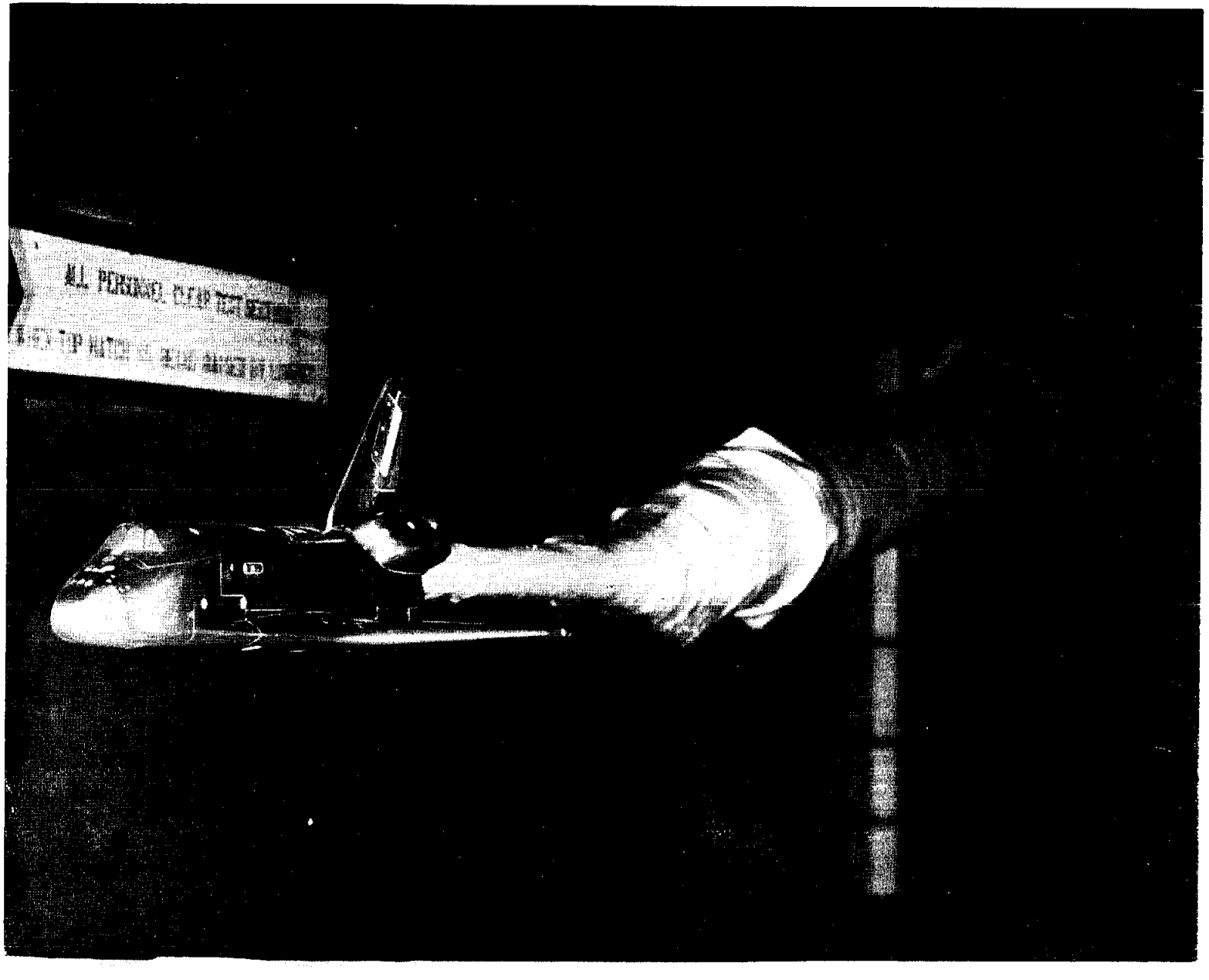
(a) Orbiter Configuration, Front, 3/4 View
Figure 3. Model Photographs



(b) Orbiter Configuration, Rear, 3/4 View
Figure 3. Concluded.



c. Model Installation Photograph. Rear 3/4 View
Figure 3. - Continued



d. Model installation Photograph, Front 3/4 View
Figure 3. - Concluded

# APPENDIX

## TABULATED SOURCE DATA

Tabulations of plotted data are available on request from Data Management Services.

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ARC 200-1 11(L477) OV101 (R28001) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 45/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -1.970 | -.14540 | .07980 | -.14260 | .08470 | .03870 | .00320 | .00020 | -.00100 | .02000 | -.01000 |
| .900 | .010 | -.03100 | .07950 | -.03100 | .07950 | .03160 | .00330 | .00010 | -.00100 | .02000 | -.01000 |
| .899 | 2.060 | .08660 | .07980 | .08390 | .08290 | .02450 | .00280 | -.00030 | -.00100 | .04000 | -.02000 |
| .901 | 3.010 | .13850 | .07830 | .13420 | .08550 | .02250 | .00260 | -.00050 | -.00120 | .02000 | .01000 |
| .901 | 4.060 | .19040 | .07840 | .18430 | .09160 | .02200 | .00330 | -.00130 | -.00130 | .01000 | .02000 |
| .900 | 5.060 | .23240 | .07670 | .22470 | .09690 | .02490 | .00250 | -.00160 | -.00130 | .04000 | .01000 |
| .900 | 6.000 | .27920 | .07630 | .26970 | .10510 | .02420 | .00210 | -.00160 | -.00130 | .05000 | .01000 |
| .900 | 7.070 | .33400 | .07530 | .32220 | .11580 | .02220 | .00180 | -.00180 | -.00110 | .02000 | .03000 |
| .901 | 8.030 | .37920 | .07340 | .36520 | .12570 | .02180 | .00070 | -.00130 | -.00080 | .02000 | .02000 |
| .899 | 9.000 | .42490 | .07230 | .40830 | .13790 | .02280 | .00040 | -.00210 | -.00080 | .02000 | .02000 |
| .900 | 10.050 | .48370 | .07190 | .46380 | .15510 | .01880 | -.00080 | -.00130 | -.00070 | .03000 | .01000 |
| .899 | 12.040 | .58920 | .07070 | .56150 | .19200 | .01220 | -.00060 | .00120 | -.00150 | .02000 | -.01000 |
| .899 | 13.980 | .68160 | .07250 | .64390 | .23510 | .00650 | -.00120 | .00120 | -.00170 | .02000 | .02000 |
| .898 | 16.040 | .79050 | .07550 | .73890 | .29100 | -.00200 | -.00220 | .00130 | -.00220 | .02000 | -.01000 |
| .899 | 18.060 | .88970 | .07600 | .82230 | .34810 | -.00590 | -.00080 | .00070 | -.00300 | .00000 | .00000 |
| .900 | 19.980 | .99460 | .07780 | .90810 | .41290 | -.00280 | -.00220 | .00230 | -.00330 | .00000 | .00000 |
| | GRADIENT | .05609 | -.00024 | .05463 | .00110 | -.00291 | -.00005 | -.00022 | -.00005 | -.00059 | .00445 |

RUN NO. 54/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.890 | -.16120 | .10380 | -.15770 | .10910 | .05800 | .00320 | .00020 | -.00130 | .00000 | -.01000 |
| .948 | .160 | -.03160 | .10260 | -.03180 | .10250 | .04110 | .00360 | .00000 | -.00140 | .01000 | -.02000 |
| .950 | 2.120 | .08990 | .10270 | .08610 | .10600 | .02640 | .00320 | -.00020 | -.00140 | .01000 | -.02000 |
| .949 | 3.150 | .15510 | .10090 | .14930 | .10930 | .01790 | .00270 | -.00040 | -.00140 | .01000 | -.01000 |
| .948 | 4.130 | .21620 | .10030 | .20840 | .11560 | .01020 | .00290 | -.00040 | -.00130 | .00000 | .00000 |
| .949 | 5.100 | .27530 | .09840 | .26550 | .12250 | .00310 | .00270 | -.00070 | -.00120 | -.01000 | .01000 |
| .950 | 6.040 | .33400 | .09750 | .32180 | .13210 | -.00460 | .00290 | -.00110 | -.00100 | .01000 | -.01000 |
| .950 | 7.130 | .39320 | .09360 | .37850 | .14170 | -.00870 | .00320 | -.00170 | -.00090 | .01000 | -.02000 |
| .948 | 8.070 | .44730 | .09210 | .42990 | .15400 | -.01350 | .00390 | -.00210 | -.00070 | -.01000 | -.02000 |
| .949 | 9.050 | .50720 | .09200 | .48640 | .17060 | -.02010 | .00530 | -.00160 | -.00010 | -.04000 | -.01000 |
| .949 | 10.130 | .56460 | .09000 | .54000 | .18790 | -.02280 | .00170 | -.00110 | .00110 | -.03000 | -.02000 |
| .949 | 12.120 | .66880 | .08890 | .63520 | .22730 | -.02760 | .00010 | .00010 | .00210 | -.01000 | -.03000 |
| .949 | 14.080 | .75300 | .08990 | .70850 | .27030 | -.02460 | .00240 | -.00130 | .00190 | -.06000 | -.01000 |
| .950 | 16.160 | .86660 | .09240 | .80660 | .32990 | -.03310 | .00420 | -.00170 | .00280 | -.04000 | .00000 |
| .949 | 18.180 | .97300 | .09380 | .89520 | .39270 | -.03590 | .00500 | -.00220 | .00410 | -.06000 | -.01000 |
| .950 | 20.070 | 1.07010 | .09400 | .97280 | .45550 | -.03310 | -.00590 | .00210 | .00030 | -.01000 | -.03000 |
| | GRADIENT | .06264 | -.00055 | .06077 | .00105 | -.00790 | -.00009 | -.00011 | -.00000 | .00036 | .00145 |

ARC 200-1 11(LA77) OV101 (R2B001) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 10/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.960 | -.17500 | .14030 | -.17010 | .14620 | .07450 | .00140 | .00020 | -.00100 | .00000 | .02000 |
| 1.047 | -.010 | -.04410 | .13950 | -.04410 | .13950 | .05270 | .00110 | .00000 | -.00110 | .01000 | .01000 |
| 1.047 | 2.010 | .08920 | .14050 | .08420 | .14350 | .03010 | .00070 | -.00020 | -.00110 | .00000 | .02000 |
| 1.047 | 3.030 | .15640 | .14090 | .14880 | .14890 | .01750 | .00050 | -.00040 | -.00100 | .01000 | .01000 |
| 1.048 | 4.020 | .22230 | .14130 | .21190 | .15660 | .00580 | .00020 | -.00030 | -.00110 | -.01000 | .02000 |
| 1.048 | 5.060 | .28600 | .14030 | .27250 | .16500 | -.00490 | .00020 | -.00030 | -.00100 | -.02000 | .02000 |
| 1.046 | 6.030 | .34360 | .13830 | .32720 | .17370 | -.01270 | -.00060 | -.00010 | -.00100 | -.02000 | .02000 |
| 1.046 | 6.980 | .39880 | .13680 | .37930 | .18430 | -.01930 | -.00110 | .00010 | -.00080 | -.01000 | .00000 |
| 1.046 | 7.960 | .45380 | .13510 | .43070 | .19660 | -.02490 | -.00070 | -.00020 | -.00100 | -.01000 | .00000 |
| 1.046 | 8.980 | .51170 | .13340 | .48460 | .21160 | -.02970 | -.00130 | -.00050 | -.00110 | -.03000 | .01000 |
| 1.046 | 9.990 | .57030 | .13170 | .53880 | .22870 | -.03450 | -.00160 | -.00010 | -.00090 | -.02000 | .01000 |
| 1.047 | 11.950 | .68250 | .13020 | .64080 | .26860 | -.04380 | -.00400 | -.00010 | .00000 | -.03000 | .02000 |
| 1.048 | 13.940 | .78670 | .13070 | .73200 | .31640 | -.04740 | -.00260 | -.00060 | -.00070 | -.03000 | .01000 |
| 1.046 | 15.930 | .88640 | .13330 | .81580 | .37140 | -.04910 | -.00250 | -.00070 | -.00090 | -.03000 | .00000 |
| 1.047 | 17.980 | 1.01320 | .13130 | .92320 | .43760 | -.06470 | -.00510 | -.00020 | .00020 | -.03000 | .00000 |
| 1.048 | 19.960 | 1.12910 | .13150 | 1.01640 | .50890 | -.07880 | -.00560 | .00020 | .00040 | -.03000 | .01000 |
| | GRADIENT | .06636 | .00021 | .06382 | .00170 | -.01147 | -.00020 | -.00010 | -.00001 | -.00104 | -.00008 |

RUN NO. 6/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.115 | -1.950 | -.16550 | .14570 | -.16040 | .15130 | .07490 | .00240 | .00040 | -.00140 | .00000 | .03000 |
| 1.116 | -.010 | -.03350 | .14650 | -.03340 | .14650 | .04570 | .00210 | .00010 | -.00140 | .00000 | .01000 |
| 1.114 | 2.010 | .09920 | .14730 | .09390 | .15070 | .01900 | .00220 | .00000 | -.00150 | -.02000 | .01000 |
| 1.114 | 4.020 | .22490 | .14740 | .21410 | .16280 | -.00390 | .00160 | -.00020 | -.00150 | -.01000 | .00000 |
| 1.115 | 6.030 | .34420 | .14530 | .32700 | .18070 | -.02170 | .00110 | -.00020 | -.00150 | -.01000 | .02000 |
| 1.115 | 7.950 | .45100 | .14190 | .42700 | .20290 | -.03310 | .00050 | .00010 | -.00130 | -.02000 | .01000 |
| 1.114 | 10.010 | .56830 | .13700 | .53580 | .23370 | -.04170 | -.00020 | .00000 | -.00130 | -.02000 | .01000 |
| 1.116 | 10.980 | .62470 | .13460 | .58770 | .25110 | -.04560 | -.00090 | -.00010 | -.00120 | -.02000 | .01000 |
| 1.114 | 11.980 | .67990 | .13280 | .63660 | .27080 | -.04820 | -.00120 | -.00010 | -.00100 | -.03000 | .02000 |
| 1.114 | 13.010 | .73670 | .13230 | .68800 | .29480 | -.05180 | -.00390 | .00050 | .00000 | -.03000 | .02000 |
| 1.113 | 14.000 | .79100 | .13200 | .73560 | .31940 | -.05330 | -.00420 | .00050 | .00010 | -.02000 | .01000 |
| 1.114 | 15.050 | .85300 | .13200 | .78950 | .34900 | -.05920 | -.00270 | -.00020 | -.00040 | -.02000 | .02000 |
| 1.114 | 16.020 | .91300 | .13300 | .84090 | .37990 | -.06780 | -.00270 | -.00080 | -.00030 | -.01000 | .01000 |
| 1.113 | 17.990 | 1.01470 | .13310 | .92400 | .43990 | -.07320 | -.00090 | -.00210 | -.00130 | -.03000 | .02000 |
| 1.115 | 20.010 | 1.11400 | .13230 | 1.00140 | .50560 | -.07780 | -.00140 | -.00140 | -.00140 | -.02000 | .01000 |
| | GRADIENT | .06541 | .00030 | .06275 | .00196 | -.01319 | -.00009 | -.00010 | -.00002 | -.00251 | -.00450 |

ARC 200-1 11(LA77) OV101 (R28001) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 2/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.990 | -.14350 | .15090 | -.13810 | .15580 | .06270 | .00310 | .00030 | -.00090 | .02000 | .01000 |
| 1.196 | .000 | -.01740 | .15040 | -.01740 | .15040 | .03420 | .00300 | .00030 | -.00090 | .00000 | .00000 |
| 1.198 | 2.020 | .10630 | .14880 | .10100 | .15240 | .00910 | .00240 | .00010 | -.00090 | -.03000 | .03000 |
| 1.196 | 4.020 | .22470 | .14740 | .21380 | .16280 | -.01230 | .00220 | -.00020 | -.00090 | .00000 | .01000 |
| 1.197 | 6.020 | .34090 | .14550 | .32380 | .18050 | -.03170 | .00210 | -.00070 | -.00090 | .01000 | .00000 |
| 1.199 | 7.980 | .45400 | .14230 | .42980 | .20400 | -.04670 | .00070 | .00000 | -.00080 | -.01000 | .02000 |
| 1.198 | 9.970 | .56460 | .13790 | .53220 | .23360 | -.05350 | .00050 | -.00010 | -.00090 | -.02000 | .01000 |
| 1.197 | 10.990 | .62130 | .13570 | .58400 | .25160 | -.05660 | .00040 | .00040 | -.00080 | .01000 | .01000 |
| 1.198 | 11.970 | .67530 | .13410 | .63280 | .27120 | -.05980 | .00060 | -.00010 | -.00080 | .00000 | .01000 |
| 1.197 | 13.010 | .72970 | .13290 | .68100 | .29370 | -.06300 | .00060 | -.00050 | -.00100 | -.03000 | .02000 |
| 1.197 | 13.980 | .78190 | .13350 | .72650 | .31840 | -.06740 | .00040 | -.00030 | -.00080 | -.02000 | .01000 |
| 1.198 | 15.010 | .83800 | .13410 | .77470 | .34660 | -.07280 | -.00190 | .00020 | .00000 | -.03000 | .01000 |
| 1.198 | 16.010 | .89160 | .13490 | .81980 | .37560 | -.07720 | -.00070 | -.00040 | -.00050 | -.03000 | .01000 |
| 1.198 | 17.990 | .99730 | .13390 | .90720 | .43530 | -.08600 | -.00100 | -.00050 | -.00060 | -.02000 | .01000 |
| 1.198 | 19.980 | 1.09070 | .13320 | .97960 | .49780 | -.08770 | -.00050 | -.00060 | -.00080 | -.04000 | .01000 |
| | GRADIENT | .06126 | -.00060 | .05856 | .00115 | -.01247 | -.00016 | -.00008 | .00000 | -.00449 | .00151 |

ARC 200-1 11(LA77) OV101 (R28002) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 38/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.950 | -.15290 | .07900 | -.15020 | .08420 | .03710 | -.09270 | -.00150 | .01320 | .03000 | .01000 |
| .898 | -.030 | -.04230 | .08020 | -.04220 | .08020 | .02880 | -.09260 | -.00360 | .01320 | .02000 | .03000 |
| .899 | 1.990 | .07500 | .07990 | .07220 | .08250 | .02090 | -.09290 | -.00520 | .01370 | -.01000 | .00000 |
| .900 | 3.030 | .13530 | .07890 | .13090 | .08590 | .01690 | -.09310 | -.00570 | .01350 | -.01000 | .00000 |
| .900 | 4.000 | .18620 | .07830 | .18020 | .09110 | .01530 | -.09440 | -.00580 | .01340 | .01000 | .00000 |
| .898 | 5.020 | .23850 | .07620 | .23090 | .09680 | .01560 | -.09330 | -.00660 | .01280 | .01000 | -.01000 |
| .900 | 6.000 | .28440 | .07500 | .27510 | .10430 | .01700 | -.09250 | -.00820 | .01180 | .01000 | -.01000 |
| .900 | 6.980 | .33200 | .07340 | .32060 | .11320 | .01760 | -.09090 | -.00980 | .01070 | .00000 | -.01000 |
| .900 | 7.960 | .37750 | .07210 | .36380 | .12370 | .01830 | -.09000 | -.01110 | .01000 | .01000 | .00000 |
| .899 | 8.900 | .42540 | .07140 | .40920 | .13640 | .01740 | -.09030 | -.01210 | .00970 | -.01000 | .00000 |
| .899 | 10.020 | .48410 | .07030 | .46450 | .15340 | .01540 | -.09060 | -.01210 | .00950 | -.02000 | .00000 |
| .900 | 12.030 | .58680 | .06980 | .55930 | .19060 | .00920 | -.09090 | -.01170 | .00800 | .00000 | -.01000 |
| .899 | 14.010 | .68930 | .07260 | .65120 | .23720 | .00030 | -.08930 | -.01120 | .00430 | -.03000 | .00000 |
| .900 | 16.060 | .79720 | .07380 | .74560 | .29140 | -.00810 | -.08490 | -.00980 | -.00120 | -.04000 | .00000 |
| .900 | 18.070 | .89600 | .07200 | .82950 | .34640 | -.00880 | -.08040 | -.00950 | -.00740 | -.03000 | .00000 |
| .901 | 19.980 | .98500 | .07320 | .90070 | .40540 | -.00140 | -.07450 | -.00970 | -.01240 | -.03000 | .00000 |
| | GRADIENT | .05731 | -.00014 | .05586 | .00110 | -.00377 | -.00023 | -.00074 | .00006 | -.00545 | -.00333 |

RUN NO. 55/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.910 | -.16670 | .10400 | -.16310 | .10950 | .05470 | -.08250 | -.00660 | .00990 | .03000 | .01000 |
| .948 | .060 | -.04050 | .10230 | -.04060 | .10220 | .03820 | -.08160 | -.00950 | .01010 | .03000 | .00000 |
| .950 | 2.110 | .08340 | .10360 | .07950 | .10660 | .02540 | -.08040 | -.01050 | .01010 | .02000 | .01000 |
| .949 | 3.070 | .14510 | .10110 | .13950 | .10870 | .01650 | -.08110 | -.01020 | .01060 | .01000 | .01000 |
| .949 | 4.030 | .20490 | .09960 | .19740 | .11370 | .00930 | -.08160 | -.00990 | .01110 | .01000 | .01000 |
| .949 | 5.030 | .26360 | .09790 | .25400 | .12070 | .00340 | -.08300 | -.01000 | .01180 | .01000 | .01000 |
| .947 | 6.060 | .32590 | .09570 | .31400 | .12950 | -.00220 | -.08420 | -.01020 | .01250 | .00000 | .01000 |
| .949 | 7.020 | .38360 | .09510 | .36910 | .14120 | -.00870 | -.08350 | -.01120 | .01240 | .02000 | -.01000 |
| .947 | 8.080 | .44070 | .09100 | .42350 | .15200 | -.01220 | -.08460 | -.01090 | .01270 | .01000 | -.02000 |
| .949 | 9.040 | .50080 | .09130 | .48020 | .16890 | -.01930 | -.08420 | -.01170 | .01280 | -.02000 | -.02000 |
| .949 | 10.010 | .55360 | .08910 | .52970 | .18390 | -.02250 | -.08320 | -.01190 | .01250 | -.04000 | -.02000 |
| .948 | 12.020 | .65970 | .08800 | .62690 | .22350 | -.02750 | -.07750 | -.01390 | .01000 | -.04000 | -.01000 |
| .949 | 14.090 | .76390 | .09010 | .71900 | .27330 | -.03280 | -.07520 | -.01460 | .00850 | -.02000 | -.03000 |
| .949 | 16.070 | .86700 | .09160 | .80780 | .32800 | -.03670 | -.07130 | -.01620 | .00610 | -.04000 | -.02000 |
| .949 | 18.040 | .97890 | .09260 | .90210 | .39110 | -.04360 | -.06550 | -.01700 | .00400 | -.06000 | .00000 |
| .950 | 19.990 | 1.07610 | .09210 | .97970 | .45450 | -.04070 | -.05130 | -.01800 | -.01010 | -.02000 | .00000 |
| | GRADIENT | .06236 | -.00060 | .06050 | .00078 | -.00752 | .00020 | -.00055 | .00018 | -.00390 | .00062 |

ARC 200-1 11(LA77) OV101 (R28002) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 16/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.960 | -.17600 | .14310 | -.17100 | .14900 | .07100 | -.07770 | -.00650 | .00690 | .00000 | -.01000 |
| 1.047 | .000 | -.04590 | .14240 | -.04590 | .14240 | .04870 | -.07540 | -.00990 | .00640 | .00000 | .00000 |
| 1.047 | 2.020 | .08690 | .14280 | .08180 | .14580 | .02790 | -.07460 | -.01110 | .00610 | -.01000 | .00000 |
| 1.045 | 2.990 | .14980 | .14330 | .14210 | .15090 | .01770 | -.07350 | -.01080 | .00600 | -.01000 | .00000 |
| 1.048 | 4.020 | .21700 | .14290 | .20640 | .15780 | .00590 | -.07280 | -.01080 | .00530 | -.03000 | .00000 |
| 1.047 | 5.020 | .27940 | .14230 | .26590 | .16620 | -.00390 | -.07260 | -.01080 | .00520 | -.02000 | -.01000 |
| 1.048 | 6.040 | .34080 | .14180 | .32400 | .17690 | -.01190 | -.07300 | -.01070 | .00550 | -.01000 | .00000 |
| 1.045 | 7.020 | .39830 | .14190 | .37800 | .18950 | -.01690 | -.07670 | -.01010 | .00710 | -.02000 | .00000 |
| 1.046 | 8.000 | .45670 | .14090 | .43270 | .20310 | -.02320 | -.07870 | -.01050 | .00810 | -.02000 | -.01000 |
| 1.046 | 9.040 | .51930 | .13910 | .49100 | .21890 | -.02960 | -.07940 | -.01140 | .00840 | -.02000 | -.01000 |
| 1.045 | 10.020 | .57570 | .13760 | .54300 | .23560 | -.03510 | -.07830 | -.01240 | .00850 | -.01000 | -.02000 |
| 1.044 | 11.980 | .68290 | .13420 | .64010 | .27300 | -.04160 | -.07900 | -.01290 | .00790 | -.03000 | .00000 |
| 1.045 | 14.000 | .79150 | .13270 | .73580 | .32030 | -.04780 | -.07840 | -.01250 | .00600 | -.01000 | -.02000 |
| 1.045 | 16.010 | .89920 | .13090 | .82830 | .37380 | -.05350 | -.07700 | -.01260 | .00340 | -.02000 | .00000 |
| 1.045 | 17.950 | 1.00520 | .12980 | .91630 | .43330 | -.06190 | -.07670 | -.01020 | .00050 | -.01000 | -.02000 |
| 1.046 | 19.960 | 1.10900 | .12890 | .99840 | .49970 | -.06730 | -.07070 | -.01090 | -.00470 | -.03000 | .01000 |
| | GRADIENT | .06571 | .00003 | .06311 | .00145 | -.01078 | .00078 | -.00069 | -.00023 | -.00434 | .00147 |

RUN NO. 7/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.115 | -1.940 | -.16590 | .14720 | -.16090 | .15270 | .07150 | -.07660 | -.00690 | .00690 | .01000 | .01000 |
| 1.114 | .010 | -.03710 | .14750 | -.03710 | .14750 | .04510 | -.07500 | -.00910 | .00670 | .01000 | .01000 |
| 1.116 | 2.020 | .09420 | .14780 | .08890 | .15110 | .01820 | -.07260 | -.00950 | .00540 | -.02000 | .02000 |
| 1.114 | 4.030 | .22320 | .14780 | .21220 | .16310 | -.00480 | -.07090 | -.00980 | .00480 | .00000 | .00000 |
| 1.115 | 6.050 | .34320 | .14630 | .32590 | .18160 | -.02120 | -.06900 | -.00910 | .00380 | -.02000 | .01000 |
| 1.115 | 8.000 | .45600 | .14450 | .43140 | .20660 | -.03340 | -.06990 | -.00950 | .00420 | .00000 | .00000 |
| 1.114 | 10.040 | .57360 | .14010 | .54040 | .23800 | -.04310 | -.06880 | -.01070 | .00370 | -.02000 | .02000 |
| 1.114 | 11.010 | .62750 | .13780 | .58970 | .25510 | -.04610 | -.06910 | -.01110 | .00360 | -.02000 | .02000 |
| 1.114 | 12.040 | .68340 | .13570 | .64010 | .27520 | -.04880 | -.07070 | -.01110 | .00350 | -.03000 | .02000 |
| 1.115 | 13.080 | .73880 | .13460 | .68910 | .29830 | -.05160 | -.07420 | -.01130 | .00410 | -.03000 | .02000 |
| 1.113 | 14.070 | .79560 | .13430 | .73910 | .32370 | -.05660 | -.07370 | -.00950 | .00350 | -.02000 | .01000 |
| 1.114 | 15.120 | .85580 | .13380 | .79120 | .35240 | -.06200 | -.07240 | -.00830 | .00180 | -.02000 | .01000 |
| 1.115 | 16.080 | .90550 | .13410 | .83290 | .37960 | -.06510 | -.07260 | -.00750 | .00070 | -.02000 | .00000 |
| 1.117 | 18.030 | 1.00770 | .13360 | .91680 | .43890 | -.07140 | -.06870 | -.00870 | -.00310 | -.02000 | .01000 |
| 1.113 | 20.040 | 1.10960 | .13110 | .99750 | .50340 | -.07660 | -.06630 | -.00970 | -.00680 | -.02000 | .01000 |
| | GRADIENT | .06519 | .00011 | .06251 | .00176 | -.01284 | .00098 | -.00046 | -.00038 | -.00301 | -.00101 |

ARC 200-1 11(LA77) OV101 (R2B002) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 3/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -1.910 | -.14330 | .15290 | -.13820 | .15760 | .06160 | -.07500 | -.00640 | .00610 | .02000 | .01000 |
| 1.199 | .020 | -.02410 | .15170 | -.02410 | .15170 | .03520 | -.07280 | -.00680 | .00560 | -.01000 | .02000 |
| 1.198 | 2.020 | .09770 | .14990 | .09240 | .15330 | .01080 | -.07110 | -.00740 | .00470 | .00000 | .00000 |
| 1.199 | 4.010 | .21690 | .14810 | .20600 | .16290 | -.01070 | -.06880 | -.00780 | .00350 | -.08000 | .08000 |
| 1.198 | 6.020 | .33730 | .14640 | .32010 | .18100 | -.03050 | -.06550 | -.00860 | .00210 | .00000 | .00000 |
| 1.198 | 7.990 | .45090 | .14370 | .42650 | .20500 | -.04260 | -.06500 | -.00900 | .00160 | .08000 | -.09000 |
| 1.196 | 10.030 | .56860 | .14030 | .53550 | .23720 | -.05320 | -.06360 | -.01030 | .00110 | .01000 | -.01000 |
| 1.196 | 11.000 | .61910 | .13880 | .53120 | .25450 | -.05610 | -.06380 | -.01060 | .00060 | -.04000 | .04000 |
| 1.195 | 12.020 | .67250 | .13650 | .62930 | .27360 | -.05870 | -.06650 | -.01010 | .00130 | -.01000 | -.01000 |
| 1.196 | 13.080 | .73380 | .13550 | .68410 | .29800 | -.06570 | -.06740 | -.00850 | .00090 | -.04000 | .03000 |
| 1.195 | 14.070 | .79060 | .13500 | .73410 | .32310 | -.07150 | -.06860 | -.00690 | .00030 | -.03000 | .02000 |
| 1.197 | 15.110 | .84510 | .13560 | .78050 | .35130 | -.07550 | -.06990 | -.00590 | -.00040 | -.06000 | .05000 |
| 1.196 | 16.080 | .89200 | .13560 | .81950 | .37720 | -.07580 | -.06990 | -.00650 | -.00110 | -.07000 | .05000 |
| 1.195 | 18.030 | .99190 | .13330 | .90180 | .43380 | -.08160 | -.06470 | -.00760 | -.00580 | -.07000 | .05000 |
| 1.196 | 20.040 | 1.08450 | .12960 | .97450 | .49340 | -.08370 | -.06160 | -.00830 | -.00950 | -.08000 | .06000 |
| | GRADIENT | .06095 | -.00082 | .05815 | .00090 | -.01221 | .00103 | -.00024 | -.00044 | -.01469 | .00964 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B003) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPOBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 321/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.220 | .55730 | .09090 | .53300 | .18640 | -.02160 | .12670 | .01410 | -.01380 | -.06000 | -.03000 |
| .949 | -4.160 | .55970 | .08990 | .53560 | .18570 | -.02460 | .08500 | .00810 | -.00900 | -.04000 | -.07000 |
| .950 | -3.130 | .55850 | .09040 | .53440 | .18590 | -.02440 | .06300 | .00500 | -.00630 | -.05000 | -.05000 |
| .949 | -2.090 | .55860 | .09090 | .53440 | .18630 | -.02350 | .04240 | .00210 | -.00380 | -.01000 | -.07000 |
| .947 | -1.010 | .55290 | .09040 | .52890 | .18470 | -.02040 | .01900 | .00060 | -.00490 | -.01000 | -.08000 |
| .947 | .000 | .55060 | .09060 | .52660 | .18450 | -.02120 | .00000 | -.00080 | -.00310 | .00000 | -.05000 |
| .948 | 1.020 | .55950 | .09260 | .53490 | .18840 | -.02510 | -.01720 | -.00320 | -.00180 | -.02000 | -.06000 |
| .948 | 2.090 | .55250 | .09080 | .52830 | .18540 | -.02180 | -.03600 | -.00610 | -.00010 | -.02000 | -.05000 |
| .948 | 3.150 | .54910 | .08990 | .52520 | .18380 | -.02160 | -.05680 | -.00900 | .00210 | -.03000 | -.04000 |
| .950 | 4.180 | .54680 | .08990 | .52300 | .18330 | -.02220 | -.07590 | -.01320 | .00930 | -.04000 | -.03000 |
| .949 | 6.270 | .54460 | .09290 | .52030 | .18580 | -.02260 | -.12270 | -.01710 | .01590 | -.05000 | -.06000 |
| .948 | 8.380 | .53750 | .09210 | .51350 | .18380 | -.01260 | -.16560 | -.02090 | .02110 | -.01000 | -.05000 |
| | GRADIENT | -.00137 | .00001 | -.00135 | -.00023 | .00027 | -.01911 | -.00236 | .00174 | .00048 | .00399 |

RUN NO. 8/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.118 | -6.160 | .58530 | .13940 | .55170 | .24010 | -.04190 | .09800 | .01410 | -.00800 | .00000 | .02000 |
| 1.116 | -4.110 | .58120 | .13760 | .54810 | .23730 | -.04300 | .06330 | .00940 | -.00520 | -.02000 | .02000 |
| 1.115 | -3.080 | .57810 | .13730 | .54510 | .23640 | -.04240 | .04720 | .00700 | -.00450 | -.02000 | .01000 |
| 1.116 | -2.030 | .57560 | .13690 | .54290 | .23530 | -.04210 | .02980 | .00460 | -.00330 | -.01000 | .01000 |
| 1.115 | -.980 | .57220 | .13670 | .53960 | .23430 | -.04220 | .01390 | .00230 | -.00210 | .00000 | .00000 |
| 1.114 | .010 | .56790 | .13680 | .53540 | .23350 | -.04120 | -.00110 | .00020 | -.00110 | -.01000 | .00000 |
| 1.116 | 1.070 | .57250 | .13740 | .53960 | .23560 | -.04210 | -.01720 | -.00210 | -.00020 | -.03000 | .02000 |
| 1.117 | 2.140 | .57690 | .13810 | .54380 | .23720 | -.04410 | -.03340 | -.00500 | .00090 | -.01000 | .00000 |
| 1.114 | 3.200 | .57640 | .13900 | .54320 | .23790 | -.04370 | -.05050 | -.00780 | .00220 | -.01000 | .00000 |
| 1.115 | 4.260 | .57350 | .14000 | .54010 | .23810 | -.04350 | -.06820 | -.01070 | .00360 | -.01000 | .00000 |
| 1.115 | 6.370 | .57120 | .14250 | .53750 | .24020 | -.04220 | -.10850 | -.01510 | .00770 | -.02000 | .01000 |
| 1.116 | 8.480 | .57430 | .14320 | .54030 | .24170 | -.03740 | -.14840 | -.02090 | .01240 | -.02000 | .00000 |
| | GRADIENT | -.00052 | .00029 | -.00057 | .00021 | -.00016 | -.01557 | -.00237 | .00105 | .00065 | -.00176 |

ARC 200-1 II(LA77) OV101 - TO + BETA (R28003) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 4/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -6.180 | .57700 | .13980 | .54350 | .23880 | -.05250 | .09450 | .01360 | -.00480 | -.02000 | .02000 |
| 1.196 | -4.120 | .57730 | .13890 | .54410 | .23790 | -.05420 | .06140 | .00920 | -.00310 | -.02000 | .02000 |
| 1.197 | -3.090 | .57600 | .13880 | .54290 | .23730 | -.05480 | .04470 | .00720 | -.00220 | -.02000 | .01000 |
| 1.196 | -2.040 | .57340 | .13840 | .54040 | .23630 | -.05380 | .02930 | .00470 | -.00150 | .00000 | .00000 |
| 1.196 | -.980 | .56660 | .13730 | .53400 | .23390 | -.05190 | .01390 | .00180 | -.00130 | -.02000 | .01000 |
| 1.196 | .000 | .56200 | .13660 | .52960 | .23230 | -.05090 | .00020 | -.00010 | -.00070 | -.02000 | .01000 |
| 1.195 | 1.080 | .56660 | .13680 | .53390 | .23400 | -.05100 | -.01530 | -.00240 | -.00040 | -.02000 | .01000 |
| 1.196 | 2.140 | .56900 | .13810 | .53600 | .23570 | -.05200 | -.03090 | -.00520 | .00010 | -.02000 | .01000 |
| 1.196 | 3.210 | .56890 | .13910 | .53570 | .23670 | -.05220 | -.04670 | -.00790 | .00050 | -.02000 | .00000 |
| 1.194 | 4.270 | .56720 | .14020 | .53390 | .23730 | -.05240 | -.06330 | -.01040 | .00100 | -.01000 | -.01000 |
| 1.196 | 6.390 | .56380 | .14130 | .53040 | .23770 | -.05120 | -.09910 | -.01420 | .00290 | -.01000 | .00000 |
| 1.197 | 8.500 | .56740 | .14160 | .53390 | .23880 | -.04940 | -.13490 | -.01870 | .00500 | -.02000 | .01000 |
| | GRADIENT | -.00111 | .00008 | -.00113 | -.00008 | .00031 | -.01467 | -.00235 | .00045 | .00001 | -.00207 |

ARC 200-I 11(LA77) OV101 + TO - BETA (R2B004) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 322/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -6.220 | .56190 | .09260 | .53720 | .18900 | -.02400 | .12590 | .01390 | -.01400 | -.01000 | -.09000 |
| .950 | -4.140 | .55930 | .08990 | .53520 | .18560 | -.02490 | .08440 | .00800 | -.00890 | -.05000 | -.04000 |
| .951 | -3.100 | .56260 | .09140 | .53840 | .18770 | -.02680 | .06250 | .00500 | -.00650 | -.01000 | -.04000 |
| .949 | -2.060 | .55880 | .09080 | .53460 | .18620 | -.02350 | .04170 | .00220 | -.00370 | .01000 | -.08000 |
| .949 | -.990 | .55040 | .09030 | .52650 | .18400 | -.02050 | .01840 | .00070 | -.00490 | -.01000 | -.08000 |
| .948 | .010 | .55090 | .09010 | .52690 | .18430 | -.02010 | .00000 | -.00090 | -.00310 | .02000 | -.06000 |
| .950 | 1.080 | .55940 | .09200 | .53490 | .18810 | -.02450 | -.01820 | -.00340 | -.00180 | -.05000 | -.05000 |
| .947 | 2.140 | .55480 | .09120 | .53060 | .18620 | -.02290 | -.03690 | -.00640 | -.00010 | -.02000 | -.07000 |
| .951 | 3.190 | .55780 | .09270 | .53320 | .18820 | -.02590 | -.05780 | -.00930 | .00230 | -.03000 | -.05000 |
| .947 | 4.220 | .54790 | .08980 | .52400 | .18350 | -.02250 | -.07670 | -.01340 | .00930 | .02000 | -.06000 |
| .947 | 6.310 | .53990 | .09130 | .51600 | .18330 | -.02060 | -.12350 | -.01730 | .01570 | .02000 | -.04000 |
| .949 | 8.380 | .53940 | .09270 | .51520 | .18480 | -.01350 | -.16570 | -.02090 | .02120 | .00000 | -.04000 |
| | GRADIENT | -.00095 | .00010 | -.00095 | -.00004 | .00015 | -.01910 | -.00239 | .00174 | .00189 | -.00096 |

RUN NO. 9/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.116 | -6.160 | .58590 | .13940 | .55220 | .24020 | -.04160 | .09780 | .01430 | -.00810 | .00000 | .03000 |
| 1.116 | -4.080 | .58150 | .13750 | .54840 | .23730 | -.04330 | .06250 | .00920 | -.00510 | -.01000 | .04000 |
| 1.115 | -3.040 | .57890 | .13730 | .54590 | .23650 | -.04280 | .04630 | .00680 | -.00440 | -.01000 | .03000 |
| 1.115 | -2.000 | .57610 | .13700 | .54340 | .23550 | -.04240 | .02960 | .00430 | -.00320 | .00000 | .02000 |
| 1.115 | -.970 | .57160 | .13670 | .53900 | .23420 | -.04190 | .01350 | .00210 | -.00210 | .00000 | .02000 |
| 1.116 | .020 | .57030 | .13660 | .53760 | .23420 | -.04160 | -.00180 | .00010 | -.00120 | .00000 | .03000 |
| 1.116 | 1.120 | .57330 | .13740 | .54030 | .23580 | -.04240 | -.01780 | -.00220 | -.00020 | -.01000 | .03000 |
| 1.117 | 2.190 | .57620 | .13810 | .54310 | .23690 | -.04390 | -.03460 | -.00500 | .00080 | .00000 | .03000 |
| 1.114 | 3.240 | .57620 | .13890 | .54300 | .23770 | -.04380 | -.05160 | -.00790 | .00210 | .00000 | .03000 |
| 1.116 | 4.300 | .57420 | .14010 | .54080 | .23840 | -.04420 | -.06890 | -.01060 | .00350 | -.01000 | .03000 |
| 1.116 | 6.400 | .57190 | .14210 | .53820 | .24000 | -.04220 | -.10970 | -.01530 | .00780 | -.02000 | .01000 |
| 1.115 | 8.480 | .57480 | .14320 | .54070 | .24180 | -.03720 | -.14840 | -.02090 | .01230 | -.02000 | .00000 |
| | GRADIENT | -.00055 | .00029 | -.00060 | .00020 | -.00016 | -.01558 | -.00233 | .00102 | .00031 | -.00016 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R28004) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 5/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -6.190 | .57820 | .13970 | .54460 | .23920 | -.05220 | .09490 | .01300 | -.00500 | -.01000 | .02000 |
| 1.196 | -4.090 | .57740 | .13900 | .54410 | .23810 | -.05400 | .05980 | .00880 | -.00290 | .00000 | .02000 |
| 1.196 | -3.050 | .57660 | .13870 | .54360 | .23760 | -.05440 | .04300 | .00690 | -.00210 | .00000 | .02000 |
| 1.196 | -2.000 | .57370 | .13800 | .54080 | .23620 | -.05320 | .02770 | .00480 | -.00140 | .00000 | .02000 |
| 1.196 | -.970 | .56890 | .13740 | .53620 | .23450 | -.05250 | .01270 | .00250 | -.00110 | -.01000 | .03000 |
| 1.197 | .020 | .56640 | .13670 | .53390 | .23360 | -.05220 | -.00110 | .00030 | -.00070 | -.01000 | .03000 |
| 1.196 | 1.110 | .56860 | .13700 | .53570 | .23470 | -.05160 | -.01620 | -.00260 | -.00030 | -.01000 | .03000 |
| 1.196 | 2.190 | .56890 | .13790 | .53590 | .23550 | -.05190 | -.03220 | -.00530 | .00010 | -.01000 | .03000 |
| 1.197 | 3.250 | .56770 | .13880 | .53460 | .23600 | -.05200 | -.04840 | -.00800 | .00070 | -.01000 | .02000 |
| 1.197 | 4.300 | .56660 | .13960 | .53340 | .23670 | -.05240 | -.06400 | -.01060 | .00120 | -.01000 | .02000 |
| 1.197 | 6.420 | .56350 | .14130 | .53020 | .23770 | -.05130 | -.10040 | -.01430 | .00320 | -.02000 | .02000 |
| 1.197 | 8.500 | .56770 | .14160 | .53410 | .23880 | -.04980 | -.13440 | -.01890 | .00480 | -.02000 | .01000 |
| | GRADIENT | -.00127 | .00004 | -.00127 | -.00018 | .00027 | -.01459 | -.00235 | .00045 | -.00142 | .00030 |

ARC 200-1 11(LA77) OV101 (R2B005) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 46/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -1.990 | -.04710 | .08980 | -.04390 | .09140 | -.02570 | .00190 | .00060 | -.00030 | 9.99000 | -.07000 |
| .900 | .000 | .07240 | .09050 | .07240 | .09050 | -.03550 | .00210 | .00020 | -.00050 | 9.99000 | -.07000 |
| .901 | 2.020 | .20350 | .09140 | .20010 | .09850 | -.05310 | .00160 | -.00020 | -.00060 | 10.00000 | -.08000 |
| .900 | 2.990 | .26660 | .09060 | .26150 | .10440 | -.06190 | .00190 | -.00010 | -.00080 | 9.98000 | -.09000 |
| .900 | 4.030 | .33200 | .08960 | .32490 | .11270 | -.06990 | .00180 | -.00030 | -.00080 | 9.89000 | -.09000 |
| .899 | 5.070 | .39390 | .08780 | .38460 | .12230 | -.07690 | .00190 | -.00010 | -.00090 | 9.85000 | -.07000 |
| .899 | 5.990 | .45220 | .08730 | .44070 | .13410 | -.08420 | .00160 | -.00010 | -.00110 | 9.92000 | .00000 |
| .901 | 7.040 | .50940 | .08740 | .49490 | .14910 | -.08890 | .00080 | -.00030 | -.00120 | 9.89000 | .01000 |
| .899 | 7.980 | .55110 | .08690 | .53370 | .16260 | -.08690 | .00250 | -.00110 | -.00160 | 9.97000 | .00000 |
| .900 | 8.990 | .60320 | .08710 | .58220 | .18030 | -.08840 | .00060 | -.00110 | -.00130 | 9.96000 | .00000 |
| .901 | 10.020 | .65720 | .08620 | .63220 | .19920 | -.09080 | .00000 | -.00080 | -.00120 | 9.94000 | .01000 |
| .900 | 12.000 | .76560 | .08870 | .73050 | .24600 | -.09860 | -.00080 | .00000 | -.00110 | 9.96000 | .01000 |
| .900 | 13.990 | .85970 | .09250 | .81190 | .29770 | -.10490 | -.00140 | .00140 | -.00130 | 9.93000 | .00000 |
| .898 | 16.110 | .97370 | .09830 | .90820 | .36460 | -.11610 | -.00130 | .00130 | -.00200 | 9.92000 | .01000 |
| .902 | 18.020 | 1.05840 | .10200 | .97490 | .42450 | -.11230 | -.00110 | .00110 | -.00260 | 9.99000 | .01000 |
| .900 | 19.960 | 1.13570 | .10120 | 1.03300 | .48280 | -.09690 | .00030 | .00140 | -.00340 | 10.04000 | .00000 |
| | GRADIENT | .06328 | .00003 | .06158 | .00352 | -.00756 | -.00003 | -.00015 | -.00009 | -.01167 | -.00387 |

RUN NO. 323/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.970 | -.05540 | .11580 | -.05140 | .11760 | -.02500 | .00330 | -.00020 | -.00110 | 9.95000 | .02000 |
| .947 | -.050 | .07150 | .11530 | .07160 | .11520 | -.04280 | .00330 | -.00080 | -.00090 | 10.02000 | -.06000 |
| .949 | 1.980 | .21070 | .11640 | .20650 | .12360 | -.06640 | .00240 | -.00100 | -.00090 | 10.06000 | -.05000 |
| .950 | 3.950 | .34250 | .11800 | .33350 | .14130 | -.08770 | .00190 | -.00100 | -.00090 | 9.95000 | -.01000 |
| .949 | 5.960 | .47100 | .11410 | .45660 | .16240 | -.10590 | .00220 | -.00150 | -.00070 | 9.97000 | -.05000 |
| .948 | 7.970 | .59090 | .11040 | .56990 | .19130 | -.11910 | .00020 | -.00050 | -.00130 | 9.99000 | -.06000 |
| .949 | 9.950 | .70240 | .10780 | .67330 | .22750 | -.12680 | .00000 | -.00040 | -.00270 | 9.96000 | -.06000 |
| .948 | 11.960 | .81240 | .10940 | .77210 | .27540 | -.13430 | -.00010 | -.00100 | -.00410 | 10.00000 | -.05000 |
| .948 | 13.930 | .91200 | .11320 | .85790 | .32950 | -.13900 | -.00400 | .00030 | -.00380 | 9.96000 | -.04000 |
| .951 | 15.980 | 1.02400 | .11930 | .95160 | .39660 | -.14550 | -.00600 | .00140 | -.00500 | 10.00000 | -.04000 |
| .951 | 17.960 | 1.12580 | .12010 | 1.03390 | .46130 | -.14630 | -.01160 | .00160 | -.00450 | 9.97000 | -.04000 |
| | GRADIENT | .06736 | .00039 | .06517 | .00403 | -.01070 | -.00026 | -.00013 | .00003 | .00196 | -.00394 |

ARC 200-1 11(LA77) OV101 (R2B005) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 11/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.020 | -.06290 | .15600 | -.05730 | .15820 | -.01260 | .00020 | -.00020 | -.00070 | 10.00000 | -.07000 |
| 1.047 | .050 | .07850 | .15530 | .07830 | .15530 | -.03660 | .00000 | -.00030 | -.00080 | 10.00000 | -.07000 |
| 1.048 | 2.070 | .21460 | .15670 | .20900 | .16440 | -.06180 | .00000 | -.00050 | -.00080 | 10.00000 | -.08000 |
| 1.046 | 4.080 | .34760 | .15700 | .33550 | .18140 | -.08590 | -.00040 | -.00060 | -.00070 | 10.00000 | -.07000 |
| 1.045 | 5.090 | .41210 | .15670 | .39650 | .19260 | -.09710 | -.00040 | -.00060 | -.00060 | 10.01000 | -.08000 |
| 1.048 | 6.100 | .47550 | .15540 | .45630 | .20500 | -.10750 | -.00070 | -.00080 | -.00070 | 9.99000 | -.07000 |
| 1.047 | 7.070 | .53780 | .15470 | .51470 | .21980 | -.11710 | -.00090 | -.00100 | -.00070 | 9.97000 | -.05000 |
| 1.047 | 8.030 | .59760 | .15380 | .57030 | .23580 | -.12530 | -.00100 | -.00080 | -.00070 | 10.00000 | -.08000 |
| 1.047 | 9.070 | .65710 | .15160 | .62490 | .25330 | -.12990 | -.00200 | -.00060 | -.00060 | 10.00000 | -.09000 |
| 1.047 | 10.080 | .71480 | .15000 | .67750 | .27280 | -.13440 | -.00200 | .00000 | -.00060 | 9.98000 | -.06000 |
| 1.044 | 11.030 | .77180 | .14960 | .72890 | .29440 | -.13950 | -.00260 | -.00060 | -.00050 | 9.98000 | -.07000 |
| 1.047 | 12.040 | .83060 | .14880 | .78130 | .31880 | -.14410 | -.00290 | -.00070 | -.00030 | 9.99000 | -.08000 |
| 1.047 | 14.040 | .93700 | .14960 | .87270 | .37240 | -.14810 | -.00220 | -.00100 | -.00060 | 9.98000 | -.07000 |
| 1.045 | 16.030 | 1.04110 | .15410 | .95810 | .43560 | -.15270 | -.00370 | -.00040 | -.00010 | 9.98000 | -.08000 |
| 1.044 | 17.990 | 1.15030 | .15510 | 1.04620 | .50280 | -.16090 | -.00600 | .00020 | .00080 | 9.98000 | -.06000 |
| 1.046 | 20.030 | 1.26210 | .15480 | 1.13270 | .57770 | -.16860 | -.00660 | .00140 | .00090 | 9.97000 | -.07000 |
| | GRADIENT | .06732 | .00022 | .06443 | .00386 | -.01206 | -.00009 | -.00007 | -.00000 | .00000 | -.00050 |

ARC 200-1 11(LA77) OV101 (R2B006) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 47/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.960 | -.32130 | .09780 | -.31770 | .10880 | .14830 | .00360 | .00170 | -.00090 | -10.00000 | .00000 |
| .899 | .000 | -.20260 | .09690 | -.20260 | .09690 | .13710 | .00350 | .00170 | -.00090 | -10.00000 | -.02000 |
| .900 | 2.040 | -.07960 | .09560 | -.08300 | .09270 | .12590 | .00320 | .00120 | -.00100 | -10.03000 | .00000 |
| .900 | 2.950 | -.02040 | .09360 | -.02520 | .09250 | .11760 | .00310 | .00120 | -.00100 | -10.03000 | -.02000 |
| .899 | 3.990 | .04460 | .09140 | .03820 | .09430 | .10790 | .00260 | .00110 | -.00100 | -10.06000 | -.02000 |
| .901 | 5.020 | .11110 | .08920 | .10290 | .09850 | .09880 | .00230 | .00090 | -.00100 | -10.06000 | -.05000 |
| .899 | 5.950 | .16750 | .08680 | .15760 | .10370 | .09220 | .00230 | .00040 | -.00120 | -10.05000 | -.05000 |
| .900 | 7.030 | .22890 | .08470 | .21680 | .11210 | .08640 | .00130 | .00050 | -.00090 | -10.03000 | -.03000 |
| .899 | 8.000 | .28160 | .08330 | .26720 | .12170 | .08350 | .00110 | .00080 | -.00080 | -10.00000 | -.02000 |
| .898 | 8.990 | .32600 | .08420 | .30880 | .13410 | .06710 | .00070 | -.00080 | -.00130 | -9.99000 | -.01000 |
| .902 | 10.020 | .37990 | .08380 | .35950 | .14860 | .08610 | .00030 | -.00040 | -.00100 | -9.97000 | -.02000 |
| .899 | 12.020 | .48260 | .08210 | .45490 | .18080 | .08300 | -.00090 | .00080 | -.00130 | -9.98000 | -.01000 |
| .900 | 13.980 | .57520 | .08330 | .53800 | .21980 | .07900 | -.00090 | .00140 | -.00180 | -9.97000 | -.02000 |
| .898 | 16.010 | .67560 | .08420 | .62610 | .26720 | .07310 | -.00070 | .00140 | -.00260 | -9.97000 | -.03000 |
| .899 | 18.060 | .77900 | .08650 | .71380 | .32380 | .07290 | .00030 | .00080 | -.00340 | -9.99000 | -.02000 |
| .900 | 20.030 | .86790 | .08700 | .78560 | .37910 | .08420 | -.00070 | .00110 | -.00310 | -9.95000 | -.02000 |
| | GRADIENT | .06142 | -.00102 | .05974 | -.00247 | -.00661 | -.00015 | -.00012 | -.00002 | -.00969 | -.00240 |

RUN NO. 317/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.940 | -.34220 | .11710 | -.33810 | .12660 | .18170 | .00290 | .00050 | -.00090 | -9.92000 | .01000 |
| .949 | .040 | -.21240 | .11130 | -.21250 | .11710 | .16500 | .00330 | .00030 | -.00090 | -9.92000 | .00000 |
| .947 | 2.050 | -.07600 | .11430 | -.08010 | .11150 | .14150 | .00340 | .00000 | -.00120 | -9.94000 | .00000 |
| .950 | 4.050 | .06530 | .11260 | .05710 | .11690 | .11480 | .00340 | -.00030 | -.00120 | -9.97000 | .02000 |
| .950 | 6.120 | .20930 | .10950 | .19640 | .13120 | .08760 | .00410 | -.00090 | -.00110 | -9.94000 | .02000 |
| .949 | 8.090 | .32450 | .10490 | .30650 | .14960 | .07480 | .00060 | .00030 | -.00140 | -9.92000 | .00000 |
| .948 | 10.090 | .44710 | .10100 | .42250 | .17780 | .05900 | .00010 | .00020 | -.00290 | -9.93000 | .02000 |
| .948 | 12.080 | .56050 | .09980 | .52720 | .21490 | .04710 | -.00270 | -.00060 | -.00320 | -9.95000 | -.01000 |
| .948 | 14.020 | .65560 | .09880 | .61220 | .25470 | .04060 | -.00320 | .00080 | -.00440 | -9.94000 | .00000 |
| .948 | 16.110 | .77830 | .09910 | .72020 | .31110 | .03060 | -.00550 | .00050 | -.00570 | -9.91000 | -.03000 |
| .950 | 18.080 | .88530 | .09820 | .81110 | .36820 | .02860 | -.00580 | .00040 | -.00230 | -10.02000 | .04000 |
| | GRADIENT | .06805 | -.00083 | .06600 | -.00204 | -.01123 | .00008 | -.00014 | -.00006 | -.00852 | .00151 |

ARC 200-1 11(LA77) OV101 (R28006) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 12/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -2.070 | -.32320 | .15430 | -.31740 | .16590 | .17300 | .00090 | .00070 | -.00090 | -9.97000 | .00000 |
| 1.047 | -.120 | -.19010 | .15270 | -.18980 | .15310 | .14920 | .00080 | .00050 | -.00110 | -9.99000 | -.03000 |
| 1.047 | 1.910 | -.05190 | .15310 | -.05690 | .15130 | .12420 | .00040 | .00000 | -.00090 | -9.99000 | -.02000 |
| 1.047 | 3.000 | .02340 | .15340 | .01530 | .15440 | .10900 | .00050 | .00010 | -.00110 | -10.00000 | -.01000 |
| 1.048 | 3.930 | .08190 | .15290 | .07120 | .15820 | .09880 | .00030 | -.00010 | -.00100 | -10.00000 | -.01000 |
| 1.047 | 4.920 | .14220 | .15250 | .12860 | .16410 | .08970 | .00060 | -.00010 | -.00100 | -9.99000 | -.02000 |
| 1.048 | 5.930 | .20020 | .15150 | .18350 | .17130 | .08280 | .00010 | -.00030 | -.00100 | -9.98000 | -.02000 |
| 1.047 | 6.900 | .25720 | .15060 | .23730 | .18040 | .07650 | .00090 | -.00100 | -.00150 | -9.99000 | -.01000 |
| 1.045 | 7.870 | .32340 | .14890 | .30000 | .19170 | .06380 | .00050 | -.00090 | -.00140 | -9.99000 | -.02000 |
| 1.047 | 8.900 | .39300 | .14640 | .36570 | .20540 | .05120 | -.00110 | -.00050 | -.00100 | -9.99000 | -.02000 |
| 1.046 | 9.920 | .45730 | .14460 | .42550 | .22120 | .04280 | -.00090 | -.00050 | -.00110 | -9.99000 | -.02000 |
| 1.045 | 11.890 | .58250 | .14140 | .54090 | .25840 | .02670 | -.00250 | -.00010 | -.00040 | -9.99000 | -.03000 |
| 1.047 | 13.890 | .69050 | .13910 | .63690 | .30070 | .02010 | -.00150 | -.00030 | -.00120 | -9.99000 | -.03000 |
| 1.046 | 15.880 | .79970 | .13770 | .73150 | .35130 | .01320 | -.00250 | -.00070 | -.00100 | -9.98000 | -.03000 |
| 1.044 | 17.850 | .91000 | .13620 | .82440 | .40860 | .00600 | -.00820 | .00050 | .00140 | -10.02000 | -.02000 |
| 1.046 | 19.900 | 1.03190 | .13050 | .92580 | .47390 | -.00850 | -.00850 | .00160 | .00140 | -10.00000 | -.01000 |
| | GRADIENT | .06699 | -.00017 | .06424 | -.00019 | -.01215 | -.00007 | -.00012 | -.00001 | -.00323 | -.00084 |

ARC 200-1 11(LA77) OV101 (R2B007) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 48/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.950 | -.31460 | .09970 | -.31100 | .11030 | .14230 | -.02130 | .01530 | .00930 | -10.09000 | 5.02000 |
| .900 | .040 | -.19550 | .09960 | -.19560 | .09950 | .13230 | -.02110 | .01510 | .00900 | -10.10000 | 5.02000 |
| .901 | 2.010 | -.07570 | .09700 | -.07900 | .09430 | .12080 | -.02080 | .01480 | .00830 | -10.09000 | 5.04000 |
| .899 | 3.030 | -.01270 | .09470 | -.01770 | .09380 | .11250 | -.02040 | .01420 | .00780 | -10.08000 | 5.02000 |
| .899 | 3.980 | .04760 | .09260 | .04100 | .09560 | .10430 | -.02020 | .01290 | .00740 | -10.06000 | 5.00000 |
| .899 | 5.020 | .10990 | .09160 | .10150 | .10080 | .09870 | -.01990 | .01150 | .00710 | -10.07000 | 5.01000 |
| .900 | 5.950 | .16890 | .08950 | .15870 | .10650 | .09010 | -.01950 | .01020 | .00690 | -10.05000 | 5.00000 |
| .898 | 7.020 | .22560 | .08660 | .21340 | .11350 | .08590 | -.01890 | .00840 | .00660 | -10.07000 | 5.02000 |
| .900 | 7.990 | .27920 | .08680 | .26440 | .12470 | .08370 | -.01840 | .00720 | .00640 | -10.07000 | 5.04000 |
| .899 | 9.000 | .33000 | .08490 | .31270 | .13550 | .08340 | -.01690 | .00440 | .00560 | -10.04000 | 5.04000 |
| .899 | 10.010 | .38520 | .08390 | .36470 | .14960 | .08110 | -.01760 | .00490 | .00580 | -10.05000 | 5.03000 |
| .900 | 12.020 | .48910 | .08250 | .46120 | .18260 | .07740 | -.01690 | .00550 | .00600 | -10.05000 | 5.05000 |
| .898 | 13.980 | .58880 | .08320 | .55120 | .22300 | .07140 | -.01410 | .00600 | .00500 | -10.08000 | 5.03000 |
| .899 | 16.020 | .68900 | .08600 | .63850 | .27280 | .06580 | -.01240 | .00810 | .00410 | -10.08000 | 5.03000 |
| .899 | 18.050 | .77990 | .08620 | .71480 | .32360 | .06750 | -.00590 | .00730 | .00140 | -10.08000 | 5.02000 |
| .899 | 20.030 | .87560 | .08710 | .79280 | .38170 | .07680 | -.00560 | .00810 | .00060 | -10.08000 | 5.03000 |
| | GRADIENT | .06099 | -.00122 | .05928 | -.00258 | -.00633 | .00019 | -.00035 | -.00033 | .00469 | -.00173 |

RUN NO. 318/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.930 | -.32840 | .12160 | -.32410 | .13260 | .16950 | -.02910 | .01750 | .01300 | -10.09000 | 5.00000 |
| .949 | .040 | -.20480 | .12060 | -.20480 | .12040 | .15520 | -.02950 | .01810 | .01290 | -10.10000 | 5.01000 |
| .949 | 2.040 | -.07560 | .11650 | -.07970 | .11390 | .13610 | -.02870 | .01770 | .01210 | -10.11000 | 5.01000 |
| .949 | 4.060 | .06170 | .11440 | .05350 | .11850 | .11250 | -.02800 | .01570 | .01150 | -10.11000 | 5.01000 |
| .949 | 6.080 | .20150 | .11050 | .18860 | .13120 | .08670 | -.02550 | .01240 | .01040 | -10.08000 | 5.02000 |
| .947 | 8.140 | .33050 | .10720 | .31190 | .15290 | .06940 | -.02450 | .01100 | .00890 | -10.07000 | 5.01000 |
| .949 | 10.100 | .45070 | .10470 | .42540 | .18210 | .05530 | -.02430 | .01140 | .00740 | -10.09000 | 5.03000 |
| .948 | 12.090 | .56080 | .10240 | .52690 | .21760 | .04560 | -.02030 | .00740 | .00580 | -9.98000 | 5.02000 |
| .948 | 14.110 | .68010 | .10290 | .63440 | .26560 | .03140 | -.01520 | .00880 | .00290 | -10.07000 | 5.01000 |
| .950 | 16.160 | .78460 | .10160 | .72540 | .31600 | .02740 | -.01090 | .01030 | -.00060 | -10.07000 | 4.99000 |
| .948 | 18.100 | .88510 | .10000 | .81020 | .37010 | .02740 | -.01480 | .01190 | -.00080 | -10.10000 | 5.00000 |
| | GRADIENT | .06508 | -.00129 | .06300 | -.00244 | -.00952 | .00021 | -.00029 | -.00027 | -.00350 | .00150 |

ARC 200-1 11(LA77) OV101 (R2B007) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 13/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -2.070 | -.32140 | .15790 | -.31550 | .16940 | .16860 | -.03240 | .01560 | .01470 | -10.06000 | 4.98000 |
| 1.046 | -.130 | -.19060 | .15570 | -.19020 | .15610 | .14650 | -.03270 | .01500 | .01450 | -10.08000 | 4.99000 |
| 1.045 | 1.890 | -.05160 | .15510 | -.05670 | .15330 | .12110 | -.03180 | .01330 | .01380 | -10.07000 | 4.98000 |
| 1.047 | 2.880 | .01620 | .15510 | .00830 | .15570 | .10750 | -.03160 | .01260 | .01360 | -10.07000 | 4.98000 |
| 1.046 | 3.920 | .08560 | .15500 | .07480 | .16050 | .09430 | -.03160 | .01240 | .01370 | -10.09000 | 4.99000 |
| 1.047 | 4.910 | .14710 | .15470 | .13330 | .16670 | .08400 | -.03240 | .01250 | .01380 | -10.11000 | 5.01000 |
| 1.045 | 5.920 | .20810 | .15440 | .19100 | .17500 | .07610 | -.03190 | .01230 | .01360 | -10.08000 | 4.98000 |
| 1.046 | 6.900 | .26820 | .15300 | .24790 | .18410 | .06690 | -.03170 | .01170 | .01320 | -10.10000 | 5.01000 |
| 1.047 | 7.860 | .33040 | .15120 | .30660 | .19500 | .05680 | -.03060 | .01090 | .01300 | -10.10000 | 5.02000 |
| 1.045 | 8.890 | .39340 | .14960 | .36560 | .20860 | .04930 | -.03070 | .01020 | .01290 | -10.09000 | 5.01000 |
| 1.047 | 9.910 | .45800 | .14750 | .42580 | .22410 | .04050 | -.03050 | .00960 | .01290 | -10.09000 | 5.01000 |
| 1.044 | 11.870 | .57920 | .14410 | .53720 | .26020 | .02750 | -.02710 | .00770 | .01190 | -10.08000 | 5.01000 |
| 1.044 | 13.870 | .68880 | .14180 | .63480 | .30280 | .01940 | -.01740 | .00870 | .00760 | -10.08000 | 5.03000 |
| 1.045 | 15.870 | .79950 | .13990 | .73080 | .35320 | .01170 | -.01200 | .00810 | .00490 | -10.08000 | 5.00000 |
| 1.046 | 17.830 | .90580 | .13680 | .82040 | .40760 | .00540 | -.01060 | .00810 | .00460 | -10.07000 | 5.01000 |
| 1.046 | 19.890 | 1.03340 | .13320 | .92640 | .47690 | -.00940 | -.01490 | .01020 | .00590 | -10.07000 | 5.01000 |
| | GRADIENT | .06753 | -.00040 | .06473 | -.00036 | -.01234 | .00009 | -.00051 | -.00016 | -.00530 | .00265 |

ARC 200-1 11(LA77) OV101 (R2B008) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = 5.000 SPOBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 36/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.970 | -.31470 | .10030 | -.31110 | .11110 | .13440 | -.11310 | .01240 | .02180 | -10.12000 | 5.04000 |
| .901 | .030 | -.19440 | .09990 | -.19440 | .09990 | .12330 | -.11170 | .01040 | .02120 | -10.12000 | 5.03000 |
| .899 | 2.020 | -.07450 | .09660 | -.07820 | .09390 | .11130 | -.09780 | .00900 | .02390 | -10.13000 | 5.03000 |
| .900 | 3.040 | -.00930 | .09490 | -.01430 | .09430 | .10350 | -.10150 | .00740 | .02230 | -10.12000 | 5.02000 |
| .898 | 4.020 | .05490 | .09180 | .04840 | .09540 | .09410 | -.09380 | .00590 | .02320 | -10.11000 | 5.00000 |
| .900 | 5.010 | .11780 | .08890 | .10960 | .09880 | .08630 | -.10610 | .00320 | .01880 | -10.06000 | 4.97000 |
| .899 | 5.970 | .17590 | .08650 | .16590 | .10430 | .08110 | -.10660 | .00010 | .01710 | -10.09000 | 4.98000 |
| .900 | 7.010 | .23810 | .08480 | .22600 | .11320 | .07560 | -.10590 | -.00160 | .01630 | -10.04000 | 4.96000 |
| .900 | 8.030 | .29040 | .08490 | .27570 | .12460 | .07590 | -.08340 | -.00370 | .02050 | -10.03000 | 4.98000 |
| .899 | 9.020 | .33740 | .08280 | .32030 | .13470 | .07610 | -.08720 | -.00470 | .01910 | -10.02000 | 4.99000 |
| .901 | 10.020 | .39260 | .08330 | .37210 | .15030 | .07410 | -.10570 | -.00590 | .01520 | -10.00000 | 4.99000 |
| .899 | 12.070 | .49830 | .08080 | .47030 | .18320 | .06810 | -.10470 | -.00670 | .01370 | -10.05000 | 4.99000 |
| .898 | 14.090 | .60240 | .08270 | .56410 | .22690 | .06330 | -.10370 | -.00670 | .01130 | -10.09000 | 4.99000 |
| .900 | 16.050 | .69370 | .08430 | .64340 | .27280 | .06060 | -.10020 | -.00340 | .00630 | -10.10000 | 5.02000 |
| .900 | 18.040 | .78060 | .08260 | .71670 | .32030 | .06780 | -.08960 | -.00320 | -.00170 | -10.09000 | 5.02000 |
| .901 | 20.090 | .87610 | .08540 | .79340 | .38110 | .07920 | -.07770 | -.00430 | -.00620 | -10.10000 | 5.03000 |
| | GRADIENT | .06147 | -.00140 | .05978 | -.00269 | -.00658 | .00327 | -.00104 | .00028 | .00086 | -.00552 |

RUN NO. 14/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.110 | -.33400 | .16390 | -.32780 | .17600 | .16720 | -.11640 | .01160 | .02430 | -10.06000 | 5.02000 |
| 1.047 | -.140 | -.20230 | .16150 | -.20190 | .16200 | .14450 | -.11600 | .00710 | .02430 | -10.05000 | 5.01000 |
| 1.047 | 1.900 | -.05950 | .16020 | -.06480 | .15810 | .11930 | -.11520 | .00290 | .02380 | -10.09000 | 5.04000 |
| 1.047 | 2.880 | .00950 | .15970 | .00140 | .16000 | .10580 | -.11350 | .00160 | .02320 | -10.07000 | 5.02000 |
| 1.045 | 3.920 | .07960 | .15960 | .06850 | .16470 | .09320 | -.11290 | .00080 | .02280 | -10.08000 | 5.02000 |
| 1.046 | 4.920 | .14550 | .15870 | .13130 | .17060 | .08210 | -.11220 | .00080 | .02260 | -10.08000 | 5.01000 |
| 1.046 | 5.940 | .21090 | .15760 | .19350 | .17850 | .07190 | -.11170 | .00040 | .02220 | -10.09000 | 5.02000 |
| 1.048 | 6.920 | .27110 | .15710 | .25020 | .18860 | .06410 | -.11190 | .00020 | .02240 | -10.09000 | 5.01000 |
| 1.046 | 7.890 | .32870 | .15700 | .30400 | .20070 | .05880 | -.11250 | .00050 | .02280 | -10.09000 | 5.02000 |
| 1.045 | 8.940 | .39430 | .15600 | .36530 | .21540 | .05110 | -.11190 | -.00020 | .02300 | -10.09000 | 5.02000 |
| 1.047 | 9.930 | .45540 | .15390 | .42200 | .23020 | .04380 | -.11110 | -.00050 | .02290 | -10.09000 | 5.01000 |
| 1.046 | 11.920 | .57840 | .14920 | .53510 | .26540 | .03040 | -.10510 | -.00410 | .02030 | -10.09000 | 5.01000 |
| 1.045 | 13.940 | .69190 | .14510 | .63660 | .30750 | .02030 | -.09860 | -.00480 | .01650 | -10.08000 | 5.00000 |
| 1.045 | 15.940 | .80110 | .13990 | .73180 | .35450 | .01370 | -.09360 | -.00420 | .01240 | -10.08000 | 5.00000 |
| 1.046 | 17.900 | .91210 | .13500 | .82650 | .40880 | .00580 | -.09150 | -.00130 | .00950 | -10.07000 | 5.00000 |
| 1.046 | 19.920 | 1.01620 | .13230 | .91040 | .47060 | .00180 | -.08380 | -.00140 | .00350 | -10.06000 | 5.00000 |
| | GRADIENT | .06859 | -.00069 | .06571 | -.00077 | -.01226 | .00063 | -.00161 | -.00027 | -.00382 | -.00028 |

ARC 200-1 !!(LA77) OV101 (R2B009) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 37/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.970 | -.32490 | .09650 | -.32140 | .10760 | .14400 | -.08620 | -.00210 | .01050 | -9.99000 | -.02000 |
| .901 | .010 | -.20570 | .09670 | -.20570 | .09670 | .13310 | -.08510 | -.00410 | .01020 | -10.00000 | -.02000 |
| .900 | 2.020 | -.08430 | .09500 | -.08760 | .09200 | .12140 | -.08470 | -.00620 | .01010 | -10.01000 | -.01000 |
| .900 | 3.010 | -.02070 | .09260 | -.02550 | .09140 | .11220 | -.08410 | -.00710 | .00970 | -10.03000 | -.01000 |
| .899 | 3.970 | .04190 | .08940 | .03560 | .09210 | .10290 | -.08420 | -.00810 | .00920 | -9.96000 | -.02000 |
| .900 | 5.010 | .10920 | .08790 | .10110 | .09700 | .09490 | -.08300 | -.00990 | .00860 | -9.98000 | -.02000 |
| .899 | 5.960 | .16900 | .08710 | .15910 | .10420 | .08940 | -.08510 | -.01040 | .00840 | -9.98000 | -.02000 |
| .903 | 7.040 | .22960 | .08630 | .21730 | .11380 | .08640 | -.08440 | -.01010 | .00810 | -9.97000 | -.02000 |
| .900 | 8.000 | .28110 | .08330 | .26680 | .12150 | .08220 | -.08510 | -.01140 | .00730 | -9.98000 | -.02000 |
| .899 | 8.990 | .33070 | .08250 | .31370 | .13320 | .08330 | -.08600 | -.01050 | .00760 | -9.97000 | -.02000 |
| .899 | 10.010 | .38420 | .08200 | .36410 | .14750 | .08170 | -.08590 | -.01110 | .00730 | -9.97000 | -.02000 |
| .901 | 12.060 | .49240 | .08230 | .46440 | .18340 | .07630 | -.08760 | -.01160 | .00600 | -9.98000 | .00000 |
| .900 | 14.050 | .59260 | .08360 | .55460 | .22500 | .07130 | -.08970 | -.01190 | .00400 | -9.99000 | -.02000 |
| .900 | 16.070 | .68580 | .08360 | .63590 | .27010 | .06820 | -.08730 | -.00980 | -.00070 | -9.98000 | -.01000 |
| .900 | 18.080 | .77020 | .08120 | .70690 | .31620 | .07490 | -.08160 | -.00950 | -.00750 | -9.97000 | .00000 |
| .900 | 20.030 | .86110 | .08400 | .78030 | .37390 | .08540 | -.07530 | -.01110 | -.01090 | -9.98000 | -.01000 |
| | GRADIENT | .06155 | -.00112 | .05990 | -.00262 | -.00677 | .00034 | -.00101 | -.00019 | -.00161 | .00097 |

RUN NO. 319/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -2.010 | -.34960 | .11760 | -.34520 | .12980 | .17540 | -.08970 | -.00350 | .01170 | -9.95000 | .01000 |
| .948 | .010 | -.21930 | .11900 | -.21930 | .11900 | .16020 | -.08900 | -.00650 | .01180 | -9.94000 | .00000 |
| .948 | 2.020 | -.08370 | .11540 | -.08770 | .11240 | .13770 | -.08780 | -.00930 | .01160 | -9.94000 | -.02000 |
| .949 | 4.050 | .06060 | .11320 | .05240 | .11720 | .11050 | -.08630 | -.01130 | .01130 | -9.96000 | .00000 |
| .948 | 6.020 | .19510 | .10890 | .18260 | .12870 | .08770 | -.08520 | -.01190 | .01130 | -9.95000 | -.02000 |
| .950 | 8.010 | .31480 | .10430 | .29720 | .14710 | .07310 | -.08420 | -.01140 | .01140 | -9.93000 | .00000 |
| .947 | 10.000 | .43450 | .10050 | .41050 | .17440 | .05830 | -.08340 | -.01170 | .00800 | -9.94000 | .01000 |
| .950 | 12.030 | .56170 | .09900 | .52880 | .21390 | .04200 | -.08150 | -.01400 | .01120 | -9.94000 | .02000 |
| .947 | 13.960 | .64710 | .09540 | .60500 | .24870 | .04170 | -.08050 | -.01250 | .00960 | -9.93000 | .01000 |
| .950 | 15.980 | .76630 | .09700 | .71000 | .30430 | .02920 | -.07250 | -.01460 | .00630 | -9.93000 | .02000 |
| .949 | 18.000 | .87330 | .09580 | .80100 | .36100 | .02790 | -.06470 | -.01630 | .00340 | -9.93000 | .03000 |
| | GRADIENT | .06767 | -.00083 | .06560 | -.00220 | -.01076 | .00056 | -.00130 | -.00007 | -.00149 | -.00247 |

ARC 200-1 11(LA77) OV101 (R2B009) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 15/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.080 | -.33200 | .15850 | -.32600 | .17050 | .17130 | -.09190 | -.00490 | .01240 | -10.06000 | .02000 |
| 1.047 | -.130 | -.19790 | .15690 | -.19760 | .15730 | .14740 | -.09110 | -.00900 | .01230 | -10.10000 | .04000 |
| 1.046 | 1.910 | -.05760 | .15690 | -.06280 | .15490 | .12210 | -.09030 | -.01180 | .01230 | -10.09000 | .02000 |
| 1.047 | 2.890 | .00980 | .15650 | .00190 | .15680 | .10930 | -.08920 | -.01250 | .01170 | -10.10000 | .03000 |
| 1.047 | 3.920 | .07460 | .15640 | .06370 | .16110 | .09910 | -.08910 | -.01230 | .01190 | -10.10000 | .03000 |
| 1.045 | 4.920 | .13430 | .15610 | .12040 | .16700 | .09150 | -.08970 | -.01200 | .01210 | -10.11000 | .04000 |
| 1.046 | 5.930 | .19720 | .15510 | .18010 | .17460 | .08260 | -.08970 | -.01200 | .01190 | -10.10000 | .03000 |
| 1.047 | 6.920 | .26240 | .15440 | .24190 | .18490 | .07200 | -.09020 | -.01120 | .01220 | -10.10000 | .03000 |
| 1.046 | 7.900 | .32320 | .15430 | .29900 | .19720 | .06450 | -.09170 | -.01040 | .01290 | -10.10000 | .03000 |
| 1.046 | 8.950 | .39190 | .15300 | .36330 | .21210 | .05470 | -.09170 | -.01080 | .01320 | -10.10000 | .03000 |
| 1.048 | 9.940 | .45470 | .15100 | .42180 | .22720 | .04530 | -.09130 | -.01160 | .01320 | -10.11000 | .03000 |
| 1.046 | 11.920 | .57730 | .14700 | .53450 | .26310 | .03120 | -.08700 | -.01470 | .01130 | -10.10000 | .03000 |
| 1.042 | 13.940 | .69350 | .14290 | .63860 | .30570 | .02120 | -.08370 | -.01390 | .00820 | -10.10000 | .03000 |
| 1.046 | 15.950 | .80160 | .13690 | .73310 | .35190 | .01400 | -.08250 | -.01360 | .00550 | -10.09000 | .03000 |
| 1.045 | 17.900 | .91160 | .13250 | .82680 | .40620 | .00570 | -.08550 | -.01030 | .00460 | -10.08000 | .02000 |
| 1.045 | 19.920 | 1.02060 | .12820 | .91580 | .46830 | -.00040 | -.08040 | -.00980 | -.00020 | -10.09000 | .03000 |
| | GRADIENT | .06708 | -.00030 | .06426 | -.00047 | -.01168 | .00039 | -.00104 | -.00007 | -.00555 | .00145 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B010) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 39/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.270 | .24090 | .07700 | .23320 | .09790 | .01440 | .14100 | .00750 | -.02100 | -.01000 | .02000 |
| .900 | -4.190 | .23800 | .07680 | .23040 | .09730 | .01640 | .09600 | .00390 | -.01440 | .00000 | .00000 |
| .899 | -3.150 | .23630 | .07690 | .22860 | .09720 | .01910 | .07220 | .00250 | -.01090 | .01000 | -.01000 |
| .900 | -2.090 | .23400 | .07750 | .22640 | .09760 | .02240 | .04820 | .00130 | -.00740 | -.01000 | .00000 |
| .900 | -1.040 | .22860 | .07690 | .22100 | .09640 | .02510 | .02460 | -.00010 | -.00410 | -.01000 | .00000 |
| .899 | .020 | .22760 | .07680 | .22000 | .09630 | .02630 | .00140 | -.00150 | -.00110 | -.02000 | .00000 |
| .900 | 1.060 | .22930 | .07700 | .22170 | .09670 | .02520 | -.02130 | -.00270 | .00170 | -.01000 | -.01000 |
| .900 | 2.110 | .22980 | .07620 | .22220 | .09600 | .02360 | -.04490 | -.00390 | .00500 | -.02000 | -.01000 |
| .901 | 3.150 | .23750 | .07720 | .22990 | .09770 | .01940 | -.07040 | -.00500 | .00900 | -.01000 | -.01000 |
| .899 | 4.210 | .23540 | .07520 | .22790 | .09540 | .01670 | -.09240 | -.00640 | .01240 | -.01000 | -.02000 |
| .899 | 6.300 | .23440 | .07660 | .22680 | .09670 | .01180 | -.14040 | -.00860 | .01950 | -.01000 | -.03000 |
| .900 | 8.400 | .23660 | .07810 | .22890 | .09840 | .01390 | -.18390 | -.01260 | .02660 | -.01000 | -.03000 |
| | GRADIENT | -.00023 | -.00013 | -.00022 | -.00014 | .00007 | -.02244 | -.00122 | .00313 | -.00191 | -.00174 |

RUN NO. 17/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -6.270 | .29500 | .14370 | .28090 | .16950 | -.00510 | .11280 | .01410 | -.01460 | .00000 | -.01000 |
| 1.046 | -4.200 | .29160 | .14150 | .27790 | .16670 | -.00620 | .07080 | .00870 | -.00770 | -.02000 | .00000 |
| 1.046 | -3.150 | .29120 | .14110 | .27760 | .16630 | -.00660 | .05160 | .00650 | -.00550 | -.03000 | .00000 |
| 1.046 | -2.080 | .28820 | .14040 | .27460 | .16550 | -.00410 | .03390 | .00410 | -.00370 | -.02000 | -.01000 |
| 1.046 | -1.040 | .28580 | .13970 | .27240 | .16440 | -.00410 | .01670 | .00170 | -.00230 | -.01000 | -.01000 |
| 1.044 | .020 | .28580 | .13980 | .27240 | .16450 | -.00390 | -.00040 | -.00080 | -.00110 | -.01000 | -.01000 |
| 1.045 | 1.050 | .28680 | .14020 | .27330 | .16510 | -.00420 | -.01770 | -.00310 | .00010 | -.01000 | -.01000 |
| 1.046 | 2.130 | .28560 | .14120 | .27200 | .16590 | -.00400 | -.03520 | -.00350 | .00160 | -.01000 | -.01000 |
| 1.046 | 3.160 | .28520 | .14180 | .27150 | .16640 | -.00430 | -.05320 | -.00810 | .00320 | -.01000 | .00000 |
| 1.046 | 4.220 | .28280 | .14270 | .26910 | .16710 | -.00380 | -.07210 | -.01070 | .00540 | -.01000 | -.01000 |
| 1.046 | 6.320 | .28230 | .14570 | .26830 | .17000 | -.00450 | -.11700 | -.01510 | .01240 | -.01000 | -.02000 |
| 1.045 | 8.410 | .28130 | .14670 | .26720 | .17100 | .00300 | -.16330 | -.02010 | .02190 | -.02000 | .00000 |
| | GRADIENT | -.00091 | .00014 | -.00092 | .00005 | .00026 | -.01677 | -.00230 | .00145 | .00190 | -.00064 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B011) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 40/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -6.270 | .24290 | .07740 | .23510 | .09850 | .01410 | .14080 | .00760 | -.02100 | -.01000 | .02000 |
| .900 | -4.180 | .24070 | .07650 | .23300 | .09740 | .01650 | .09480 | .00380 | -.01400 | .00000 | .01000 |
| .899 | -3.130 | .23450 | .07540 | .22700 | .09570 | .02040 | .07010 | .00250 | -.01040 | -.01000 | .02000 |
| .900 | -2.080 | .23690 | .07750 | .22920 | .09800 | .02230 | .04780 | .00120 | -.00730 | .00000 | .01000 |
| .899 | -1.040 | .23260 | .07750 | .22500 | .09750 | .02480 | .02470 | -.00020 | -.00410 | .01000 | .00000 |
| .900 | .020 | .22940 | .07790 | .22180 | .09740 | .02500 | .00150 | -.00170 | -.00120 | .01000 | .00000 |
| .900 | 1.080 | .22940 | .07720 | .22190 | .09680 | .02470 | -.02220 | -.00270 | .00190 | .01000 | .01000 |
| .900 | 2.160 | .23410 | .07780 | .22650 | .09780 | .02200 | -.04640 | -.00360 | .00540 | .01000 | .00000 |
| .899 | 3.200 | .23630 | .07650 | .22870 | .09680 | .01980 | -.07050 | -.00490 | .00910 | .01000 | .00000 |
| .899 | 4.250 | .23620 | .07560 | .22880 | .09580 | .01610 | -.09380 | -.00630 | .01280 | .02000 | .01000 |
| .900 | 6.280 | .23370 | .07680 | .22620 | .09680 | .01190 | -.12610 | -.00780 | .02360 | .00000 | .00000 |
| .899 | 8.280 | .23680 | .07760 | .22910 | .09790 | .01430 | -.15660 | -.01120 | .03270 | .00000 | -.01000 |
| | GRADIENT | -.00034 | -.00000 | -.00032 | -.00007 | -.00007 | -.02230 | -.00118 | .00311 | .00252 | -.00110 |

RUN NO. 18/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -6.270 | .29660 | .14390 | .28250 | .16990 | -.00500 | .11250 | .01400 | -.01450 | -.01000 | .01000 |
| 1.047 | -4.180 | .29340 | .14150 | .27960 | .16710 | -.00650 | .07000 | .00850 | -.00750 | .00000 | .01000 |
| 1.045 | -3.130 | .29260 | .14110 | .27890 | .16660 | -.00620 | .05100 | .00630 | -.00550 | -.01000 | .00000 |
| 1.047 | -2.080 | .29170 | .14040 | .27800 | .16580 | -.00520 | .03370 | .00410 | -.00350 | -.01000 | -.01000 |
| 1.046 | -1.040 | .28860 | .13970 | .27510 | .16460 | -.00420 | .01650 | .00150 | -.00230 | -.01000 | -.01000 |
| 1.047 | .020 | .28490 | .14000 | .27150 | .16450 | -.00420 | -.00110 | -.00090 | -.00110 | .00000 | -.02000 |
| 1.046 | 1.080 | .28530 | .14020 | .27190 | .16470 | -.00400 | -.01810 | -.00330 | .00010 | .00000 | -.01000 |
| 1.045 | 2.160 | .28450 | .14120 | .27100 | .16560 | -.00320 | -.03620 | -.00560 | .00170 | .00000 | .00000 |
| 1.046 | 3.240 | .28430 | .14160 | .27080 | .16600 | -.00390 | -.05410 | -.00810 | .00330 | -.01000 | .01000 |
| 1.047 | 4.250 | .28130 | .14260 | .26770 | .16680 | -.00340 | -.07250 | -.01060 | .00550 | -.01000 | .00000 |
| 1.047 | 6.350 | .28170 | .14550 | .26780 | .16980 | -.00430 | -.11780 | -.01510 | .01250 | .00000 | .00000 |
| 1.048 | 8.420 | .28300 | .14650 | .26890 | .17100 | .00210 | -.16300 | -.02020 | .02070 | -.01000 | .00000 |
| | GRADIENT | -.00143 | .00013 | -.00140 | -.00005 | .00037 | -.01671 | -.00227 | .00144 | -.00016 | .00017 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B012) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 41/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -6.270 | .12870 | .08740 | .12050 | .09840 | .08710 | .13000 | .01260 | -.01640 | -9.99000 | -.01000 |
| .900 | -4.200 | .11970 | .08810 | .11150 | .09820 | .09280 | .08700 | .00830 | -.01040 | -9.99000 | -.02000 |
| .900 | -3.160 | .11660 | .08760 | .10850 | .09750 | .09500 | .06400 | .00650 | -.00750 | -9.99000 | -.02000 |
| .898 | -2.100 | .11480 | .08860 | .10660 | .09830 | .09810 | .04240 | .00490 | -.00500 | -9.99000 | -.02000 |
| .901 | -1.040 | .11070 | .08950 | .10250 | .09880 | .09990 | .02210 | .00290 | -.00280 | -9.99000 | -.02000 |
| .900 | .000 | .10900 | .08940 | .10080 | .09860 | .09990 | .00160 | .00070 | -.00090 | -9.99000 | -.02000 |
| .900 | 1.050 | .11030 | .08900 | .10200 | .09840 | .09910 | -.01880 | -.00130 | .00100 | -9.99000 | -.02000 |
| .899 | 2.100 | .11160 | .08970 | .10330 | .09910 | .09880 | -.04050 | -.00350 | .00330 | -9.99000 | -.02000 |
| .901 | 3.130 | .11160 | .08790 | .10350 | .09740 | .09700 | -.06110 | -.00630 | .00580 | -9.99000 | -.02000 |
| .899 | 4.160 | .11070 | .08920 | .10250 | .09860 | .09630 | -.08320 | -.00950 | .00870 | -9.99000 | -.02000 |
| .900 | 6.280 | .11160 | .08840 | .10340 | .09780 | .08960 | -.12950 | -.01260 | .01520 | -9.98000 | -.01000 |
| .899 | 8.390 | .11920 | .08810 | .11100 | .09820 | .08820 | -.17260 | -.01620 | .02150 | -9.99000 | -.02000 |
| | GRADIENT | -.00092 | .00011 | -.00093 | .00004 | .00033 | -.02011 | -.00208 | .00218 | .00000 | -.00000 |

RUN NO. 320/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.310 | .13710 | .11040 | .12690 | .12200 | .09450 | .13710 | .01550 | -.02150 | -9.97000 | .02000 |
| .951 | -4.240 | .13370 | .11120 | .12350 | .12240 | .09640 | .09340 | .01000 | -.01460 | -9.98000 | -.01000 |
| .948 | -3.200 | .13320 | .10840 | .12320 | .11960 | .09830 | .06970 | .00680 | -.01050 | -9.96000 | .05000 |
| .949 | -2.140 | .13190 | .10970 | .12180 | .12070 | .10030 | .04810 | .00400 | -.00740 | -9.96000 | .03000 |
| .950 | -1.090 | .13000 | .11040 | .12000 | .12120 | .10110 | .02620 | .00130 | -.00440 | -9.97000 | .02000 |
| .948 | -.020 | .12950 | .11030 | .11950 | .12110 | .10160 | .00400 | -.00130 | -.00170 | -9.98000 | .02000 |
| .950 | 1.010 | .13060 | .11010 | .12050 | .12110 | .10060 | -.01780 | -.00350 | .00120 | -9.98000 | .04000 |
| .949 | 2.070 | .13050 | .11080 | .12030 | .12170 | .10010 | -.04050 | -.00600 | .00430 | -9.99000 | .00000 |
| .949 | 3.110 | .12780 | .11030 | .11770 | .12100 | .10030 | -.06320 | -.00900 | .00750 | -10.00000 | .01000 |
| .949 | 4.160 | .12490 | .11080 | .11480 | .12120 | .09870 | -.08620 | -.01210 | .01130 | -9.96000 | .02000 |
| .949 | 6.250 | .12370 | .11140 | .11360 | .12170 | .09480 | -.13420 | -.01660 | .01910 | -9.96000 | .02000 |
| .948 | 8.340 | .12360 | .11200 | .11340 | .12230 | .09760 | -.17660 | -.02170 | .02540 | -9.96000 | .02000 |
| | GRADIENT | -.00085 | .00010 | -.00085 | .00002 | .00023 | -.02123 | -.00255 | .00296 | -.00175 | -.00064 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28012) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 19/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -6.280 | .15390 | .15670 | .13960 | .16960 | .08640 | .12890 | .01490 | -.01970 | -9.99000 | .02000 |
| 1.044 | -4.200 | .14940 | .15540 | .13540 | .16780 | .08660 | .08740 | .00980 | -.01390 | -9.98000 | .02000 |
| 1.048 | -3.160 | .14950 | .15430 | .13560 | .16660 | .08630 | .06480 | .00710 | -.01020 | -9.97000 | .03000 |
| 1.046 | -2.100 | .14710 | .15400 | .13330 | .16610 | .08890 | .04240 | .00460 | -.00660 | -9.97000 | .03000 |
| 1.045 | -1.040 | .14660 | .15310 | .13280 | .16520 | .08900 | .02120 | .00210 | -.00370 | -9.97000 | .03000 |
| 1.048 | .030 | .14670 | .15250 | .13300 | .16460 | .08840 | -.00010 | -.00050 | -.00120 | -9.97000 | .04000 |
| 1.044 | 1.070 | .14520 | .15320 | .13130 | .16520 | .09000 | -.02010 | -.00310 | .00120 | -9.97000 | .04000 |
| 1.048 | 2.140 | .14650 | .15360 | .13270 | .16570 | .08780 | -.04280 | -.00600 | .00440 | -9.97000 | .04000 |
| 1.045 | 3.170 | .14440 | .15480 | .13050 | .16670 | .08940 | -.06450 | -.00930 | .00770 | -9.97000 | .04000 |
| 1.047 | 4.220 | .14210 | .15560 | .12810 | .16730 | .08870 | -.08730 | -.01280 | .01150 | -9.97000 | .04000 |
| 1.046 | 6.330 | .14310 | .15800 | .12890 | .16970 | .08650 | -.13380 | -.01680 | .01800 | -9.97000 | .04000 |
| 1.047 | 8.430 | .15220 | .15780 | .13790 | .17040 | .08660 | -.17500 | -.02190 | .02380 | -9.97000 | .02000 |
| | GRADIENT | -.00074 | .00002 | -.00075 | -.00004 | .00026 | -.02052 | -.00262 | .00288 | .00063 | .00221 |

ARC 200-1 !!(LA77) OV10! + TO - BETA (R2B013) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 42/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.270 | .13000 | .08810 | .12170 | .09930 | .08730 | .13050 | .01270 | -.01640 | -9.99000 | -.02000 |
| .899 | -4.180 | .12230 | .08740 | .11410 | .09790 | .09220 | .08610 | .00820 | -.01030 | -9.99000 | -.02000 |
| .901 | -3.140 | .11970 | .08950 | .11130 | .09970 | .09590 | .06420 | .00660 | -.00760 | -9.99000 | -.02000 |
| .900 | -2.080 | .11790 | .08930 | .10950 | .09930 | .09810 | .04240 | .00480 | -.00490 | -9.99000 | -.02000 |
| .899 | -1.030 | .11200 | .08900 | .10370 | .09850 | .09940 | .02160 | .00270 | -.00280 | -9.99000 | -.02000 |
| .900 | .020 | .10860 | .09010 | .10030 | .09920 | .10040 | .00140 | .00080 | -.00080 | -9.99000 | -.02000 |
| .899 | 1.090 | .10860 | .08960 | .10040 | .09870 | .09980 | -.01930 | -.00130 | .00110 | -9.99000 | -.02000 |
| .901 | 2.180 | .10870 | .08930 | .10060 | .09840 | .09870 | -.04110 | -.00350 | .00340 | -9.99000 | -.02000 |
| .898 | 3.220 | .11040 | .08720 | .10240 | .09640 | .09670 | -.06210 | -.00630 | .00590 | -9.99000 | -.02000 |
| .902 | 4.290 | .11020 | .08930 | .10200 | .09860 | .09610 | -.08420 | -.00970 | .00880 | -9.99000 | -.01000 |
| .899 | 6.360 | .11070 | .08930 | .10250 | .09860 | .09020 | -.12790 | -.01270 | .01590 | -9.99000 | -.01000 |
| .899 | 8.400 | .11850 | .08870 | .11030 | .09870 | .08860 | -.17310 | -.01640 | .02170 | -9.99000 | -.02000 |
| | GRADIENT | -.00154 | .00002 | -.00151 | -.00014 | .00031 | -.01994 | -.00206 | .00216 | -.00000 | .00063 |

RUN NO. 20/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -6.280 | .15560 | .15650 | .14130 | .16950 | .08600 | .12880 | .01460 | -.01970 | -9.98000 | .01000 |
| 1.045 | -4.180 | .15250 | .15500 | .13840 | .16770 | .08610 | .08690 | .00950 | -.01390 | -9.98000 | .00000 |
| 1.047 | -3.140 | .15250 | .15430 | .13840 | .16700 | .08630 | .06340 | .00710 | -.01010 | -9.98000 | .01000 |
| 1.046 | -2.080 | .15270 | .15370 | .13870 | .16650 | .08690 | .04200 | .00460 | -.00680 | -9.97000 | .01000 |
| 1.046 | -1.050 | .15100 | .15280 | .13720 | .16530 | .08790 | .02060 | .00210 | -.00360 | -9.97000 | .01000 |
| 1.047 | .020 | .14580 | .15230 | .13220 | .16430 | .08910 | -.00060 | -.00050 | -.00120 | -9.97000 | .01000 |
| 1.046 | 1.080 | .14540 | .15280 | .13170 | .16480 | .08870 | -.02150 | -.00310 | .00130 | -9.97000 | .01000 |
| 1.046 | 2.170 | .14550 | .15380 | .13170 | .16570 | .08860 | -.04370 | -.00600 | .00430 | -9.96000 | .02000 |
| 1.047 | 3.230 | .14190 | .15460 | .12810 | .16620 | .09000 | -.06600 | -.00960 | .00780 | -9.96000 | .02000 |
| 1.048 | 4.270 | .14320 | .15540 | .12930 | .16720 | .08770 | -.08830 | -.01290 | .01120 | -9.97000 | .03000 |
| 1.046 | 6.360 | .14410 | .15800 | .12990 | .16990 | .08620 | -.13400 | -.01690 | .01790 | -9.98000 | .04000 |
| 1.046 | 8.430 | .15120 | .15790 | .13690 | .17050 | .08700 | -.17600 | -.02210 | .02380 | -9.97000 | .02000 |
| | GRADIENT | -.00140 | .00004 | -.00137 | -.00010 | .00034 | -.02050 | -.00261 | .00285 | .00189 | .00268 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B014) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 43/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.260 | .12220 | .08890 | .11380 | .09940 | .09130 | .10690 | .02350 | -.00730 | -10.08000 | 5.02000 |
| .900 | -4.190 | .11720 | .09020 | .10890 | .10010 | .09360 | .06310 | .01930 | -.00140 | -10.08000 | 5.02000 |
| .899 | -3.140 | .11440 | .08850 | .10620 | .09820 | .09410 | .04120 | .01740 | .00120 | -10.08000 | 5.01000 |
| .900 | -2.080 | .11450 | .09030 | .10610 | .10000 | .09650 | .01980 | .01560 | .00350 | -10.09000 | 5.01000 |
| .900 | -1.030 | .11380 | .09010 | .10540 | .09980 | .09620 | .00010 | .01390 | .00550 | -10.09000 | 5.01000 |
| .900 | .000 | .11360 | .09060 | .10510 | .10030 | .09540 | -.02050 | .01220 | .00750 | -10.08000 | 5.01000 |
| .899 | 1.060 | .11340 | .09090 | .10500 | .10050 | .09560 | -.04110 | .01000 | .00950 | -10.09000 | 5.01000 |
| .899 | 2.140 | .11370 | .08940 | .10540 | .09900 | .09380 | -.06290 | .00760 | .01210 | -10.08000 | 5.01000 |
| .901 | 3.170 | .11660 | .08940 | .10840 | .09930 | .09140 | -.08510 | .00520 | .01500 | -10.08000 | 5.02000 |
| .898 | 4.220 | .11710 | .08840 | .10890 | .09820 | .08680 | -.10740 | .00310 | .01820 | -10.08000 | 5.01000 |
| .900 | 6.280 | .12070 | .09050 | .11240 | .10060 | .08000 | -.15270 | .00120 | .02590 | -10.08000 | 5.01000 |
| .900 | 8.400 | .12290 | .09090 | .11450 | .10130 | .07990 | -.19720 | -.00230 | .03160 | -10.09000 | 5.01000 |
| | GRADIENT | .00007 | -.00009 | .00008 | -.00009 | -.00065 | -.02009 | -.00192 | .00223 | .00032 | -.00016 |

RUN NO. 21/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -6.280 | .15780 | .15760 | .14330 | .17080 | .08500 | .10110 | .02800 | -.00700 | -10.09000 | 5.03000 |
| 1.045 | -4.200 | .15380 | .15790 | .13940 | .17070 | .08510 | .05460 | .02270 | .00120 | -10.09000 | 5.03000 |
| 1.047 | -3.160 | .15600 | .15660 | .14180 | .16950 | .08280 | .03040 | .02020 | .00540 | -10.10000 | 5.04000 |
| 1.046 | -2.090 | .15550 | .15480 | .14150 | .16770 | .08330 | .00860 | .01760 | .00850 | -10.10000 | 5.04000 |
| 1.047 | -1.040 | .15420 | .15420 | .14030 | .16690 | .08210 | -.01250 | .01470 | .01150 | -10.10000 | 5.03000 |
| 1.047 | .030 | .15300 | .15430 | .13910 | .16690 | .08190 | -.03260 | .01200 | .01360 | -10.11000 | 5.05000 |
| 1.045 | 1.070 | .15490 | .15510 | .14080 | .16790 | .08140 | -.05180 | .00950 | .01540 | -10.10000 | 5.03000 |
| 1.046 | 2.140 | .15330 | .15610 | .13920 | .16880 | .08180 | -.07230 | .00690 | .01770 | -10.10000 | 5.04000 |
| 1.045 | 3.170 | .15350 | .15750 | .13930 | .17020 | .08160 | -.09240 | .00390 | .02010 | -10.10000 | 5.04000 |
| 1.046 | 4.220 | .14660 | .15880 | .13230 | .17080 | .08230 | -.11180 | .00060 | .02260 | -10.10000 | 5.04000 |
| 1.045 | 6.320 | .14790 | .15970 | .13360 | .17190 | .08030 | -.15480 | -.00390 | .02800 | -10.10000 | 5.04000 |
| 1.047 | 8.430 | .15170 | .15970 | .13730 | .17220 | .08240 | -.19390 | -.01030 | .03330 | -10.07000 | 5.05000 |
| | GRADIENT | -.00063 | .00015 | -.00063 | .00009 | -.00029 | -.01953 | -.00259 | .00240 | -.00063 | .00063 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R28015) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 44/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -6.260 | .12170 | .08840 | .11340 | .09880 | .09080 | .10670 | .02350 | -.00730 | -10.08000 | 5.02000 |
| .900 | -4.170 | .11750 | .08840 | .10920 | .09840 | .09300 | .06210 | .01910 | -.00120 | -10.08000 | 5.01000 |
| .901 | -3.140 | .11600 | .09030 | .10770 | .10010 | .09510 | .04070 | .01730 | .00130 | -10.08000 | 5.01000 |
| .899 | -2.070 | .11670 | .09020 | .10830 | .10010 | .09630 | .01940 | .01580 | .00360 | -10.08000 | 5.01000 |
| .900 | -1.030 | .11560 | .09030 | .10730 | .10010 | .09620 | -.00030 | .01390 | .00570 | -10.08000 | 5.01000 |
| .898 | .030 | .11190 | .08970 | .10380 | .09900 | .09530 | -.02060 | .01220 | .00740 | -10.08000 | 5.01000 |
| .900 | 1.100 | .11150 | .09030 | .10330 | .09960 | .09540 | -.04180 | .01000 | .00960 | -10.08000 | 5.01000 |
| .900 | 2.160 | .11120 | .09060 | .10290 | .09990 | .09490 | -.06470 | .00750 | .01240 | -10.08000 | 5.01000 |
| .898 | 3.220 | .11510 | .08910 | .10690 | .09880 | .09180 | -.08580 | .00520 | .01520 | -10.07000 | 5.02000 |
| .901 | 4.260 | .11620 | .08970 | .10790 | .09950 | .08720 | -.10830 | .00310 | .01880 | -10.07000 | 5.02000 |
| .900 | 6.260 | .12050 | .09070 | .11220 | .10080 | .08030 | -.13360 | .00210 | .03080 | -10.08000 | 5.01000 |
| .899 | 8.400 | .12390 | .09150 | .11550 | .10200 | .07990 | -.19740 | -.00230 | .03180 | -10.08000 | 5.01000 |
| | GRADIENT | -.00036 | .00004 | -.00035 | -.00001 | -.00058 | -.02005 | -.00191 | .00226 | .00110 | .00110 |

RUN NO. 22/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -6.280 | .15630 | .15760 | .14180 | .17080 | .08590 | .10210 | .02760 | -.00740 | -10.07000 | 5.01000 |
| 1.046 | -4.190 | .15690 | .15770 | .14260 | .17080 | .08400 | .05350 | .02240 | .00140 | -10.07000 | 5.02000 |
| 1.047 | -3.140 | .15610 | .15660 | .14180 | .16960 | .08420 | .03040 | .01970 | .00500 | -10.08000 | 5.03000 |
| 1.047 | -2.080 | .15870 | .15470 | .14460 | .16800 | .08250 | .00790 | .01720 | .00850 | -10.07000 | 5.02000 |
| 1.045 | -1.040 | .15560 | .15430 | .14160 | .16720 | .08300 | -.01240 | .01450 | .01130 | -10.08000 | 5.03000 |
| 1.046 | .020 | .15290 | .15430 | .13900 | .16690 | .08220 | -.03280 | .01190 | .01350 | -10.05000 | 5.01000 |
| 1.046 | 1.080 | .15330 | .15490 | .13930 | .16750 | .08160 | -.05220 | .00920 | .01530 | -10.06000 | 5.01000 |
| 1.047 | 2.160 | .15350 | .15620 | .13950 | .16880 | .08130 | -.07320 | .00660 | .01770 | -10.06000 | 5.02000 |
| 1.045 | 3.200 | .15030 | .15760 | .13620 | .16990 | .08240 | -.09300 | .00340 | .02000 | -10.08000 | 5.03000 |
| 1.048 | 4.270 | .14940 | .15820 | .13520 | .17050 | .08100 | -.11200 | .00020 | .02210 | -10.05000 | 5.01000 |
| 1.046 | 6.360 | .14780 | .15970 | .13350 | .17190 | .08040 | -.15550 | -.00420 | .02810 | -10.08000 | 5.03000 |
| 1.047 | 8.410 | .15170 | .15960 | .13730 | .17220 | .08260 | -.19070 | -.01030 | .03440 | -10.08000 | 5.03000 |
| | GRADIENT | -.00095 | .00014 | -.00093 | .00003 | -.00033 | -.01945 | -.00259 | .00237 | .00189 | -.00095 |

ARC 200-1 11(LA77) OV101 (R2B016) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = -10.000 SPOBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 49/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | AILRON | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | ALPHA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.950 | .11930 | .09190 | .11080 | .10200 | .09130 | .03270 | -.01580 | -.01310 | -10.02000 | 5.02000 |
| .899 | -6.000 | .11370 | .09120 | .10530 | .10090 | .09450 | .02730 | -.01300 | -.01110 | -10.06000 | 5.02000 |
| .897 | -4.990 | .11540 | .09080 | .10700 | .10060 | .09450 | .02410 | -.01120 | -.00970 | -10.08000 | 5.02000 |
| .900 | -2.990 | .11270 | .09010 | .10440 | .09960 | .09720 | .01520 | -.00630 | -.00530 | -10.07000 | 5.02000 |
| .899 | -1.000 | .11140 | .09020 | .10310 | .09960 | .09950 | .00590 | -.00140 | -.00270 | -10.07000 | 5.03000 |
| .899 | .010 | .11.00 | .08940 | .10280 | .09880 | .09980 | .00190 | .00100 | -.00100 | -10.01000 | 5.03000 |
| .898 | 1.010 | .10770 | .08880 | .09950 | .09790 | .10100 | -.00270 | .00370 | .00080 | -10.09000 | 5.02000 |
| .898 | 3.040 | .10720 | .09000 | .09900 | .09910 | .10110 | -.01100 | .00760 | .00380 | -10.13000 | 5.02000 |
| .900 | 5.080 | .10940 | .09110 | .10100 | .10030 | .09950 | -.02030 | .01150 | .00710 | -10.16000 | 5.02000 |
| | GRADIENT | -.00104 | -.00015 | -.00102 | -.00024 | .00085 | -.00439 | .00238 | .00170 | -.00430 | .00016 |

RUN NO. 23/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | AILRON | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | ALPHA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -6.970 | .15680 | .15760 | .14260 | .17060 | .07870 | .04240 | -.01900 | -.02060 | -10.03000 | 4.95000 |
| 1.047 | -5.990 | .15290 | .15620 | .13880 | .16860 | .08130 | .03640 | -.01600 | -.01810 | -10.08000 | 4.95000 |
| 1.047 | -5.000 | .15370 | .15500 | .13970 | .16770 | .08180 | .03190 | -.01370 | -.01600 | -10.09000 | 4.95000 |
| 1.046 | -2.970 | .14740 | .15340 | .13360 | .16560 | .08740 | .01930 | -.00810 | -.00980 | -10.10000 | 4.95000 |
| 1.047 | -.980 | .14940 | .15240 | .13570 | .16470 | .08750 | .00710 | -.00340 | -.00450 | -10.10000 | 4.96000 |
| 1.046 | .000 | .14920 | .15220 | .13550 | .16450 | .08710 | .00000 | -.00080 | -.00160 | -9.98000 | 4.96000 |
| 1.047 | 1.030 | .14660 | .15220 | .13290 | .16430 | .08860 | -.00600 | .00150 | .00120 | -10.10000 | 4.96000 |
| 1.046 | 3.040 | .15030 | .15280 | .13660 | .16520 | .08560 | -.01960 | .00610 | .00730 | -10.11000 | 4.96000 |
| 1.046 | 5.060 | .15320 | .15430 | .13940 | .16690 | .08180 | -.03260 | .01180 | .01340 | -10.14000 | 4.95000 |
| | GRADIENT | -.00038 | -.00029 | -.00034 | -.00033 | .00045 | -.00640 | .00246 | .00287 | .00042 | .00154 |

ARC 200-1 11(LA77) OV101 (R2B017) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 24/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ELEVON | CN | CA | CL | CD | CLM | CY | CBL | CYN | AILRON | ALPHA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -10.080 | .14730 | .15280 | .13360 | .16490 | .08810 | -.00010 | -.00060 | -.00140 | .03000 | 4.95000 |
| 1.044 | -8.080 | .17250 | .14800 | .15900 | .16240 | .07240 | .00030 | -.00100 | -.00160 | .01000 | 4.97000 |
| 1.047 | -6.090 | .20660 | .14340 | .19340 | .16090 | .04920 | -.00080 | -.00050 | -.00100 | .00000 | 5.00000 |
| 1.045 | -4.070 | .23600 | .14090 | .22280 | .16100 | .02910 | -.00070 | -.00080 | -.00130 | -.01000 | 5.02000 |
| 1.047 | -2.070 | .26050 | .13950 | .24720 | .16180 | .01240 | -.00090 | -.00090 | -.00120 | -.02000 | 5.04000 |
| 1.046 | -1.050 | .27400 | .13940 | .26070 | .16290 | .00340 | -.00080 | -.00090 | -.00120 | -.02000 | 5.05000 |
| 1.046 | .010 | .28670 | .13970 | .27330 | .16440 | -.00480 | -.00050 | -.00080 | -.00100 | .00000 | 5.05000 |
| 1.045 | .930 | .29550 | .14060 | .28200 | .16610 | -.01160 | -.00070 | -.00080 | -.00110 | -.03000 | 5.06000 |
| 1.045 | 1.940 | .31010 | .14200 | .29630 | .16880 | -.02100 | -.00030 | -.00140 | -.00110 | -.04000 | 5.07000 |
| 1.048 | 3.980 | .33190 | .14510 | .31780 | .17390 | -.03710 | -.00030 | -.00090 | -.00110 | -.05000 | 5.08000 |
| 1.046 | 6.000 | .35570 | .14800 | .34120 | .17900 | -.05500 | -.00080 | -.00100 | -.00100 | -.07000 | 5.09000 |
| 1.048 | 7.970 | .38540 | .15360 | .37020 | .18730 | -.07690 | -.00140 | -.00150 | -.00080 | -.05000 | 5.10000 |
| 1.047 | 10.010 | .41400 | .15680 | .39840 | .19310 | -.09760 | -.00120 | -.00090 | -.00080 | -.08000 | 5.11000 |
| | GRADIENT | .01195 | .00054 | .01184 | .00163 | -.00821 | .00007 | -.00003 | .00003 | -.00494 | .00734 |

ARC 200-1 11(LA77) OV101 (R28018) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 25/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.950 | -.13310 | .06230 | -.13090 | .06680 | .03160 | -.00130 | -.00070 | -.00130 | .02000 | .00000 |
| .596 | -.020 | -.04380 | .06340 | -.04370 | .06340 | .03060 | -.00150 | -.00090 | -.00120 | .02000 | .00000 |
| .596 | 2.000 | .05050 | .06060 | .04830 | .06240 | .03010 | -.00180 | -.00110 | -.00130 | .02000 | .00000 |
| .596 | 3.010 | .09940 | .05780 | .09630 | .06290 | .02980 | -.00170 | -.00130 | -.00120 | .02000 | .00000 |
| .596 | 5.950 | .24210 | .04540 | .23600 | .07020 | .02740 | -.00160 | -.00130 | -.00140 | .00000 | -.01000 |
| .597 | 7.980 | .34640 | .03260 | .33850 | .08040 | .02470 | -.00310 | -.00150 | -.00150 | .01000 | -.01000 |
| .596 | 10.020 | .45150 | .01870 | .44140 | .09690 | .02450 | -.00240 | -.00200 | -.00150 | .00000 | .00000 |
| .596 | 11.010 | .50450 | .01180 | .49300 | .10800 | .02520 | -.00290 | -.00200 | -.00160 | .00000 | .00000 |
| .597 | 12.040 | .55760 | .00490 | .54430 | .12100 | .02560 | -.00330 | -.00200 | -.00160 | .00000 | -.01000 |
| .597 | 13.000 | .61310 | -.00080 | .59750 | .13720 | .02530 | -.00440 | -.00230 | -.00130 | -.01000 | .00000 |
| .597 | 14.000 | .67110 | .00040 | .65100 | .16270 | .02170 | -.00780 | .00060 | .00080 | .01000 | .00000 |
| .596 | 15.010 | .72600 | .00170 | .70080 | .18960 | .01960 | -.00550 | .00100 | -.00030 | .00000 | .00000 |
| .597 | 16.010 | .78010 | .00310 | .74900 | .21820 | .01790 | -.00480 | .00060 | -.00120 | .00000 | .00000 |
| .596 | 17.990 | .89130 | .01030 | .84450 | .28510 | .00980 | -.00530 | .00130 | -.00140 | .00000 | -.01000 |
| .597 | 19.980 | 1.02750 | .01270 | .96120 | .36310 | -.00470 | -.00740 | .00280 | -.00070 | .00000 | -.01000 |
| | GRADIENT | .04681 | -.00090 | .04572 | -.00080 | -.00035 | -.00009 | -.00012 | .00001 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R2B019) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 26/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.780 | .04880 | .07550 | .05120 | .07390 | -.05650 | -.00250 | -.00020 | -.00090 | 9.99000 | -.08000 |
| .597 | .100 | .13750 | .07570 | .13740 | .07590 | -.05770 | -.00220 | -.00050 | -.00070 | 9.99000 | -.08000 |
| .596 | 2.140 | .23450 | .07210 | .23160 | .08080 | -.05970 | -.00250 | -.00070 | -.00080 | 9.99000 | -.09000 |
| .597 | 3.980 | .32380 | .06570 | .31840 | .08800 | -.06100 | -.00290 | -.00090 | -.00080 | 9.98000 | -.10000 |
| .597 | 6.090 | .42900 | .05550 | .42070 | .10070 | -.06340 | -.00360 | -.00080 | -.00080 | 10.00000 | -.08000 |
| .597 | 7.990 | .53070 | .04380 | .51950 | .11720 | -.06830 | -.00400 | -.00090 | -.00070 | 10.00000 | -.08000 |
| .597 | 10.010 | .64460 | .02990 | .62960 | .14140 | -.07240 | -.00500 | -.00160 | -.00090 | 9.99000 | -.07000 |
| .596 | 11.040 | .70290 | .02300 | .68550 | .15710 | -.07360 | -.00510 | -.00180 | -.00100 | 10.00000 | -.08000 |
| .596 | 12.020 | .75840 | .01660 | .73830 | .17420 | -.07420 | -.00470 | -.00170 | -.00100 | 9.96000 | -.06000 |
| .597 | 12.990 | .81850 | .01380 | .79440 | .19740 | -.07690 | -.00690 | -.00200 | -.00030 | 9.96000 | -.03000 |
| .596 | 13.980 | .87170 | .01560 | .84220 | .22570 | -.07870 | -.00870 | .00240 | .00070 | 9.97000 | -.05000 |
| .596 | 14.960 | .91650 | .01880 | .88060 | .25470 | -.07710 | -.00600 | .00080 | -.00100 | 9.98000 | -.06000 |
| .596 | 15.960 | .95850 | .02190 | .91550 | .28450 | -.07590 | -.00720 | .00200 | -.00060 | 9.97000 | -.04000 |
| .596 | 17.950 | 1.07350 | .03130 | 1.01150 | .36060 | -.08610 | -.00700 | .00240 | -.00100 | 9.98000 | -.05000 |
| .596 | 19.940 | 1.20710 | .03260 | 1.12350 | .44240 | -.09700 | -.00790 | .00260 | -.00040 | 9.96000 | -.03000 |
| | GRADIENT | .04772 | -.00170 | .04636 | .00244 | -.00080 | -.00008 | -.00012 | .00001 | -.00154 | -.00363 |

ARC 200-1 11(LA77) OV101 (R2B020) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 27/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.920 | -.30060 | .06950 | -.29810 | .07950 | .11560 | -.00260 | .00110 | -.00120 | -9.99000 | -.01000 |
| .597 | -.050 | -.21340 | .07100 | -.21340 | .07120 | .11370 | -.00190 | .00070 | -.00120 | -9.99000 | -.01000 |
| .597 | 2.000 | -.11910 | .06880 | -.12140 | .06460 | .11400 | -.00210 | -.00030 | -.00130 | -10.00000 | -.01000 |
| .597 | 4.020 | -.02590 | .06290 | -.03030 | .06090 | .11390 | -.00260 | -.00070 | -.00130 | -10.00000 | -.01000 |
| .597 | 5.990 | .06850 | .05380 | .06250 | .06060 | .11320 | -.00250 | -.00050 | -.00130 | -10.01000 | -.01000 |
| .597 | 8.000 | .16530 | .04240 | .15780 | .06500 | .11220 | -.00280 | -.00040 | -.00120 | -10.01000 | .00000 |
| .597 | 10.010 | .26400 | .02910 | .25490 | .07450 | .11380 | -.00270 | -.00090 | -.00140 | -9.99000 | -.02000 |
| .597 | 10.990 | .31140 | .02240 | .30150 | .08140 | .11570 | -.00260 | -.00130 | -.00170 | -10.00000 | -.01000 |
| .597 | 12.010 | .36430 | .01590 | .35300 | .09140 | .11670 | -.00260 | -.00150 | -.00170 | -10.01000 | .00000 |
| .597 | 13.000 | .41810 | .00930 | .40530 | .10310 | .11730 | -.00340 | -.00180 | -.00170 | -10.01000 | .00000 |
| .597 | 14.000 | .47710 | .00680 | .46130 | .12200 | .11550 | -.00710 | -.00210 | .00010 | -10.02000 | .01000 |
| .596 | 14.930 | .53640 | .00690 | .51640 | .14550 | .11180 | -.00510 | -.00080 | -.00050 | -10.01000 | -.01000 |
| .597 | 16.030 | .59920 | .00630 | .57410 | .17160 | .10750 | -.00380 | -.00030 | -.00120 | -10.02000 | .00000 |
| .597 | 18.020 | .71130 | .00980 | .67340 | .22930 | .10120 | -.00410 | -.00030 | -.00170 | -10.01000 | -.01000 |
| .597 | 20.000 | .83850 | .01240 | .78360 | .29850 | .09010 | -.00550 | .00120 | -.00140 | -10.01000 | -.02000 |
| | GRADIENT | .04622 | -.00112 | .04506 | -.00313 | -.00024 | -.00001 | -.00032 | -.00002 | -.00202 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B021) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 28/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.940 | -.30120 | .07190 | -.29860 | .08210 | .11520 | -.01200 | .01540 | .00410 | -10.11000 | 5.02000 |
| .596 | -.030 | -.21200 | .07360 | -.21200 | .07370 | .11310 | -.01320 | .01530 | .00400 | -10.08000 | 5.03000 |
| .597 | 1.990 | -.11760 | .07120 | -.12000 | .06710 | .11240 | -.01430 | .01460 | .00390 | -10.08000 | 5.02000 |
| .597 | 3.990 | -.02140 | .06520 | -.02590 | .06350 | .11080 | -.01490 | .01430 | .00400 | -10.08000 | 5.03000 |
| .597 | 6.000 | .07430 | .05630 | .06800 | .06380 | .11020 | -.01560 | .01470 | .00410 | -10.08000 | 5.02000 |
| .597 | 7.960 | .17210 | .04470 | .16420 | .06810 | .10890 | -.01740 | .01530 | .00460 | -10.08000 | 5.02000 |
| .597 | 9.990 | .26960 | .03130 | .26010 | .07760 | .11010 | -.01800 | .01570 | .00490 | -10.08000 | 5.02000 |
| .597 | 11.010 | .32100 | .02450 | .31040 | .08540 | .11190 | -.01870 | .01550 | .00490 | -10.08000 | 5.02000 |
| .596 | 12.020 | .37220 | .01810 | .36020 | .09520 | .11310 | -.01970 | .01570 | .00500 | -10.08000 | 5.01000 |
| .596 | 12.990 | .42490 | .01150 | .41140 | .10670 | .11400 | -.02100 | .01590 | .00500 | -10.08000 | 5.01000 |
| .597 | 13.990 | .48550 | .00840 | .46900 | .12560 | .11140 | -.02330 | .01590 | .00630 | -10.09000 | 5.03000 |
| .597 | 14.990 | .54310 | .00880 | .52240 | .14900 | .10770 | -.02260 | .01700 | .00560 | -10.09000 | 5.03000 |
| .596 | 16.020 | .60400 | .00830 | .57820 | .17470 | .10430 | -.02100 | .01720 | .00480 | -10.08000 | 5.01000 |
| .597 | 18.000 | .71200 | .01220 | .67330 | .23160 | .09970 | -.02070 | .01700 | .00430 | -10.08000 | 5.02000 |
| .596 | 19.980 | .83670 | .01420 | .78150 | .29930 | .08940 | -.02200 | .01930 | .00440 | -10.07000 | 5.02000 |
| | GRADIENT | .04714 | -.00114 | .04594 | -.00314 | -.00070 | -.00049 | -.00020 | -.00002 | .00450 | .00100 |

ARC 200-1 11(LA77) OV101 (R2B022) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 29/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.940 | -.30230 | .06950 | -.29980 | .07970 | .11100 | -.08740 | .01370 | .01100 | -10.07000 | 5.01000 |
| .597 | .000 | -.20990 | .07170 | -.20990 | .07170 | .10850 | -.08830 | .01230 | .01110 | -10.06000 | 5.00000 |
| .597 | 2.020 | -.11510 | .07030 | -.11750 | .06620 | .10720 | -.08890 | .01060 | .01120 | -10.07000 | 5.01000 |
| .597 | 4.010 | -.01840 | .06550 | -.02290 | .06410 | .10510 | -.08980 | .00920 | .01130 | -10.08000 | 5.02000 |
| .597 | 6.000 | .07990 | .05690 | .07350 | .06490 | .10350 | -.09090 | .00780 | .01150 | -10.08000 | 5.02000 |
| .597 | 8.030 | .18100 | .04520 | .17290 | .07000 | .10310 | -.09280 | .00650 | .01240 | -10.08000 | 5.03000 |
| .597 | 10.030 | .27850 | .03070 | .26890 | .07880 | .10490 | -.09300 | .00460 | .01230 | -10.08000 | 5.02000 |
| .597 | 11.020 | .32840 | .02360 | .31790 | .08590 | .10480 | -.09330 | .00410 | .01240 | -10.08000 | 5.01000 |
| .597 | 12.060 | .38230 | .01610 | .37050 | .09560 | .10510 | -.09340 | .00340 | .01260 | -10.08000 | 5.01000 |
| .597 | 13.050 | .43670 | .00910 | .42340 | .10750 | .10490 | -.09420 | .00350 | .01250 | -10.08000 | 5.01000 |
| .597 | 14.050 | .49620 | .00400 | .48040 | .12430 | .10330 | -.09340 | .00440 | .01220 | -10.08000 | 5.01000 |
| .597 | 15.040 | .55710 | .00700 | .53620 | .15130 | .09690 | -.09500 | .00520 | .01270 | -10.09000 | 5.01000 |
| .597 | 16.060 | .61360 | .00730 | .58760 | .17680 | .09450 | -.09510 | .00550 | .01260 | -10.09000 | 5.01000 |
| .597 | 18.030 | .72380 | .00820 | .68570 | .23180 | .09160 | -.09670 | .00590 | .01310 | -10.09000 | 5.01000 |
| .597 | 20.000 | .83810 | .00890 | .78450 | .29510 | .08710 | -.09920 | .00610 | .01420 | -10.08000 | 5.01000 |
| | GRADIENT | .04763 | -.00068 | .04646 | -.00263 | -.00096 | -.00039 | -.00077 | .00005 | -.00203 | .00203 |

ARC 200-1 11(LA77) OV101 (R2B023) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 307 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -1.940 | -.30390 | .06740 | -.30150 | .07760 | .11310 | -.07580 | -.00040 | .00550 | -10.00000 | .01000 |
| .599 | -.010 | -.21270 | .06940 | -.21270 | .06940 | .11030 | -.07640 | -.00210 | .00560 | -10.00000 | .00000 |
| .599 | 2.060 | -.11690 | .06780 | -.11920 | .06360 | .11020 | -.07610 | -.00420 | .00540 | -10.01000 | .00000 |
| .599 | 3.990 | -.02620 | .06300 | -.03050 | .06100 | .10920 | -.07650 | -.00570 | .00530 | -10.01000 | .00000 |
| .599 | 6.000 | .07060 | .05420 | .06450 | .06130 | .10860 | -.07600 | -.00730 | .00530 | -10.01000 | .01000 |
| .599 | 7.990 | .15720 | .04290 | .15960 | .06500 | .10950 | -.07710 | -.00930 | .00550 | -10.01000 | .01000 |
| .599 | 9.990 | .26490 | .02890 | .25590 | .07440 | .11090 | -.07500 | -.01190 | .00510 | -10.02000 | .02000 |
| .599 | 11.040 | .32030 | .02140 | .31030 | .08230 | .11120 | -.07450 | -.01310 | .00490 | -10.00000 | .00000 |
| .598 | 12.090 | .37670 | .01400 | .36540 | .09260 | .11110 | -.07480 | -.01410 | .00500 | -10.00000 | .00000 |
| .599 | 13.070 | .42810 | .00730 | .41530 | .10390 | .11210 | -.07470 | -.01470 | .00490 | -10.00000 | .00000 |
| .599 | 14.070 | .48820 | .00380 | .47260 | .12240 | .10980 | -.07680 | -.01450 | .00600 | -9.09000 | -.01000 |
| .598 | 15.070 | .54820 | .00590 | .52790 | .14830 | .10430 | -.07740 | -.01220 | .00640 | -10.02000 | .01000 |
| .599 | 16.080 | .60460 | .00620 | .57920 | .17350 | .10100 | -.07790 | -.01170 | .00610 | -10.01000 | .01000 |
| .599 | 18.060 | .71840 | .00570 | .68090 | .22910 | .09590 | -.07900 | -.01110 | .00660 | -10.00000 | -.01000 |
| .598 | 20.020 | .83530 | .00780 | .78220 | .29340 | .09010 | -.09250 | -.01110 | .00770 | -10.02000 | .01000 |
| | GRADIENT | .04677 | -.00075 | .04564 | -.00280 | -.00059 | -.00009 | -.00031 | -.00004 | -.00203 | -.00150 |

ARC 200-1 11(LA77) OV101 (R2B024) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 31/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.960 | -.13240 | .06040 | -.13020 | .06490 | .02820 | -.07820 | -.00360 | .00600 | .00000 | .00000 |
| .599 | .030 | -.03980 | .06200 | -.03980 | .06200 | .02680 | -.07810 | -.00490 | .00610 | .01000 | .00000 |
| .599 | 2.030 | .05400 | .05990 | .05190 | .06180 | .02640 | -.07860 | -.00640 | .00620 | .01000 | .01000 |
| .598 | 3.960 | .14810 | .05450 | .14390 | .06460 | .02470 | -.07920 | -.00770 | .00620 | .01000 | .01000 |
| .599 | 5.970 | .24820 | .04520 | .24220 | .07080 | .02260 | -.07940 | -.00900 | .00630 | .00000 | .00000 |
| .599 | 7.990 | .35460 | .03260 | .34660 | .08160 | .02110 | -.07960 | -.01110 | .00670 | .00000 | .00000 |
| .597 | 10.000 | .45930 | .01800 | .44920 | .09750 | .02030 | -.07970 | -.01370 | .00660 | .00000 | .00000 |
| .599 | 10.980 | .51020 | .01110 | .49880 | .10810 | .01920 | -.07870 | -.01470 | .00660 | .00000 | .00000 |
| .599 | 12.030 | .56820 | .00380 | .55490 | .12210 | .01850 | -.07910 | -.01550 | .00650 | .00000 | .00000 |
| .598 | 13.050 | .62790 | -.00230 | .61220 | .13950 | .01720 | -.07920 | -.01510 | .00630 | .00000 | .00000 |
| .598 | 14.030 | .68380 | .00000 | .66340 | .16580 | .01310 | -.08180 | -.01160 | .00800 | .01000 | -.02000 |
| .598 | 15.050 | .73730 | .00270 | .71130 | .19410 | .01060 | -.08240 | -.01080 | .00760 | .02000 | -.02000 |
| .598 | 16.070 | .79530 | .00310 | .76340 | .22310 | .00810 | -.08310 | -.00980 | .00750 | .01000 | -.02000 |
| .598 | 18.030 | .89710 | .00680 | .85090 | .28410 | .00530 | -.08390 | -.00950 | .00800 | .00000 | -.01000 |
| .598 | 20.000 | 1.02240 | .00650 | .95850 | .35580 | -.00310 | -.08670 | -.01040 | .00900 | .01000 | -.01000 |
| | GRADIENT | .04733 | -.00100 | .04625 | -.00006 | -.00055 | -.00018 | -.00070 | .00004 | .00152 | .00203 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B025) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 32/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -6.140 | .21500 | .04700 | .21000 | .06580 | .01960 | .11070 | .00820 | -.01340 | .03000 | .00000 |
| .599 | -4.120 | .20710 | .04890 | .20210 | .06690 | .02270 | .07250 | .00440 | -.00860 | .03000 | -.01000 |
| .600 | -3.090 | .20270 | .04960 | .19750 | .06710 | .02450 | .05290 | .00300 | -.00670 | .03000 | -.01000 |
| .599 | -2.050 | .19850 | .05020 | .19330 | .06730 | .02730 | .03440 | .00200 | -.00470 | .01000 | .02000 |
| .598 | -1.020 | .19580 | .05000 | .19070 | .06680 | .02840 | .01610 | .00040 | -.00290 | .00000 | .02000 |
| .598 | .010 | .19450 | .05030 | .18940 | .06700 | .02880 | -.00290 | -.00130 | -.00130 | .00000 | .02000 |
| .599 | 1.040 | .19610 | .05040 | .19090 | .06740 | .02850 | -.02250 | -.00280 | .00070 | .00000 | .02000 |
| .599 | 2.070 | .19630 | .05050 | .19110 | .06740 | .02730 | -.04150 | -.00430 | .00250 | .00000 | .02000 |
| .599 | 3.100 | .19780 | .05010 | .19270 | .06720 | .02610 | -.06070 | -.00620 | .00440 | .00000 | .02000 |
| .599 | 4.140 | .19650 | .04980 | .19140 | .06680 | .02440 | -.08010 | -.00830 | .00630 | .00000 | .02000 |
| .600 | 6.170 | .20000 | .04860 | .19500 | .06580 | .01990 | -.12320 | -.01080 | .01160 | .00000 | .01000 |
| .599 | 8.260 | .21270 | .04600 | .20780 | .06440 | .01900 | -.16510 | -.01460 | .01760 | -.01000 | .01000 |
| | GRADIENT | -.00099 | .00010 | -.00099 | .00001 | .00019 | -.01844 | -.00152 | .00179 | -.00372 | .00339 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28026) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 33/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .600 | -6.130 | .03960 | .05600 | .03450 | .05930 | .10530 | .10540 | .00770 | -.01190 | -9.99000 | .00000 |
| .600 | -4.110 | .03010 | .05820 | .02490 | .06060 | .10800 | .06800 | .00430 | -.00760 | -9.99000 | .00000 |
| .600 | -3.090 | .02640 | .05860 | .02120 | .06070 | .10990 | .04880 | .00310 | -.00600 | -9.99000 | .01000 |
| .600 | -2.060 | .02310 | .05920 | .01780 | .06090 | .11240 | .03200 | .00200 | -.00420 | -9.99000 | .00000 |
| .599 | -1.020 | .02030 | .05920 | .01510 | .06070 | .11370 | .01530 | .00070 | -.00280 | -9.99000 | .00000 |
| .599 | .010 | .01850 | .05880 | .01340 | .06010 | .11410 | -.00350 | -.00090 | -.00120 | -9.99000 | .00000 |
| .600 | 1.050 | .02090 | .05920 | .01560 | .06080 | .11340 | -.02100 | -.00210 | .00030 | -9.99000 | .00000 |
| .599 | 2.090 | .02250 | .05950 | .01720 | .06130 | .11210 | -.03980 | -.00330 | .00190 | -10.00000 | .00000 |
| .599 | 3.110 | .02490 | .05920 | .01960 | .06110 | .11080 | -.05810 | -.00490 | .00360 | -10.00000 | .00000 |
| .599 | 4.110 | .02530 | .05910 | .02010 | .06110 | .10870 | -.07560 | -.00660 | .00520 | -10.00000 | .00000 |
| .599 | 6.200 | .02800 | .05770 | .02290 | .05990 | .10470 | -.11670 | -.00890 | .00990 | -10.00000 | .00000 |
| .599 | 8.260 | .03900 | .05470 | .03410 | .05790 | .10350 | -.15580 | -.01250 | .01530 | -10.00000 | .00000 |
| | GRADIENT | -.00039 | .00010 | -.00040 | .00007 | .00008 | -.01738 | -.00131 | .00154 | -.00146 | -.00049 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28027) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 34/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -6.130 | .04770 | .05940 | .04220 | .06340 | .10310 | .09130 | .02270 | -.00560 | -10.09000 | 5.03000 |
| .599 | -4.120 | .03770 | .06110 | .03220 | .06420 | .10580 | .05510 | .01950 | -.00160 | -10.09000 | 5.03000 |
| .600 | -3.090 | .03460 | .06100 | .02910 | .06380 | .10740 | .03660 | .01840 | -.00020 | -10.09000 | 5.03000 |
| .599 | -2.050 | .03140 | .06130 | .02590 | .06390 | .10960 | .01970 | .01710 | .00130 | -10.08000 | 5.02000 |
| .599 | -1.020 | .03010 | .06120 | .02460 | .06350 | .11030 | .00240 | .01580 | .00260 | -10.09000 | 5.01000 |
| .600 | .020 | .02700 | .06140 | .02160 | .06350 | .11030 | -.01530 | .01430 | .00410 | -10.09000 | 5.01000 |
| .599 | 1.050 | .02940 | .06200 | .02380 | .06430 | .10930 | -.03380 | .01300 | .00590 | -10.09000 | 5.01000 |
| .600 | 2.100 | .03090 | .06220 | .02540 | .06460 | .10760 | -.05340 | .01170 | .00760 | -10.09000 | 5.01000 |
| .599 | 3.110 | .03140 | .06170 | .02590 | .06420 | .10630 | -.07150 | .01000 | .00940 | -10.09000 | 5.01000 |
| .599 | 6.200 | .03470 | .05950 | .02940 | .06230 | .09920 | -.13200 | .00590 | .01620 | -10.09000 | 5.01000 |
| .599 | 8.260 | .04790 | .05690 | .04270 | .06090 | .09760 | -.17160 | .00250 | .02160 | -10.09000 | 5.01000 |
| | GRADIENT | -.00083 | .00014 | -.00083 | .00006 | .00004 | -.01743 | -.00131 | .00151 | -.00034 | -.00311 |

ARC 200-1 11(LA77) OV101 (R2B028) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = -10.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 35/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | AILRON | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | ALPHA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .600 | -6.950 | .04950 | .06440 | .04370 | .06850 | .10080 | .01530 | -.02150 | -.00950 | -10.05000 | 5.00000 |
| .601 | -5.990 | .04050 | .06340 | .03480 | .06660 | .10540 | .01130 | -.01810 | -.00800 | -10.07000 | 5.00000 |
| .600 | -5.020 | .03860 | .06220 | .03310 | .06530 | .10670 | .00940 | -.01570 | -.00700 | -10.08000 | 4.99000 |
| .600 | -3.000 | .02760 | .06070 | .02220 | .06290 | .11100 | .00380 | -.00950 | -.00460 | -10.08000 | 4.98000 |
| .599 | -.970 | .02130 | .05940 | .01610 | .06100 | .11400 | -.00080 | -.00370 | -.00240 | -10.09000 | 4.98000 |
| .600 | -.010 | .01980 | .05900 | .01460 | .06050 | .11410 | -.00340 | -.00100 | -.00130 | -9.98000 | 4.98000 |
| .600 | 1.030 | .01500 | .05950 | .00980 | .06060 | .11620 | -.00570 | .00210 | -.00020 | -10.11000 | 4.97000 |
| .600 | 3.040 | .01780 | .06030 | .01250 | .06160 | .11500 | -.00980 | .00820 | .00200 | -10.11000 | 4.98000 |
| .600 | 5.060 | .02600 | .06180 | .02050 | .06390 | .11120 | -.01510 | .01430 | .00420 | -10.14000 | 4.98000 |
| | GRADIENT | -.00177 | -.00005 | -.00176 | -.00021 | .00071 | -.00227 | .00293 | .00109 | -.00563 | -.00050 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B029) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 324/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .595 | -6.080 | .47850 | .01660 | .46830 | .09960 | .01090 | .11220 | .01440 | -.01330 | -.03000 | -.05000 |
| .595 | -4.070 | .46920 | .01680 | .45920 | .09810 | .01450 | .07430 | .00900 | -.00860 | -.04000 | -.06000 |
| .595 | -3.050 | .46650 | .01760 | .45640 | .09830 | .01640 | .05440 | .00660 | -.00650 | -.03000 | -.05000 |
| .595 | -2.040 | .46230 | .01810 | .45220 | .09800 | .01860 | .03650 | .00400 | -.00440 | -.03000 | -.05000 |
| .596 | -1.020 | .45890 | .01840 | .44880 | .09750 | .01920 | .01920 | .00120 | -.00260 | -.03000 | -.06000 |
| .596 | -.020 | .45730 | .01830 | .44720 | .09720 | .01930 | .00140 | -.00140 | -.00100 | -.03000 | -.06000 |
| .596 | .980 | .45750 | .01880 | .44730 | .09780 | .01940 | -.01480 | -.00380 | .00060 | -.03000 | -.05000 |
| .596 | 2.030 | .45990 | .01880 | .44960 | .09850 | .01900 | -.03400 | -.00640 | .00250 | -.02000 | -.04000 |
| .596 | 3.070 | .46100 | .01840 | .45080 | .09830 | .01800 | -.05300 | -.00930 | .00450 | -.02000 | -.04000 |
| .596 | 4.100 | .46080 | .01800 | .45070 | .09780 | .01620 | -.07220 | -.01250 | .00700 | -.02000 | -.04000 |
| .595 | 6.170 | .46080 | .01820 | .45060 | .09780 | .01120 | -.11560 | -.01690 | .01210 | -.03000 | -.05000 |
| .596 | 8.240 | .46950 | .01690 | .45940 | .09820 | .01160 | -.15500 | -.02170 | .01750 | -.03000 | -.06000 |
| | GRADIENT | -.00091 | .00015 | -.00093 | .00000 | .00020 | -.01771 | -.00261 | .00184 | .00213 | .00229 |

ARC 200-1 11(LA77) OV101 (R28030) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 325/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -.030 | -.03780 | .06320 | -.03780 | .06320 | .02700 | .00340 | -.00050 | -.00090 | -.02000 | -.04000 |
| .596 | 4.950 | .19930 | .05010 | .19430 | .06720 | .02500 | .00310 | -.00090 | -.00090 | -.01000 | -.04000 |
| .596 | 9.960 | .45740 | .01860 | .44730 | .09750 | .01910 | .00190 | -.00140 | -.00100 | .00000 | -.04000 |
| | GRADIENT | .04761 | -.00263 | .04661 | .00080 | -.00040 | -.00006 | -.00008 | .00000 | .00201 | .00000 |

RUN NO. 326/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | .000 | -.03020 | .07910 | -.03020 | .07910 | .03160 | .00220 | -.00040 | -.00090 | -.03000 | -.05000 |
| .900 | 4.980 | .23630 | .07720 | .22870 | .09740 | .02070 | .00300 | -.00180 | -.00170 | -.02000 | -.06000 |
| .900 | 10.000 | .48520 | .07320 | .46510 | .15640 | .01290 | .00020 | -.00180 | -.00130 | -.01000 | -.06000 |
| | GRADIENT | .05351 | -.00038 | .05199 | .00367 | -.00219 | .00016 | -.00028 | -.00016 | .00201 | -.00201 |

RUN NO. 327/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .920 | -.010 | -.02040 | .08670 | -.02040 | .08670 | .02430 | .00330 | -.00050 | -.00120 | -.01000 | -.07000 |
| .921 | 4.990 | .25490 | .08390 | .24660 | .10580 | .01180 | .00260 | -.00070 | -.00150 | .00000 | -.06000 |
| .921 | 9.960 | .50070 | .08040 | .47930 | .16580 | .00490 | .00150 | -.00180 | -.00240 | -.02000 | -.05000 |
| | GRADIENT | .05506 | -.00056 | .05340 | .00382 | -.00250 | -.00014 | -.00004 | -.00006 | .00200 | .00200 |

RUN NO. 328/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | .000 | -.03790 | .10280 | -.03790 | .10280 | .04070 | .00460 | -.00070 | -.00140 | -.02000 | -.06000 |
| .950 | 4.970 | .27110 | .09860 | .26160 | .12170 | .00250 | .00350 | -.00160 | -.00140 | -.01000 | -.05000 |
| .948 | 9.980 | .54790 | .09210 | .52360 | .18570 | -.01950 | .00220 | -.00180 | -.00300 | -.03000 | -.04000 |
| | GRADIENT | .06217 | -.00085 | .06026 | .00380 | -.00769 | -.00022 | -.00018 | .00000 | .00201 | .00201 |

RUN NO. 329/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .978 | -.030 | -.04640 | .11960 | -.04630 | .11970 | .05110 | .00280 | -.00060 | -.00120 | -.02000 | -.06000 |
| .980 | 4.980 | .27390 | .11900 | .26250 | .14230 | .00480 | .00170 | -.00160 | -.00110 | -.02000 | -.05000 |
| .981 | 9.990 | .56480 | .11540 | .53620 | .21150 | -.02850 | .00120 | -.00140 | -.00120 | -.04000 | -.05000 |
| | GRADIENT | .06393 | -.00012 | .06164 | .00451 | -.00924 | -.00022 | -.00020 | .00002 | .00000 | .00200 |

ARC 200-1 11(LA77) OV101 (R28030) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 330/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .999 | -.020 | -.04040 | .12870 | -.04040 | .12880 | .05020 | .00300 | -.00060 | -.00110 | -.02000 | -.07000 |
| .999 | 4.960 | .28120 | .12790 | .26910 | .15170 | .00140 | .00200 | -.00160 | -.00110 | -.03000 | -.06000 |
| 1.000 | 9.950 | .57050 | .12790 | .54030 | .22460 | -.03080 | .00050 | -.00150 | -.00130 | -.03000 | -.05000 |
| | GRADIENT | .06458 | -.00016 | .06215 | .00460 | -.00980 | -.00020 | -.00020 | .00000 | -.00201 | .00201 |

RUN NO. 331/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.016 | -.010 | -.03720 | .14240 | -.03720 | .14240 | .04950 | .00270 | -.00060 | -.00090 | -.02000 | -.07000 |
| 1.017 | 4.970 | .28790 | .14220 | .27450 | .16660 | -.00480 | .00200 | -.00150 | -.00110 | -.02000 | -.06000 |
| 1.019 | 9.950 | .57220 | .13590 | .54010 | .23270 | -.03490 | .00050 | -.00150 | -.00100 | -.03000 | -.04000 |
| | GRADIENT | .06528 | -.00004 | .06259 | .00486 | -.01090 | -.00014 | -.00018 | -.00004 | -.00000 | .00201 |

RUN NO. 332/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | .010 | -.03510 | .13960 | -.03510 | .13960 | .04860 | .00270 | -.00080 | -.00100 | -.02000 | -.06000 |
| 1.049 | 4.960 | .28630 | .14060 | .27300 | .16490 | -.00770 | .00180 | -.00150 | -.00110 | -.02000 | -.05000 |
| 1.047 | 9.960 | .56610 | .13310 | .53450 | .22900 | -.03530 | .00050 | -.00150 | -.00110 | -.02000 | -.04000 |
| | GRADIENT | .06493 | .00020 | .06224 | .00511 | -.01137 | -.00018 | -.00014 | -.00002 | .00000 | .00202 |

RUN NO. 333/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.115 | .000 | -.02360 | .14780 | -.02360 | .14780 | .04150 | .00340 | -.00040 | -.00150 | -.03000 | -.06000 |
| 1.115 | 4.960 | .28890 | .14720 | .27510 | .17160 | -.01740 | .00300 | -.00100 | -.00140 | -.03000 | -.04000 |
| 1.116 | 9.960 | .56100 | .13750 | .52880 | .23240 | -.04240 | .00100 | -.00090 | -.00120 | -.03000 | -.05000 |
| | GRADIENT | .06300 | -.00012 | .06022 | .00480 | -.01187 | -.00008 | -.00012 | .00002 | .00000 | .00403 |

RUN NO. 334/ 0 RN/L = 6.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.195 | .000 | -.00890 | .15150 | -.00890 | .15150 | .03100 | .00290 | -.00010 | -.00080 | -.02000 | -.06000 |
| 1.198 | 4.970 | .28540 | .14680 | .27160 | .17100 | -.02540 | .00180 | -.00040 | -.00080 | -.03000 | -.04000 |
| 1.196 | 9.950 | .55420 | .13650 | .52230 | .23020 | -.05150 | .00050 | -.00070 | -.00070 | -.03000 | -.05000 |
| | GRADIENT | .05922 | -.00095 | .05644 | .00392 | -.01135 | -.00022 | -.00006 | .00000 | -.00201 | .00402 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B031) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.750

RUN NO. 50/ 0 RN/L = 8.72 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.200 | .82050 | .09130 | .76910 | .30000 | -.03060 | .10990 | .02110 | -.01280 | .02000 | .02000 |
| .950 | -4.130 | .81250 | .09110 | .76140 | .29780 | -.03110 | .06900 | .01420 | -.00930 | .01000 | -.01000 |
| .949 | -3.080 | .81160 | .09150 | .76050 | .29800 | -.03120 | .04750 | .01080 | -.00700 | -.01000 | -.02000 |
| .948 | -2.030 | .80480 | .09030 | .75430 | .29500 | -.02800 | .02820 | .00750 | -.00550 | .01000 | -.03000 |
| .947 | -.970 | .80380 | .09040 | .75330 | .29470 | -.02800 | .01050 | .00410 | -.00470 | .03000 | -.05000 |
| .949 | .080 | .81490 | .09240 | .76330 | .30000 | -.03370 | -.00710 | .00090 | -.00450 | .00000 | -.03000 |
| .949 | 1.130 | .80490 | .09080 | .75420 | .29540 | -.03050 | -.02410 | -.00240 | -.00390 | .00000 | -.03000 |
| .948 | 2.110 | .81260 | .09120 | .76150 | .29800 | -.03370 | -.03280 | -.00790 | .00460 | .02000 | -.04000 |
| .949 | 3.180 | .81050 | .09020 | .75970 | .29660 | -.03330 | -.05470 | -.01120 | .00620 | -.01000 | -.01000 |
| .950 | 4.250 | .81640 | .09100 | .76510 | .29910 | -.03630 | -.07470 | -.01530 | .00790 | .00000 | -.03000 |
| .949 | 6.380 | .80420 | .08930 | .75390 | .29400 | -.03120 | -.11750 | -.02140 | .01010 | .00000 | -.02000 |
| .947 | 8.500 | .80560 | .08670 | .75580 | .29210 | -.02330 | -.15570 | -.02690 | .01170 | .03000 | .03000 |
| | GRADIENT | .00046 | -.00003 | .00044 | .00012 | -.00065 | -.01657 | -.00353 | .00206 | -.00080 | -.00080 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R28032) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.750

RUN NO. 51/ 0. RN/L = 8.71 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.260 | .80260 | .08660 | .75310 | .29060 | -.02410 | .11000 | .01890 | -.00500 | -.01000 | -.02000 |
| .949 | -4.200 | .80860 | .08990 | .75810 | .29540 | -.02930 | .07520 | .01180 | .00000 | .04000 | .02000 |
| .949 | -3.160 | .80900 | .09110 | .75810 | .29670 | -.03040 | .05620 | .00840 | .00090 | .03000 | .03000 |
| .951 | -2.110 | .81480 | .09220 | .76340 | .29950 | -.03170 | .03660 | .00480 | .00250 | .02000 | -.01000 |
| .949 | -1.060 | .80890 | .09150 | .75790 | .29720 | -.03090 | .01980 | .00190 | .00250 | .01000 | .01000 |
| .948 | .000 | .81380 | .09220 | .76230 | .29950 | -.03280 | .00250 | -.00130 | .00280 | .03000 | -.02000 |
| .950 | 1.070 | .81110 | .09160 | .75970 | .29850 | -.03280 | -.01420 | -.00470 | .00320 | .01000 | -.01000 |
| .949 | 2.140 | .82040 | .09240 | .76840 | .30190 | -.03590 | -.03430 | -.00770 | .00460 | .03000 | -.03000 |
| .949 | 3.210 | .81590 | .09090 | .76450 | .29910 | -.03470 | -.05490 | -.01130 | .00620 | .01000 | -.02000 |
| .948 | 4.280 | .82200 | .09180 | .77010 | .30170 | -.03720 | -.07510 | -.01540 | .00770 | .02000 | -.04000 |
| .947 | 6.420 | .80210 | .08890 | .75190 | .29300 | -.02980 | -.11830 | -.02150 | .01000 | .00000 | -.02000 |
| .949 | 8.500 | .81180 | .08790 | .76140 | .29500 | -.02560 | -.15530 | -.02730 | .01170 | .04000 | .00000 |
| | GRADIENT | .00138 | .00012 | .00124 | .00060 | -.00086 | -.01744 | -.00313 | .00081 | -.00188 | -.00707 |

ARC 200-I 1!(LA77) OV101 - TO + BETA (R2B033) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.750

RUN NO. 52/ 0 RN/L = 8.70 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.200 | .26820 | .10050 | .25810 | .12400 | .00980 | .13550 | .01200 | -.02320 | -.01000 | .01000 |
| .949 | -4.140 | .27650 | .09850 | .26660 | .12270 | .00280 | .08820 | .00810 | -.01450 | .01000 | -.01000 |
| .946 | -3.090 | .27820 | .09700 | .26850 | .12140 | .00140 | .06480 | .00590 | -.01040 | .00000 | .00000 |
| .949 | -2.050 | .28050 | .09970 | .27050 | .12430 | .00090 | .04180 | .00440 | -.00660 | .01000 | -.02000 |
| .949 | -1.010 | .27880 | .09770 | .26900 | .12220 | .00230 | .02240 | .00190 | -.00360 | .01000 | -.03000 |
| .948 | -.010 | .27690 | .09840 | .26710 | .12280 | .00280 | .00360 | -.00020 | -.00120 | -.03000 | .00000 |
| .950 | 1.030 | .27880 | .09810 | .26890 | .12270 | .00170 | -.01590 | -.00270 | .00120 | -.01000 | -.04000 |
| .949 | 2.080 | .27520 | .09790 | .26540 | .12200 | .00110 | -.03700 | -.00470 | .00400 | -.01000 | -.05000 |
| .950 | 3.130 | .27250 | .09750 | .26280 | .12120 | .00170 | -.05850 | -.00710 | .00730 | -.02000 | -.03000 |
| .947 | 4.200 | .26480 | .09740 | .25520 | .12020 | .00420 | -.08320 | -.00960 | .01190 | -.01000 | -.04000 |
| .950 | 6.330 | .25690 | .10250 | .24690 | .12460 | .00780 | -.13170 | -.01330 | .01970 | -.02000 | -.04000 |
| .950 | 8.420 | .25170 | .10330 | .24170 | .12500 | .01650 | -.17680 | -.01730 | .02700 | -.01000 | -.05000 |
| | GRADIENT | -.00120 | -.00010 | -.00118 | -.00024 | .00010 | -.02008 | -.00213 | .00296 | -.00319 | -.00450 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B034) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.750

RUN NO. 53/ 0 RN/L = 8.70 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -6.190 | .26930 | .10100 | .25920 | .12470 | .00930 | .13390 | .01210 | -.02280 | .01000 | .03000 |
| .949 | -4.110 | .27790 | .09930 | .26800 | .12370 | .00210 | .08620 | .00800 | -.01400 | .00000 | .04000 |
| .949 | -3.060 | .28050 | .09790 | .27070 | .12260 | .00040 | .06280 | .00610 | -.00990 | .03000 | .01000 |
| .950 | -2.030 | .28070 | .09720 | .27080 | .12190 | .00170 | .04180 | .00370 | -.00620 | .02000 | -.01000 |
| .951 | -1.000 | .28150 | .09920 | .27140 | .12410 | .00160 | .02180 | .00200 | -.00360 | .01000 | -.01000 |
| .949 | .000 | .27850 | .09930 | .26850 | .12380 | .00230 | .00260 | -.00030 | -.00120 | -.01000 | .00000 |
| .948 | 1.050 | .27680 | .09860 | .26700 | .12270 | .00140 | -.01690 | -.00250 | .00130 | -.01000 | -.02000 |
| .949 | 2.110 | .27390 | .09790 | .26420 | .12170 | .00130 | -.03770 | -.00480 | .00400 | .00000 | -.03000 |
| .949 | 3.160 | .27120 | .09840 | .26150 | .12180 | .00120 | -.05930 | -.00750 | .00740 | .00000 | -.04000 |
| .949 | 4.220 | .26680 | .09980 | .25710 | .12280 | .00280 | -.08170 | -.01030 | .01120 | .00000 | -.03000 |
| .949 | 6.350 | .25500 | .10220 | .24510 | .12400 | .00860 | -.13340 | -.01310 | .02000 | -.01000 | -.04000 |
| .950 | 8.430 | .25150 | .10350 | .24150 | .12520 | .01590 | -.17670 | -.01720 | .02670 | .00000 | -.04000 |
| | GRADIENT | -.00146 | .00007 | -.00143 | -.00013 | .00007 | -.01983 | -.00218 | .00286 | -.00239 | -.00770 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B035) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 6.000

RUN NO. 56/ 0 RN/L = 6.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .953 | -6.150 | .81630 | .09330 | .76370 | .30280 | -.03120 | .10990 | .02060 | -.01350 | .03000 | .00000 |
| .953 | -4.130 | .83110 | .09530 | .77730 | .30920 | -.03860 | .06840 | .01480 | -.00950 | .02000 | .01000 |
| .953 | -3.070 | .82710 | .09520 | .77350 | .30800 | -.03670 | .04820 | .01050 | -.00750 | .01000 | .01000 |
| .952 | -2.010 | .81620 | .09350 | .76350 | .30340 | -.03210 | .03080 | .00700 | -.00650 | .01000 | .01000 |
| .950 | -.950 | .81840 | .09520 | .76520 | .30570 | -.03430 | .01410 | .00360 | -.00650 | .03000 | -.01000 |
| .953 | .110 | .82150 | .09600 | .76780 | .30730 | -.03610 | -.00330 | .00120 | -.00630 | .02000 | .00000 |
| .952 | 1.180 | .81590 | .09470 | .76310 | .30410 | -.03440 | -.02100 | -.00170 | -.00540 | .02000 | -.01000 |
| .952 | 2.180 | .81780 | .09400 | .76520 | .30350 | -.03660 | -.03060 | -.00760 | .00350 | .03000 | -.02000 |
| .953 | 3.240 | .82180 | .09480 | .76890 | .30520 | -.03970 | -.05060 | -.01130 | .00490 | .02000 | -.02000 |
| .953 | 4.290 | .82490 | .09610 | .77160 | .30700 | -.04160 | -.07160 | -.01480 | .00710 | .02000 | -.01000 |
| .951 | 6.370 | .80400 | .09240 | .75270 | .29720 | -.03190 | -.11650 | -.02040 | .01040 | .01000 | .00000 |
| .952 | 8.420 | .81830 | .09180 | .76680 | .30010 | -.03100 | -.15010 | -.02410 | .01070 | .04000 | -.01000 |
| | GRADIENT | -.00064 | .00004 | -.00057 | -.00030 | -.00047 | -.01607 | -.00346 | .00197 | .00095 | -.00364 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R28036) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 6.000

RUN NO. 57/ 0 RN/L = 6.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -6.150 | .81750 | .09310 | .76490 | .30320 | -.03080 | .11060 | .02070 | -.01340 | .03000 | -.02000 |
| .952 | -4.060 | .82800 | .09520 | .77450 | .30800 | -.03760 | .06820 | .01490 | -.00970 | .03000 | -.03000 |
| .952 | -3.090 | .82700 | .09620 | .77320 | .30880 | -.03520 | .05570 | .00800 | .00080 | -.02000 | .02000 |
| .951 | -2.040 | .82120 | .09530 | .76790 | .30640 | -.03330 | .03950 | .00400 | .00140 | -.01000 | .01000 |
| .953 | -.990 | .81970 | .09590 | .76620 | .30670 | -.03460 | .02250 | .00100 | .00160 | .00000 | .00000 |
| .952 | .050 | .82300 | .09600 | .76920 | .30780 | -.03610 | .00630 | -.00180 | .00150 | .01000 | -.01000 |
| .955 | 1.120 | .82640 | .09590 | .77260 | .30860 | -.03830 | -.01190 | -.00440 | .00250 | .00000 | -.01000 |
| .955 | 2.190 | .83420 | .09680 | .78000 | .31130 | -.04180 | -.03090 | -.00740 | .00350 | -.01000 | -.01000 |
| .951 | 3.250 | .82340 | .09460 | .77030 | .30590 | -.03870 | -.05040 | -.01160 | .00490 | .02000 | -.02000 |
| .954 | 4.290 | .82370 | .09560 | .77050 | .30660 | -.04080 | -.07110 | -.01510 | .00680 | .01000 | -.01000 |
| .951 | 6.380 | .81380 | .09390 | .76160 | .30180 | -.03380 | -.11640 | -.02040 | .01050 | -.01000 | .00000 |
| .954 | 8.420 | .81800 | .09180 | .76640 | .30020 | -.03110 | -.14980 | -.02380 | .01070 | .02000 | .01000 |
| | GRADIENT | .00008 | -.00000 | .00010 | -.00004 | -.00070 | -.01669 | -.00328 | .00132 | .00067 | -.00147 |

ARC 200-1 II(LA77) OV101 - TO + BETA (R2B037) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 6.000

RUN NO. 58/ 0 RN/L = 6.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .953 | -6.110 | .27160 | .10110 | .26150 | .12480 | .00520 | .12990 | .01280 | -.02210 | .04000 | .00000 |
| .952 | -4.090 | .27790 | .10020 | .26800 | .12440 | -.00020 | .08390 | .00840 | -.01340 | .02000 | .00000 |
| .953 | -3.060 | .27770 | .09930 | .26780 | .12340 | -.00060 | .06170 | .00620 | -.00970 | .02000 | -.01000 |
| .952 | -2.010 | .27660 | .09910 | .26670 | .12330 | .00130 | .04120 | .00380 | -.00640 | .01000 | .00000 |
| .952 | -.990 | .27950 | .10030 | .26950 | .12470 | .00130 | .02210 | .00140 | -.00370 | .01000 | -.01000 |
| .951 | .010 | .27440 | .09890 | .26460 | .12270 | .00270 | .00270 | -.00100 | -.00120 | .01000 | -.01000 |
| .952 | 1.030 | .27540 | .09990 | .26540 | .12390 | .00190 | -.01650 | -.00290 | .00140 | .01000 | -.02000 |
| .954 | 2.060 | .27330 | .09950 | .26350 | .12320 | .00110 | -.03660 | -.00510 | .00410 | .01000 | -.01000 |
| .951 | 3.100 | .27060 | .09880 | .26090 | .12220 | .00120 | -.05780 | -.00760 | .00720 | .00000 | -.02000 |
| .951 | 4.140 | .26690 | .10060 | .25700 | .12360 | .00180 | -.07950 | -.01040 | .01070 | -.01000 | -.03000 |
| .951 | 6.230 | .25700 | .10320 | .24700 | .12520 | .00620 | -.12880 | -.01330 | .01900 | -.03000 | -.05000 |
| .952 | 8.290 | .25500 | .10440 | .24490 | .12620 | .01060 | -.17130 | -.01840 | .02560 | -.03000 | -.05000 |
| | GRADIENT | -.00124 | .00001 | -.00122 | -.00013 | .00022 | -.01960 | -.00225 | .00281 | -.00293 | -.00292 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R28038) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 6.000

RUN NO. 59/ 0 RN/L = 6.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .953 | -6.100 | .27260 | .10050 | .26260 | .12430 | .00480 | .13050 | .01260 | -.02230 | .02000 | .00000 |
| .953 | -4.040 | .27860 | .10080 | .23850 | .12510 | -.00060 | .08240 | .00830 | -.01320 | .00000 | -.03000 |
| .950 | -3.010 | .27860 | .09810 | .26880 | .12240 | .00000 | .06190 | .00570 | -.00980 | -.03000 | .00000 |
| .954 | -2.000 | .27840 | .09990 | .26850 | .12420 | .00110 | .04120 | .00380 | -.00650 | -.01000 | -.02000 |
| .955 | -.970 | .27980 | .10200 | .26960 | .12650 | .00140 | .02170 | .00140 | -.00370 | -.03000 | -.01000 |
| .950 | .010 | .27390 | .09820 | .26420 | .12210 | .00310 | .00300 | -.00090 | -.00130 | -.02000 | -.03000 |
| .955 | 1.040 | .27340 | .10080 | .26340 | .12450 | .00220 | -.01690 | .00290 | .00130 | -.04000 | -.01000 |
| .950 | 2.080 | .27050 | .09820 | .26090 | .12150 | .00200 | -.03770 | -.00470 | .00410 | -.02000 | -.03000 |
| .954 | 3.120 | .26880 | .10020 | .25900 | .12330 | .00130 | -.05760 | -.00780 | .00710 | -.02000 | -.04000 |
| .951 | 4.150 | .26210 | .09850 | .25250 | .12090 | .00290 | -.08090 | -.00990 | .01140 | -.02000 | -.04000 |
| .955 | 6.260 | .25720 | .10460 | .24710 | .12650 | .00620 | -.12810 | -.01360 | .01870 | -.02000 | -.04000 |
| .951 | 8.290 | .25430 | .10380 | .24420 | .12560 | .01140 | -.17220 | -.01830 | .02590 | -.02000 | -.05000 |
| | GRADIENT | -.00192 | -.00012 | -.00187 | -.00035 | .00033 | -.01970 | -.00220 | .00286 | -.00130 | -.00294 |

ARC 200-1 11(LA77) OV101 (R28039) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 60/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.980 | -.14300 | .15620 | -.13750 | .16100 | .06900 | -.02550 | -.00900 | .01430 | .00000 | -.01000 |
| 1.200 | .030 | -.01580 | .15630 | -.01580 | .15630 | .03920 | -.02410 | -.00860 | .01380 | -.03000 | .00000 |
| 1.199 | 2.020 | .10630 | .15520 | .10080 | .15890 | .01420 | -.02370 | -.00880 | .01330 | -.03000 | -.03000 |
| 1.200 | 4.010 | .22200 | .15390 | .21070 | .16900 | -.00710 | -.02340 | -.00860 | .01290 | -.03000 | .00000 |
| 1.197 | 6.020 | .34050 | .15160 | .32270 | .18640 | -.02640 | -.02300 | -.00870 | .01240 | -.04000 | .00000 |
| 1.198 | 7.940 | .44940 | .14860 | .42460 | .20930 | -.04130 | -.02240 | -.00870 | .01220 | -.06000 | -.03000 |
| 1.199 | 10.940 | .61440 | .14170 | .57630 | .25570 | -.05080 | -.02220 | -.00750 | .01150 | -.08000 | -.03000 |
| 1.197 | 11.970 | .66850 | .13950 | .62510 | .27510 | -.05400 | -.02130 | -.00790 | .01100 | -.05000 | -.02000 |
| 1.198 | 12.970 | .72390 | .13950 | .67410 | .29840 | -.05800 | -.02050 | -.00800 | .01080 | -.01000 | -.03000 |
| 1.198 | 13.950 | .77770 | .14010 | .72100 | .32340 | -.06280 | -.02080 | -.00780 | .01100 | -.01000 | -.02000 |
| 1.197 | 14.980 | .83410 | .14050 | .76940 | .35140 | -.06740 | -.02180 | -.00770 | .01130 | -.01000 | -.02000 |
| 1.198 | 15.950 | .88560 | .14090 | .81280 | .37880 | -.07180 | -.02170 | -.00780 | .01130 | -.02000 | -.02000 |
| 1.197 | 17.910 | .99080 | .13980 | .89980 | .43780 | -.07990 | -.02270 | -.00740 | .01140 | -.01000 | -.03000 |
| 1.197 | 20.050 | 1.09100 | .13850 | .97740 | .50410 | -.08170 | -.02310 | -.00740 | .01130 | .00000 | -.02000 |
| | GRADIENT | .06098 | -.00040 | .05818 | .00133 | -.01269 | .00034 | .00005 | -.00024 | -.00452 | -.00000 |

ARC 200-1 11(LA77) OV101 (R28040) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 61/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.930 | -.14550 | .16140 | -.14000 | .16620 | .06870 | -.10060 | -.01520 | .02040 | .07000 | -.04000 |
| 1.199 | .040 | -.02230 | .16030 | -.02240 | .16020 | .04120 | -.09830 | -.01560 | .01950 | .04000 | -.03000 |
| 1.197 | 2.040 | .09960 | .15840 | .09410 | .16190 | .01600 | -.09580 | -.01620 | .01830 | .01000 | -.04000 |
| 1.198 | 4.030 | .21920 | .15610 | .20770 | .17110 | -.00640 | -.09230 | -.01660 | .01680 | -.02000 | -.06000 |
| 1.198 | 6.040 | .33820 | .15390 | .32010 | .18870 | -.02530 | -.08880 | -.01730 | .01520 | .00000 | -.04000 |
| 1.199 | 8.000 | .45390 | .15080 | .42850 | .21260 | -.04010 | -.08700 | -.01810 | .01410 | .03000 | -.02000 |
| 1.198 | 10.030 | .56290 | .14690 | .52870 | .24270 | -.04700 | -.09100 | -.01710 | .01550 | .01000 | -.04000 |
| 1.198 | 11.000 | .61600 | .14570 | .57690 | .26050 | -.04990 | -.08780 | -.01790 | .01380 | .00000 | -.03000 |
| 1.199 | 12.010 | .66810 | .14350 | .62360 | .27940 | -.05350 | -.09070 | -.01680 | .01400 | .03000 | -.02000 |
| 1.197 | 13.060 | .72580 | .14250 | .67480 | .30290 | -.05730 | -.09140 | -.01600 | .01380 | .01000 | -.04000 |
| 1.198 | 14.050 | .78450 | .14220 | .72650 | .32850 | -.06500 | -.09260 | -.01390 | .01310 | .01000 | -.04000 |
| 1.196 | 15.100 | .84210 | .14200 | .77600 | .35650 | -.06980 | -.09230 | -.01330 | .01220 | .03000 | -.04000 |
| 1.199 | 16.070 | .89250 | .14150 | .81850 | .38290 | -.07390 | -.09080 | -.01380 | .01050 | .01000 | -.03000 |
| 1.196 | 18.010 | .98870 | .13780 | .89760 | .43680 | -.07720 | -.08820 | -.01520 | .00700 | .04000 | -.07000 |
| 1.198 | 20.130 | 1.08610 | .13380 | .97380 | .49940 | -.07890 | -.08560 | -.01550 | .00280 | .01000 | -.05000 |
| | GRADIENT | .06118 | -.00090 | .05833 | .00083 | -.01260 | .00138 | -.00024 | -.00060 | -.01509 | -.00353 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28041) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 62/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -6.380 | .57550 | .14130 | .54160 | .24060 | -.04930 | .07750 | .00540 | .00700 | .09000 | .04000 |
| 1.197 | -4.290 | .57640 | .14270 | .54220 | .24210 | -.05060 | .04360 | .00120 | .00900 | .01000 | -.02000 |
| 1.198 | -3.230 | .57430 | .14300 | .54020 | .24180 | -.05000 | .02690 | -.00090 | .00970 | .01000 | -.02000 |
| 1.198 | -2.170 | .57370 | .14280 | .53960 | .24170 | -.04930 | .01140 | -.00280 | .01050 | .00000 | -.02000 |
| 1.198 | -1.120 | .57290 | .14240 | .53870 | .24140 | -.04810 | -.00440 | -.00520 | .01080 | .00000 | -.03000 |
| 1.197 | .010 | .57690 | .14260 | .54220 | .24310 | -.04830 | -.02080 | -.00780 | .01120 | .00000 | -.03000 |
| 1.197 | 1.180 | .57310 | .14380 | .53880 | .24260 | -.04780 | -.03880 | -.01050 | .01200 | .01000 | -.04000 |
| 1.197 | 2.220 | .57330 | .14480 | .53890 | .24320 | -.04840 | -.05510 | -.01290 | .01260 | .02000 | -.05000 |
| 1.199 | 3.260 | .57050 | .14580 | .53620 | .24340 | -.04840 | -.07040 | -.01520 | .01310 | .01000 | -.05000 |
| 1.198 | 4.300 | .56440 | .14630 | .53020 | .24260 | -.04670 | -.09220 | -.01680 | .01590 | -.01000 | -.04000 |
| 1.196 | 6.410 | .55930 | .14880 | .52480 | .24400 | -.04260 | -.12970 | -.02170 | .01850 | .00000 | -.04000 |
| 1.198 | 8.510 | .56110 | .14960 | .52630 | .24520 | -.04010 | -.16450 | -.02670 | .01980 | .00000 | -.04000 |
| | GRADIENT | -.00092 | .00043 | -.00094 | .00017 | .00035 | -.01544 | -.00216 | .00066 | -.00043 | -.00371 |

ARC 200-1 11(LA77) OV1C1 (R28042) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 89/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .600 | -2.030 | -.18230 | .06680 | -.17980 | .07320 | .01020 | -.03670 | -.01090 | .01630 | .01000 | .00000 |
| .598 | .040 | -.04540 | .06690 | -.04550 | .06690 | .03130 | -.03560 | -.01070 | .01580 | -.01000 | .02000 |
| .598 | 1.920 | .00560 | .06460 | .00340 | .06480 | .01030 | -.03460 | -.01070 | .01530 | -.01000 | .02000 |
| .598 | 4.000 | .14480 | .05780 | .14040 | .06780 | .03140 | -.03340 | -.01050 | .01500 | -.01000 | .03000 |
| .598 | 5.970 | .23960 | .04850 | .23320 | .07310 | .02810 | -.03260 | -.01030 | .01450 | .03000 | .06000 |
| .597 | 8.000 | .34620 | .03570 | .33790 | .08360 | .02430 | -.03200 | -.01050 | .01400 | .03000 | .03000 |
| .598 | 10.010 | .45210 | .02180 | .44150 | .10010 | .02320 | -.03190 | -.01080 | .01360 | .03000 | .01000 |
| .597 | 10.990 | .50290 | .01480 | .49080 | .11030 | .02430 | -.03170 | -.01050 | .01330 | .02000 | .01000 |
| .598 | 12.020 | .55710 | .00820 | .54320 | .12400 | .02500 | -.03180 | -.01050 | .01340 | .01000 | .01000 |
| .596 | 12.980 | .61510 | .00440 | .59840 | .14240 | .02290 | -.03410 | -.01100 | .01440 | .02000 | .01000 |
| .597 | 13.960 | .66330 | .00520 | .64250 | .16510 | .02230 | -.03690 | -.00840 | .01580 | .02000 | .01000 |
| .596 | 14.970 | .72020 | .00720 | .69390 | .19290 | .01890 | -.03430 | -.00770 | .01420 | .02000 | .01000 |
| .597 | 15.990 | .77510 | .01000 | .74230 | .22310 | .01610 | -.03290 | -.00810 | .01330 | .01000 | .01000 |
| .596 | 17.980 | .89700 | .01540 | .84850 | .29150 | .00560 | -.03430 | -.00700 | .01340 | .05000 | -.03000 |
| .597 | 19.980 | 1.02650 | .01570 | .95940 | .36540 | -.00380 | -.03750 | -.00820 | .01500 | .02000 | .00000 |
| | GRADIENT | .05184 | -.00147 | .05070 | -.00091 | .00221 | .00055 | .00006 | -.00022 | -.00302 | .00453 |

ARC 200-1 11(LA77) OV101 (R28043) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 90/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .595 | -1.950 | -.30710 | .07330 | -.30440 | .08370 | .11720 | -.03540 | -.00850 | .01620 | -9.93000 | .02000 |
| .596 | -.030 | -.21670 | .07450 | -.21670 | .07460 | .11460 | -.03450 | -.00870 | .01570 | -9.94000 | .00000 |
| .597 | 2.010 | -.12540 | .07210 | -.12790 | .06760 | .11570 | -.03390 | -.00950 | .01520 | -9.95000 | .00000 |
| .597 | 3.980 | -.03190 | .06630 | -.03650 | .06400 | .11540 | -.03290 | -.00940 | .01470 | -9.99000 | .00000 |
| .597 | 5.990 | .06160 | .05760 | .05530 | .06370 | .11460 | -.03190 | -.00910 | .01430 | -10.00000 | .01000 |
| .597 | 8.000 | .15960 | .04570 | .15170 | .06740 | .11430 | -.03190 | -.00880 | .01390 | -10.01000 | .01000 |
| .597 | 10.010 | 26000 | .03220 | .25040 | .07690 | .11480 | -.03070 | -.00930 | .01340 | -9.98000 | -.02000 |
| .596 | 10.990 | .30830 | .02560 | .29780 | .08390 | .11640 | -.03030 | -.00970 | .01310 | -9.98000 | -.02000 |
| .596 | 12.010 | .36230 | .01870 | .35050 | .09370 | .11730 | -.03010 | -.00990 | .01290 | -9.98000 | -.02000 |
| .597 | 12.970 | .41480 | .01280 | .40140 | .10560 | .11780 | -.03150 | -.01020 | .01290 | -9.98000 | -.03000 |
| .597 | 14.020 | .47320 | .01090 | .45650 | .12520 | .11550 | -.03510 | -.01030 | .01480 | -10.00000 | -.02000 |
| .597 | 14.990 | .53360 | .01160 | .51240 | .14920 | .11130 | -.03400 | -.00880 | .01430 | -9.96000 | -.03000 |
| .597 | 16.020 | .59490 | .01200 | .56850 | .17570 | .10650 | -.03310 | -.00790 | .01370 | -9.96000 | -.04000 |
| .596 | 18.010 | .71380 | .01480 | .67420 | .23470 | .09900 | -.03300 | -.00820 | .01260 | -9.98000 | -.01000 |
| .597 | 20.000 | .83880 | .01740 | .78230 | .30320 | .08780 | -.03500 | -.00770 | .01370 | -9.94000 | -.04000 |
| | GRADIENT | .04623 | -.00118 | .04500 | -.00333 | -.00021 | .00041 | -.00018 | -.00025 | -.00958 | -.00300 |

ARC 200-1 11(LA77) OV101 (R28044) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 91/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.930 | -.30550 | .07190 | -.30290 | .08210 | .11280 | -.10960 | -.01020 | .02290 | -9.97000 | .01000 |
| .598 | -.040 | -.22960 | .07410 | -.22950 | .07430 | .10480 | -.10950 | -.01160 | .02250 | -9.95000 | -.04000 |
| .598 | 2.040 | -.12340 | .07240 | -.12590 | .06800 | .11090 | -.10740 | -.01370 | .02180 | -9.97000 | -.02000 |
| .598 | 4.000 | -.02990 | .06750 | -.03450 | .06520 | .11060 | -.10530 | -.01460 | .02120 | -9.97000 | -.03000 |
| .598 | 5.910 | .03410 | .05960 | .02780 | .06280 | .09480 | -.10500 | -.01570 | .02070 | -9.96000 | -.01000 |
| .597 | 7.980 | .16460 | .04780 | .15640 | .07020 | .11030 | -.10570 | -.01760 | .02100 | -9.97000 | .00000 |
| .597 | 10.010 | .26300 | .03300 | .25330 | .07830 | .11240 | -.10400 | -.02020 | .02060 | -9.97000 | .00000 |
| .597 | 11.040 | .31690 | .02580 | .30610 | .08600 | .11240 | -.10290 | -.02130 | .02020 | -9.97000 | -.01000 |
| .597 | 12.080 | .37180 | .01840 | .35970 | .09580 | .11230 | -.10130 | -.02220 | .02010 | -9.97000 | -.01000 |
| .598 | 13.040 | .42440 | .01200 | .41080 | .10750 | .11260 | -.10210 | -.02260 | .02000 | -9.97000 | -.01000 |
| .598 | 14.040 | .48400 | .00980 | .46710 | .12700 | .10880 | -.10530 | -.02230 | .02140 | -9.98000 | -.01000 |
| .598 | 15.030 | .54330 | .01200 | .52160 | .15250 | .10270 | -.10460 | -.02030 | .02120 | -9.98000 | .00000 |
| .598 | 16.060 | .60250 | .01270 | .57550 | .17890 | .10000 | -.10530 | -.01940 | .02100 | -9.98000 | -.01000 |
| .597 | 18.020 | .71210 | .01260 | .67330 | .23230 | .09560 | -.10850 | -.01910 | .02170 | -9.98000 | -.02000 |
| .598 | 20.000 | .82760 | .01100 | .77390 | .29330 | .09100 | -.11330 | -.02070 | .02370 | -10.00000 | .01000 |
| | GRADIENT | .04699 | -.00076 | .04577 | -.00286 | -.00000 | .00076 | -.00077 | -.00029 | -.00107 | -.00492 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B045) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 92/ 0 RN/L = 7.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -6.070 | .47370 | .01930 | .46310 | .10160 | .01550 | .07840 | .00490 | .00180 | .02000 | -.02000 |
| .597 | -4.060 | .46630 | .01950 | .45570 | .10040 | .01890 | .03970 | -.00060 | .00680 | .01000 | -.02000 |
| .598 | -3.040 | .46130 | .02050 | .45070 | .10040 | .02040 | .02160 | -.00290 | .00840 | .01000 | -.02000 |
| .598 | -2.040 | .45950 | .02120 | .44880 | .10080 | .02200 | .00370 | -.00540 | .01020 | .01000 | -.02000 |
| .597 | -1.010 | .45660 | .02160 | .44590 | .10050 | .02270 | -.01370 | -.00840 | .01210 | .01000 | -.02000 |
| .598 | -.020 | .45320 | .02190 | .44250 | .10020 | .02250 | -.03110 | -.01110 | .01360 | .01000 | -.02000 |
| .598 | .980 | .45420 | .02220 | .44340 | .10080 | .02270 | -.04870 | -.01330 | .01550 | .01000 | -.02000 |
| .598 | 2.040 | .45820 | .02210 | .44730 | .10170 | .02220 | -.06860 | -.01610 | .01740 | .01000 | -.02000 |
| .598 | 3.080 | .45650 | .02250 | .44560 | .10190 | .02110 | -.08750 | -.01910 | .01940 | .01000 | -.02000 |
| .598 | 4.110 | .45450 | .02250 | .44360 | .10140 | .02030 | -.10600 | -.02220 | .02180 | .01000 | -.02000 |
| .598 | 6.180 | .46560 | .02280 | .45450 | .10370 | .02010 | -.14840 | -.02580 | .02610 | .01000 | -.03000 |
| .599 | 8.250 | .46780 | .02150 | .45690 | .10280 | .01520 | -.18650 | -.02970 | .03040 | .01000 | -.02000 |
| | GRADIENT | -.00108 | .00033 | -.00113 | .00017 | .00013 | -.01781 | -.00264 | .00181 | .00000 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B046) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 93/ 0 RN/L = 7.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -6.070 | .47290 | .01950 | .46220 | .10170 | .01500 | .07890 | .00500 | .00180 | .02000 | -.01000 |
| .598 | -4.050 | .46530 | .01970 | .45480 | .10050 | .01850 | .03950 | -.00050 | .00690 | .02000 | -.01000 |
| .598 | -3.020 | .46230 | .02060 | .45170 | .10070 | .02000 | .02120 | -.00310 | .00850 | .02000 | -.01000 |
| .598 | -2.020 | .45990 | .02120 | .44920 | .10090 | .02170 | .00240 | -.00550 | .01020 | .02000 | -.01000 |
| .598 | -1.010 | .45720 | .02160 | .44650 | .10070 | .02230 | -.01460 | -.00840 | .01210 | .02000 | -.01000 |
| .598 | -.020 | .45460 | .02170 | .44390 | .10060 | .02310 | -.03180 | -.01090 | .01370 | .00000 | -.01000 |
| .598 | 1.010 | .45540 | .02210 | .44460 | .10120 | .02220 | -.05020 | -.01350 | .01550 | .03000 | -.03000 |
| .598 | 2.100 | .45850 | .02210 | .44760 | .10200 | .02150 | -.06920 | -.01620 | .01750 | .02000 | -.02000 |
| .598 | 3.130 | .45820 | .02240 | .44720 | .10210 | .02080 | -.08860 | -.01920 | .01950 | .02000 | -.02000 |
| .598 | 4.170 | .45700 | .02230 | .44610 | .10170 | .01970 | -.10710 | -.02240 | .02200 | .02000 | -.02000 |
| .598 | 6.240 | .45800 | .02300 | .44700 | .10240 | .01470 | -.14940 | -.02560 | .02630 | .02000 | -.02000 |
| .598 | 8.250 | .46860 | .02160 | .45770 | .10300 | .01480 | -.18680 | -.02960 | .03040 | .02000 | -.03000 |
| | GRADIENT | -.00080 | .00029 | -.00086 | .00019 | .00010 | -.01777 | -.00264 | .00181 | .00017 | -.00178 |

ARC 200-1 11(LA77) OV101 (R28047) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 84/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.960 | -.15370 | .08570 | -.15070 | .09090 | .04750 | -.03760 | -.01130 | .01910 | .09000 | -.05000 |
| .899 | -.030 | -.04190 | .08600 | -.04190 | .08600 | .03910 | -.03660 | -.01120 | .01850 | .04000 | -.02000 |
| .900 | 2.000 | .07500 | .08470 | .07200 | .08730 | .03170 | -.03550 | -.01160 | .01790 | .03000 | -.01000 |
| .899 | 3.000 | .13240 | .08370 | .12780 | .09050 | .02810 | -.03550 | -.01140 | .01760 | .01000 | -.02000 |
| .902 | 3.960 | .18400 | .08340 | .17780 | .09590 | .02600 | -.03470 | -.01170 | .01710 | .05000 | -.06000 |
| .899 | 4.970 | .23350 | .08100 | .22560 | .10100 | .02510 | -.03340 | -.01230 | .01640 | .01000 | -.06000 |
| .901 | 5.900 | .27700 | .08100 | .26720 | .10900 | .02660 | -.03460 | -.01100 | .01660 | .05000 | -.08000 |
| .899 | 6.980 | .33190 | .07940 | .31970 | .11920 | .02490 | -.03330 | -.01140 | .01590 | .02000 | -.04000 |
| .899 | 7.980 | .37960 | .07790 | .36510 | .12990 | .02430 | -.03290 | -.01140 | .01570 | -.01000 | -.02000 |
| .899 | 8.950 | .43130 | .07700 | .41410 | .14320 | .02180 | -.03440 | -.01100 | .01580 | -.03000 | -.01000 |
| .901 | 9.990 | .48490 | .07650 | .46430 | .15940 | .02000 | -.03410 | -.01050 | .01570 | .02000 | -.10000 |
| .898 | 11.970 | .58200 | .07540 | .55370 | .19450 | .01560 | -.03320 | -.00910 | .01470 | .05000 | -.04000 |
| .899 | 13.950 | .67860 | .07920 | .63950 | .24050 | .00480 | -.03320 | -.00840 | .01400 | .06000 | .00000 |
| .898 | 15.990 | .77590 | .07910 | .72410 | .28980 | .00010 | -.03600 | -.00890 | .01490 | .04000 | .00000 |
| .898 | 18.020 | .88370 | .08100 | .81530 | .35040 | -.00270 | -.03940 | -.00960 | .01560 | .04000 | -.03000 |
| .900 | 19.950 | .96980 | .08300 | .88330 | .40890 | .00410 | -.04280 | -.00910 | .01620 | .04000 | -.03000 |
| | GRADIENT | .05631 | -.00063 | .05475 | .00148 | -.00334 | .00055 | -.00012 | -.00037 | -.00889 | -.00237 |

RUN NO. 69/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.020 | -.17350 | .10910 | -.16950 | .11510 | .06240 | -.03330 | -.01230 | .01780 | .01000 | -.04000 |
| .947 | -.010 | -.04510 | .10850 | -.04510 | .10860 | .04660 | -.03200 | -.01220 | .01730 | .00000 | -.03000 |
| .949 | 1.980 | .07920 | .10870 | .07540 | .11140 | .03140 | -.03150 | -.01210 | .01690 | .03000 | -.02000 |
| .948 | 2.960 | .14160 | .10700 | .13590 | .11410 | .02180 | -.03120 | -.01190 | .01640 | .01000 | -.01000 |
| .946 | 3.980 | .20770 | .10450 | .19990 | .11860 | .01260 | -.03020 | -.01170 | .01580 | .01000 | -.01000 |
| .948 | 4.970 | .26940 | .10340 | .25940 | .12640 | .00490 | -.02990 | -.01210 | .01580 | .02000 | .00000 |
| .946 | 5.970 | .32700 | .10020 | .31480 | .13370 | -.00110 | -.02840 | -.01190 | .01530 | .01000 | .01000 |
| .948 | 6.950 | .38430 | .09980 | .36940 | .14550 | -.00700 | -.02910 | -.01170 | .01560 | .00000 | .00000 |
| .948 | 7.970 | .43790 | .09640 | .42030 | .15620 | -.01030 | -.02810 | -.01130 | .01390 | .00000 | -.05000 |
| .947 | 8.990 | .49570 | .09600 | .47460 | .17220 | -.01310 | -.02770 | -.01130 | .01560 | .03000 | -.03000 |
| .949 | 9.970 | .55320 | .09520 | .52840 | .18950 | -.01900 | -.02830 | -.01080 | .01650 | .00000 | -.02000 |
| .947 | 12.020 | .65720 | .09360 | .62320 | .22850 | -.02140 | -.02660 | -.01110 | .01700 | .02000 | -.02000 |
| .946 | 13.960 | .74690 | .09520 | .70190 | .27260 | -.02180 | -.02530 | -.01110 | .01710 | -.01000 | -.02000 |
| .948 | 15.980 | .85500 | .09860 | .79480 | .33010 | -.02990 | -.02070 | -.01220 | .01690 | -.01000 | -.01000 |
| .948 | 17.940 | .96420 | .09930 | .88680 | .39150 | -.03380 | -.02080 | -.01280 | .01910 | -.03000 | -.01000 |
| .947 | 19.940 | 1.05350 | .10070 | .95600 | .45400 | -.02360 | -.04080 | -.00770 | .01850 | .03000 | .01000 |
| | GRADIENT | .06335 | -.00080 | .06137 | .00156 | -.00828 | .00047 | .00006 | -.00031 | .00147 | .00560 |

ARC 200-1 11(LA77) OV101 (R2B047) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPOBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 63/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.930 | -.17590 | .14840 | -.17080 | .15430 | .08180 | -.02980 | -.01090 | .01690 | .01000 | -.03000 |
| 1.046 | .010 | -.04620 | .14780 | -.04620 | .14780 | .06000 | -.02920 | -.01080 | .01640 | .01000 | -.02000 |
| 1.046 | 2.020 | .08870 | .14860 | .08340 | .15170 | .03640 | -.02880 | -.01080 | .01600 | -.02000 | .02000 |
| 1.047 | 3.000 | .15320 | .14890 | .14520 | .15670 | .02370 | -.02880 | -.01090 | .01580 | -.03000 | -.04000 |
| 1.047 | 4.030 | .21910 | .14880 | .20810 | .16380 | .01190 | -.02850 | -.01080 | .01560 | -.05000 | -.03000 |
| 1.045 | 5.020 | .28250 | .14780 | .26850 | .17200 | .00140 | -.02840 | -.01090 | .01540 | .02000 | -.01000 |
| 1.047 | 6.030 | .34260 | .14660 | .32530 | .18180 | -.00770 | -.02800 | -.01100 | .01500 | -.03000 | -.07000 |
| 1.047 | 7.000 | .39900 | .14480 | .37830 | .19240 | -.01440 | -.02790 | -.01080 | .01490 | .01000 | -.01000 |
| 1.045 | 7.960 | .45260 | .14300 | .42850 | .20430 | -.01890 | -.02760 | -.01050 | .01480 | .01000 | -.03000 |
| 1.044 | 8.970 | .51020 | .14140 | .48190 | .21920 | -.02440 | -.02760 | -.01080 | .01440 | .03000 | -.02000 |
| 1.047 | 9.980 | .56770 | .13960 | .53490 | .23590 | -.02940 | -.02820 | -.01040 | .01450 | .03000 | -.04000 |
| 1.047 | 11.930 | .67820 | .13810 | .63500 | .27530 | -.03820 | -.02890 | -.01040 | .01490 | .02000 | -.02000 |
| 1.046 | 13.930 | .78330 | .13910 | .72680 | .32350 | -.04150 | -.02800 | -.01020 | .01460 | .05000 | -.03000 |
| 1.044 | 15.920 | .89170 | .14110 | .81880 | .38030 | -.04770 | -.02820 | -.01020 | .01440 | .02000 | -.01000 |
| 1.045 | 17.890 | 1.00830 | .13900 | .91680 | .44210 | -.06000 | -.02900 | -.00980 | .01450 | .04000 | -.05000 |
| 1.046 | 20.050 | 1.13900 | .13770 | 1.02270 | .51990 | -.07680 | -.03140 | -.00760 | .01490 | .01000 | -.02000 |
| | GRADIENT | .06644 | .00012 | .06375 | .00158 | -.01178 | .00021 | .00001 | -.00022 | -.01036 | -.00001 |

ARC 200-1 11(LA77) OV101 (R28048) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 85/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.990 | -.33220 | .10400 | -.32840 | .11550 | .15520 | -.03570 | -.00980 | .01870 | -9.92000 | .00000 |
| .900 | .030 | -.21060 | .10340 | -.21060 | .10330 | .14490 | -.03520 | -.00980 | .01800 | -9.94000 | .00000 |
| .900 | 1.980 | -.09940 | .10060 | -.10280 | .09710 | .12900 | -.03540 | -.00990 | .01740 | -9.96000 | .02000 |
| .898 | 3.020 | -.02710 | .09820 | -.03230 | .09660 | .12460 | -.03450 | -.00970 | .01730 | -9.96000 | .01000 |
| .901 | 3.990 | .03640 | .09790 | .02950 | .10020 | .11590 | -.03430 | -.01000 | .01680 | -10.01000 | .03000 |
| .900 | 5.030 | .10690 | .09410 | .09830 | .10320 | .10390 | -.03400 | -.01020 | .01650 | -10.10000 | .09000 |
| .901 | 5.970 | .16860 | .09180 | .15810 | .10880 | .09410 | -.03360 | -.00970 | .01630 | -10.24000 | -.05000 |
| .899 | 7.060 | .23390 | .08770 | .22130 | .11580 | .08640 | -.03410 | -.00980 | .01600 | -10.10000 | .09000 |
| .899 | 8.020 | .28320 | .08790 | .26820 | .12660 | .08670 | -.03130 | -.01160 | .01500 | -10.10000 | -.11000 |
| .900 | 9.020 | .33290 | .08810 | .31500 | .13920 | .08650 | -.03240 | -.01110 | .01510 | -10.14000 | -.07000 |
| .900 | 10.040 | .38410 | .08790 | .36290 | .15350 | .08680 | -.03340 | -.00990 | .01530 | -10.00000 | .11000 |
| .901 | 12.030 | .48460 | .08800 | .45560 | .18710 | .08190 | -.03370 | -.00900 | .01490 | -10.04000 | .12000 |
| .900 | 13.970 | .57340 | .09000 | .53470 | .22570 | .07430 | -.03370 | -.00810 | .01410 | -10.06000 | .11000 |
| .900 | 15.930 | .64790 | .09040 | .59820 | .26480 | .06350 | -.03640 | -.00900 | .01430 | -10.11000 | .09000 |
| .899 | 18.060 | .76720 | .09130 | .70110 | .32470 | .07620 | -.03850 | -.00970 | .01490 | -10.07000 | .05000 |
| .899 | 20.010 | .84800 | .09180 | .76540 | .37640 | .08720 | -.04240 | -.00940 | .01590 | -9.99000 | .09000 |
| | GRADIENT | .06126 | -.00114 | .05947 | -.00277 | -.00659 | .00022 | -.00002 | -.00030 | -.01270 | .00456 |

RUN NO. 70/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.000 | -.36710 | .12730 | -.36240 | .14000 | .19520 | -.03600 | -.00960 | .01900 | -9.95000 | .04000 |
| .947 | -.010 | -.23490 | .12540 | -.23490 | .12550 | .17680 | -.03430 | -.01010 | .01800 | -10.02000 | .09000 |
| .948 | 1.990 | -.09450 | .12110 | -.09870 | .11780 | .15070 | -.03250 | -.01090 | .01690 | -9.99000 | .05000 |
| .948 | 2.990 | -.02050 | .12010 | -.02670 | .11890 | .13610 | -.03200 | -.01120 | .01640 | -9.92000 | .02000 |
| .947 | 4.020 | .05070 | .11710 | .04240 | .12040 | .12260 | -.03100 | -.01140 | .01610 | -9.91000 | -.01000 |
| .945 | 5.010 | .11990 | .11370 | .10960 | .12370 | .10860 | -.03100 | -.01200 | .01600 | -9.95000 | .02000 |
| .950 | 6.030 | .18790 | .11380 | .17490 | .13290 | .09730 | -.02950 | -.01250 | .01560 | -9.92000 | .00000 |
| .948 | 6.980 | .24970 | .11300 | .23410 | .14250 | .08860 | -.02870 | -.01200 | .01560 | -9.93000 | -.01000 |
| .949 | 7.940 | .30730 | .11090 | .28900 | .15230 | .08220 | -.02980 | -.01120 | .01580 | -9.94000 | -.01000 |
| .948 | 8.960 | .37170 | .10970 | .35010 | .16620 | .07350 | -.02880 | -.01150 | .01640 | -9.96000 | .00000 |
| .947 | 9.940 | .43080 | .10690 | .40590 | .17970 | .06680 | -.02850 | -.01080 | .01670 | -9.97000 | .01000 |
| .948 | 12.000 | .55560 | .10400 | .52180 | .21730 | .05280 | -.02550 | -.01110 | .01640 | -9.98000 | -.03000 |
| .947 | 13.950 | .64860 | .10260 | .60470 | .25590 | .05020 | -.02420 | -.01010 | .01630 | -9.99000 | -.02000 |
| .950 | 15.990 | .75900 | .10300 | .70120 | .30810 | .04260 | -.01880 | -.01170 | .01550 | -9.97000 | -.03000 |
| .950 | 17.940 | .86090 | .10110 | .78790 | .36130 | .03940 | -.02140 | -.01190 | .01870 | -10.01000 | .00000 |
| .948 | 19.960 | .96520 | .10300 | .87210 | .42620 | .04310 | -.04000 | -.00750 | .01810 | -9.95000 | -.04000 |
| | GRADIENT | .06967 | -.00168 | .06752 | -.00334 | -.01223 | .00082 | -.00031 | -.00050 | .00977 | -.00977 |

ARC 200-1 11(LA77) OV101 (R28048) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 64/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.050 | -.32620 | .16330 | -.32010 | .17480 | .18160 | -.03020 | -.01080 | .01710 | -10.03000 | -.11000 |
| 1.045 | -.100 | -.19090 | .16050 | -.19060 | .16090 | .15630 | -.03050 | -.01010 | .01700 | -9.84000 | -.04000 |
| 1.047 | 1.920 | -.04980 | .16130 | -.05520 | .15960 | .12830 | -.03000 | -.01060 | .01640 | -9.94000 | -.07000 |
| 1.047 | 2.900 | .01720 | .16080 | .00900 | .16140 | .11440 | -.02970 | -.01080 | .01610 | -9.86000 | .04000 |
| 1.049 | 3.940 | .09010 | .16030 | .07880 | .16610 | .09820 | -.02970 | -.01080 | .01600 | -9.87000 | .06000 |
| 1.046 | 4.940 | .15270 | .15900 | .13840 | .17150 | .08790 | -.02890 | -.01150 | .01550 | -9.92000 | -.01000 |
| 1.046 | 5.940 | .21340 | .15820 | .19590 | .17940 | .07920 | -.02890 | -.01140 | .01530 | -9.93000 | -.01000 |
| 1.047 | 6.920 | .27540 | .15710 | .25450 | .18910 | .06940 | -.02800 | -.01150 | .01490 | -10.03000 | -.11000 |
| 1.047 | 7.870 | .33490 | .15600 | .31040 | .20040 | .06020 | -.02760 | -.01120 | .01470 | -10.01000 | -.14000 |
| 1.045 | 8.900 | .40030 | .15470 | .37160 | .21480 | .05070 | -.03050 | -.01060 | .01570 | -9.87000 | .01000 |
| 1.048 | 9.900 | .46140 | .15240 | .42830 | .22950 | .04300 | -.03030 | -.01060 | .01540 | -9.86000 | .00000 |
| 1.046 | 11.860 | .57520 | .15000 | .53210 | .26500 | .03340 | -.02980 | -.01080 | .01520 | -9.88000 | -.03000 |
| 1.047 | 13.850 | .68500 | .14680 | .62990 | .30660 | .02570 | -.03010 | -.01040 | .01520 | -9.88000 | -.03000 |
| 1.044 | 15.850 | .79630 | .14610 | .72620 | .35810 | .01720 | -.02760 | -.01070 | .01380 | -9.88000 | -.03000 |
| 1.044 | 17.830 | .91160 | .14260 | .82410 | .41480 | .00780 | -.03190 | -.01050 | .01580 | -9.88000 | -.03000 |
| 1.046 | 19.990 | 1.04230 | .13610 | .93310 | .48410 | -.00880 | -.03370 | -.00820 | .01580 | -9.87000 | -.03000 |
| | GRADIENT | .06888 | -.00046 | .06598 | -.00036 | -.01366 | .00018 | -.00010 | -.00023 | .01278 | .01907 |

ARC 200-1 11(LA77) OV101 (R2B049) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 71/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -1.940 | -.34380 | .12920 | -.33920 | .14080 | .17850 | -.06620 | .00610 | .03210 | -10.09000 | 5.02000 |
| .947 | .020 | -.21620 | .12700 | -.21620 | .12690 | .16180 | -.06440 | .00680 | .03110 | -10.10000 | 5.03000 |
| .947 | 2.020 | -.08650 | .12350 | -.09120 | .12030 | .14320 | -.06370 | .00630 | .03010 | -10.09000 | 5.03000 |
| .946 | 3.010 | -.01750 | .12230 | -.02390 | .12120 | .13110 | -.06260 | .00590 | .02960 | -10.09000 | 5.02000 |
| .945 | 4.040 | .05240 | .11930 | .04390 | .12270 | .11850 | -.06130 | .00450 | .02870 | -10.12000 | 5.04000 |
| .946 | 5.040 | .12570 | .11780 | .11490 | .12840 | .10380 | -.06000 | .00340 | .02820 | -10.02000 | 4.99000 |
| .946 | 6.050 | .19170 | .11540 | .17850 | .13500 | .09380 | -.05710 | .00110 | .02720 | -10.07000 | 5.02000 |
| .947 | 6.960 | .24860 | .11470 | .23280 | .14400 | .08640 | -.05580 | .00050 | .02670 | -10.07000 | 5.03000 |
| .948 | 7.920 | .30560 | .11120 | .28740 | .15220 | .07970 | -.05330 | -.00060 | .02500 | -10.10000 | 5.01000 |
| .947 | 8.950 | .36940 | .10880 | .34800 | .16490 | .07170 | -.05420 | -.00060 | .02520 | -10.13000 | 4.98000 |
| .948 | 9.940 | .43450 | .10920 | .40910 | .18260 | .06270 | -.05290 | .00010 | .02710 | -10.15000 | 4.95000 |
| .947 | 11.990 | .55640 | .10630 | .52220 | .21960 | .04980 | -.04570 | -.00350 | .02630 | -10.15000 | 4.95000 |
| .948 | 13.950 | .65880 | .10610 | .61380 | .26180 | .04290 | -.03830 | -.00390 | .02500 | -10.10000 | 5.00000 |
| .950 | 16.000 | .77220 | .10720 | .71270 | .31590 | .03540 | -.02990 | -.00360 | .02310 | -10.09000 | 5.00000 |
| .949 | 17.960 | .86740 | .10520 | .79270 | .36750 | .03600 | -.02980 | -.00290 | .02440 | -10.09000 | 5.01000 |
| .948 | 19.980 | .96820 | .10560 | .87390 | .43010 | .04140 | -.04200 | .00060 | .02110 | -10.09000 | 5.00000 |
| | GRADIENT | .06614 | -.00161 | .06395 | -.00307 | -.00995 | .00076 | -.00023 | -.00055 | -.00279 | .00191 |

ARC 200-1 11(LA77) OV101 (R28050) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 86/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -1.970 | -.33770 | .10560 | -.33380 | .11710 | .15550 | -.12420 | -.01410 | .02980 | -9.99000 | .01000 |
| .900 | .040 | -.21500 | .10490 | -.21510 | .10480 | .14270 | -.12280 | -.01600 | .02910 | -9.99000 | -.01000 |
| .900 | 2.010 | -.09760 | .10200 | -.10140 | .09850 | .12840 | -.12110 | -.01740 | .02820 | -10.00000 | -.01000 |
| .900 | 3.030 | -.02990 | .10010 | -.03510 | .09840 | .12180 | -.12060 | -.01800 | .02770 | -10.01000 | -.01000 |
| .899 | 3.990 | .03310 | .09750 | .02620 | .09950 | .11190 | -.11380 | -.01890 | .02710 | -10.04000 | .02000 |
| .895 | 5.030 | .10410 | .09320 | .09560 | .10200 | .09970 | -.11970 | -.01950 | .02660 | -10.04000 | -.02000 |
| .898 | 5.970 | .16530 | .09220 | .15480 | .10890 | .09220 | -.11940 | -.02030 | .02580 | -10.05000 | .00000 |
| .899 | 7.050 | .22270 | .09040 | .20990 | .11700 | .08450 | -.11900 | -.02160 | .02490 | -10.06000 | .02000 |
| .900 | 8.000 | .27240 | .08810 | .25750 | .12510 | .07600 | -.11800 | -.02190 | .02370 | -10.03000 | -.04000 |
| .898 | 9.060 | .33510 | .08740 | .31720 | .13910 | .08310 | -.11830 | -.02120 | .02370 | -10.03000 | -.01000 |
| .899 | 10.060 | .38730 | .08770 | .36600 | .15400 | .08300 | -.11840 | -.02080 | .02320 | -10.04000 | .01000 |
| .900 | 12.090 | .49090 | .08810 | .46160 | .18900 | .07610 | -.11910 | -.02060 | .02180 | -10.03000 | .00000 |
| .899 | 14.040 | .57780 | .08890 | .53900 | .22640 | .07270 | -.11940 | -.01980 | .01930 | -10.02000 | -.02000 |
| .899 | 16.090 | .67280 | .08780 | .62210 | .27080 | .07100 | -.11600 | -.01870 | .01410 | -10.02000 | -.02000 |
| .900 | 18.070 | .75530 | .08700 | .69110 | .31700 | .06900 | -.11550 | -.01910 | .00890 | -10.02000 | -.02000 |
| .900 | 20.050 | .84550 | .08780 | .76420 | .37240 | .08630 | -.11090 | -.01940 | .00480 | -10.03000 | -.01000 |
| | GRADIENT | .06193 | -.00134 | .06013 | -.00302 | -.00718 | .00074 | -.00078 | -.00045 | -.00726 | .00041 |

RUN NO. 72/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.990 | -.37050 | .12830 | -.36590 | .14110 | .18910 | -.12670 | -.01300 | .03040 | -9.71000 | -.26000 |
| .948 | .020 | -.23570 | .12860 | -.23580 | .12850 | .17120 | -.12550 | -.01620 | .02970 | -10.05000 | .08000 |
| .947 | 2.020 | -.09810 | .12420 | -.10240 | .12070 | .14700 | -.12240 | -.01940 | .02870 | -10.03000 | .04000 |
| .947 | 3.010 | -.02560 | .12120 | -.03190 | .11970 | .13180 | -.12120 | -.02080 | .02800 | -9.97000 | -.02000 |
| .948 | 4.040 | .04890 | .12080 | .04020 | .12390 | .11770 | -.12000 | -.02220 | .02750 | -9.97000 | -.02000 |
| .947 | 5.030 | .11940 | .11950 | .10840 | .12950 | .10540 | -.11900 | -.02280 | .02720 | -9.95000 | -.04000 |
| .949 | 6.010 | .18200 | .11480 | .16900 | .13330 | .09570 | -.11730 | -.02280 | .02680 | -9.97000 | -.02000 |
| .949 | 6.980 | .24620 | .11430 | .23050 | .14340 | .08710 | -.11710 | -.02230 | .02690 | -9.96000 | -.03000 |
| .949 | 7.980 | .31050 | .11300 | .29180 | .15500 | .07900 | -.11670 | -.02220 | .02690 | -9.95000 | -.04000 |
| .947 | 9.010 | .37730 | .10950 | .35150 | .16650 | .07200 | -.11680 | -.02170 | .02700 | -9.96000 | -.02000 |
| .950 | 9.970 | .43350 | .10740 | .40830 | .18080 | .06380 | -.11530 | -.02220 | .02700 | -9.97000 | -.01000 |
| .948 | 12.010 | .55810 | .10510 | .52400 | .21890 | .04890 | -.11300 | -.02310 | .02610 | -9.98000 | -.03000 |
| .950 | 14.020 | .66630 | .10320 | .62140 | .26160 | .04070 | -.11000 | -.02330 | .02480 | -9.98000 | -.03000 |
| .949 | 16.030 | .76150 | .10260 | .70350 | .30890 | .03900 | -.10530 | -.02330 | .02200 | -9.97000 | -.03000 |
| .948 | 18.010 | .86940 | .10090 | .79560 | .36480 | .03530 | -.09440 | -.02450 | .01740 | -9.95000 | -.04000 |
| .946 | 19.980 | .94640 | .09990 | .85530 | .41730 | .04760 | -.09520 | -.02480 | .01130 | -9.92000 | .00000 |
| | GRADIENT | .06[illegible]9 | -.00145 | .06731 | -.00316 | -.01193 | .00117 | -.00154 | -.00049 | -.03473 | .03061 |

ARC 200-1 11(LA77) OV101 (R2B050) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 65/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.044 | -2.050 | -.32990 | .16990 | -.32360 | .18160 | .17810 | -.12040 | -.01500 | .02870 | -9.88000 | -.05000 |
| 1.046 | -.100 | -.19720 | .16780 | -.19690 | .16820 | .15380 | -.11890 | -.01930 | .02800 | -9.98000 | -.03000 |
| 1.047 | 1.930 | -.05420 | .16740 | -.05980 | .16550 | .12680 | -.11660 | -.02220 | .02730 | -10.00000 | -.02000 |
| 1.047 | 2.910 | .01310 | .16720 | .00460 | .16760 | .11390 | -.11590 | -.02290 | .02700 | -9.99000 | -.03000 |
| 1.045 | 3.940 | .08140 | .16680 | .06970 | .17200 | .10160 | -.11500 | -.02300 | .02670 | -10.01000 | -.01000 |
| 1.047 | 4.940 | .14930 | .16590 | .13440 | .17810 | .08860 | -.11300 | -.02300 | .02580 | -10.02000 | -.01000 |
| 1.045 | 5.960 | .21290 | .16600 | .19450 | .18720 | .07920 | -.11320 | -.02220 | .02620 | -10.01000 | -.01000 |
| 1.045 | 6.940 | .27500 | .16540 | .25300 | .19740 | .07100 | -.11340 | -.02210 | .02610 | -10.01000 | -.02000 |
| 1.045 | 7.910 | .33560 | .16450 | .30980 | .20910 | .06240 | -.11340 | -.02230 | .02620 | -10.01000 | -.02000 |
| 1.048 | 8.960 | .40300 | .16230 | .37280 | .22310 | .05190 | -.11310 | -.02290 | .02600 | -10.02000 | -.01000 |
| 1.046 | 9.940 | .46170 | .16080 | .42700 | .23810 | .04590 | -.11210 | -.02320 | .02590 | -10.00000 | -.02000 |
| 1.046 | 11.920 | .57630 | .15610 | .53170 | .27170 | .03540 | -.10990 | -.02280 | .02420 | -10.01000 | -.01000 |
| 1.048 | 13.940 | .68710 | .15060 | .63060 | .31170 | .02760 | -.10930 | -.02220 | .02270 | -10.01000 | -.01000 |
| 1.046 | 16.050 | .80120 | .14450 | .73000 | .36030 | .02200 | -.11190 | -.02210 | .02150 | -10.00000 | -.02000 |
| 1.045 | 17.990 | .91060 | .13980 | .82290 | .41420 | .01290 | -.11010 | -.02270 | .01850 | -10.00000 | -.01000 |
| 1.045 | 20.000 | 1.01550 | .13460 | .90820 | .47380 | .00790 | -.10690 | -.01950 | .01390 | -10.00000 | -.01000 |
| | GRADIENT | .06874 | -.00049 | .06573 | -.00048 | -.01285 | .00101 | -.00115 | -.00038 | -.01730 | .00529 |

ARC 200-1 11(LA77) OV101 (R28051) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 73/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.950 | -.17920 | .11150 | -.17530 | .11760 | .06330 | -.11780 | -.01750 | .02810 | .13000 | -.08000 |
| .948 | -.010 | -.05480 | .11120 | -.05480 | .11120 | .04810 | -.11680 | -.02050 | .02820 | .08000 | -.07000 |
| .947 | 1.980 | .06950 | .10990 | .06600 | .11230 | .03300 | -.11680 | -.02120 | .02850 | .01000 | .02000 |
| .949 | 2.990 | .13430 | .10960 | .12840 | .11640 | .02410 | -.11530 | -.02110 | .02780 | .04000 | .03000 |
| .947 | 3.970 | .19470 | .10610 | .18690 | .11930 | .01620 | -.11760 | -.02020 | .02870 | .03000 | -.02000 |
| .948 | 4.970 | .25950 | .10790 | .24920 | .12990 | .00800 | -.11430 | -.02000 | .02720 | .04000 | -.04000 |
| .946 | 5.970 | .31700 | .10390 | .30450 | .13630 | .00370 | -.11740 | -.01980 | .02860 | .03000 | -.03000 |
| .948 | 6.950 | .37650 | .10380 | .36120 | .14860 | -.00290 | -.11520 | -.02040 | .02800 | .03000 | -.03000 |
| .948 | 7.970 | .43690 | .10190 | .41850 | .16150 | -.00860 | -.11540 | -.02020 | .02790 | .02000 | -.02000 |
| .948 | 9.000 | .49650 | .09970 | .47480 | .17620 | -.01350 | -.11340 | -.02080 | .02720 | .02000 | -.02000 |
| .947 | 9.970 | .54910 | .09630 | .52410 | .19000 | -.01720 | -.11230 | -.02130 | .02640 | .02000 | -.03000 |
| .949 | 12.010 | .65580 | .09630 | .62140 | .23070 | -.02200 | -.10740 | -.02220 | .02430 | .02000 | -.04000 |
| .949 | 14.020 | .75660 | .09740 | .71040 | .27780 | -.02770 | -.10490 | -.02300 | .02320 | .02000 | -.03000 |
| .949 | 16.050 | .87040 | .10070 | .80860 | .33730 | -.03450 | -.10100 | -.02450 | .02070 | .02000 | -.04000 |
| .949 | 18.000 | .96990 | .09950 | .89160 | .39440 | -.03750 | -.09210 | -.02580 | .01720 | -.01000 | -.02000 |
| .948 | 19.980 | 1.05100 | .09610 | .95490 | .44940 | -.02630 | -.08410 | -.02470 | .01010 | .04000 | -.05000 |
| | GRADIENT | .06324 | -.00068 | .06122 | .00155 | -.00799 | .00034 | -.00031 | -.00006 | -.01363 | .00980 |

RUN NO. 66/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.990 | -.18190 | .15280 | -.17650 | .15900 | .07870 | -.10750 | -.01620 | .02370 | -.05000 | .04000 |
| 1.046 | .000 | -.05140 | .15220 | -.05140 | .15220 | .05650 | -.10450 | -.01960 | .02270 | -.06000 | .06000 |
| 1.045 | 2.020 | .08510 | .15290 | .07970 | .15580 | .03380 | -.10280 | -.02080 | .02230 | .11000 | .07000 |
| 1.046 | 3.000 | .14820 | .15280 | .14000 | .16030 | .02330 | -.10190 | -.02120 | .02180 | .03000 | -.03000 |
| 1.047 | 4.030 | .21510 | .15260 | .20380 | .16730 | .01190 | -.10110 | -.02110 | .02140 | .01000 | -.03000 |
| 1.045 | 5.030 | .27970 | .15240 | .26530 | .17640 | .00150 | -.10050 | -.02120 | .02120 | .01000 | -.04000 |
| 1.045 | 6.040 | .34090 | .15180 | .32300 | .18690 | -.00660 | -.10020 | -.02080 | .02100 | .02000 | -.04000 |
| 1.048 | 7.020 | .39830 | .15100 | .37680 | .19860 | -.01260 | -.10160 | -.02050 | .02160 | .01000 | -.03000 |
| 1.045 | 8.000 | .45650 | .15060 | .43110 | .21270 | -.01850 | -.10350 | -.02060 | .02260 | .02000 | -.03000 |
| 1.046 | 9.040 | .51620 | .14900 | .48630 | .22820 | -.02360 | -.10460 | -.02070 | .02310 | .02000 | -.03000 |
| 1.045 | 10.010 | .57070 | .14760 | .53630 | .24460 | -.02760 | -.10410 | -.02130 | .02320 | .03000 | -.04000 |
| 1.047 | 12.000 | .67760 | .14390 | .63290 | .28160 | -.03370 | -.10150 | -.02200 | .02090 | .00000 | -.04000 |
| 1.044 | 13.990 | .78370 | .14110 | .72640 | .32640 | -.03970 | -.10510 | -.02090 | .02100 | .01000 | -.03000 |
| 1.046 | 16.030 | .89620 | .13730 | .82340 | .37950 | -.04620 | -.10650 | -.02130 | .01940 | .01000 | -.04000 |
| 1.046 | 18.030 | 1.01400 | .13560 | .92220 | .44290 | -.05950 | -.10520 | -.01930 | .01670 | .00000 | -.03000 |
| 1.046 | 20.040 | 1.11340 | .13430 | 1.00000 | .50760 | -.06260 | -.09960 | -.01930 | .01110 | .00000 | -.02000 |
| | GRADIENT | .06613 | .00002 | .06337 | .00135 | -.01110 | .00104 | -.00080 | -.00036 | .01697 | -.01306 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B052) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 87/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -6.330 | .24230 | .07680 | .23460 | .09790 | .01560 | .10640 | -.00160 | -.00410 | .03000 | .02000 |
| .900 | -4.250 | .23670 | .07790 | .22900 | .09820 | .01920 | .05880 | -.00540 | .00370 | .03000 | -.01000 |
| .900 | -3.190 | .16870 | .07920 | .16150 | .09290 | -.00930 | .03340 | -.00700 | .00690 | .05000 | -.03000 |
| .900 | -2.140 | .23170 | .07920 | .22390 | .09910 | .02300 | .01140 | -.00840 | .01060 | .01000 | .00000 |
| .901 | -1.090 | .23490 | .08140 | .22690 | .10160 | .02420 | -.01190 | -.00990 | .01380 | .03000 | -.02000 |
| .901 | -.010 | .23400 | .08150 | .22600 | .10150 | .02370 | -.03470 | -.01230 | .01650 | -.02000 | .01000 |
| .899 | 1.010 | .23360 | .08150 | .22560 | .10150 | .02470 | -.05720 | -.01340 | .01960 | -.02000 | -.01000 |
| .901 | 2.080 | .23590 | .08240 | .22780 | .10260 | .02250 | -.08190 | -.01460 | .02320 | -.01000 | .00000 |
| .900 | 3.110 | .23320 | .08200 | .22520 | .10200 | .02020 | -.10480 | -.01600 | .02640 | .01000 | .00000 |
| .901 | 4.170 | .23260 | .08210 | .22460 | .10190 | .01900 | -.12710 | -.01750 | .02940 | .00000 | .01000 |
| .899 | 6.250 | .23000 | .08350 | .22190 | .10310 | .01570 | -.17170 | -.01860 | .03460 | .00000 | .00000 |
| .901 | 8.360 | .22870 | .08520 | .22040 | .10470 | .02030 | -.20890 | -.01990 | .03850 | .00000 | -.01000 |
| | GRADIENT | .00292 | .00050 | .00285 | .00078 | .00138 | -.02202 | -.00145 | .00305 | -.00524 | .00286 |

RUN NO. 74/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -6.320 | .26290 | .09940 | .25320 | .12210 | .01090 | .10240 | .00060 | -.00530 | .06000 | -.03000 |
| .948 | -4.230 | .26790 | .10010 | .25820 | .12310 | .00510 | .05420 | -.00350 | .00360 | .06000 | -.04000 |
| .947 | -3.180 | .26930 | .10160 | .25940 | .12470 | .00470 | .03040 | -.00580 | .00770 | -.05000 | -.16000 |
| .948 | -2.100 | .26800 | .10210 | .25810 | .12500 | .00630 | .00940 | -.00760 | .01090 | .00000 | -.04000 |
| .948 | -1.090 | .26650 | .10300 | .25660 | .12570 | .00620 | -.01090 | -.00950 | .01360 | .10000 | .07000 |
| .946 | -.020 | .26440 | .10200 | .25460 | .12440 | .00650 | -.02990 | -.01160 | .01550 | .03000 | -.03000 |
| .948 | 1.040 | .26770 | .10460 | .25760 | .12750 | .00580 | -.05080 | -.01390 | .01820 | .02000 | -.02000 |
| .946 | 2.080 | .26650 | .10300 | .25660 | .12570 | .00480 | -.07100 | -.01530 | .02060 | .05000 | -.05000 |
| .949 | 3.100 | .26710 | .10700 | .25680 | .12980 | .00550 | -.08940 | -.01760 | .02280 | .05000 | -.05000 |
| .949 | 4.150 | .25910 | .10680 | .24890 | .12880 | .00900 | -.11440 | -.01970 | .02750 | -.03000 | -.04000 |
| .947 | 6.240 | .25080 | .10820 | .24050 | .12940 | .01190 | -.16070 | -.02160 | .03360 | .06000 | -.04000 |
| .948 | 8.350 | .24330 | .11150 | .23270 | .13220 | .02290 | -.19570 | -.02360 | .03600 | -.08000 | -.09000 |
| | GRADIENT | -.00069 | .00074 | -.00075 | .00066 | .00023 | -.01964 | -.00191 | .00262 | -.00065 | .00350 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B052) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 67/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.044 | -6.290 | .29140 | .14700 | .27730 | .17210 | -.00270 | .08350 | .00400 | .00250 | .02000 | -.02000 |
| 1.045 | -4.250 | .28650 | .14610 | .27260 | .17060 | -.00270 | .04180 | -.00180 | .00950 | .04000 | -.06000 |
| 1.047 | -3.200 | .28490 | .14620 | .27100 | .17050 | -.00210 | .02320 | -.00410 | .01160 | .03000 | -.05000 |
| 1.047 | -2.110 | .28340 | .14640 | .26960 | .17050 | -.00030 | .00460 | -.00630 | .01320 | .01000 | -.03000 |
| 1.044 | -1.060 | .28110 | .14710 | .26730 | .17090 | .00100 | -.01220 | -.00890 | .01440 | .03000 | -.03000 |
| 1.046 | -.030 | .27940 | .14780 | .26560 | .17140 | .00130 | -.02890 | -.01110 | .01540 | .03000 | -.06000 |
| 1.046 | 1.040 | .28030 | .14910 | .26620 | .17300 | .00170 | -.04620 | -.01340 | .01650 | .02000 | -.03000 |
| 1.045 | 2.120 | .28060 | .15030 | .26650 | .17410 | .00120 | -.06420 | -.01560 | .01760 | .03000 | -.03000 |
| 1.045 | 3.150 | .28010 | .15130 | .26590 | .17500 | .00170 | -.08110 | -.01820 | .01900 | .02000 | -.02000 |
| 1.046 | 4.200 | .27870 | .15230 | .26440 | .17590 | .00160 | -.09930 | -.02090 | .02090 | .01000 | -.02000 |
| 1.047 | 6.290 | .27950 | .15480 | .26500 | .17850 | -.00030 | -.14260 | -.02550 | .02720 | .01000 | -.02000 |
| 1.045 | 8.400 | .27900 | .15500 | .26440 | .17870 | .00650 | -.19020 | -.03050 | .03550 | .01000 | -.04000 |
| | GRADIENT | -.00082 | .00079 | -.00087 | .00069 | .00051 | -.01654 | -.00224 | .00124 | -.00189 | .00395 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R28053) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 88/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -6.330 | .24290 | .07740 | .23520 | .09850 | .01560 | .10590 | -.00160 | -.00410 | .02000 | .03000 |
| .901 | -4.230 | .24300 | .07820 | .23520 | .09930 | .02100 | .05800 | -.00530 | .00380 | .01000 | .04000 |
| .899 | -3.180 | .22150 | .07990 | .21420 | .09880 | .01320 | .03420 | -.00670 | .00720 | .01000 | .03000 |
| .900 | -2.130 | .25180 | .07910 | .24380 | .10110 | .03190 | .01070 | -.00810 | .01090 | .03000 | .08000 |
| .900 | -1.080 | .22400 | .08120 | .21620 | .10030 | .01760 | -.01160 | -.01040 | .01360 | .00000 | .04000 |
| .901 | -.030 | .23500 | .08230 | .22700 | .10240 | .02360 | -.03460 | -.01210 | .01650 | -.05000 | .07000 |
| .899 | 1.080 | .23700 | .08260 | .22900 | .10290 | .02380 | -.05970 | -.01350 | .02000 | .05000 | -.02000 |
| .898 | 2.090 | .22190 | .08190 | .21400 | .10070 | .01820 | -.08260 | -.01460 | .02310 | -.07000 | .06000 |
| .900 | 3.150 | .23580 | .08300 | .22770 | .10310 | .02100 | -.10660 | -.01620 | .02680 | .07000 | -.04000 |
| .901 | 4.210 | .23230 | .08240 | .22430 | .10220 | .01860 | -.12780 | -.01750 | .02960 | .03000 | .01000 |
| .901 | 6.200 | .23240 | .08510 | .22410 | .10490 | .01560 | -.14940 | -.01760 | .04040 | .03000 | .00000 |
| .899 | 8.360 | .20960 | .08630 | .20150 | .10390 | .01040 | -.20990 | -.02010 | .03870 | .06000 | -.06000 |
| | GRADIENT | -.00075 | .00052 | -.00078 | .00042 | -.00012 | -.02210 | -.00147 | .00304 | .00178 | -.00683 |

RUN NO. 75/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.320 | .26610 | .10120 | .25610 | .12420 | .01030 | .10090 | .00090 | -.00470 | .05000 | -.02000 |
| .946 | -4.210 | .27220 | .10090 | .26230 | .12440 | .00460 | .05340 | -.00350 | .00390 | .04000 | -.01000 |
| .947 | -3.170 | .26990 | .10000 | .26010 | .12320 | .00470 | .03070 | -.00570 | .00770 | .03000 | -.03000 |
| .948 | -2.130 | .27210 | .10170 | .26210 | .12510 | .00500 | .00980 | -.00740 | .01090 | .09000 | .01000 |
| .949 | -1.100 | .26840 | .10240 | .25840 | .12540 | .00650 | -.00980 | -.00950 | .01340 | .00000 | .02000 |
| .949 | -.020 | .26650 | .10420 | .25650 | .12680 | .00660 | -.03050 | -.01180 | .01600 | .03000 | .01000 |
| .949 | 1.010 | .26620 | .10470 | .25610 | .12730 | .00590 | -.04960 | -.01360 | .01830 | .04000 | -.01000 |
| .948 | 2.090 | .26780 | .10530 | .25770 | .12800 | .00480 | -.07040 | -.01530 | .02050 | .03000 | -.02000 |
| .946 | 3.130 | .26510 | .10460 | .25510 | .12710 | .00600 | -.09260 | -.01720 | .02400 | .04000 | -.03000 |
| .948 | 4.180 | .25810 | .10560 | .24800 | .12750 | .00900 | -.11630 | -.01950 | .02820 | .05000 | -.05000 |
| .949 | 6.170 | .25020 | .10950 | .23980 | .13070 | .01250 | -.13630 | -.02100 | .03910 | .01000 | -.08000 |
| .948 | 8.350 | .24340 | .11070 | .23290 | .13130 | .02180 | -.19540 | -.02320 | .03590 | .07000 | -.04000 |
| | GRADIENT | -.00129 | .00067 | -.00132 | .00050 | .00032 | -.01982 | -.00188 | .00270 | -.00015 | -.00399 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B054) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 76/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -6.330 | .12200 | .11100 | .11200 | .12110 | .10130 | .10230 | .00520 | -.00340 | -9.95000 | .01000 |
| .946 | -4.260 | .11660 | .11210 | .10660 | .12170 | .10540 | .05750 | -.00110 | .00400 | -9.91000 | -.01000 |
| .947 | -3.210 | .11710 | .11430 | .10700 | .12390 | .10680 | .03580 | -.00430 | .00690 | -9.87000 | -.05000 |
| .947 | -2.150 | .11450 | .11440 | .10440 | .12370 | .10950 | .01370 | -.00700 | .01010 | -9.90000 | -.01000 |
| .948 | -1.100 | .11380 | .11540 | .10360 | .12470 | .11030 | -.00810 | -.00950 | .01310 | -9.91000 | .00000 |
| .950 | -.020 | .11410 | .11790 | .10370 | .12710 | .11020 | -.03050 | -.01210 | .01580 | -9.90000 | .00000 |
| .948 | 1.000 | .11290 | .11750 | .10250 | .12670 | .11050 | -.05200 | -.01400 | .01860 | -9.90000 | .00000 |
| .944 | 2.080 | .11140 | .11840 | .10100 | .12750 | .11100 | -.07490 | -.01600 | .02160 | -9.89000 | .00000 |
| .946 | 3.110 | .10830 | .11710 | .09800 | .12590 | .11060 | -.09590 | -.01840 | .02420 | -9.88000 | -.01000 |
| .946 | 4.160 | .10510 | .11700 | .09480 | .12550 | .10860 | -.11820 | -.02150 | .02720 | -9.89000 | -.02000 |
| .948 | 6.260 | .10320 | .11930 | .09280 | .12760 | .10620 | -.15930 | -.02440 | .03130 | -9.97000 | -.07000 |
| .946 | 8.350 | .10540 | .12020 | .09480 | .12870 | .10890 | -.19740 | -.02740 | .03540 | -10.03000 | -.04000 |
| | GRADIENT | -.00126 | .00060 | -.00130 | .00049 | .00043 | -.02087 | -.00232 | .00274 | .00126 | .00159 |

RUN NO. 68/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -6.320 | .16400 | .15700 | .14950 | .17090 | .08410 | .09800 | .00580 | -.00210 | -9.93000 | .00000 |
| 1.045 | -4.270 | .16000 | .15700 | .14570 | .17040 | .08510 | .05570 | -.00010 | .00450 | -9.92000 | -.01000 |
| 1.046 | -3.210 | .15630 | .15760 | .14200 | .17060 | .08720 | .03240 | -.00340 | .00800 | -9.91000 | -.01000 |
| 1.044 | -2.120 | .15590 | .15760 | .14150 | .17060 | .08920 | .01120 | -.00650 | .01100 | -9.91000 | -.01000 |
| 1.045 | -1.070 | .15460 | .15770 | .14030 | .17060 | .08940 | -.00940 | -.00910 | .01350 | -9.94000 | .00000 |
| 1.045 | .000 | .15380 | .15930 | .13940 | .17210 | .08920 | -.03070 | -.01160 | .01580 | -9.94000 | .01000 |
| 1.045 | 1.040 | .15530 | .16090 | .14060 | .17380 | .08900 | -.05070 | -.01390 | .01830 | -9.94000 | .01000 |
| 1.046 | 2.110 | .15610 | .16280 | .14130 | .17590 | .08790 | -.07230 | -.01660 | .02110 | -9.94000 | .01000 |
| 1.045 | 3.140 | .15610 | .16490 | .14110 | .17790 | .08850 | -.09290 | -.01970 | .02390 | -9.94000 | .02000 |
| 1.045 | 4.200 | .15340 | .16640 | .13830 | .17910 | .08880 | -.11370 | -.02240 | .02650 | -9.94000 | .02000 |
| 1.045 | 6.310 | .15180 | .16790 | .13660 | .18050 | .08760 | -.16010 | -.02630 | .03310 | -9.94000 | .03000 |
| 1.046 | 8.420 | .15530 | .16590 | .14020 | .17880 | .08960 | -.20050 | -.03140 | .03790 | -9.92000 | .01000 |
| | GRADIENT | -.00041 | .00115 | -.00051 | .00111 | .00025 | -.01987 | -.00257 | .00253 | -.00363 | .00409 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B055) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 77/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -6.330 | .12430 | .11130 | .11420 | .12170 | .10110 | .10180 | .00540 | -.00330 | -9.96000 | .06000 |
| .948 | -4.240 | .12230 | .11340 | .11200 | .12350 | .10490 | .05620 | -.00070 | .00430 | -9.86000 | .13000 |
| .948 | -3.190 | .11700 | .11410 | .10680 | .12380 | .10770 | .03480 | -.00420 | .00710 | -9.94000 | .03000 |
| .948 | -2.140 | .11940 | .11480 | .10900 | .12470 | .10890 | .01310 | -.00690 | .01040 | -9.89000 | -.01000 |
| .948 | -1.090 | .11540 | .11430 | .10520 | .12380 | .11010 | -.00960 | -.00910 | .01360 | -9.94000 | -.05000 |
| .946 | -.020 | .11540 | .11800 | .10490 | .12740 | .11020 | -.03160 | -.01180 | .01620 | -9.88000 | -.01000 |
| .948 | 1.020 | .11470 | .11930 | .10410 | .12870 | .11010 | -.05270 | -.01350 | .01870 | -9.88000 | .04000 |
| .946 | 2.100 | .10990 | .11740 | .09950 | .12630 | .11110 | -.07650 | -.01600 | .02170 | -9.96000 | .01000 |
| .947 | 3.160 | .10850 | .11730 | .09220 | .12610 | .11010 | -.09720 | -.01870 | .02430 | -9.94000 | .01000 |
| .949 | 4.200 | .11070 | .12050 | .10010 | .12950 | .10740 | -.11970 | -.02230 | .02770 | -9.93000 | .03000 |
| .945 | 6.170 | .10550 | .11860 | .09500 | .12710 | .10520 | -.13570 | -.02260 | .03770 | -9.88000 | .08000 |
| .947 | 8.360 | .10680 | .12090 | .09610 | .12950 | .10840 | -.19820 | -.02740 | .03560 | -9.93000 | .06000 |
| | GRADIENT | -.00145 | .00076 | -.00148 | .00061 | .00034 | -.02085 | -.00241 | .00273 | -.00569 | -.00519 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B056) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 78/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.240 | .71620 | .09840 | .66630 | .28060 | .04380 | .08450 | .00930 | .00190 | -9.90000 | -.01000 |
| .949 | -4.180 | .71230 | .09990 | .66200 | .28120 | .04480 | .04660 | .00260 | .00450 | -9.89000 | -.01000 |
| .946 | -3.130 | .70860 | .10090 | .65840 | .28120 | .04660 | .02640 | -.00070 | .00560 | -9.90000 | -.01000 |
| .947 | -2.080 | .70990 | .10220 | .65920 | .28250 | .04540 | .00850 | -.00360 | .00650 | -9.91000 | .00000 |
| .947 | -1.040 | .70770 | .10280 | .65680 | .28280 | .04520 | -.00950 | -.00640 | .00700 | -9.91000 | .00000 |
| .945 | .020 | .70690 | .10350 | .65600 | .28290 | .04520 | -.02920 | -.00900 | .00810 | -9.91000 | .00000 |
| .947 | 1.060 | .70630 | .10340 | .65540 | .28290 | .04450 | -.04960 | -.01180 | .00980 | -9.90000 | -.01000 |
| .947 | 2.060 | .71580 | .10400 | .66430 | .28610 | .04070 | -.06300 | -.01650 | .01920 | -9.89000 | -.01000 |
| .947 | 3.120 | .70350 | .10130 | .65330 | .28000 | .04370 | -.08430 | -.01900 | .02040 | -9.89000 | -.01000 |
| .947 | 4.180 | .71720 | .10380 | .66570 | .28630 | .03850 | -.10650 | -.02270 | .02360 | -9.89000 | -.02000 |
| .946 | 6.310 | .70790 | .10470 | .65660 | .28460 | .04280 | -.14290 | -.02520 | .02210 | -9.88000 | -.03000 |
| .949 | 8.430 | .71350 | .10510 | .66180 | .28670 | .04800 | -.17530 | -.02870 | .02110 | -9.88000 | -.02000 |
| | GRADIENT | .00022 | .00034 | .00013 | .00038 | -.00070 | -.01802 | -.00299 | .00238 | .00127 | -.00112 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B057) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 79/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.240 | .70910 | .09700 | .65980 | .27730 | .04630 | .08370 | .00900 | .00210 | -9.91000 | -.03000 |
| .945 | -4.250 | .70210 | .09940 | .65250 | .27760 | .04760 | .05460 | -.00020 | .01280 | -9.92000 | -.01000 |
| .949 | -3.200 | .70770 | .10140 | .65740 | .28110 | .04490 | .03510 | -.00330 | .01390 | -9.91000 | -.01000 |
| .949 | -2.160 | .70660 | .10210 | .65610 | .28140 | .04510 | .01700 | -.00610 | .01420 | -9.91000 | .00000 |
| .947 | -1.110 | .70980 | .10310 | .65880 | .28340 | .04400 | -.00090 | -.00880 | .01430 | -9.89000 | .01000 |
| .949 | -.040 | .71120 | .10370 | .65990 | .28470 | .04240 | -.02020 | -.01160 | .01510 | -9.89000 | .01000 |
| .945 | 1.010 | .71400 | .10380 | .66260 | .28560 | .04200 | -.04070 | -.01410 | .01660 | -9.93000 | .05000 |
| .947 | 2.090 | .71080 | .10280 | .65970 | .28400 | .04270 | -.06260 | -.01650 | .01850 | -9.95000 | .00000 |
| .947 | 3.150 | .71320 | .10220 | .66220 | .28400 | .04130 | -.08590 | -.01930 | .02110 | -9.94000 | .04000 |
| .948 | 4.210 | .71190 | .10310 | .66080 | .28440 | .03990 | -.10700 | -.02260 | .02380 | -9.91000 | .05000 |
| .945 | 6.350 | .70420 | .10410 | .65320 | .28310 | .04490 | -.14380 | -.02520 | .02190 | -9.96000 | -.02000 |
| .948 | 8.430 | .70720 | .10380 | .65600 | .28370 | .04990 | -.17550 | -.02880 | .02110 | -9.88000 | -.01000 |
| | GRADIENT | .00107 | .00030 | .00092 | .00068 | -.00076 | -.01903 | -.00258 | .00121 | -.00269 | .00676 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B058) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT., XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 80/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -4.170 | .81040 | .09290 | .75850 | .30010 | -.02690 | .03810 | .00270 | .00780 | .01000 | -.06000 |
| .946 | -3.130 | .81320 | .09480 | .76050 | .30320 | -.02670 | .01940 | -.00090 | .00880 | .04000 | -.03000 |
| .950 | -2.080 | .81630 | .09800 | .76280 | .30660 | -.02930 | .00130 | -.00360 | .00920 | .04000 | -.02000 |
| .947 | -1.040 | .81150 | .09770 | .75820 | .30550 | -.02690 | -.01450 | -.00680 | .00930 | .03000 | -.02000 |
| .946 | .030 | .80360 | .09740 | .75070 | .30300 | -.02540 | -.03280 | -.00960 | .00950 | .04000 | -.03000 |
| .947 | 1.060 | .80760 | .09780 | .75440 | .30440 | -.02730 | -.05090 | -.01220 | .01030 | .04000 | -.04000 |
| .947 | 2.060 | .80540 | .09770 | .75240 | .30360 | -.02870 | -.06240 | -.01730 | .01900 | .04000 | -.05000 |
| .946 | 3.110 | .80350 | .09720 | .75070 | .30250 | -.02850 | -.08290 | -.02030 | .02060 | .04000 | -.05000 |
| .947 | 4.180 | .81040 | .09820 | .75700 | .30550 | -.03080 | -.10200 | -.02350 | .02200 | .05000 | -.05000 |
| .947 | 6.310 | .80060 | .09720 | .74790 | .30190 | -.02510 | -.13650 | -.02580 | .01950 | -.03000 | .00000 |
| .949 | 8.430 | .80850 | .09680 | .75540 | .30390 | -.02040 | -.16810 | -.02850 | .01790 | -.04000 | -.10000 |
| | GRADIENT | -.00088 | .00045 | -.00096 | .00020 | -.00032 | -.01650 | -.00313 | .00180 | .00272 | -.00159 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R28059) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 81/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.240 | .80880 | .08970 | .75780 | .29670 | -.02390 | .07720 | .01010 | .00410 | .03000 | -.04000 |
| .947 | -4.240 | .80130 | .09200 | .75000 | .29670 | -.02350 | .04600 | .00000 | .01610 | .02000 | -.05000 |
| .947 | -3.200 | .80290 | .09440 | .75090 | .29940 | -.02430 | .02750 | -.00350 | .01680 | .02000 | -.06000 |
| .948 | -2.160 | .80320 | .09600 | .75080 | .30100 | -.02480 | .01100 | -.00660 | .01690 | .02000 | -.05000 |
| .949 | -1.110 | .81010 | .09820 | .75670 | .30540 | -.02780 | -.00550 | -.00940 | .01690 | .04000 | -.05000 |
| .948 | -.050 | .81750 | .09930 | .76340 | .30880 | -.03000 | -.02280 | -.01200 | .01680 | .05000 | -.02000 |
| .948 | 1.000 | .82250 | .09950 | .76800 | .31060 | -.03200 | -.04180 | -.01470 | .01790 | .04000 | -.02000 |
| .946 | 2.090 | .80370 | .09710 | .75070 | .30300 | -.02770 | -.06290 | -.01740 | .01860 | .02000 | -.05000 |
| .949 | 3.150 | .81960 | .09920 | .76540 | .30950 | -.03260 | -.08310 | -.02040 | .02080 | -.17000 | -.03000 |
| .946 | 4.220 | .81610 | .09870 | .76220 | .30790 | -.03160 | -.10330 | -.02360 | .02190 | .06000 | -.04000 |
| .946 | 6.350 | .80560 | .09730 | .75250 | .30360 | -.02560 | -.13800 | -.02630 | .01980 | .02000 | -.07000 |
| .948 | 8.430 | .80670 | .09590 | .75390 | .30250 | -.01940 | -.16830 | -.02860 | .01800 | .05000 | -.03000 |
| | GRADIENT | .00192 | .00070 | .00162 | .00132 | -.00106 | -.01753 | -.00271 | .00063 | -.00649 | .00251 |

ARC 200-1 II(LA77) OV101 0 TO - TO + TO 0 BETA (R28060) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 82/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | .080 | .81510 | .09920 | .76120 | .30800 | -.02910 | -.03330 | -.00930 | .00910 | .04000 | -.03000 |
| .947 | -1.040 | .81060 | .09770 | .75740 | .30490 | -.02730 | -.01480 | -.00670 | .00920 | .04000 | -.03000 |
| .948 | -2.080 | .81250 | .09680 | .75950 | .30450 | -.02760 | .00140 | -.00390 | .00920 | .05000 | -.03000 |
| .948 | -3.120 | .81060 | .09510 | .75810 | .30220 | -.02770 | .01800 | -.00090 | .00880 | .05000 | -.03000 |
| .949 | -4.170 | .81180 | .09330 | .75970 | .30090 | -.02700 | .03690 | .00260 | .00780 | -.01000 | -.07000 |
| .947 | -3.130 | .80630 | .09420 | .75410 | .30060 | -.02500 | .01890 | -.00100 | .00870 | .01000 | -.03000 |
| .947 | -2.080 | .81040 | .09620 | .75750 | .30360 | -.02620 | .00120 | -.00410 | .00920 | .01000 | -.03000 |
| .947 | -1.030 | .81590 | .09860 | .76210 | .30760 | -.02900 | -.01490 | -.00660 | .00910 | .00000 | -.03000 |
| .946 | .060 | .80900 | .09840 | .75550 | .30540 | -.02710 | -.03300 | -.00960 | .00930 | .01000 | -.04000 |
| .946 | 1.060 | .80400 | .09740 | .75100 | .30300 | -.02610 | -.05070 | -.01230 | .01060 | .04000 | .00000 |
| .945 | 2.050 | .81090 | .09830 | .75750 | .30570 | -.02950 | -.06280 | -.01760 | .01940 | .01000 | -.05000 |
| .949 | 3.110 | .81160 | .09860 | .75810 | .30630 | -.03110 | -.08240 | -.02020 | .02080 | .04000 | -.02000 |
| .944 | 4.180 | .80730 | .09730 | .75430 | .30370 | -.02930 | -.10350 | -.02340 | .02190 | .01000 | -.08000 |
| .948 | 3.150 | .81340 | .09850 | .75960 | .30690 | -.03110 | -.08350 | -.02030 | .02080 | .00000 | -.07000 |
| .949 | 2.090 | .81970 | .09920 | .76540 | .30970 | -.03200 | -.06280 | -.01740 | .01940 | .03000 | -.03000 |
| .947 | 1.010 | .81460 | .09850 | .76090 | .30730 | -.02960 | -.04200 | -.01470 | .01780 | .03000 | .00000 |
| .948 | -.010 | .81490 | .09920 | .76100 | .30800 | -.02980 | -.02340 | -.01200 | .01690 | -.06000 | -.03000 |
| | GRADIENT | .00015 | .00053 | -.00001 | .00060 | -.00057 | -.01625 | -.00313 | .00195 | .00013 | -.00121 |

ARC 200-1 11(LA77) OV101 0 TO - TO + TO 0 BETA (R2B061) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 83/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .946 | .010 | .26600 | .10280 | .25610 | .12540 | .00710 | -.03100 | -.01170 | .01570 | .01000 | -.01000 |
| .949 | -1.090 | .26780 | .10350 | .25770 | .12650 | .00740 | -.01080 | -.00960 | .01350 | -.03000 | .04000 |
| .947 | -2.130 | .27030 | .10140 | .26030 | .12470 | .00680 | .01000 | -.00730 | .01070 | .03000 | -.02000 |
| .946 | -3.180 | .26970 | .10050 | .25990 | .12370 | .00560 | .03100 | -.00550 | .00750 | .03000 | .00000 |
| .947 | -4.220 | .27200 | .10070 | .26210 | .12420 | .00510 | .05330 | -.00340 | .00360 | .04000 | .01000 |
| .948 | -3.200 | .27090 | .10160 | .26100 | .12490 | .00470 | .03060 | -.00530 | .00770 | .07000 | .00000 |
| .946 | -2.140 | .26860 | .10110 | .25870 | .12420 | .00670 | .01050 | -.00730 | .01060 | .04000 | -.06000 |
| .949 | -1.100 | .26820 | .10430 | .25810 | .12720 | .00690 | -.01100 | -.00990 | .01370 | .04000 | -.07000 |
| .946 | .000 | .26570 | .10170 | .25590 | .12440 | .00700 | -.03050 | -.01170 | .01530 | -.09000 | -.04000 |
| .948 | 1.000 | .27020 | .10530 | .26000 | .12860 | .00610 | -.05000 | -.01360 | .01820 | .01000 | .10000 |
| .947 | 2.070 | .27110 | .10450 | .26100 | .12780 | .00310 | -.07030 | -.01490 | .02050 | .23000 | .04000 |
| .948 | 3.100 | .26800 | .10520 | .25780 | .12820 | .00570 | -.09070 | -.01750 | .02330 | -.04000 | -.08000 |
| .947 | 4.150 | .26090 | .10650 | .25070 | .12880 | .00880 | -.11510 | -.01950 | .02790 | .01000 | -.01000 |
| .947 | 3.120 | .26550 | .10570 | .25540 | .12840 | .00620 | -.09120 | -.01730 | .02350 | .00000 | .01000 |
| .948 | 2.090 | .26740 | .10510 | .25730 | .12790 | .00530 | -.07070 | -.01520 | .02050 | -.01000 | .04000 |
| .947 | 1.020 | .26730 | .10440 | .25730 | .12710 | .00600 | -.04990 | -.01350 | .01810 | .11000 | -.02000 |
| .946 | .000 | .26930 | .10450 | .25920 | .12750 | .00620 | -.03110 | -.01190 | .01590 | .08000 | -.06000 |
| | GRADIENT | -.00070 | .00071 | -.00074 | .00063 | .00008 | -.01955 | -.00189 | .00260 | -.00143 | .00151 |

ARC 200-1 11(LA77) OV101 (R28062) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 115/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .600 | -1.940 | -.12910 | .06240 | -.12690 | .06670 | .02990 | -.01750 | -.00630 | .00840 | -.02000 | -.04000 |
| .600 | .010 | -.03910 | .06340 | -.03910 | .06340 | .02900 | -.01760 | -.00630 | .00820 | -.01000 | -.04000 |
| .601 | 2.030 | .05500 | .06010 | .05290 | .06210 | .02900 | -.01670 | -.00630 | .00800 | -.01000 | -.04000 |
| .601 | 4.050 | .15120 | .05380 | .14700 | .06440 | .02790 | -.01590 | -.00640 | .00770 | -.01000 | -.04000 |
| .599 | 6.000 | .24880 | .04480 | .24280 | .07060 | .02580 | -.01580 | -.00620 | .00730 | -.02000 | -.04000 |
| .599 | 8.000 | .35200 | .03270 | .34400 | .08130 | .02290 | -.01600 | -.00640 | .00720 | -.02000 | -.04000 |
| .599 | 10.100 | .46340 | .01780 | .45310 | .09880 | .02130 | -.01670 | -.00650 | .00710 | -.03000 | -.03000 |
| .599 | 11.040 | .51190 | .01130 | .50020 | .10910 | .02250 | -.01690 | -.00640 | .00690 | -.03000 | -.03000 |
| .600 | 12.030 | .56320 | .00490 | .54980 | .12210 | .02360 | -.01690 | -.00670 | .00680 | -.04000 | -.02000 |
| .600 | 13.010 | .62230 | .00220 | .60580 | .14230 | .02100 | -.01990 | -.00690 | .00840 | -.02000 | -.04000 |
| .600 | 13.990 | .67000 | .00290 | .64940 | .16490 | .02120 | -.02230 | -.00450 | .00940 | -.02000 | -.02000 |
| .600 | 15.020 | .72800 | .00670 | .70140 | .19510 | .01740 | -.02010 | -.00310 | .00830 | -.01000 | -.02000 |
| .600 | 16.000 | .78190 | .00650 | .74980 | .22180 | .01570 | -.01880 | -.00410 | .00700 | -.02000 | -.04000 |
| .600 | 17.990 | .90110 | .01240 | .85330 | .29000 | .00640 | -.01830 | -.00430 | .00680 | -.01000 | -.04000 |
| .600 | 20.000 | 1.02700 | .01560 | .95980 | .36590 | -.00380 | -.02040 | -.00520 | .00750 | -.03000 | -.03000 |
| | GRADIENT | .04678 | -.00146 | .04571 | -.00041 | -.00030 | .00029 | -.00002 | -.00012 | .00149 | -.00000 |

RUN NO. 94/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -1.960 | -.13770 | .15350 | -.13240 | .15810 | .06280 | -.01300 | -.00540 | .00810 | .05000 | -.02000 |
| 1.198 | .000 | -.01230 | .15350 | -.01240 | .15350 | .03360 | -.01190 | -.00520 | .00770 | .02000 | .02000 |
| 1.196 | 2.000 | .11010 | .15180 | .10480 | .15560 | .00870 | -.01260 | -.00530 | .00730 | .03000 | -.02000 |
| 1.198 | 3.980 | .22600 | .15000 | .21500 | .16540 | -.01240 | -.01230 | -.00520 | .00710 | .02000 | -.03000 |
| 1.197 | 5.970 | .34120 | .14790 | .32390 | .18260 | -.03140 | -.01210 | -.00530 | .00700 | .02000 | -.04000 |
| 1.197 | 7.960 | .45160 | .14460 | .42720 | .20580 | -.04430 | -.01180 | -.00520 | .00690 | .02000 | -.01000 |
| 1.197 | 9.960 | .55740 | .13950 | .52480 | .23380 | -.05020 | -.01300 | -.00450 | .00680 | .03000 | -.03000 |
| 1.196 | 10.980 | .61430 | .13760 | .57690 | .25210 | -.05420 | -.01240 | -.00490 | .00640 | .03000 | -.02000 |
| 1.197 | 11.960 | .66910 | .13630 | .62630 | .27200 | -.05750 | -.01250 | -.00480 | .00630 | .01000 | .00000 |
| 1.197 | 12.950 | .72440 | .13660 | .67540 | .29550 | -.06140 | -.01230 | -.00460 | .00650 | .03000 | .00000 |
| 1.197 | 13.970 | .78010 | .13730 | .72380 | .32160 | -.06580 | -.01210 | -.00480 | .00620 | .02000 | -.02000 |
| 1.196 | 14.970 | .83380 | .13810 | .76980 | .34870 | -.06980 | -.01280 | -.00480 | .00650 | .02000 | -.02000 |
| 1.196 | 15.970 | .88810 | .13860 | .81570 | .37760 | -.07450 | -.01280 | -.00480 | .00640 | .01000 | -.01000 |
| 1.196 | 18.040 | 1.00020 | .13780 | .90840 | .44070 | -.08360 | -.01380 | -.00460 | .00650 | .01000 | -.02000 |
| 1.195 | 20.020 | 1.09420 | .13680 | .98130 | .50300 | -.08530 | -.01340 | -.00470 | .00620 | -.04000 | .00000 |
| | GRADIENT | .06122 | -.00062 | .05849 | .00121 | -.01264 | .00007 | .00003 | -.00017 | -.00402 | -.00356 |

ARC 200-1 11(LA77) OV101 (R2B063) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 116/ 0 RN/L = 7.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .600 | -1.940 | -.13010 | .06120 | -.12800 | .06550 | .02660 | -.09640 | -.00910 | .01670 | -.01000 | -.03000 |
| .599 | .050 | -.03750 | .06250 | -.03760 | .06250 | .02510 | -.09600 | -.01030 | .01650 | -.01000 | -.03000 |
| .599 | 2.040 | .05570 | .06040 | .05360 | .06240 | .02540 | -.09500 | -.01150 | .01630 | -.01000 | -.03000 |
| .600 | 4.050 | .15170 | .05480 | .14740 | .06540 | .02400 | -.09490 | -.01260 | .01580 | -.01000 | -.03000 |
| .599 | 6.030 | .25290 | .04570 | .24670 | .07200 | .02190 | -.09510 | -.01400 | .01580 | -.01000 | -.04000 |
| .599 | 8.030 | .35730 | .03350 | .34920 | .08300 | .01990 | -.09530 | -.01570 | .01600 | -.02000 | -.04000 |
| .599 | 10.050 | .46270 | .01860 | .45240 | .09900 | .01910 | -.09390 | -.01830 | .01590 | -.02000 | -.04000 |
| .599 | 11.060 | .51700 | .01140 | .50520 | .11040 | .01870 | -.09370 | -.01950 | .01580 | -.02000 | -.04000 |
| .599 | 12.080 | .57320 | .00430 | .55960 | .12420 | .01840 | -.09290 | -.02000 | .01550 | -.02000 | -.03000 |
| .600 | 13.080 | .62980 | -.00080 | .61360 | .14170 | .01670 | -.09310 | -.01990 | .01550 | -.02000 | -.04000 |
| .600 | 14.100 | .68630 | .00480 | .66440 | .17190 | .01180 | -.09690 | -.01480 | .01710 | -.02000 | -.04000 |
| .600 | 15.070 | .73440 | .00700 | .70740 | .19770 | .00920 | -.09660 | -.01390 | .01670 | -.03000 | -.03000 |
| .600 | 16.040 | .78900 | .01070 | .75530 | .22820 | .00610 | -.09830 | -.01190 | .01750 | -.02000 | -.04000 |
| .600 | 18.080 | .88870 | .01100 | .84140 | .28630 | .00900 | -.09460 | -.01660 | .01720 | -.05000 | .00000 |
| .600 | 19.990 | 1.01430 | .01250 | .94890 | .35850 | -.00250 | -.10360 | -.01450 | .01850 | -.04000 | -.01000 |
| | GRADIENT | .04702 | -.00107 | .04596 | -.00002 | -.00038 | .00028 | -.00062 | -.00015 | .00000 | .00000 |

RUN NO. 95/ 0 RN/L = 6.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.960 | -.14330 | .15700 | -.13790 | .16180 | .06370 | -.08860 | -.01180 | .01480 | .05000 | .00000 |
| 1.198 | .030 | -.01820 | .15580 | -.01820 | .15580 | .03540 | -.08640 | -.01220 | .01390 | .04000 | -.02000 |
| 1.196 | 2.070 | .10650 | .15400 | .10090 | .15770 | .01000 | -.08360 | -.01290 | .01280 | .04000 | .01000 |
| 1.197 | 4.050 | .22450 | .15200 | .21320 | .16750 | -.01160 | -.08120 | -.01340 | .01130 | -.02000 | -.01000 |
| 1.198 | 6.010 | .33870 | .15010 | .32120 | .18480 | -.02920 | -.07750 | -.01360 | .00970 | .00000 | -.01000 |
| 1.197 | 8.000 | .44980 | .14710 | .42490 | .20830 | -.04080 | -.08020 | -.01320 | .01050 | .01000 | -.03000 |
| 1.197 | 10.010 | .56120 | .14320 | .52770 | .23860 | -.04940 | -.07840 | -.01450 | .00940 | -.01000 | -.02000 |
| 1.195 | 11.000 | .61400 | .14240 | .57560 | .25690 | -.05260 | -.07830 | -.01420 | .00900 | .02000 | -.05000 |
| 1.198 | 12.030 | .67010 | .14090 | .62600 | .27750 | -.05680 | -.07900 | -.01400 | .00880 | .02000 | -.04000 |
| 1.197 | 13.040 | .72840 | .14020 | .67800 | .30090 | -.06230 | -.08040 | -.01320 | .00860 | .00000 | -.03000 |
| 1.197 | 14.040 | .78650 | .14020 | .72890 | .32680 | -.06870 | -.08110 | -.01100 | .00790 | -.01000 | -.03000 |
| 1.198 | 15.060 | .84150 | .14010 | .77620 | .35390 | -.07290 | -.08130 | -.01000 | .00690 | -.02000 | -.01000 |
| 1.197 | 16.080 | .89410 | .13980 | .82040 | .38200 | -.07590 | -.07990 | -.01040 | .00530 | .01000 | -.04000 |
| 1.197 | 18.030 | .99030 | .13690 | .89930 | .43670 | -.07960 | -.07790 | -.01120 | .00220 | .00000 | -.03000 |
| | GRADIENT | .06119 | -.00084 | .05842 | .00094 | -.01252 | .00125 | -.00027 | -.00058 | -.01044 | .00003 |

ARC 200-1 II(LA77) OV101 - TO + BETA (R2B064) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 117/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -6.070 | .47390 | .01680 | .46370 | .09930 | .01530 | .09400 | .00940 | -.00520 | -.02000 | -.03000 |
| .598 | -4.060 | .46700 | .01690 | .45690 | .09810 | .01870 | .05470 | .00410 | .00020 | -.01000 | -.03000 |
| .597 | -3.050 | .46460 | .01780 | .45460 | .09850 | .02070 | .03600 | .00170 | .00190 | -.02000 | -.03000 |
| .597 | -2.050 | .46090 | .01850 | .45070 | .09850 | .02270 | .01840 | -.00090 | .00370 | -.02000 | -.03000 |
| .597 | -1.020 | .45870 | .01860 | .44850 | .09800 | .02260 | .00020 | -.00370 | .00560 | -.02000 | -.04000 |
| .597 | -.020 | .45790 | .01860 | .44780 | .09770 | .02260 | -.01670 | -.00640 | .00690 | -.02000 | -.03000 |
| .597 | .950 | .45770 | .01880 | .44750 | .09800 | .02220 | -.03390 | -.00880 | .00890 | -.02000 | -.03000 |
| .597 | 2.000 | .46030 | .01890 | .45000 | .09890 | .02170 | -.05320 | -.01150 | .01100 | -.03000 | -.03000 |
| .596 | 3.030 | .46010 | .01910 | .44970 | .09910 | .02110 | -.07240 | -.01450 | .01320 | -.02000 | -.03000 |
| .597 | 4.110 | .45790 | .01900 | .44760 | .09870 | .02010 | -.09130 | -.01770 | .01560 | -.02000 | -.03000 |
| .596 | 6.170 | .45890 | .01980 | .44840 | .09950 | .01550 | -.13470 | -.02160 | .01990 | -.02000 | -.04000 |
| .597 | 8.240 | .46850 | .01840 | .45810 | .09990 | .01540 | -.17420 | -.02590 | .02480 | -.02000 | -.04000 |
| | GRADIENT | -.00086 | .00022 | -.00089 | .00008 | .00007 | -.01782 | -.00266 | .00186 | -.00098 | .00016 |

RUN NO. 96/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -6.190 | .57410 | .13990 | .54080 | .23820 | -.05210 | .08550 | .00860 | .00110 | .04000 | -.03000 |
| 1.197 | -4.140 | .57270 | .13990 | .53940 | .23780 | -.05360 | .05170 | .00440 | .00310 | .04000 | -.03000 |
| 1.198 | -3.110 | .57100 | .13990 | .53780 | .23750 | -.05310 | .03490 | .00200 | .00400 | .04000 | -.03000 |
| 1.198 | -2.080 | .56540 | .13900 | .53250 | .23530 | -.05050 | .01990 | -.00030 | .00490 | .04000 | -.03000 |
| 1.197 | -1.040 | .56090 | .13850 | .52820 | .23400 | -.04930 | .00380 | -.00290 | .00550 | .05000 | -.03000 |
| 1.197 | -.030 | .55570 | .13850 | .52320 | .23290 | -.04820 | -.01190 | -.00460 | .00630 | .01000 | .01000 |
| 1.198 | 1.000 | .55810 | .13920 | .52530 | .23430 | -.04880 | -.02730 | -.00670 | .00700 | .04000 | -.03000 |
| 1.198 | 2.060 | .56530 | .14060 | .53200 | .23730 | -.05040 | -.04270 | -.00960 | .00780 | .04000 | -.03000 |
| 1.197 | 3.110 | .56300 | .14180 | .52960 | .23800 | -.05010 | -.05930 | -.01230 | .00830 | .04000 | -.03000 |
| 1.198 | 4.180 | .56010 | .14290 | .52660 | .23850 | -.04910 | -.07650 | -.01420 | .00940 | .04000 | -.04000 |
| 1.199 | 6.270 | .55530 | .14460 | .52160 | .23920 | -.04730 | -.11660 | -.01800 | .01260 | .02000 | -.04000 |
| 1.198 | 8.380 | .55870 | .14650 | .52460 | .24180 | -.04380 | -.15240 | -.02250 | .01490 | .00000 | -.02000 |
| | GRADIENT | -.00124 | .00035 | -.00127 | .00014 | .00044 | -.01529 | -.00224 | .00073 | -.00015 | -.00066 |

ARC 200-1 11(LA77) OV101 (R2B065) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 110/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.930 | -.14590 | .08050 | -.14310 | .08540 | .04190 | -.01850 | -.00640 | .00990 | -.01000 | -.04000 |
| .899 | -.020 | -.03420 | .08080 | -.03420 | .08090 | .03410 | -.01810 | -.00630 | .00950 | -.01000 | -.04000 |
| .900 | 2.010 | .08150 | .08010 | .07870 | .08290 | .02710 | -.01760 | -.00650 | .00910 | .00000 | -.03000 |
| .900 | 3.010 | .13560 | .07900 | .13130 | .08600 | .02500 | -.01680 | -.00670 | .00870 | .00000 | -.03000 |
| .900 | 3.990 | .18690 | .07830 | .18100 | .09120 | .02350 | -.01740 | -.00650 | .00860 | -.01000 | -.04000 |
| .898 | 5.000 | .24040 | .07700 | .23270 | .09770 | .02180 | -.01650 | -.00690 | .00790 | .01000 | -.05000 |
| .900 | 5.990 | .29200 | .07660 | .28240 | .10670 | .01940 | -.01610 | -.00660 | .00760 | -.02000 | -.05000 |
| .900 | 6.980 | .33410 | .07480 | .32250 | .11490 | .02140 | -.01700 | -.00570 | .00780 | -.01000 | -.02000 |
| .901 | 7.960 | .38860 | .07450 | .37460 | .12760 | .01620 | -.01630 | -.00630 | .00720 | -.03000 | -.04000 |
| .902 | 9.020 | .44070 | .07460 | .42350 | .14280 | .01580 | -.01710 | -.00690 | .00760 | -.01000 | -.03000 |
| .898 | 10.050 | .48600 | .07170 | .46610 | .15540 | .01770 | -.01840 | -.00620 | .00760 | -.02000 | -.04000 |
| .900 | 12.030 | .58410 | .07230 | .55620 | .19250 | .01350 | -.01750 | -.00500 | .00680 | -.02000 | -.03000 |
| .899 | 13.970 | .67580 | .07350 | .63800 | .23450 | .00760 | -.01850 | -.00380 | .00690 | -.05000 | -.03000 |
| .898 | 16.020 | .78520 | .07640 | .73360 | .29010 | -.00070 | -.01900 | -.00430 | .00680 | -.04000 | -.03000 |
| .901 | 18.080 | .89320 | .07770 | .82500 | .35100 | -.00370 | -.02080 | -.00510 | .00670 | -.06000 | -.02000 |
| .901 | 20.010 | .99240 | .07930 | .90540 | .41410 | -.00040 | -.02480 | -.00190 | .00690 | -.04000 | -.01000 |
| | GRADIENT | .05577 | -.00051 | .05428 | .00173 | -.00291 | .00027 | -.00007 | -.00027 | .00208 | -.00059 |

RUN NO. 102/ 0 RN/L = 7.88 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .945 | -1.980 | -.16250 | .10160 | -.15890 | .10720 | .05470 | -.01690 | -.00740 | .00960 | -.06000 | -.03000 |
| .945 | -.010 | -.03990 | .10240 | -.03990 | .10240 | .04140 | -.01590 | -.00710 | .00900 | -.05000 | -.01000 |
| .945 | 1.980 | .08530 | .10030 | .08180 | .10310 | .02480 | -.01460 | -.00690 | .00830 | -.06000 | -.01000 |
| .945 | 3.140 | .15850 | .10050 | .15280 | .10900 | .01600 | -.01500 | -.00690 | .00820 | -.06000 | -.01000 |
| .947 | 4.140 | .22060 | .09990 | .21280 | .11560 | .00900 | -.01440 | -.00700 | .00820 | -.04000 | -.02000 |
| .949 | 5.140 | .28090 | .09930 | .27090 | .12410 | .00220 | -.01490 | -.00710 | .00830 | -.03000 | -.01000 |
| .947 | 6.150 | .34270 | .09750 | .33030 | .13370 | -.00460 | -.01490 | -.00690 | .00780 | -.07000 | -.04000 |
| .947 | 7.030 | .39040 | .09490 | .37590 | .14200 | -.00870 | -.01490 | -.00610 | .00720 | -.05000 | -.02000 |
| .947 | 8.170 | .45530 | .09400 | .43730 | .15770 | -.01410 | -.01580 | -.00600 | .00660 | -.05000 | -.01000 |
| .948 | 9.060 | .50160 | .09340 | .48060 | .17120 | -.01630 | -.01620 | -.00650 | .00620 | -.05000 | -.02000 |
| .949 | 10.170 | .55870 | .09180 | .53370 | .18900 | -.01860 | -.01590 | -.00660 | .00520 | -.06000 | -.01000 |
| .948 | 11.990 | .65100 | .09200 | .61770 | .22530 | -.02160 | -.01800 | -.00550 | .00480 | -.06000 | -.02000 |
| .948 | 14.020 | .75500 | .09280 | .71010 | .27290 | -.02560 | -.02000 | -.00550 | .00450 | -.04000 | -.04000 |
| .948 | 15.980 | .86390 | .09620 | .80410 | .33030 | -.03620 | -.02190 | -.00500 | .00370 | -.05000 | -.04000 |
| .951 | 18.030 | .97820 | .09730 | .90000 | .39540 | -.03790 | -.02000 | -.00630 | .00840 | -.06000 | -.03000 |
| .950 | 20.010 | 1.05900 | .09590 | .96230 | .45240 | -.02870 | -.02580 | -.00460 | .01050 | -.05000 | -.04000 |
| | GRADIENT | .06267 | -.00034 | .06083 | .00126 | -.00759 | .00040 | .00007 | -.00024 | .00161 | .00172 |

ARC 200-1 11(LA77) OV101 (R2B066) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 111/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .902 | -1.990 | -.32640 | .09960 | -.32270 | .11090 | .15300 | -.01770 | -.00460 | .00990 | -9.94000 | .01000 |
| .900 | -.030 | -.20640 | .09840 | -.20630 | .09850 | .14100 | -.01690 | -.00450 | .00940 | -9.94000 | .00000 |
| .899 | 1.980 | -.08500 | .09600 | -.08830 | .09300 | .12950 | -.01660 | -.00470 | .00890 | -9.94000 | -.01000 |
| .901 | 3.090 | -.01510 | .09440 | -.02020 | .09350 | .12000 | -.01600 | -.00510 | .00850 | -9.94000 | -.02000 |
| .900 | 4.040 | .04940 | .09150 | .04280 | .09470 | .10980 | -.01580 | -.00530 | .00820 | -9.95000 | -.02000 |
| .901 | 4.990 | .11480 | .09040 | .10650 | .10010 | .09930 | -.01580 | -.00570 | .00790 | -9.96000 | -.03000 |
| .900 | 6.030 | .18280 | .08700 | .17260 | .10570 | .08850 | -.01610 | -.00510 | .00790 | -9.96000 | -.03000 |
| .900 | 7.040 | .24470 | .08420 | .23260 | .11360 | .08000 | -.01670 | -.00450 | .00780 | -9.96000 | -.03000 |
| .900 | 7.980 | .29020 | .08540 | .27550 | .12490 | .08140 | -.01590 | -.00640 | .00720 | -9.93000 | -.02000 |
| .899 | 9.020 | .33650 | .08390 | .31920 | .13560 | .08340 | -.01690 | -.00550 | .00770 | -9.95000 | -.03000 |
| .900 | 10.070 | .39050 | .08440 | .36980 | .15140 | .08320 | -.01720 | -.00560 | .00740 | -9.96000 | -.03000 |
| .899 | 12.030 | .49140 | .08350 | .46320 | .18410 | .07760 | -.01770 | -.00490 | .00720 | -9.95000 | -.02000 |
| .899 | 13.970 | .57800 | .08430 | .54050 | .22140 | .07720 | -.01890 | -.00400 | .00690 | -9.95000 | -.01000 |
| .899 | 16.010 | .67970 | .08650 | .62950 | .27060 | .07440 | -.02060 | -.00410 | .00660 | -9.95000 | -.02000 |
| .900 | 17.980 | .77260 | .08660 | .70810 | .32100 | .07650 | -.02240 | -.00520 | .00690 | -9.95000 | -.02000 |
| .901 | 19.990 | .85960 | .08800 | .77780 | .37650 | .08450 | -.02400 | -.00480 | .00720 | -9.94000 | -.02000 |
| | GRADIENT | .06283 | -.00136 | .06112 | -.00168 | -.00750 | .00028 | -.00016 | -.00029 | -.00232 | -.00557 |

RUN NO. 103/ 0 RN/L = 7.85 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -1.960 | -.34920 | .12140 | -.34480 | .13330 | .18590 | -.01670 | -.00570 | .00950 | -9.91000 | .00000 |
| .950 | -.030 | -.22450 | .11980 | -.22440 | .12000 | .16950 | -.01610 | -.00580 | .00910 | -9.91000 | .00000 |
| .949 | 2.040 | -.08290 | .11620 | -.08700 | .11310 | .14550 | -.01570 | -.00610 | .00870 | -9.92000 | .00000 |
| .951 | 3.090 | -.00770 | .11680 | -.01400 | .11630 | .13150 | -.01600 | -.00630 | .00850 | -9.93000 | .01000 |
| .950 | 4.020 | .05570 | .11440 | .04760 | .11800 | .11950 | -.01620 | -.00630 | .00850 | -9.94000 | .01000 |
| .949 | 5.010 | .12550 | .11110 | .11530 | .12170 | .10540 | -.01500 | -.00660 | .00820 | -9.93000 | .01000 |
| .950 | 6.020 | .19120 | .10830 | .17880 | .12780 | .09400 | -.01560 | -.00590 | .00820 | -9.93000 | .01000 |
| .948 | 7.030 | .25910 | .10590 | .24420 | .13680 | .08250 | -.01630 | -.00480 | .00800 | -9.94000 | .02000 |
| .950 | 8.020 | .31830 | .10740 | .30020 | .15070 | .07640 | -.01690 | -.00500 | .00770 | -9.93000 | .03000 |
| .949 | 9.020 | .38070 | .10620 | .35930 | .16460 | .06890 | -.01790 | -.00510 | .00670 | -9.94000 | .04000 |
| .949 | 10.080 | .45060 | .10470 | .42530 | .18190 | .05880 | -.01750 | -.00510 | .00580 | -9.95000 | .05000 |
| .951 | 12.040 | .56250 | .10250 | .52870 | .21760 | .04790 | -.01760 | -.00500 | .00440 | -9.93000 | .00000 |
| .949 | 14.030 | .66030 | .10030 | .61630 | .25730 | .04460 | -.02040 | -.00380 | .00420 | -9.95000 | -.01000 |
| .949 | 16.010 | .76370 | .09930 | .70670 | .30610 | .03830 | -.01690 | -.00450 | .00090 | -9.92000 | -.04000 |
| .947 | 17.950 | .86900 | .09760 | .79670 | .36070 | .03400 | -.02560 | -.00360 | .00300 | -9.91000 | .00000 |
| .950 | 19.970 | .97590 | .09830 | .88370 | .42570 | .03500 | -.02430 | -.00360 | .00960 | -9.95000 | .02000 |
| | GRADIENT | .06793 | -.00113 | .06585 | -.00258 | -.01119 | .00009 | -.00011 | -.00018 | -.00498 | .00181 |

ARC 200-1 11(LA77) OV101 (R2B067) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 112/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.940 | -.32420 | .09830 | -.32070 | .10920 | .14670 | -.10820 | -.00900 | .02170 | -9.90000 | .00000 |
| .901 | .030 | -.20710 | .09880 | -.20710 | .09870 | .13690 | -.10670 | -.01100 | .02130 | -9.91000 | .01000 |
| .900 | 2.010 | -.08760 | .09540 | -.09100 | .09220 | .12450 | -.10530 | -.01300 | .02050 | -9.93000 | .02000 |
| .901 | 3.060 | -.02020 | .09430 | -.02520 | .09310 | .11590 | -.10490 | -.01400 | .02010 | -9.90000 | -.01000 |
| .899 | 4.060 | .04660 | .09120 | .04000 | .09430 | .10540 | -.10450 | -.01490 | .01950 | -9.91000 | -.01000 |
| .899 | 5.020 | .11150 | .08960 | .10330 | .09900 | .09650 | -.10370 | -.01600 | .01890 | -9.90000 | -.03000 |
| .901 | 6.030 | .17530 | .08760 | .16510 | .10560 | .08840 | -.10410 | -.01640 | .01850 | -9.92000 | -.01000 |
| .899 | 7.050 | .23550 | .08620 | .22310 | .11440 | .08410 | -.10300 | -.01780 | .01730 | -9.94000 | .00000 |
| .898 | 8.000 | .29110 | .08480 | .27650 | .12450 | .08000 | -.10340 | -.01740 | .01690 | -9.94000 | .01000 |
| .898 | 9.060 | .34300 | .08350 | .32550 | .13650 | .07960 | -.10350 | -.01670 | .01650 | -9.94000 | .00000 |
| .900 | 10.020 | .38640 | .08300 | .36610 | .14900 | .08030 | -.10380 | -.01620 | .01650 | -9.93000 | -.01000 |
| .900 | 12.080 | .49720 | .08290 | .46880 | .18510 | .07100 | -.10610 | -.01660 | .01520 | -9.95000 | -.01000 |
| .899 | 14.090 | .58580 | .08430 | .54760 | .22440 | .07300 | -.10710 | -.01640 | .01280 | -9.94000 | -.01000 |
| .900 | 16.120 | .68080 | .08450 | .63060 | .27020 | .07060 | -.10540 | -.01460 | .00790 | -9.96000 | -.01000 |
| .900 | 18.060 | .76850 | .08220 | .70510 | .31640 | .07530 | -.10370 | -.01390 | .00310 | -9.95000 | -.01000 |
| .899 | 20.050 | .85650 | .08340 | .77600 | .37190 | .08880 | -.09830 | -.01510 | -.00040 | -9.96000 | .00000 |
| | GRADIENT | .06155 | -.00118 | .05987 | -.00257 | -.00674 | .00063 | -.00099 | -.00036 | -.00125 | -.00194 |

RUN NO. 104/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.940 | -.34920 | .12180 | -.34490 | .13360 | .17770 | -.10950 | -.01060 | .02170 | -9.88000 | -.03000 |
| .950 | .050 | -.21920 | .12170 | -.21930 | .12150 | .16140 | -.10810 | -.01330 | .02150 | -9.90000 | -.03000 |
| .950 | 2.050 | -.08400 | .11980 | -.08820 | .11670 | .13940 | -.10720 | -.01590 | .02120 | -9.93000 | -.02000 |
| .949 | 3.070 | -.01290 | .11750 | -.01910 | .11660 | .12640 | -.10610 | -.01690 | .02090 | -9.94000 | -.02000 |
| .950 | 4.020 | .05300 | .11570 | .04480 | .11920 | .11410 | -.10660 | -.01720 | .02110 | -9.96000 | .00000 |
| .948 | 5.060 | .12560 | .11350 | .11510 | .12420 | .10090 | -.10560 | -.01750 | .02090 | -9.98000 | .01000 |
| .949 | 6.040 | .19190 | .11110 | .17910 | .13060 | .09000 | -.10460 | -.01750 | .02080 | -9.96000 | -.02000 |
| .950 | 7.020 | .25350 | .10890 | .23830 | .13910 | .08170 | -.10440 | -.01760 | .02060 | -9.96000 | -.02000 |
| .952 | 8.060 | .32070 | .10950 | .30210 | .15340 | .07380 | -.10340 | -.01770 | .02080 | -9.95000 | -.01000 |
| .948 | 9.030 | .37640 | .10450 | .35530 | .16230 | .06850 | -.10200 | -.01700 | .02000 | -9.96000 | .01000 |
| .949 | 10.040 | .44900 | .10430 | .42390 | .18100 | .05580 | -.10030 | -.01890 | .02000 | -9.93000 | -.02000 |
| .950 | 12.070 | .56760 | .10130 | .53380 | .21780 | .04350 | -.09850 | -.01980 | .01950 | -9.96000 | .02000 |
| .948 | 14.060 | .66730 | .09960 | .62310 | .25870 | .03820 | -.09890 | -.01870 | .01900 | -9.94000 | -.01000 |
| .949 | 16.090 | .76740 | .09870 | .71000 | .30760 | .03600 | -.09500 | -.02000 | .01680 | -9.96000 | .02000 |
| .949 | 18.070 | .88030 | .09920 | .80610 | .36740 | .03170 | -.08610 | -.02270 | .01320 | -9.95000 | .01000 |
| .951 | 20.040 | .96300 | .09760 | .87130 | .42170 | .04060 | -.08460 | -.02160 | .00420 | -9.96000 | .02000 |
| | GRADIENT | .06751 | -.00103 | .06543 | -.00251 | -.01071 | .00054 | -.00115 | -.00012 | -.01323 | .00431 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B063) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 108/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.230 | .80720 | .08870 | .75680 | .29450 | -.02630 | .09310 | .01420 | -.00350 | .00000 | -.04000 |
| .953 | -4.170 | .83100 | .09590 | .77750 | .30860 | -.03780 | .04900 | .00700 | .00160 | .00000 | -.03000 |
| .951 | -3.120 | .81530 | .09270 | .76340 | .30100 | -.03370 | .03180 | .00370 | .00190 | -.02000 | -.04000 |
| .949 | -2.080 | .81450 | .09410 | .76230 | .30190 | -.03480 | .01170 | .00110 | .00400 | -.01000 | -.04000 |
| .949 | -1.030 | .81850 | .09640 | .76550 | .30530 | -.03590 | -.00500 | -.00220 | .00400 | -.01000 | -.03000 |
| .950 | .030 | .81530 | .09680 | .76230 | .30490 | -.03530 | -.02130 | -.00520 | .00410 | -.01000 | -.04000 |
| .951 | 1.060 | .81420 | .09670 | .76130 | .30450 | -.03460 | -.03920 | -.00790 | .00470 | -.01000 | -.05000 |
| .950 | 2.120 | .81360 | .09610 | .76090 | .30370 | -.03470 | -.05740 | -.01090 | .00540 | .00000 | -.06000 |
| .949 | 3.180 | .81510 | .09570 | .76250 | .30370 | -.03490 | -.07640 | -.01410 | .00620 | .01000 | -.06000 |
| .950 | 4.170 | .81750 | .09580 | .76470 | .30460 | -.03540 | -.08920 | -.02010 | .01600 | .00000 | -.05000 |
| .951 | 6.300 | .80470 | .09430 | .75280 | .29970 | -.02890 | -.12840 | -.02410 | .01630 | .00000 | -.04000 |
| .950 | 8.420 | .81040 | .09200 | .75880 | .29930 | -.02190 | -.16320 | -.02830 | .01610 | .01000 | -.04000 |
| | GRADIENT | -.00097 | .00021 | -.00097 | -.00008 | .00012 | -.01673 | -.00305 | .00117 | .00176 | -.00319 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B069) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NU. 109/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.230 | .81460 | .08990 | .76350 | .29790 | -.02860 | .09280 | .01440 | -.00360 | -.01000 | -.02000 |
| .949 | -4.160 | .81910 | .09200 | .76730 | .30110 | -.03290 | .05080 | .00760 | .00050 | -.02000 | -.01000 |
| .951 | -3.190 | .81340 | .09300 | .76150 | .30040 | -.03270 | .03960 | .00170 | .00980 | -.01000 | -.03000 |
| .950 | -2.150 | .81950 | .09630 | .76660 | .30520 | -.03530 | .01990 | -.00130 | .01160 | -.01000 | -.04000 |
| .952 | -1.100 | .81230 | .09560 | .75970 | .30310 | -.03330 | .00330 | -.00420 | .01170 | -.02000 | -.04000 |
| .953 | -.040 | .82140 | .09800 | .76770 | .30820 | -.03570 | -.01310 | -.00740 | .01190 | -.02000 | -.05000 |
| .950 | 1.010 | .81460 | .09590 | .76160 | .30440 | -.03300 | -.03200 | -.00990 | .01270 | -.03000 | -.03000 |
| .953 | 2.090 | .82130 | .09730 | .76760 | .30780 | -.03500 | -.05170 | -.01310 | .01410 | -.05000 | -.02000 |
| .951 | 3.150 | .82090 | .09630 | .76760 | .30650 | -.03490 | -.07070 | -.01670 | .01490 | -.03000 | -.03000 |
| .952 | 4.230 | .82470 | .09730 | .77100 | .30870 | -.03720 | -.09030 | -.02030 | .01620 | -.04000 | -.03000 |
| .952 | 6.350 | .81860 | .09690 | .76520 | .30640 | -.03200 | -.12920 | -.02410 | .01650 | -.03000 | -.04000 |
| .951 | 8.420 | .81980 | .09390 | .76720 | .30380 | -.02430 | -.16240 | -.02840 | .01610 | -.02000 | -.03000 |
| | GRADIENT | .00081 | .00053 | .00059 | .00087 | -.00036 | -.01701 | -.00310 | .00132 | -.00366 | -.00044 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B070) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 105/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.310 | .27410 | .10100 | .26410 | .12480 | .00560 | .11430 | .00690 | -.01210 | -.04000 | -.02000 |
| .951 | -4.240 | .27520 | .09910 | .26550 | .12290 | .00070 | .06850 | .00220 | -.00410 | -.03000 | -.06000 |
| .949 | -3.190 | .27520 | .09870 | .26560 | .12230 | .00050 | .04610 | -.00030 | -.00040 | -.04000 | -.08000 |
| .951 | -2.140 | .27350 | .09870 | .26390 | .12220 | .00190 | .02490 | -.00230 | .00310 | -.04000 | -.08000 |
| .952 | -1.090 | .27250 | .10000 | .26280 | .12330 | .00270 | .00450 | -.00470 | .00610 | -.03000 | -.09000 |
| .949 | -.010 | .27110 | .09970 | .26140 | .12290 | .00280 | -.01630 | -.00690 | .00840 | -.03000 | -.09000 |
| .949 | 1.000 | .27440 | .10040 | .26450 | .12400 | .00170 | -.03590 | -.00900 | .01110 | -.04000 | -.08000 |
| .953 | 2.070 | .27430 | .10340 | .26420 | .12690 | .00120 | -.05540 | -.01140 | .01330 | -.04000 | -.07000 |
| .951 | 3.100 | .27300 | .10290 | .26300 | .12630 | .00180 | -.07640 | -.01380 | .01610 | -.04000 | -.08000 |
| .951 | 4.150 | .26550 | .10310 | .25550 | .12580 | .00400 | -.09990 | -.01580 | .02060 | -.03000 | -.07000 |
| .951 | 6.240 | .25600 | .10740 | .24570 | .12920 | .00990 | -.14770 | -.01900 | .02810 | -.06000 | -.06000 |
| .950 | 8.350 | .24960 | .10730 | .23940 | .12860 | .01730 | -.18840 | -.02210 | .03290 | -.04000 | -.06000 |
| | GRADIENT | -.00067 | .00061 | -.00072 | .00054 | .00023 | -.01973 | -.00214 | .00276 | -.00016 | -.00016 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B071) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 12.500 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 106/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.200 | .67750 | .09010 | .64190 | .23480 | -.01990 | .09890 | .01240 | -.00710 | -.01000 | -.08000 |
| .952 | -4.140 | .69490 | .09310 | .65810 | .24180 | -.03010 | .05460 | .00600 | -.00130 | -.02000 | -.05000 |
| .950 | -3.120 | .69090 | .09210 | .65450 | .23980 | -.02810 | .03480 | .00270 | .00100 | .02000 | -.04000 |
| .951 | -2.080 | .68810 | .09210 | .65170 | .23910 | -.02710 | .01670 | -.00060 | .00270 | .01000 | -.05000 |
| .949 | -1.040 | .68910 | .09290 | .65250 | .24030 | -.02750 | -.00050 | -.00350 | .00360 | .02000 | -.04000 |
| .952 | .020 | .69230 | .09450 | .65530 | .24250 | -.02990 | -.01880 | -.00590 | .00450 | .02000 | -.05000 |
| .949 | 1.030 | .68130 | .09280 | .64510 | .23800 | -.02580 | -.03670 | -.00830 | .00590 | .02000 | -.03000 |
| .949 | 2.120 | .68160 | .09270 | .64530 | .23850 | -.02600 | -.05710 | -.01100 | .00750 | .02000 | -.04000 |
| .950 | 3.150 | .68780 | .09300 | .65120 | .24020 | -.02930 | -.07560 | -.01450 | .00920 | .02000 | -.05000 |
| .952 | 4.220 | .68940 | .09400 | .65250 | .24160 | -.03110 | -.09510 | -.01780 | .01060 | -.02000 | -.02000 |
| .948 | 6.290 | .68210 | .09540 | .64510 | .24120 | -.02620 | -.13160 | -.02260 | .01980 | -.01000 | -.05000 |
| .952 | 8.380 | .69080 | .09740 | .65310 | .24540 | -.02510 | -.16620 | -.02570 | .02060 | -.02000 | -.05000 |
| | GRADIENT | -.00083 | .00012 | -.00083 | -.00005 | -.00006 | -.01776 | -.00275 | .00134 | .00029 | .00191 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B072) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 12.500 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 107/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -6.270 | .68460 | .08970 | .64880 | .23610 | -.02640 | .10210 | .01010 | .00090 | -.03000 | -.02000 |
| .949 | -4.190 | .68040 | .08930 | .64500 | .23440 | -.02610 | .06010 | .00490 | .00500 | -.03000 | -.05000 |
| .951 | -3.160 | .68960 | .09220 | .65350 | .23950 | -.02970 | .03970 | .00110 | .00730 | .00000 | -.04000 |
| .950 | -2.120 | .68230 | .09140 | .64640 | .23690 | -.02570 | .02140 | -.00210 | .00850 | .00000 | -.05000 |
| .950 | -1.090 | .68310 | .09220 | .64690 | .23800 | -.02570 | .00470 | -.00500 | .00930 | .01000 | -.05000 |
| .951 | -.040 | .68790 | .09280 | .65120 | .24030 | -.02640 | -.01340 | -.00760 | .01030 | -.03000 | -.02000 |
| .951 | 1.010 | .69020 | .09350 | .65320 | .24160 | -.02760 | -.03140 | -.01000 | .01170 | .01000 | -.05000 |
| .953 | 2.080 | .69410 | .09450 | .65670 | .24370 | -.02960 | -.05090 | -.01270 | .01360 | -.03000 | -.02000 |
| .950 | 3.150 | .69200 | .09310 | .65510 | .24170 | -.02830 | -.07090 | -.01610 | .01550 | -.03000 | -.02000 |
| .948 | 4.220 | .68780 | .09270 | .65110 | .24020 | -.02750 | -.09220 | -.01970 | .01760 | .00000 | -.05000 |
| .951 | 6.340 | .67700 | .09460 | .64030 | .23930 | -.02530 | -.13230 | -.02250 | .01970 | -.04000 | -.03000 |
| .952 | 8.390 | .68690 | .09640 | .64950 | .24340 | -.02350 | -.16630 | -.02560 | .02040 | -.01000 | -.05000 |
| | GRADIENT | .00106 | .00038 | .00089 | .00074 | -.00018 | -.01779 | -.00279 | .00139 | -.00049 | .00190 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28073) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 113/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.300 | .63540 | .08110 | .59280 | .24250 | .06890 | .10750 | .01060 | .00210 | -9.95000 | -.02000 |
| .900 | -4.220 | .63450 | .08360 | .59120 | .24500 | .07080 | .06360 | .00610 | .00430 | -9.95000 | -.01000 |
| .902 | -3.160 | .62730 | .08330 | .58440 | .24270 | .07280 | .04090 | .00410 | .00510 | -9.95000 | .00000 |
| .900 | -2.110 | .62920 | .08450 | .58600 | .24410 | .07420 | .01990 | .00140 | .00600 | -9.94000 | -.01000 |
| .900 | -1.060 | .63380 | .08560 | .59000 | .24700 | .07420 | .00060 | -.00120 | .00650 | -9.94000 | -.01000 |
| .901 | .020 | .63090 | .08600 | .58710 | .24660 | .07490 | -.02020 | -.00380 | .00670 | -9.95000 | .00000 |
| .897 | 1.050 | .62510 | .08520 | .58180 | .24390 | .07590 | -.03970 | -.00660 | .00760 | -9.94000 | -.03000 |
| .899 | 2.110 | .62950 | .08590 | .58580 | .24590 | .07310 | -.06140 | -.00940 | .00860 | -9.94000 | .00000 |
| .899 | 3.170 | .62570 | .08470 | .58250 | .24360 | .07200 | -.08260 | -.01200 | .00980 | -9.95000 | .01000 |
| .901 | 4.240 | .62440 | .08450 | .58130 | .24310 | .07060 | -.10340 | -.01500 | .01050 | -9.94000 | .00000 |
| .900 | 6.350 | .62450 | .08470 | .58140 | .24330 | .07010 | -.14710 | -.02000 | .01110 | -9.93000 | -.02000 |
| .900 | 8.510 | .63450 | .08350 | .59130 | .24490 | .07140 | -.18760 | -.02450 | .01080 | -9.93000 | -.02000 |
| | GRADIENT | -.00084 | .00016 | -.00085 | -.00007 | -.00006 | -.01959 | -.00252 | .00071 | .00063 | .00111 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B074) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 114/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.300 | .63450 | .08060 | .59220 | .24180 | .06940 | .10680 | .01050 | .00210 | -9.95000 | -.01000 |
| .902 | -4.210 | .63280 | .08380 | .58970 | .24460 | .07090 | .06320 | .00600 | .00410 | -9.94000 | -.01000 |
| .899 | -3.160 | .62890 | .08380 | .58600 | .24340 | .07300 | .04040 | .00390 | .00530 | -9.93000 | -.01000 |
| .901 | -2.110 | .63130 | .08490 | .58790 | .24520 | .07350 | .02050 | .00140 | .00620 | -9.94000 | -.01000 |
| .901 | -1.060 | .63020 | .08510 | .58670 | .24530 | .07400 | .00020 | -.00100 | .00650 | -9.93000 | -.01000 |
| .902 | .020 | .63350 | .08630 | .58940 | .24770 | .07440 | -.02040 | -.00380 | .00670 | -9.94000 | .01000 |
| .900 | 1.070 | .62890 | .08550 | .58520 | .24560 | .07460 | -.04000 | -.00670 | .00750 | -9.94000 | -.01000 |
| .899 | 2.120 | .63250 | .08630 | .58850 | .24720 | .07270 | -.06110 | -.00930 | .00850 | -9.95000 | .01000 |
| .900 | 3.220 | .62850 | .08500 | .58490 | .24510 | .07140 | -.08360 | -.01210 | .00970 | -9.94000 | .00000 |
| .900 | 4.290 | .62770 | .08510 | .58420 | .24470 | .07030 | -.10520 | -.01510 | .01030 | -9.94000 | .00000 |
| .900 | 6.490 | .62800 | .08520 | .58450 | .24500 | .07030 | -.14880 | -.02020 | .01100 | -9.93000 | -.02000 |
| .901 | 8.510 | .63210 | .08260 | .58920 | .24340 | .07150 | -.18730 | -.02440 | .01060 | -9.92000 | -.02000 |
| | GRADIENT | -.00032 | .00019 | -.00040 | .00015 | -.00013 | -.01960 | -.00250 | .00068 | -.00094 | .00172 |

ARC 200-1 11(LA77) OV101 (R2B075) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 97/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -1.900 | -.16750 | .14380 | -.16260 | .14920 | .07450 | -.01510 | -.00640 | .00960 | .02000 | .01000 |
| 1.046 | -.010 | -.04110 | .14280 | -.04110 | .14280 | .05410 | -.01510 | -.00640 | .00910 | .02000 | .01000 |
| 1.046 | 2.020 | .09570 | .14360 | .09050 | .14690 | .02970 | -.01440 | -.00650 | .00880 | .04000 | -.01000 |
| 1.047 | 3.030 | .16130 | .14370 | .15350 | .15210 | .01780 | -.01480 | -.00650 | .00870 | .04000 | -.02000 |
| 1.046 | 4.040 | .22560 | .14370 | .21490 | .15930 | .00650 | -.01480 | -.00650 | .00850 | .02000 | -.01000 |
| 1.047 | 5.000 | .28600 | .14290 | .27240 | .16730 | -.00380 | -.01430 | -.00660 | .00850 | .03000 | -.01000 |
| 1.048 | 6.000 | .34500 | .14130 | .32830 | .17660 | -.01200 | -.01460 | -.00620 | .00840 | .01000 | .01000 |
| 1.047 | 7.020 | .40340 | .14030 | .38330 | .18850 | -.01940 | -.01570 | -.00580 | .00820 | .02000 | -.01000 |
| 1.046 | 8.000 | .45680 | .13850 | .43300 | .20070 | -.02330 | -.01490 | -.00610 | .00830 | .00000 | -.01000 |
| 1.046 | 8.990 | .50860 | .13720 | .48100 | .21490 | -.02650 | -.01590 | -.00590 | .00830 | .02000 | .00000 |
| 1.046 | 9.960 | .56290 | .13580 | .53090 | .23110 | -.03090 | -.01420 | -.00680 | .00750 | -.02000 | .00000 |
| 1.047 | 12.000 | .67930 | .13540 | .63630 | .27370 | -.03890 | -.01330 | -.00660 | .00710 | -.01000 | -.02000 |
| 1.047 | 14.030 | .78880 | .13690 | .73210 | .32410 | -.04440 | -.01550 | -.00620 | .00770 | .00000 | -.03000 |
| 1.045 | 15.920 | .89110 | .13830 | .81900 | .37740 | -.05000 | -.01740 | -.00590 | .00850 | -.01000 | -.02000 |
| 1.046 | 17.930 | 1.02290 | .13550 | .93150 | .44390 | -.06890 | -.02250 | -.00220 | .01000 | .00000 | -.02000 |
| 1.046 | 19.980 | 1.13980 | .13530 | 1.02490 | .51660 | -.08170 | -.01740 | -.00450 | .00760 | .01000 | -.04000 |
| | GRADIENT | .06589 | -.00003 | .06324 | .00269 | -.01147 | .00010 | -.00003 | -.00016 | .00148 | -.00387 |

ARC 200-1 11(LA77) OV101 (R28076) ( 27 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 98/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -2.090 | -.32030 | .15670 | -.31430 | .16830 | .17480 | -.01620 | -.00610 | .00990 | -9.94000 | .02000 |
| 1.046 | .010 | -.17650 | .15520 | -.17660 | .15510 | .14990 | -.01580 | -.00610 | .00950 | -9.92000 | .05000 |
| 1.047 | 1.990 | -.03940 | .15510 | -.04480 | .15360 | .12270 | -.01520 | -.00650 | .00910 | -9.93000 | .02000 |
| 1.045 | 3.020 | .02800 | .15570 | .01980 | .15690 | .11030 | -.01560 | -.00660 | .00890 | -9.93000 | .01000 |
| 1.046 | 4.020 | .09670 | .15470 | .08560 | .16110 | .09560 | -.01480 | -.00680 | .00860 | -9.94000 | .00000 |
| 1.047 | 5.040 | .16330 | .15340 | .14920 | .16720 | .08200 | -.01570 | -.00620 | .00860 | -9.95000 | .00000 |
| 1.046 | 6.030 | .22700 | .15240 | .20970 | .17540 | .07130 | -.01590 | -.00570 | .00880 | -9.96000 | .01000 |
| 1.046 | 6.980 | .28670 | .15170 | .26610 | .18540 | .06190 | -.01630 | -.00590 | .00900 | -9.92000 | .00000 |
| 1.045 | 7.980 | .34730 | .15090 | .32300 | .19770 | .05450 | -.01680 | -.00610 | .00890 | -9.92000 | -.01000 |
| 1.047 | 8.980 | .40560 | .14920 | .37740 | .21070 | .04720 | -.01700 | -.00660 | .00840 | -9.93000 | .00000 |
| 1.048 | 9.980 | .46610 | .14710 | .43360 | .22570 | .03940 | -.01600 | -.00680 | .00770 | -9.93000 | .00000 |
| 1.048 | 12.010 | .58480 | .14470 | .54180 | .26330 | .02790 | -.01680 | -.00690 | .00840 | -9.92000 | -.01000 |
| 1.048 | 13.010 | .64180 | .14340 | .59300 | .28420 | .02320 | -.01700 | -.00640 | .00830 | -9.92000 | .00000 |
| 1.048 | 14.010 | .69650 | .14220 | .64140 | .30650 | .01990 | -.01710 | -.00640 | .00850 | -9.92000 | .00000 |
| 1.047 | 16.020 | .81360 | .14020 | .74330 | .35930 | .00900 | -.01690 | -.00720 | .00820 | -9.92000 | -.01000 |
| 1.048 | 18.010 | .93400 | .13640 | .84600 | .41850 | -.00280 | -.01910 | -.00600 | .00860 | -9.90000 | .00000 |
| 1.043 | 19.990 | 1.05570 | .13190 | .94700 | .48490 | -.01660 | -.01840 | -.00540 | .00760 | -9.90000 | -.02000 |
| | GRADIENT | .06825 | -.00024 | .06547 | -.00117 | -.01296 | .00020 | -.00012 | -.00021 | -.00022 | -.00461 |

ARC 200-1 11(LA77) OV101 (R28077) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 99/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.950 | -.31910 | .16180 | -.31340 | .17260 | .17190 | -.10690 | -.01130 | .02180 | -9.92000 | .00000 |
| 1.047 | .050 | -.18260 | .16050 | -.18280 | .16040 | .14780 | -.10540 | -.01550 | .02160 | -9.94000 | .01000 |
| 1.047 | .360 | -.15970 | .16030 | -.16070 | .15930 | .14320 | -.10460 | -.01600 | .02140 | -9.94000 | .01000 |
| 1.049 | 2.010 | -.04490 | .16030 | -.05050 | .15860 | .12140 | -.10230 | -.01820 | .02080 | -9.95000 | .02000 |
| 1.047 | 3.040 | .02630 | .16020 | .01780 | .16140 | .10760 | -.10170 | -.01870 | .02040 | -9.95000 | .00000 |
| 1.047 | 4.020 | .09260 | .16000 | .08120 | .16610 | .09490 | -.10020 | -.01820 | .02030 | -9.96000 | -.01000 |
| 1.046 | 5.350 | .17710 | .15950 | .16150 | .17530 | .08100 | -.10080 | -.01720 | .02020 | -9.97000 | -.01000 |
| 1.047 | 6.340 | .23880 | .15870 | .21980 | .18410 | .07190 | -.10130 | -.01610 | .02030 | -9.95000 | .03000 |
| 1.047 | 7.290 | .30070 | .15890 | .27810 | .19580 | .06300 | -.10140 | -.01620 | .02080 | -9.93000 | .00000 |
| 1.046 | 8.320 | .36480 | .15830 | .33810 | .20940 | .05460 | -.10100 | -.01800 | .02050 | -9.95000 | .02000 |
| 1.046 | 9.340 | .42760 | .15650 | .39650 | .22380 | .04600 | -.09930 | -.01880 | .02010 | -9.98000 | .03000 |
| 1.047 | 10.420 | .49390 | .15400 | .45790 | .24080 | .03730 | -.09830 | -.01910 | .01940 | -9.97000 | -.01000 |
| 1.047 | 12.430 | .60680 | .15000 | .56020 | .27710 | .02830 | -.09570 | -.01870 | .01760 | -9.97000 | -.01000 |
| 1.046 | 14.370 | .71640 | .14550 | .65790 | .31880 | .02030 | -.09550 | -.01830 | .01590 | -9.93000 | .01000 |
| 1.045 | 16.410 | .83210 | .13950 | .75880 | .36890 | .01280 | -.09760 | -.01770 | .01470 | -9.93000 | .01000 |
| 1.046 | 18.350 | .94210 | .13410 | .85200 | .42390 | .00080 | -.09550 | -.01460 | .01130 | -9.94000 | .01000 |
| 1.047 | 20.310 | 1.03720 | .13120 | .92720 | .48300 | .00150 | -.09190 | -.01420 | .00670 | -9.94000 | .03000 |
| | GRADIENT | .06916 | -.00025 | .06632 | -.00092 | -.01300 | .00115 | .00118 | -.00028 | -.00605 | -.00140 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28078) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 100/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -6.270 | .87540 | .13160 | .80860 | .36020 | -.05080 | .09350 | .00940 | .00080 | -.01000 | -.02000 |
| 1.048 | -4.200 | .87180 | .13240 | .80510 | .35990 | -.05170 | .05480 | .00420 | .00430 | -.04000 | .00000 |
| 1.047 | -3.160 | .87210 | .13390 | .80490 | .36150 | -.05260 | .03650 | .00170 | .00570 | -.08000 | -.02000 |
| 1.048 | -2.100 | .87570 | .13460 | .80810 | .36320 | -.05510 | .01920 | -.00080 | .00670 | -.05000 | -.02000 |
| 1.046 | -1.030 | .87600 | .13550 | .80810 | .36420 | -.05500 | .00180 | -.00360 | .00730 | -.06000 | -.02000 |
| 1.048 | .050 | .87160 | .13630 | .80370 | .36380 | -.05270 | -.01520 | -.00660 | .00770 | -.06000 | -.02000 |
| 1.047 | 1.110 | .86920 | .13700 | .80140 | .36330 | -.05200 | -.03400 | -.00920 | .00920 | -.06000 | -.02000 |
| 1.048 | 2.180 | .86990 | .13650 | .80240 | .36270 | -.05190 | -.05200 | -.01190 | .01020 | -.05000 | -.02000 |
| 1.045 | 3.240 | .86620 | .13750 | .79870 | .36240 | -.05060 | -.07270 | -.01420 | .01230 | -.05000 | -.02000 |
| 1.048 | 4.290 | .87110 | .13610 | .80380 | .36210 | -.05260 | -.09230 | -.01610 | .01400 | -.04000 | -.02000 |
| 1.047 | 6.390 | .86220 | .13710 | .79540 | .35990 | -.04870 | -.13210 | -.02100 | .01620 | -.04000 | -.04000 |
| 1.046 | 8.460 | .86060 | .13800 | .79380 | .36000 | -.04440 | -.16560 | -.02720 | .01610 | -.06000 | -.03000 |
| | GRADIENT | -.00061 | .00048 | -.00066 | .00015 | .00019 | -.01713 | -.00245 | .00106 | .00141 | -.00125 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R28079) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 101/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -6.270 | .87170 | .13160 | .80510 | .35900 | -.04980 | .09270 | .00990 | .00080 | -.06000 | .01000 |
| 1.048 | -4.180 | .87060 | .13260 | .80380 | .35960 | -.05160 | .05460 | .00430 | .00420 | -.05000 | .00000 |
| 1.048 | -3.160 | .87300 | .13360 | .80580 | .36160 | -.05280 | .03640 | .00190 | .00560 | -.06000 | -.01000 |
| 1.047 | -2.080 | .87640 | .13440 | .80890 | .36300 | -.05480 | .01870 | -.00070 | .00650 | -.06000 | -.02000 |
| 1.047 | -1.020 | .87370 | .13520 | .80600 | .36320 | -.05430 | .00110 | -.00360 | .00720 | -.08000 | -.04000 |
| 1.046 | .040 | .87210 | .13600 | .80420 | .36380 | -.05250 | -.01580 | -.00660 | .00780 | -.08000 | -.04000 |
| 1.049 | 1.100 | .87260 | .13590 | .80470 | .36370 | -.05270 | -.03370 | -.00940 | .00900 | -.06000 | -.06000 |
| 1.048 | 2.170 | .87150 | .13640 | .80370 | .36350 | -.05150 | -.05220 | -.01180 | .01030 | -.06000 | -.04000 |
| 1.047 | 3.240 | .87200 | .13630 | .80430 | .36350 | -.05080 | -.07270 | -.01400 | .01210 | -.05000 | -.04000 |
| 1.048 | 4.300 | .87300 | .13590 | .80540 | .36310 | -.05220 | -.09290 | -.01580 | .01410 | -.09000 | .01000 |
| 1.047 | 6.400 | .86390 | .13680 | .79690 | .36070 | -.04810 | -.13260 | -.02080 | .01610 | -.07000 | -.01000 |
| 1.046 | 8.460 | .86590 | .13870 | .79860 | .36220 | -.04540 | -.16500 | -.02700 | .01600 | -.07000 | -.02000 |
| | GRADIENT | -.00007 | .00041 | -.00015 | .00033 | .00019 | -.01716 | -.00245 | .00107 | -.00172 | -.00171 |

ARC 200-1 11(LA77) OV101 (R28080) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 147/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.950 | -.15050 | .08470 | -.14750 | .08980 | .05480 | .00020 | -.00100 | -.00050 | -.03000 | -.04000 |
| .600 | -.010 | -.05970 | .08570 | -.05970 | .08570 | .05400 | .00010 | -.00120 | -.00060 | -.02000 | -.04000 |
| .600 | 2.030 | .03410 | .08300 | .03110 | .08410 | .05380 | .00040 | -.00150 | -.00050 | -.02000 | -.04000 |
| .599 | 4.020 | .12970 | .07650 | .12400 | .08540 | .05290 | .00040 | -.00160 | -.00050 | -.02000 | -.04000 |
| .600 | 6.020 | .22980 | .06690 | .22150 | .09070 | .05030 | .00040 | -.00170 | -.00070 | -.03000 | -.04000 |
| .600 | 7.990 | .33070 | .05490 | .31990 | .10030 | .04760 | .00020 | -.00190 | -.00070 | -.03000 | -.04000 |
| .599 | 10.020 | .43740 | .04050 | .42370 | .11600 | .04530 | .00000 | -.00230 | -.00060 | -.02000 | -.05000 |
| .599 | 11.020 | .48910 | .03340 | .47370 | .12630 | .04690 | -.00070 | -.00230 | -.00080 | -.03000 | -.05000 |
| .600 | 12.030 | .54180 | .02670 | .52440 | .13910 | .04780 | -.00080 | -.00240 | -.00070 | -.02000 | -.05000 |
| .599 | 12.940 | .59660 | .02290 | .57630 | .15590 | .04600 | -.00240 | -.00310 | -.00010 | -.02000 | -.04000 |
| .599 | 14.050 | .65550 | .02410 | .63000 | .18250 | .04460 | -.00570 | .00000 | .00180 | -.02000 | -.03000 |
| .600 | 15.010 | .70880 | .02600 | .67790 | .20870 | .04140 | -.00440 | .00070 | .00050 | -.02000 | -.04000 |
| .600 | 16.030 | .76320 | .02770 | .72590 | .23740 | .03910 | -.00220 | -.00030 | -.00080 | .00000 | -.03000 |
| .600 | 17.980 | .87380 | .03300 | .82100 | .30110 | .03130 | -.00240 | -.00110 | -.00070 | -.03000 | -.03000 |
| .600 | 19.980 | 1.00940 | .03600 | .93630 | .37880 | .01680 | -.00600 | -.00050 | -.00010 | -.02000 | -.04000 |
| | GRADIENT | .04684 | -.00137 | .04538 | -.00074 | -.00030 | .00005 | -.00011 | .00001 | .00149 | -.00000 |

RUN NO. 118/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.203 | -1.960 | -.15320 | .17490 | -.14710 | .18000 | .09340 | .00290 | -.00010 | -.00070 | -.02000 | -.03000 |
| 1.202 | .010 | -.02700 | .17470 | -.02700 | .17470 | .06400 | .00290 | -.00030 | -.00070 | -.05000 | -.06000 |
| 1.204 | 2.000 | .09460 | .17320 | .08850 | .17640 | .03720 | .00200 | -.00030 | -.00070 | -.03000 | -.04000 |
| 1.213 | 4.070 | .21620 | .17070 | .20350 | .18570 | .01370 | .00180 | -.00040 | -.00060 | -.02000 | -.04000 |
| 1.213 | 6.000 | .32710 | .16850 | .30770 | .20180 | -.00610 | .00130 | -.00060 | -.00060 | -.01000 | -.04000 |
| 1.201 | 7.990 | .44060 | .16500 | .41340 | .22470 | -.02020 | .00120 | -.00090 | -.00050 | -.02000 | -.03000 |
| 1.203 | 10.020 | .54680 | .15870 | .51080 | .25150 | -.02720 | .00180 | -.00170 | -.00110 | -.01000 | -.03000 |
| 1.202 | 11.010 | .60230 | .15650 | .56130 | .26860 | -.03210 | .00120 | -.00090 | -.00110 | -.03000 | -.03000 |
| 1.202 | 12.040 | .65920 | .15510 | .61240 | .28920 | -.03560 | .00280 | -.00100 | -.00140 | -.03000 | -.02000 |
| 1.213 | 12.990 | .70960 | .15420 | .65680 | .30970 | -.03930 | .00130 | -.00100 | -.00110 | .02000 | .00000 |
| 1.202 | 13.990 | .76830 | .15440 | .70810 | .33560 | -.04500 | .00090 | -.00090 | -.00080 | -.03000 | -.04000 |
| 1.202 | 15.000 | .82310 | .15430 | .75510 | .36210 | -.04950 | .00170 | -.00130 | -.00120 | -.05000 | -.03000 |
| 1.200 | 16.020 | .87890 | .15410 | .80230 | .39060 | -.05470 | .00100 | -.00130 | -.00100 | -.03000 | -.04000 |
| 1.213 | 17.950 | .97940 | .15120 | .88510 | .44570 | -.06460 | -.00050 | -.00090 | -.00050 | -.04000 | -.03000 |
| 1.201 | 19.940 | 1.07700 | .14860 | .96180 | .50700 | -.06740 | -.00090 | -.00060 | -.00070 | -.03000 | -.04000 |
| | GRADIENT | .06123 | -.00070 | .05812 | .00095 | -.01323 | -.00021 | -.00004 | .00002 | .00104 | -.00047 |

ARC 200-1 11(LA77) OV101 (R2B081) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 930.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 148/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.930 | -.32360 | .09170 | -.32040 | .10250 | .14050 | -.00120 | .00120 | -.00020 | -9.95000 | .00000 |
| .599 | -.020 | -.23290 | .09320 | -.23280 | .09320 | .13880 | -.00100 | .00070 | -.00030 | -9.96000 | .00000 |
| .598 | 2.020 | -.14360 | .09120 | -.14680 | .08610 | .14100 | -.00060 | -.00050 | -.00030 | -9.96000 | .00000 |
| .599 | 4.010 | -.04960 | .08510 | -.05540 | .08140 | .14110 | -.00050 | -.00070 | -.00040 | -9.96000 | -.01000 |
| .599 | 6.040 | .04720 | .07590 | .03890 | .08050 | .13960 | -.00070 | -.00030 | -.00040 | -9.96000 | -.01000 |
| .599 | 8.010 | .14240 | .06440 | .13210 | .08360 | .13880 | -.00120 | -.00040 | -.00030 | -9.96000 | .00000 |
| .598 | 10.000 | .24460 | .05070 | .23200 | .09250 | .13880 | -.00110 | -.00070 | -.00030 | -9.97000 | .01000 |
| .600 | 11.010 | .29310 | .04360 | .27940 | .09880 | .14000 | -.00080 | -.00130 | -.00050 | -9.95000 | -.01000 |
| .599 | 12.020 | .34740 | .03680 | .33210 | .10830 | .14040 | -.00080 | -.00160 | -.00060 | -9.95000 | -.01000 |
| .599 | 12.990 | .40140 | .03050 | .38420 | .12000 | .14140 | -.00120 | -.00210 | -.00070 | -9.95000 | -.01000 |
| .599 | 14.030 | .46080 | .02910 | .44000 | .14000 | .13850 | -.00420 | -.00200 | .00140 | -9.95000 | -.02000 |
| .599 | 15.010 | .51800 | .02990 | .49250 | .16310 | .13460 | -.00410 | -.00060 | .00080 | -9.96000 | -.01000 |
| .599 | 16.060 | .58020 | .03030 | .54920 | .18960 | .12990 | -.00320 | .00030 | .00040 | -9.98000 | .01000 |
| .598 | 18.040 | .69510 | .03200 | .65100 | .24570 | .12350 | -.00250 | -.00070 | -.00100 | -9.95000 | -.01000 |
| .599 | 19.980 | .81760 | .03610 | .75610 | .31330 | .11020 | -.00420 | -.00030 | -.00060 | -9.95000 | -.01000 |
| | GRADIENT | .04588 | -.00110 | .04435 | -.00354 | .00021 | .00013 | -.00035 | -.00003 | -.00150 | -.00152 |

RUN NO. 119/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.235 | -1.910 | -.25180 | .18970 | -.24540 | .19800 | .16350 | .00280 | .00080 | -.00060 | -9.96000 | .03000 |
| 1.200 | -.030 | -.12770 | .18870 | -.12760 | .18870 | .13210 | .00280 | .00040 | -.00080 | -9.94000 | .00000 |
| 1.200 | 2.070 | .00630 | .18580 | -.00040 | .18590 | .10030 | .00280 | .00020 | -.00080 | -9.94000 | .00000 |
| 1.199 | 4.050 | .12600 | .18330 | .11280 | .19180 | .07580 | .00260 | .00000 | -.00080 | -9.93000 | -.02000 |
| 1.199 | 6.000 | .24200 | .17950 | .22190 | .20380 | .05340 | .00190 | -.00010 | -.00080 | -9.93000 | -.02000 |
| 1.201 | 8.020 | .35750 | .17410 | .32970 | .22230 | .03660 | .00210 | -.00070 | -.00100 | -9.94000 | -.02000 |
| 1.199 | 10.060 | .47030 | .16790 | .43370 | .24740 | .02730 | .00080 | -.00010 | -.00080 | -9.92000 | -.01000 |
| 1.201 | 11.040 | .52670 | .16530 | .48530 | .26300 | .02220 | .00130 | -.00020 | -.00090 | -9.98000 | .03000 |
| 1.234 | 12.050 | .57520 | .16050 | .52900 | .27710 | .01840 | .00150 | -.00060 | -.00110 | -9.95000 | .01000 |
| 1.234 | 13.030 | .63360 | .15900 | .58140 | .29780 | .01270 | .00040 | -.00050 | -.00080 | -9.94000 | -.02000 |
| 1.200 | 14.050 | .69690 | .15900 | .63740 | .32340 | .00730 | .00150 | -.00080 | -.00110 | -9.98000 | .01000 |
| 1.235 | 15.000 | .73910 | .15530 | .67380 | .34130 | .00490 | .00310 | -.00120 | -.00190 | -9.96000 | .00000 |
| 1.199 | 16.040 | .80610 | .15470 | .73190 | .37140 | -.00070 | .00200 | -.00140 | -.00170 | -9.95000 | -.01000 |
| 1.200 | 17.990 | .91050 | .15050 | .81950 | .42430 | -.00920 | .00000 | -.00100 | -.00090 | -9.96000 | -.01000 |
| 1.199 | 19.980 | 1.00310 | .14570 | .89300 | .47970 | -.00980 | .00030 | -.00070 | -.00110 | -9.97000 | .00000 |
| | GRADIENT | .06342 | -.00111 | .06014 | -.00105 | -.01475 | -.00003 | -.00013 | -.00003 | .00446 | -.00745 |

ARC 200-1 11(LA77) OV101 (R28082) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 149/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.950 | -.15030 | .08340 | -.14740 | .08850 | .05130 | -.07630 | -.00320 | .00690 | -.03000 | -.04000 |
| .599 | .140 | -.05360 | .08470 | -.05380 | .08460 | .04950 | -.07580 | -.00480 | .00700 | -.02000 | -.03000 |
| .599 | 2.070 | .03640 | .08170 | .03340 | .08300 | .04850 | -.07730 | -.00640 | .00710 | -.02000 | -.03000 |
| .599 | 4.050 | .13190 | .07490 | .12620 | .08400 | .04600 | -.07650 | -.00780 | .00710 | -.02000 | -.03000 |
| .599 | 6.030 | .23350 | .06520 | .22540 | .08940 | .04310 | -.07710 | -.00900 | .00720 | -.03000 | -.05000 |
| .598 | 8.010 | .33690 | .05290 | .32630 | .09930 | .04180 | -.07720 | -.01080 | .00740 | -.03000 | -.05000 |
| .599 | 10.060 | .44280 | .03810 | .42940 | .11490 | .04190 | -.07630 | -.01350 | .00730 | -.04000 | -.02000 |
| .599 | 11.080 | .49720 | .03070 | .48200 | .12570 | .04100 | -.07670 | -.01510 | .00710 | .00000 | -.06000 |
| .599 | 12.060 | .55090 | .02410 | .53370 | .13870 | .04040 | -.07570 | -.01550 | .00700 | .00000 | -.06000 |
| .598 | 13.090 | .60870 | .01810 | .58880 | .15550 | .03940 | -.07660 | -.01510 | .00700 | -.03000 | -.03000 |
| .599 | 14.100 | .66640 | .02330 | .64060 | .18490 | .03380 | -.07970 | -.01040 | .00840 | -.03000 | -.03000 |
| .598 | 15.080 | .71980 | .02590 | .68830 | .21220 | .03180 | -.07960 | -.00960 | .00810 | -.03000 | -.04000 |
| .599 | 16.090 | .77280 | .02670 | .73510 | .23980 | .02940 | -.08000 | -.00810 | .00850 | -.03000 | -.04000 |
| .599 | 18.060 | .86690 | .02640 | .81610 | .29380 | .03310 | -.08020 | -.01140 | .00810 | -.03000 | -.04000 |
| .599 | 20.000 | .99510 | .03050 | .92460 | .36900 | .01880 | -.08590 | -.00990 | .00930 | -.04000 | -.03000 |
| | GRADIENT | .04699 | -.00142 | .04555 | -.00076 | -.00085 | -.00010 | -.00077 | .00004 | .00152 | .00152 |

RUN NO. 120/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.200 | -1.940 | -.15750 | .17760 | -.15140 | .18280 | .09310 | -.07270 | -.00690 | .00630 | .01000 | -.06000 |
| 1.200 | .060 | -.03170 | .17650 | -.03190 | .17650 | .06410 | -.07180 | -.00770 | .00590 | -.02000 | -.06000 |
| 1.199 | 2.060 | .09040 | .17430 | .08410 | .17750 | .03760 | -.07000 | -.00830 | .00530 | -.03000 | -.03000 |
| 1.199 | 4.040 | .20960 | .17120 | .19710 | .18560 | .01470 | -.06800 | -.00880 | .00430 | -.03000 | -.03000 |
| 1.199 | 5.980 | .32340 | .16850 | .30410 | .20130 | -.00400 | -.06600 | -.00960 | .00310 | -.02000 | -.03000 |
| 1.198 | 8.010 | .44160 | .16510 | .41430 | .22500 | -.01940 | -.06560 | -.01030 | .00300 | -.02000 | -.03000 |
| 1.198 | 10.040 | .55240 | .16070 | .51600 | .25450 | -.02820 | -.06580 | -.01170 | .00300 | .00000 | -.06000 |
| 1.200 | 12.060 | .65950 | .15740 | .61200 | .29170 | -.03520 | -.06850 | -.01020 | .00280 | -.02000 | -.04000 |
| 1.234 | 13.040 | .70830 | .15400 | .65530 | .30990 | -.04060 | -.06850 | -.00950 | .00250 | .00000 | -.03000 |
| 1.234 | 14.040 | .76630 | .15290 | .70630 | .33420 | -.04890 | -.07010 | -.00760 | .00210 | -.02000 | -.05000 |
| 1.200 | 15.070 | .83280 | .15320 | .76430 | .36450 | -.05520 | -.07000 | -.00730 | .00110 | -.03000 | -.04000 |
| 1.200 | 16.100 | .88620 | .15220 | .80930 | .39190 | -.05860 | -.06940 | -.00750 | -.00010 | -.03000 | -.04000 |
| 1.198 | 18.040 | .98230 | .14890 | .88800 | .44580 | -.06260 | -.06750 | -.00870 | -.00340 | -.02000 | -.06000 |
| 1.199 | 20.010 | 1.07240 | .14510 | .95800 | .50330 | -.06400 | -.06570 | -.00900 | -.00690 | -.03000 | -.04000 |
| | GRADIENT | .06136 | -.00107 | .05825 | .00047 | -.01313 | .00080 | -.00032 | -.00033 | -.00653 | .00602 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B083) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 150/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -6.080 | .45810 | .03800 | .44440 | .11750 | .03660 | .11050 | .01350 | -.01310 | -.03000 | -.05000 |
| .599 | -4.070 | .44950 | .03830 | .43590 | .11630 | .04110 | .07180 | .00820 | -.00810 | -.03000 | -.06000 |
| .599 | -3.050 | .44800 | .03870 | .43430 | .11640 | .04210 | .05090 | .00540 | -.00580 | -.03000 | -.06000 |
| .599 | -2.040 | .44460 | .03970 | .43080 | .11670 | .04400 | .03280 | .00310 | -.00370 | -.03000 | -.06000 |
| .599 | -1.010 | .44050 | .04070 | .42670 | .11690 | .04570 | .01470 | .00030 | -.00200 | -.03000 | -.06000 |
| .599 | -.020 | .43890 | .04060 | .42520 | .11640 | .04570 | -.00090 | -.00210 | -.00050 | -.02000 | -.05000 |
| .599 | .980 | .43900 | .04060 | .42520 | .11660 | .04590 | -.01780 | -.00440 | .00090 | -.02000 | -.04000 |
| .599 | 1.990 | .44270 | .03940 | .42900 | .11620 | .04420 | -.03630 | -.00670 | .00270 | -.02000 | -.04000 |
| .599 | 3.080 | .44280 | .03860 | .42920 | .11570 | .04290 | -.05480 | -.00960 | .00450 | -.02000 | -.05000 |
| .599 | 4.110 | .44050 | .03850 | .42690 | .11500 | .04260 | -.07470 | -.01290 | .00710 | -.02000 | -.04000 |
| .598 | 6.180 | .44100 | .03810 | .42750 | .11460 | .03630 | -.11790 | -.01720 | .01200 | -.02000 | -.05000 |
| .599 | 8.250 | .45340 | .03640 | .44000 | .11520 | .03500 | -.16000 | -.02200 | .01830 | -.02000 | -.05000 |
| | GRADIENT | -.00093 | -.00001 | -.00092 | -.00014 | .00014 | -.01756 | -.00251 | .00176 | .00163 | .00277 |

RUN NO. 121/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.201 | -6.190 | .55540 | .16110 | .51870 | .25570 | -.02450 | .10390 | .01300 | -.00820 | .00000 | -.02000 |
| 1.199 | -4.150 | .55850 | .16080 | .52180 | .25580 | -.02830 | .06830 | .00890 | -.00510 | .02000 | -.04000 |
| 1.200 | -3.120 | .55510 | .16000 | .51870 | .25430 | -.02740 | .05100 | .00650 | -.00390 | -.02000 | .00000 |
| 1.200 | -2.080 | .55200 | .15920 | .51590 | .25280 | -.02630 | .03450 | .00340 | -.00300 | .02000 | -.04000 |
| 1.242 | -1.030 | .53980 | .15640 | .50450 | .24780 | -.02600 | .01740 | .00080 | -.00200 | -.01000 | -.03000 |
| 1.201 | -.030 | .54390 | .15790 | .50820 | .24990 | -.02580 | .00190 | -.00120 | -.00110 | -.04000 | -.04000 |
| 1.200 | 2.070 | .55210 | .15910 | .51590 | .25300 | -.02890 | -.03000 | -.00640 | .00050 | -.01000 | -.05000 |
| 1.200 | 3.120 | .55100 | .15940 | .51470 | .25300 | -.02790 | -.04630 | -.00910 | .00140 | .02000 | -.04000 |
| 1.200 | 4.200 | .54770 | .16040 | .51140 | .25330 | -.02780 | -.06490 | -.01150 | .00290 | .00000 | -.03000 |
| 1.200 | 6.280 | .54590 | .16180 | .50940 | .25440 | -.02620 | -.10560 | -.01580 | .00700 | -.01000 | -.04000 |
| 1.202 | 8.390 | .54710 | .16150 | .51060 | .25450 | -.02280 | -.14240 | -.02030 | .00980 | -.01000 | -.05000 |
| | GRADIENT | -.00073 | -.00001 | -.00072 | -.00014 | -.00010 | -.01077 | -.00244 | .00091 | -.00018 | -.00168 |

ARC 200-1 11(LA77) OV101 (R2B084) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 140/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -1.930 | -.17080 | .10130 | -.16730 | .10690 | .07080 | .00010 | .00030 | -.00040 | -.01000 | -.06000 |
| .899 | -.010 | -.05790 | .10210 | -.05780 | .10210 | .06260 | .00030 | .00010 | -.00040 | .00000 | -.05000 |
| .897 | 2.030 | .05760 | .10070 | .05420 | .10260 | .05680 | .00000 | -.00060 | -.00060 | -.01000 | -.04000 |
| .899 | 2.990 | .11340 | .10080 | .10800 | .10650 | .05220 | .00050 | -.00070 | -.00070 | .00000 | -.04000 |
| .899 | 4.010 | .17010 | .09890 | .16280 | .11060 | .04870 | .00130 | -.00120 | -.00100 | .01000 | -.07000 |
| .897 | 4.990 | .21940 | .09800 | .21010 | .11670 | .04760 | .00080 | -.00130 | -.00120 | .02000 | -.07000 |
| .899 | 5.980 | .27390 | .09830 | .26220 | .12630 | .04440 | .00080 | -.00120 | -.00140 | .00000 | -.04000 |
| .900 | 6.970 | .32090 | .09610 | .30690 | .13430 | .04390 | -.00040 | -.00050 | -.00100 | .01000 | -.04000 |
| .897 | 7.970 | .36760 | .09420 | .35100 | .14430 | .04400 | -.00040 | -.00030 | -.00110 | -.02000 | -.05000 |
| .899 | 9.000 | .42560 | .09440 | .40560 | .15990 | .04060 | -.00050 | -.00090 | -.00110 | .01000 | -.06000 |
| .898 | 9.980 | .47180 | .09210 | .44870 | .17250 | .04070 | -.00100 | -.00090 | -.00100 | -.01000 | -.05000 |
| .898 | 11.950 | .56790 | .09120 | .53650 | .20720 | .03560 | -.00150 | .00030 | -.00170 | -.02000 | -.05000 |
| .899 | 13.980 | .66450 | .09230 | .62250 | .25010 | .02920 | -.00090 | .00120 | -.00230 | .01000 | -.04000 |
| .898 | 15.980 | .76300 | .09330 | .70790 | .29980 | .02090 | -.00350 | .00030 | -.00160 | -.06000 | -.09000 |
| .900 | 17.970 | .86910 | .09540 | .79730 | .35890 | .01900 | -.00600 | -.00050 | -.00160 | -.03000 | -.06000 |
| .897 | 19.950 | .95250 | .09350 | .86340 | .41290 | .02810 | -.00510 | -.00020 | -.00190 | -.03000 | -.05000 |
| | GRADIENT | .05666 | -.00050 | .05482 | .00137 | -.00344 | .00013 | -.00025 | -.00012 | .00355 | -.00150 |

RUN NO. 130/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.940 | -.17170 | .12080 | -.16750 | .12650 | .07360 | .00220 | -.00040 | -.00090 | -.04000 | -.04000 |
| .949 | .030 | -.04880 | .12200 | -.04890 | .12200 | .06150 | .00250 | -.00070 | -.00100 | .02000 | -.06000 |
| .948 | 2.030 | .07690 | .12020 | .07260 | .12280 | .04490 | .00220 | -.00070 | -.00100 | -.01000 | -.05000 |
| .948 | 3.000 | .13990 | .12020 | .13350 | .12730 | .03650 | .00230 | -.00080 | -.00110 | .00000 | -.04000 |
| .950 | 4.030 | .20490 | .12040 | .19600 | .13460 | .02840 | .00180 | -.00100 | -.00100 | .00000 | -.04000 |
| .948 | 5.020 | .26460 | .11850 | .25320 | .14120 | .02110 | .00170 | -.00110 | -.00090 | .00000 | -.04000 |
| .952 | 6.010 | .32330 | .11660 | .30930 | .14990 | .01430 | .00170 | -.00110 | -.00070 | .00000 | -.04000 |
| .947 | 6.970 | .37500 | .11300 | .35850 | .15760 | .01060 | .00060 | -.00090 | -.00100 | -.03000 | -.02000 |
| .947 | 7.980 | .43430 | .11240 | .41440 | .17160 | .00490 | .00000 | -.00060 | -.00150 | -.01000 | -.08000 |
| .949 | 9.010 | .49230 | .11150 | .46880 | .18720 | .00070 | -.00060 | -.00080 | -.00220 | -.04000 | -.05000 |
| .949 | 9.990 | .54560 | .10940 | .51830 | .20230 | -.00270 | -.00180 | -.00030 | -.00270 | -.02000 | -.05000 |
| .949 | 11.990 | .64350 | .10970 | .60670 | .24100 | -.00450 | -.00080 | -.00040 | -.00410 | .00000 | -.06000 |
| .947 | 14.010 | .74270 | .11010 | .69390 | .28660 | -.00650 | -.00270 | .00070 | -.00460 | -.04000 | -.05000 |
| .946 | 15.980 | .84160 | .11040 | .77860 | .33790 | -.01070 | -.00020 | -.00040 | -.00700 | -.04000 | -.06000 |
| .947 | 17.930 | .94720 | .10990 | .86740 | .39620 | -.01380 | .00940 | -.00330 | .00280 | -.02000 | -.06000 |
| .947 | 19.940 | 1.03780 | .11030 | .93790 | .45770 | -.00260 | -.00750 | .00130 | .00100 | -.05000 | -.06000 |
| | GRADIENT | .06312 | -.00018 | .06094 | .00115 | -.00769 | -.00006 | -.00009 | -.00002 | .00440 | .00096 |

ARC 200-1 11(LA77) OV101 (R2B084) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 122/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.890 | -.17880 | .16480 | -.17330 | .17060 | .09890 | .00230 | -.00050 | -.00090 | -.02000 | -.02000 |
| 1.047 | .030 | -.04910 | .16330 | -.04920 | .16330 | .07660 | .00240 | -.00070 | -.00110 | -.01000 | -.03000 |
| 1.046 | 2.040 | .08510 | .16360 | .07920 | .16650 | .05250 | .00200 | -.00080 | -.00100 | -.02000 | -.03000 |
| 1.047 | 3.020 | .14940 | .16370 | .14060 | .17130 | .03990 | .00190 | -.00070 | -.00090 | -.04000 | -.03000 |
| 1.046 | 4.040 | .21670 | .16320 | .20470 | .17800 | .02740 | .00180 | -.00100 | -.00100 | -.05000 | -.05000 |
| 1.046 | 5.040 | .27800 | .16230 | .26270 | .18610 | .01660 | .00150 | -.00100 | -.00100 | -.04000 | -.05000 |
| 1.046 | 6.030 | .33860 | .16070 | .31980 | .19530 | .00700 | .00140 | -.00130 | -.00110 | -.06000 | -.03000 |
| 1.047 | 6.990 | .39320 | .15910 | .37090 | .20570 | -.00020 | .00140 | -.00120 | -.00110 | -.05000 | -.05000 |
| 1.046 | 7.930 | .44530 | .15760 | .41930 | .21760 | -.00470 | .00100 | -.00100 | -.00100 | -.04000 | -.05000 |
| 1.045 | 8.950 | .49970 | .15630 | .46940 | .23220 | -.00670 | .00120 | -.00120 | -.00130 | -.05000 | -.05000 |
| 1.047 | 9.960 | .55660 | .15430 | .52160 | .24820 | -.01200 | .00080 | -.00090 | -.00130 | -.06000 | -.03000 |
| 1.046 | 11.900 | .66500 | .15330 | .61920 | .28710 | -.01870 | .00130 | -.00100 | -.00140 | -.03000 | -.06000 |
| 1.046 | 13.870 | .76810 | .15360 | .70890 | .33330 | -.02320 | .00080 | -.00080 | -.00090 | -.06000 | -.04000 |
| 1.044 | 15.860 | .87440 | .15500 | .79890 | .38800 | -.03080 | -.00030 | -.00120 | -.00100 | -.04000 | -.03000 |
| 1.042 | 17.810 | .99510 | .15280 | .90070 | .44990 | -.04590 | -.00160 | -.00120 | -.00060 | -.02000 | -.02000 |
| 1.046 | 19.850 | 1.11770 | .14870 | 1.00080 | .51940 | -.06180 | -.00370 | -.00040 | -.00020 | -.06000 | -.05000 |
| | GRADIENT | .06669 | -.00020 | .06375 | .00124 | -.01207 | -.00010 | -.00007 | -.00000 | -.00544 | -.00376 |

ARC 200-1 11(LA77) OV101 (R28085) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 141/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.940 | -.34410 | .12020 | -.33980 | .13180 | .17790 | .00140 | .00150 | -.00050 | -9.93000 | .01000 |
| .900 | .040 | -.22590 | .12040 | -.22600 | .12020 | .16800 | .00090 | .00120 | -.00050 | -9.93000 | .01000 |
| .898 | 2.010 | -.10760 | .11740 | -.11180 | .11360 | .15590 | .00090 | .00080 | -.00060 | -9.95000 | .02000 |
| .899 | 3.010 | -.04480 | .11590 | -.05080 | .11330 | .14820 | .00070 | .00070 | -.00060 | -9.92000 | -.01000 |
| .899 | 4.030 | .02260 | .11410 | .01450 | .11540 | .13840 | .00050 | .00070 | -.00070 | -9.94000 | .00000 |
| .899 | 5.030 | .08830 | .11160 | .07820 | .11890 | .12830 | .00030 | .00010 | -.00090 | -9.92000 | -.02000 |
| .899 | 6.030 | .15610 | .10920 | .14370 | .12490 | .11820 | .00070 | -.00030 | -.00110 | -9.95000 | .00000 |
| .899 | 6.980 | .21440 | .10870 | .19960 | .13400 | .11200 | .00040 | -.00060 | -.00110 | -9.95000 | -.01000 |
| .899 | 7.930 | .26080 | .10600 | .24370 | .14090 | .11000 | .00100 | -.00120 | -.00140 | -9.96000 | -.01000 |
| .900 | 8.990 | .31870 | .10470 | .29850 | .15320 | .10720 | -.00010 | -.00080 | -.00110 | -9.95000 | -.01000 |
| .898 | 9.990 | .36550 | .10490 | .34170 | .16670 | .11040 | -.00160 | -.00020 | -.00080 | -9.95000 | -.01000 |
| .899 | 12.000 | .47470 | .10400 | .44270 | .20040 | .10410 | -.00080 | .00040 | -.00160 | -9.96000 | .01000 |
| .898 | 14.010 | .55740 | .10370 | .51570 | .23550 | .10410 | -.00050 | .00150 | -.00250 | -9.96000 | .00000 |
| .899 | 16.000 | .65660 | .10410 | .60250 | .28100 | .09570 | -.00300 | .00060 | -.00200 | -9.95000 | -.04000 |
| .898 | 17.990 | .75160 | .10450 | .68250 | .33160 | .09930 | -.00530 | -.00010 | -.00170 | -9.96000 | -.02000 |
| .899 | 19.980 | .83210 | .10360 | .74670 | .38170 | .11180 | -.00540 | -.00020 | -.00220 | -9.96000 | -.01000 |
| | GRADIENT | .06114 | -.00107 | .05908 | -.00290 | -.00650 | -.00013 | -.00015 | -.00003 | -.00095 | -.00226 |

RUN NO. 131/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.950 | -.36800 | .14110 | -.36300 | .15350 | .20950 | .00090 | .00060 | -.00050 | -9.93000 | -.02000 |
| .946 | .040 | -.23940 | .13990 | -.23950 | .13970 | .19300 | .00090 | .00030 | -.00050 | -9.91000 | -.02000 |
| .949 | 2.040 | -.10090 | .13780 | -.10580 | .13410 | .16940 | .00080 | .00010 | -.00070 | -10.00000 | -.02000 |
| .948 | 3.030 | -.03160 | .13640 | -.03880 | .13460 | .15640 | .00090 | -.00020 | -.00070 | -9.98000 | .06000 |
| .949 | 4.060 | .04860 | .13510 | .03890 | .13820 | .13910 | .00150 | -.00060 | -.00090 | -9.87000 | .00000 |
| .949 | 5.030 | .11530 | .13160 | .10330 | .14120 | .12680 | .00220 | -.00120 | -.00100 | -9.91000 | -.01000 |
| .947 | 5.990 | .17820 | .12990 | .16360 | .14780 | .11670 | .00150 | -.00110 | -.00100 | -9.98000 | -.05000 |
| .949 | 6.980 | .23880 | .13020 | .22120 | .15820 | .10920 | .00040 | -.00060 | -.00070 | -10.05000 | .04000 |
| .948 | 8.000 | .30240 | .12680 | .28180 | .16760 | .10010 | .00000 | .00020 | -.00140 | -9.84000 | .02000 |
| .949 | 9.020 | .36620 | .12530 | .34210 | .18110 | .09150 | -.00210 | .00040 | -.00170 | -9.91000 | -.04000 |
| .950 | 10.000 | .43270 | .12440 | .40450 | .19760 | .08090 | -.00150 | .00020 | -.00270 | -9.92000 | .00000 |
| .947 | 11.990 | .54600 | .11970 | .50920 | .23060 | .07000 | -.00210 | -.00010 | -.00390 | -9.92000 | -.01000 |
| .950 | 14.000 | .65380 | .11820 | .60580 | .27280 | .06070 | -.00410 | .00110 | -.00450 | -9.91000 | -.02000 |
| .949 | 16.000 | .74610 | .11450 | .68560 | .31580 | .05970 | .01040 | -.00270 | -.00020 | -9.91000 | -.02000 |
| .949 | 17.990 | .85530 | .11320 | .77850 | .37180 | .05670 | .00770 | -.00370 | .00280 | -9.95000 | .02000 |
| .950 | 20.000 | .94940 | .11280 | .85360 | .43070 | .06280 | -.00770 | .00090 | .00100 | -9.97000 | .02000 |
| | GRADIENT | .06904 | -.00101 | .06660 | -.00268 | -.01160 | .00007 | -.00018 | -.00006 | .00034 | .00772 |

ARC 200-1 11(LA77) OV101 (R2B085) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 123/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -2.000 | -.33560 | .18300 | -.32910 | .19460 | .20640 | .00200 | .00070 | -.00070 | -9.92000 | .00000 |
| 1.047 | -.060 | -.19820 | .18190 | -.19800 | .18220 | .17990 | .00230 | .00060 | -.00090 | -9.90000 | .01000 |
| 1.046 | 1.950 | -.05920 | .18150 | -.06540 | .17940 | .15160 | .00220 | .00030 | -.00090 | -9.94000 | .01000 |
| 1.047 | 2.930 | .00980 | .18080 | .00050 | .18110 | .13640 | .00240 | -.00030 | -.00110 | -9.91000 | -.01000 |
| 1.046 | 3.960 | .08190 | .18000 | .06930 | .18530 | .12020 | .00220 | -.00030 | -.00100 | -9.93000 | -.02000 |
| 1.048 | 4.970 | .14810 | .17870 | .13210 | .19090 | .10650 | .00230 | -.00020 | -.00110 | -9.94000 | -.02000 |
| 1.047 | 5.960 | .20940 | .17760 | .18980 | .19830 | .09710 | .00150 | .00020 | -.00080 | -9.94000 | -.03000 |
| 1.048 | 6.930 | .26730 | .17690 | .24400 | .20790 | .08920 | .00130 | .00000 | -.00080 | -9.93000 | -.03000 |
| 1.047 | 7.880 | .32540 | .17600 | .29820 | .21900 | .08170 | .00060 | .00010 | -.00070 | -9.94000 | -.03000 |
| 1.047 | 8.900 | .38700 | .17410 | .35540 | .23190 | .07340 | .00050 | -.00030 | -.00090 | -9.95000 | -.02000 |
| 1.046 | 9.920 | .44830 | .17230 | .41200 | .24700 | .06650 | .00110 | -.00050 | -.00130 | -9.93000 | -.02000 |
| 1.047 | 11.860 | .56220 | .16780 | .51570 | .27980 | .05430 | .00090 | -.00070 | -.00130 | -9.93000 | -.03000 |
| 1.045 | 13.860 | .67500 | .16220 | .61650 | .31920 | .04430 | -.00150 | -.00040 | .00000 | -9.94000 | .00000 |
| 1.048 | 15.850 | .78880 | .15770 | .71580 | .36710 | .03280 | .00070 | -.00200 | -.00110 | -9.94000 | -.03000 |
| 1.046 | 17.820 | .90330 | .15440 | .81280 | .42340 | .02320 | -.00060 | -.00150 | -.00100 | -9.95000 | -.02000 |
| 1.046 | 19.860 | 1.03020 | .14640 | .91910 | .48770 | .00620 | -.00220 | -.00090 | -.00070 | -9.95000 | .01000 |
| | GRADIENT | .06956 | -.00056 | .06634 | -.00052 | -.01444 | .00003 | -.00016 | -.00005 | -.00328 | -.00386 |

ARC 200-1 11(LA77) OV101 (R2B086) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 142/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.930 | -.35200 | .12110 | -.34770 | .13290 | .17850 | -.08610 | -.00210 | .00990 | -9.93000 | -.03000 |
| .899 | .050 | -.23120 | .12110 | -.23140 | .12090 | .16660 | -.08440 | -.00410 | .00960 | -9.94000 | -.03000 |
| .899 | 2.030 | -.11270 | .11900 | -.11680 | .11490 | .15510 | -.08480 | -.00630 | .00950 | -9.95000 | -.02000 |
| .899 | 3.030 | -.04670 | .11670 | -.05280 | .11410 | .14580 | -.08440 | -.00700 | .00930 | -9.97000 | .00000 |
| .899 | 4.050 | .01980 | .11430 | .01170 | .11540 | .13600 | -.08460 | -.00830 | .00910 | -9.94000 | -.03000 |
| .899 | 5.060 | .08820 | .11210 | .07800 | .11940 | .12620 | -.08490 | -.00920 | .00880 | -9.97000 | .00000 |
| .898 | 6.050 | .15330 | .10900 | .14100 | .12450 | .11720 | -.08510 | -.00980 | .00840 | -9.95000 | -.02000 |
| .898 | 7.020 | .21050 | .10770 | .19570 | .13260 | .11290 | -.08420 | -.01140 | .00740 | -9.96000 | .00000 |
| .900 | 7.980 | .26610 | .10580 | .24880 | .14170 | .10870 | -.08490 | -.01100 | .00710 | -9.97000 | .00000 |
| .898 | 9.000 | .31740 | .10560 | .29700 | .15390 | .10920 | -.08520 | -.01040 | .00700 | -9.96000 | -.01000 |
| .898 | 10.020 | .37290 | .10420 | .34910 | .16740 | .10560 | -.08500 | -.01060 | .00650 | -9.96000 | .00000 |
| .899 | 12.020 | .47530 | .10140 | .44380 | .19820 | .09750 | -.08680 | -.01060 | .00570 | -9.96000 | -.01000 |
| .897 | 14.050 | .56730 | .10220 | .52550 | .23690 | .09500 | -.08770 | -.01070 | .00340 | -9.96000 | -.02000 |
| .899 | 16.040 | .65910 | .10190 | .60530 | .28010 | .09230 | -.08670 | -.00880 | -.00090 | -9.96000 | -.01000 |
| .898 | 18.020 | .74570 | .09950 | .67830 | .32530 | .09820 | -.08330 | -.00820 | -.00690 | -9.97000 | .00000 |
| .898 | 20.020 | .83250 | .10150 | .74750 | .38030 | .11120 | -.07600 | -.00920 | -.01320 | -9.96000 | -.02000 |
| | GRADIENT | .06193 | -.00113 | .05986 | -.00301 | -.00694 | .00022 | -.00103 | -.00012 | -.00379 | .00232 |

RUN NO. 132/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.910 | -.36430 | .14230 | -.35940 | .15440 | .20220 | -.08780 | -.00330 | .01030 | -9.90000 | .02000 |
| .949 | .010 | -.23990 | .14140 | -.24000 | .14130 | .18580 | -.08850 | -.00580 | .01050 | -9.94000 | .04000 |
| .948 | 2.020 | -.10460 | .13680 | -.10930 | .13310 | .16280 | -.08740 | -.00850 | .01060 | -9.96000 | .05000 |
| .948 | 3.000 | -.03470 | .13540 | -.04180 | .13340 | .15000 | -.08750 | -.00970 | .01040 | -9.98000 | .01000 |
| .949 | 4.030 | .03790 | .13290 | .02850 | .13530 | .13630 | -.08690 | -.01060 | .01050 | -9.92000 | -.01000 |
| .948 | 5.050 | .10900 | .13040 | .09710 | .13940 | .12380 | -.08700 | -.01090 | .01070 | -9.91000 | -.01000 |
| .948 | 6.040 | .17890 | .13070 | .16410 | .14880 | .11300 | -.08760 | -.01130 | .01110 | -9.93000 | .00000 |
| .950 | 7.010 | .23960 | .12820 | .22220 | .15650 | .10480 | -.08560 | -.01200 | .01080 | -9.89000 | -.03000 |
| .949 | 8.040 | .30350 | .12690 | .28280 | .16810 | .09770 | -.08630 | -.01100 | .01140 | -9.90000 | -.02000 |
| .949 | 9.020 | .36460 | .12430 | .34060 | .17930 | .09020 | -.08720 | -.01120 | .01150 | -9.92000 | -.01000 |
| .947 | 10.010 | .42880 | .12100 | .40120 | .19370 | .08090 | -.08420 | -.01260 | .00920 | -9.91000 | -.02000 |
| .951 | 12.030 | .54910 | .11700 | .51260 | .22890 | .06550 | -.08120 | -.01290 | .01000 | -9.92000 | -.01000 |
| .946 | 14.060 | .65580 | .11410 | .60840 | .26990 | .06050 | -.08000 | -.01290 | .00870 | -9.90000 | -.03000 |
| .951 | 16.070 | .75760 | .11400 | .69540 | .31930 | .05260 | -.07280 | -.01400 | .00500 | -9.88000 | -.05000 |
| .950 | 18.030 | .85740 | .11120 | .78090 | .37110 | .05140 | -.06390 | -.01530 | .00110 | -9.96000 | .03000 |
| .947 | 20.000 | .94020 | .11170 | .84540 | .42650 | .06580 | -.06090 | -.01440 | -.00860 | -9.88000 | -.02000 |
| | GRADIENT | .06770 | -.00164 | .06530 | -.00337 | -.01113 | .00018 | -.00126 | .00003 | -.00687 | -.00459 |

ARC 200-1 11(LA77) OV101 (R28086) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 124/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.000 | -.33850 | .18520 | -.33180 | .19690 | .20210 | -.08590 | -.00350 | .01010 | -9.89000 | .03000 |
| 1.047 | -.050 | -.20330 | .18360 | -.20320 | .18570 | .17690 | -.08530 | -.00820 | .00960 | -9.97000 | -.02000 |
| 1.046 | 1.970 | -.06060 | .18250 | -.06690 | .18030 | .14830 | -.08360 | -.01170 | .00940 | -9.91000 | -.04000 |
| 1.048 | 2.950 | .00780 | .18130 | -.00150 | .18150 | .13370 | -.08250 | -.01210 | .00930 | -9.91000 | -.05000 |
| 1.046 | 3.970 | .07450 | .18100 | .06180 | .18570 | .12170 | -.08330 | -.01210 | .00970 | -9.93000 | -.03000 |
| 1.047 | 4.990 | .14360 | .17960 | .12750 | .19140 | .10790 | -.08280 | -.01150 | .00970 | -9.94000 | -.03000 |
| 1.046 | 5.980 | .20400 | .17950 | .18420 | .19970 | .09940 | -.08360 | -.01140 | .01020 | -9.97000 | .00000 |
| 1.047 | 6.960 | .26870 | .17800 | .24520 | .20920 | .08860 | -.08410 | -.01140 | .01020 | -9.91000 | .02000 |
| 1.048 | 7.920 | .32500 | .17720 | .29750 | .22040 | .08150 | -.08550 | -.01150 | .01090 | -9.91000 | .01000 |
| 1.046 | 8.970 | .39340 | .17550 | .36120 | .23470 | .07110 | -.08390 | -.01310 | .01060 | -9.91000 | .00000 |
| 1.046 | 9.940 | .45260 | .17280 | .41590 | .24830 | .06290 | -.08340 | -.01380 | .01060 | -9.92000 | -.01000 |
| 1.046 | 11.910 | .56920 | .16660 | .52260 | .28050 | .05020 | -.08140 | -.01390 | .00910 | -9.94000 | -.06000 |
| 1.044 | 13.920 | .67720 | .16200 | .61840 | .32020 | .04260 | -.08220 | -.01350 | .00790 | -9.92000 | -.04000 |
| 1.045 | 15.910 | .78660 | .15590 | .71370 | .36570 | .03460 | -.08460 | -.01320 | .00730 | -9.94000 | -.03000 |
| 1.045 | 17.860 | .90040 | .14910 | .81130 | .41800 | .02100 | -.08480 | -.00980 | .00480 | -9.96000 | .00000 |
| 1.046 | 19.870 | 1.00310 | .14410 | .89440 | .47640 | .01860 | -.07980 | -.00940 | -.00020 | -9.96000 | .00000 |
| | GRADIENT | .06914 | -.00076 | .06590 | -.00081 | -.01359 | .00049 | -.00119 | -.00005 | -.00261 | -.00820 |

ARC 200-1 11(LA77) OV101 (R28087) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 143/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.910 | -.17120 | .10250 | -.16770 | .10820 | .06540 | -.09330 | -.00140 | .01300 | -.03000 | -.06000 |
| .901 | .000 | -.06080 | .10330 | -.06080 | .10330 | .05790 | -.09290 | -.00340 | .01300 | -.01000 | -.05000 |
| .899 | 1.990 | .05300 | .10150 | .04940 | .10320 | .05070 | -.09310 | -.00530 | .01300 | -.01000 | -.05000 |
| .899 | 2.940 | .10860 | .10150 | .10320 | .10700 | .04670 | -.09370 | -.00580 | .01310 | -.01000 | -.04000 |
| .899 | 3.950 | .16480 | .10040 | .15750 | .11150 | .04370 | -.09330 | -.00650 | .01290 | .00000 | -.03000 |
| .899 | 4.950 | .22000 | .09920 | .21060 | .11780 | .04080 | -.09350 | -.00710 | .01250 | -.02000 | -.02000 |
| .902 | 6.030 | .27520 | .09800 | .26340 | .12640 | .03960 | -.09280 | -.00830 | .01150 | -.02000 | -.02000 |
| .899 | 6.980 | .32290 | .09560 | .30890 | .13410 | .03980 | -.09120 | -.00950 | .01050 | -.01000 | -.02000 |
| .900 | 8.030 | .38030 | .09610 | .36310 | .14830 | .03820 | -.09310 | -.00910 | .01030 | -.02000 | -.03000 |
| .898 | 9.020 | .42240 | .09300 | .40260 | .15800 | .03910 | -.09120 | -.01020 | .00950 | -.02000 | -.03000 |
| .901 | 9.990 | .47870 | .09370 | .45520 | .17530 | .03400 | -.09180 | -.01070 | .00940 | -.03000 | -.04000 |
| .901 | 12.050 | .57690 | .09130 | .54510 | .20970 | .02900 | -.09060 | -.01110 | .00750 | -.03000 | -.04000 |
| .900 | 14.060 | .66900 | .09110 | .62680 | .25090 | .02310 | -.08890 | -.01010 | .00370 | -.03000 | -.05000 |
| .901 | 16.060 | .77270 | .09230 | .71700 | .30250 | .01640 | -.08570 | -.00910 | -.00160 | -.06000 | -.03000 |
| .901 | 18.050 | .87660 | .09110 | .80520 | .35820 | .01480 | -.08420 | -.00800 | -.00670 | -.03000 | -.05000 |
| .900 | 20.040 | .96340 | .09160 | .87370 | .41610 | .02620 | -.07600 | -.00950 | -.01150 | -.04000 | -.05000 |
| | GRADIENT | .05714 | -.00050 | .05527 | .00133 | -.00363 | -.00005 | -.00083 | -.00005 | .00208 | .00541 |

RUN NO. 133/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.940 | -.18230 | .12320 | -.17800 | .12930 | .07570 | -.08540 | -.00590 | .01050 | -.02000 | -.04000 |
| .948 | .010 | -.06050 | .12330 | -.06050 | .12330 | .06200 | -.08500 | -.00890 | .01110 | -.02000 | -.03000 |
| .948 | 2.010 | .06620 | .12170 | .06190 | .12400 | .04610 | -.08560 | -.01020 | .01160 | -.02000 | -.03000 |
| .946 | 2.970 | .12560 | .11990 | .11920 | .12630 | .03890 | -.08680 | -.00970 | .01230 | -.02000 | -.03000 |
| .947 | 3.990 | .18840 | .11830 | .17970 | .13110 | .03160 | -.08780 | -.00890 | .01270 | -.03000 | -.04000 |
| .949 | 5.000 | .25540 | .11820 | .24410 | .14000 | .02170 | -.08610 | -.00940 | .01220 | -.01000 | -.02000 |
| .949 | 6.000 | .31740 | .11710 | .30340 | .14960 | .01360 | -.08540 | -.00990 | .01190 | .01000 | .00000 |
| .949 | 6.970 | .36780 | .11410 | .35120 | .15790 | .01300 | -.08730 | -.01000 | .01300 | -.06000 | -.07000 |
| .947 | 7.930 | .42650 | .11300 | .40680 | .17070 | .00730 | -.08760 | -.00980 | .01300 | -.04000 | -.04000 |
| .949 | 8.960 | .48670 | .11080 | .46350 | .18530 | .00070 | -.08450 | -.01060 | .01190 | .00000 | -.02000 |
| .951 | 10.020 | .54400 | .11020 | .51660 | .20320 | -.00300 | -.07880 | -.01250 | .00960 | -.02000 | -.02000 |
| .947 | 12.000 | .63930 | .10730 | .60310 | .23790 | -.00370 | -.07600 | -.01260 | .00800 | -.03000 | -.10000 |
| .947 | 14.020 | .74610 | .10730 | .69790 | .28490 | -.00920 | -.07420 | -.01400 | .00670 | -.03000 | -.09000 |
| .948 | 16.020 | .84970 | .10920 | .78660 | .33950 | -.01620 | -.07250 | -.01460 | .00490 | -.01000 | -.04000 |
| .947 | 18.000 | .95470 | .10930 | .87420 | .39890 | -.01930 | -.06470 | -.01600 | .00170 | -.02000 | .04000 |
| .950 | 20.010 | 1.05010 | .10890 | .94950 | .46170 | -.01140 | -.05110 | -.01500 | -.01220 | -.05000 | -.04000 |
| | GRADIENT | .06289 | -.00084 | .06067 | .00134 | -.00771 | -.00027 | -.00042 | .00030 | .00030 | .00148 |

ARC 200-1 11(LA77) OV101 (R28087) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 125/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -1.910 | -.18450 | .16730 | -.17890 | .17340 | .09640 | -.07450 | -.00620 | .00620 | -.03000 | -.06000 |
| 1.046 | .040 | -.05340 | .16580 | -.05350 | .16580 | .07270 | -.07300 | -.00960 | .00610 | -.03000 | -.06000 |
| 1.046 | 2.060 | .07860 | .16630 | .07280 | .16900 | .05090 | -.07230 | -.01110 | .00620 | -.03000 | -.06000 |
| 1.048 | 3.030 | .14420 | .16610 | .13520 | .17350 | .03940 | -.07200 | -.01130 | .00590 | -.03000 | -.06000 |
| 1.047 | 4.060 | .21130 | .16620 | .19900 | .18070 | .02800 | -.07220 | -.01150 | .00600 | -.07000 | -.07000 |
| 1.046 | 5.070 | .27720 | .16570 | .26150 | .18950 | .01670 | -.07190 | -.01140 | .00580 | -.05000 | -.06000 |
| 1.047 | 6.070 | .33870 | .16470 | .31940 | .19960 | .00760 | -.07210 | -.01140 | .00590 | -.03000 | -.07000 |
| 1.048 | 7.050 | .39430 | .16380 | .37130 | .21100 | .00220 | -.07420 | -.01130 | .00670 | -.04000 | -.07000 |
| 1.048 | 8.020 | .44820 | .16300 | .42110 | .22390 | -.00190 | -.07650 | -.01110 | .00780 | -.04000 | -.05000 |
| 1.047 | 9.060 | .50780 | .16160 | .47610 | .23950 | -.00740 | -.07800 | -.01140 | .00820 | -.02000 | -.03000 |
| 1.046 | 10.030 | .56480 | .15990 | .52830 | .25580 | -.01220 | -.07800 | -.01190 | .00850 | -.05000 | -.07000 |
| 1.048 | 12.000 | .67260 | .15540 | .62560 | .29180 | -.02000 | -.07590 | -.01320 | .00680 | -.04000 | -.05000 |
| 1.046 | 14.010 | .78030 | .15240 | .72020 | .33670 | -.02650 | -.07970 | -.01270 | .00670 | .00000 | -.10000 |
| 1.046 | 16.000 | .88870 | .14880 | .81320 | .38800 | -.03470 | -.08080 | -.01220 | .00530 | -.02000 | -.07000 |
| 1.048 | 17.940 | .99690 | .14620 | .90340 | .44620 | -.04570 | -.08020 | -.00970 | .00260 | -.05000 | -.05000 |
| 1.046 | 19.940 | 1.09370 | .14490 | .97870 | .50930 | -.04650 | -.07810 | -.01080 | -.00120 | -.06000 | -.04000 |
| | GRADIENT | .06627 | -.00014 | .06329 | .00119 | -.01140 | .00040 | -.00087 | -.00004 | -.00454 | -.00113 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B088) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 144/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -6.320 | .23610 | .10050 | .22630 | .12100 | .03470 | .14370 | .00890 | -.02250 | -.02000 | -.03000 |
| .899 | -4.240 | .22870 | .09750 | .21930 | .11720 | .04090 | .09450 | .00470 | -.01400 | -.02000 | -.04000 |
| .898 | -3.190 | .22960 | .09730 | .22040 | .11710 | .04060 | .07080 | .00330 | -.01050 | -.02000 | -.05000 |
| .899 | -2.130 | .22960 | .09780 | .22010 | .11760 | .04260 | .04700 | .00170 | -.00700 | -.02000 | -.06000 |
| .899 | -1.080 | .22440 | .09790 | .21500 | .11720 | .04510 | .02300 | .00020 | -.00370 | -.03000 | -.05000 |
| .900 | .000 | .22270 | .09900 | .21320 | .11810 | .04610 | .00010 | -.00130 | -.00110 | -.01000 | -.06000 |
| .902 | 1.020 | .22400 | .09850 | .21450 | .11780 | .04570 | -.02130 | -.00220 | .00150 | -.02000 | -.06000 |
| .900 | 2.100 | .22230 | .09790 | .21290 | .11690 | .04490 | -.04500 | -.00340 | .00480 | -.02000 | -.06000 |
| .900 | 3.120 | .22240 | .09750 | .21300 | .11660 | .04380 | -.06870 | -.00500 | .00860 | -.02000 | -.06000 |
| .900 | 4.170 | .22100 | .09830 | .21160 | .11720 | .04140 | -.09210 | -.00690 | .01220 | -.01000 | -.06000 |
| .899 | 6.260 | .22050 | .09840 | .21110 | .11720 | .03500 | -.14380 | -.01000 | .02100 | -.02000 | -.05000 |
| .900 | 8.360 | .22240 | .09670 | .21310 | .11560 | .03400 | -.19010 | -.01370 | .02910 | -.02000 | -.05000 |
| | GRADIENT | -.00108 | .00007 | -.00108 | -.00004 | .00027 | -.02207 | -.00133 | .00302 | .00079 | -.00190 |

RUN NO. 134/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.310 | .25600 | .12030 | .24440 | .14230 | .02750 | .13740 | .01070 | -.02320 | .00000 | -.01000 |
| .947 | -4.230 | .26140 | .11990 | .24990 | .14230 | .02300 | .09010 | .00660 | -.01500 | -.04000 | -.05000 |
| .950 | -3.190 | .26250 | .11870 | .25110 | .14110 | .02150 | .06490 | .00450 | -.01020 | -.01000 | -.02000 |
| .947 | -2.130 | .26360 | .11750 | .25230 | .14010 | .02200 | .04290 | .00240 | -.00630 | -.03000 | -.05000 |
| .948 | -1.080 | .26320 | .11970 | .25180 | .14220 | .02160 | .02180 | .00070 | -.00310 | -.03000 | -.03000 |
| .951 | .000 | .26100 | .11940 | .24960 | .14160 | .02220 | .00180 | -.00130 | -.00100 | -.04000 | -.03000 |
| .947 | 1.010 | .26340 | .11730 | .25210 | .13990 | .02050 | -.01710 | -.00270 | .00110 | .00000 | -.06000 |
| .949 | 2.080 | .26540 | .11860 | .25410 | .14130 | .01840 | -.03740 | -.00460 | .00350 | -.02000 | -.05000 |
| .948 | 3.110 | .26110 | .11670 | .24990 | .13910 | .02060 | -.06090 | -.00650 | .00770 | -.03000 | -.05000 |
| .948 | 4.160 | .25660 | .11890 | .24520 | .14080 | .02200 | -.08470 | -.00930 | .01180 | -.02000 | -.06000 |
| .949 | 6.250 | .24500 | .12060 | .23360 | .14140 | .02620 | -.13610 | -.01290 | .02080 | -.04000 | -.04000 |
| .948 | 8.350 | .23870 | .11940 | .22740 | .13970 | .03170 | -.18130 | -.01740 | .02830 | -.04000 | -.04000 |
| | GRADIENT | -.00031 | -.00016 | -.00029 | -.00019 | -.00024 | -.02026 | -.00181 | .00293 | .00110 | -.00253 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28088) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 126/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -6.320 | .29090 | .16820 | .27450 | .19370 | .01660 | .11610 | .01430 | -.01450 | .01000 | -.07000 |
| 1.047 | -4.250 | .28710 | .16670 | .27110 | .19170 | .01620 | .07530 | .00880 | -.00830 | .01000 | -.07000 |
| 1.047 | -3.200 | .28570 | .16580 | .26980 | .19060 | .01520 | .05510 | .00620 | -.00560 | -.01000 | -.06000 |
| 1.048 | -2.140 | .28360 | .16410 | .26790 | .18870 | .01590 | .03640 | .00370 | -.00350 | .00000 | -.07000 |
| 1.049 | -1.090 | .28160 | .16210 | .26610 | .18640 | .01550 | .01930 | .00130 | -.00210 | -.01000 | -.06000 |
| 1.047 | -.010 | .28190 | .16190 | .26650 | .18620 | .01590 | .00170 | -.00100 | -.00100 | .01000 | -.08000 |
| 1.048 | 1.010 | .28210 | .16210 | .26650 | .18660 | .01540 | -.01520 | -.00290 | .00000 | .01000 | -.08000 |
| 1.046 | 2.090 | .28200 | .16330 | .26630 | .18770 | .01580 | -.03310 | -.00530 | .00140 | -.01000 | -.06000 |
| 1.048 | 3.120 | .28070 | .16420 | .26500 | .18860 | .01630 | -.05150 | -.00800 | .00320 | -.05000 | -.07000 |
| 1.048 | 4.170 | .27930 | .16580 | .26340 | .19000 | .01670 | -.07050 | -.01100 | .00560 | -.02000 | -.05000 |
| 1.046 | 6.260 | .27780 | .16760 | .26180 | .19170 | .01650 | -.11590 | -.01550 | .01280 | -.02000 | -.05000 |
| 1.047 | 8.370 | .27960 | .16870 | .26350 | .19300 | .02050 | -.16210 | -.02120 | .02080 | -.03000 | -.05000 |
| | GRADIENT | -.00077 | -.00016 | -.00076 | -.00023 | .00008 | -.01703 | -.00228 | .00149 | -.00379 | .00079 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28089) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 135/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.240 | .79610 | .10870 | .74130 | .31000 | -.00910 | .10920 | .01790 | -.01120 | -.02000 | -.05000 |
| .949 | -4.170 | .80730 | .11250 | .75090 | .31710 | -.01490 | .07170 | .01160 | -.00890 | -.04000 | -.04000 |
| .948 | -3.120 | .80130 | .11260 | .74520 | .31540 | -.01330 | .05240 | .00820 | -.00780 | -.04000 | -.04000 |
| .949 | -2.070 | .80180 | .11310 | .74560 | .31600 | -.01320 | .03340 | .00560 | -.00700 | -.05000 | -.03000 |
| .949 | -1.020 | .79110 | .11150 | .73560 | .31170 | -.00940 | .01640 | .00240 | -.00640 | -.04000 | -.03000 |
| .948 | .040 | .79510 | .11110 | .73960 | .31240 | -.01080 | -.00250 | .00030 | -.00580 | -.03000 | -.04000 |
| .948 | 1.060 | .78690 | .11030 | .73200 | .30910 | -.00820 | -.01570 | -.00220 | -.00530 | -.03000 | -.03000 |
| .949 | 2.130 | .79420 | .11040 | .73890 | .31140 | -.01150 | -.03910 | -.00490 | -.00470 | -.03000 | -.04000 |
| .947 | 3.190 | .79240 | .10880 | .73760 | .30930 | -.01130 | -.05820 | -.00790 | -.00380 | -.03000 | -.04000 |
| .949 | 4.190 | .80250 | .10930 | .74710 | .31270 | -.01710 | -.07260 | -.01390 | .00640 | -.03000 | -.05000 |
| .950 | 6.300 | .79730 | .10840 | .74240 | .31040 | -.01580 | -.11760 | -.02040 | .01010 | -.02000 | -.06000 |
| .948 | 8.430 | .79940 | .10600 | .74500 | .30870 | -.01000 | -.16060 | -.02560 | .01340 | -.01000 | -.04000 |
| | GRADIENT | -.00104 | -.00049 | -.00088 | -.00076 | .00003 | -.01735 | -.00280 | .00125 | .00191 | -.00095 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R28090) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 136/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -6.230 | .79130 | .10820 | .73680 | .30820 | -.00660 | .10860 | .01760 | -.01090 | -.02000 | -.04000 |
| .949 | -4.230 | .79810 | .11040 | .74280 | .31210 | -.01310 | .07690 | .00830 | .00010 | -.01000 | -.03000 |
| .947 | -3.190 | .79000 | .11060 | .73500 | .31010 | -.00980 | .05910 | .00520 | .00010 | -.02000 | -.03000 |
| .948 | -2.140 | .79550 | .11230 | .73970 | .31330 | -.01120 | .04200 | .00300 | .00060 | -.03000 | -.03000 |
| .949 | -1.090 | .79240 | .11210 | .73670 | .31260 | -.01020 | .02450 | .00040 | .00060 | -.04000 | -.02000 |
| .948 | -.020 | .78530 | .11040 | .73030 | .30920 | -.00740 | .00670 | -.00190 | .00050 | -.03000 | -.02000 |
| .951 | 1.020 | .79740 | .11130 | .74150 | .31360 | -.01240 | -.01150 | -.00420 | .00180 | -.06000 | -.02000 |
| .950 | 2.100 | .80540 | .11180 | .74910 | .31640 | -.01650 | -.03210 | -.00720 | .00340 | -.05000 | -.03000 |
| .946 | 3.180 | .79330 | .10890 | .73820 | .31010 | -.01100 | -.05210 | -.01040 | .00410 | -.03000 | -.03000 |
| .948 | 4.230 | .80030 | .10880 | .74500 | .31190 | -.01470 | -.07360 | -.01390 | .00620 | -.04000 | -.03000 |
| .949 | 6.360 | .80260 | .10900 | .74720 | .31260 | -.01720 | -.11860 | -.02050 | .01020 | -.02000 | -.04000 |
| .946 | 8.430 | .79940 | .10580 | .74500 | .30850 | -.00920 | -.16080 | -.02550 | .01330 | .00000 | -.04000 |
| | GRADIENT | .00069 | -.00021 | .00066 | .00010 | -.00036 | -.01763 | -.00253 | .00068 | -.00329 | -.00001 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B091) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 145/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -6.300 | .10180 | .11170 | .09140 | .12030 | .12040 | .10470 | .02400 | -.00670 | -10.09000 | 5.00000 |
| .900 | -4.230 | .09990 | .11220 | .08960 | .12050 | .12170 | .06100 | .02050 | -.00070 | -10.08000 | 4.99000 |
| .900 | -3.180 | .09760 | .11220 | .08750 | .12040 | .12220 | .03860 | .01870 | .00220 | -10.08000 | 4.99000 |
| .900 | -2.130 | .09600 | .11240 | .08580 | .12040 | .12380 | .01760 | .01700 | .00460 | -10.08000 | 4.98000 |
| .899 | -1.080 | .09330 | .11270 | .08310 | .12040 | .12460 | -.00210 | .01510 | .00630 | -10.09000 | 4.99000 |
| .900 | -.010 | .09470 | .11410 | .08430 | .12190 | .12430 | -.02300 | .01350 | .00800 | -10.10000 | 4.99000 |
| .901 | 1.030 | .09550 | .11410 | .08510 | .12200 | .12310 | -.04340 | .01190 | .00990 | -10.10000 | 5.01000 |
| .901 | 2.090 | .09420 | .11220 | .08400 | .12000 | .12190 | -.06480 | .01000 | .01260 | -10.08000 | 5.02000 |
| .898 | 3.120 | .09400 | .11190 | .08380 | .11970 | .12180 | -.08700 | .00750 | .01570 | -10.08000 | 5.03000 |
| .901 | 4.180 | .09360 | .11370 | .08330 | .12150 | .12020 | -.10870 | .00470 | .01870 | -10.08000 | 5.03000 |
| .898 | 6.270 | .09520 | .11140 | .08510 | .11920 | .10950 | -.15690 | .00170 | .02640 | -10.08000 | 5.02000 |
| .900 | 8.360 | .10150 | .10900 | .09150 | .11750 | .10490 | -.20190 | -.00260 | .03420 | -10.07000 | 5.01000 |
| | GRADIENT | -.00060 | .00010 | -.00060 | .00004 | -.00020 | -.02000 | -.00181 | .00218 | -.00016 | .00602 |

RUN NO. 137/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -6.310 | .11540 | .13530 | .10300 | .14500 | .12510 | .10390 | .02850 | -.00710 | -10.12000 | 5.04000 |
| .949 | -4.240 | .11450 | .13730 | .10200 | .14680 | .12650 | .06060 | .02300 | -.00070 | -10.12000 | 5.05000 |
| .947 | -3.190 | .11250 | .13240 | .10040 | .14170 | .12590 | .03820 | .02020 | .00250 | -9.96000 | 5.00000 |
| .947 | -2.130 | .11490 | .13680 | .10250 | .14640 | .12740 | .01520 | .01880 | .00610 | -10.08000 | 5.00000 |
| .948 | -1.080 | .11190 | .13600 | .09960 | .14520 | .12710 | -.00590 | .01670 | .00860 | -10.08000 | 5.01000 |
| .949 | .000 | .11010 | .13560 | .09790 | .14470 | .12640 | -.02810 | .01440 | .01130 | -10.08000 | 5.02000 |
| .948 | 1.020 | .11300 | .13690 | .10060 | .14620 | .12420 | -.04980 | .01220 | .01420 | -10.08000 | 5.04000 |
| .948 | 2.090 | .11410 | .13700 | .10170 | .14640 | .12180 | -.07270 | .00940 | .01740 | -10.08000 | 5.03000 |
| .947 | 3.120 | .11140 | .13360 | .09930 | .14280 | .12020 | -.09390 | .00640 | .02020 | -10.09000 | 5.04000 |
| .949 | 4.180 | .10830 | .13490 | .09620 | .14390 | .11890 | -.11510 | .00330 | .02360 | -10.09000 | 5.05000 |
| .950 | 6.260 | .10440 | .13330 | .09250 | .14190 | .11450 | -.16140 | -.00130 | .03080 | -10.11000 | 5.06000 |
| .948 | 8.330 | .10370 | .13060 | .09200 | .13910 | .11500 | -.20160 | -.00660 | .03650 | -10.12000 | 5.08000 |
| | GRADIENT | -.00045 | -.00007 | -.00043 | -.00011 | -.00097 | -.02088 | -.00227 | .00283 | -.00428 | .00332 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B091) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 127/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -6.340 | .16050 | .18220 | .14370 | .19570 | .10480 | .10150 | .02890 | -.00560 | -10.07000 | 5.01000 |
| 1.047 | -4.260 | .15610 | .18220 | .13940 | .19530 | .10540 | .05580 | .02270 | .00210 | -10.06000 | 5.00000 |
| 1.047 | -3.210 | .15450 | .18260 | .13790 | .19540 | .10510 | .03310 | .01980 | .00540 | -10.06000 | 5.00000 |
| 1.047 | -2.150 | .15180 | .18250 | .13520 | .19510 | .10760 | .01250 | .01730 | .00800 | -10.06000 | 5.00000 |
| 1.048 | -1.090 | .15360 | .18250 | .13710 | .19530 | .10490 | -.00710 | .01460 | .01010 | -10.06000 | 5.00000 |
| 1.046 | -.010 | .15140 | .18190 | .13490 | .19450 | .10640 | -.02730 | .01240 | .01200 | -10.06000 | 5.00000 |
| 1.048 | 1.020 | .15360 | .18290 | .13700 | .19570 | .10390 | -.04720 | .01010 | .01410 | -10.06000 | 5.00000 |
| 1.048 | 2.090 | .14940 | .18190 | .13290 | .19430 | .10590 | -.06650 | .00770 | .01600 | -10.07000 | 5.01000 |
| 1.047 | 3.120 | .14810 | .18180 | .13160 | .19410 | .10590 | -.08730 | .00460 | .01870 | -10.06000 | 5.01000 |
| 1.048 | 4.180 | .14300 | .18200 | .12650 | .19380 | .10660 | -.10770 | .00160 | .02150 | -10.06000 | 5.01000 |
| 1.048 | 6.280 | .13970 | .18270 | .12330 | .19420 | .10520 | -.15270 | -.00290 | .02810 | -10.07000 | 5.01000 |
| 1.046 | 8.380 | .14320 | .18130 | .12680 | .19310 | .10580 | -.19490 | -.00960 | .03430 | -10.08000 | 5.02000 |
| | GRADIENT | -.00121 | -.00006 | -.00119 | -.00018 | .00004 | -.01916 | -.00243 | .00217 | -.00032 | .00142 |

ARC 200-1 11(LA77) OV101 (R2B092) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 146/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.930 | -.33960 | .12390 | -.33520 | .13530 | .17480 | -.02300 | .01550 | .00990 | -10.06000 | 5.01000 |
| .900 | -.010 | -.22150 | .12250 | -.22150 | .12250 | .16230 | -.02280 | .01510 | .00950 | -10.08000 | 5.01000 |
| .900 | 2.020 | -.10200 | .12010 | -.10610 | .11650 | .15220 | -.02270 | .01460 | .00890 | -10.08000 | 5.01000 |
| .900 | 3.000 | -.04180 | .11860 | -.04790 | .11630 | .14520 | -.02300 | .01460 | .00860 | -10.10000 | 5.02000 |
| .899 | 4.020 | .02780 | .11570 | .01970 | .11740 | .13410 | -.02290 | .01440 | .00820 | -10.07000 | 4.99000 |
| .901 | 5.030 | .09260 | .11370 | .08220 | .12140 | .12460 | -.02290 | .01350 | .00800 | -10.10000 | 5.02000 |
| .899 | 6.010 | .15300 | .10990 | .14070 | .12530 | .11590 | -.02140 | .01190 | .00730 | -10.08000 | 5.01000 |
| .900 | 7.020 | .21180 | .10920 | .19690 | .13430 | .11180 | -.02040 | .00870 | .00650 | -10.08000 | 5.01000 |
| .900 | 7.990 | .26480 | .10750 | .24730 | .14320 | .10860 | -.01910 | .00700 | .00600 | -10.09000 | 5.02000 |
| .901 | 9.000 | .32220 | .10570 | .30170 | .15490 | .10480 | -.01920 | .00620 | .00590 | -10.09000 | 5.01000 |
| .899 | 10.010 | .37250 | .10600 | .34860 | .16820 | .10510 | -.01960 | -.00570 | .00600 | -10.09000 | 5.02000 |
| .900 | 11.990 | .48590 | .10550 | .45340 | .20420 | .09800 | -.01790 | .00510 | .00570 | -10.09000 | 5.02000 |
| .902 | 14.000 | .57520 | .10420 | .53290 | .24020 | .09450 | -.01370 | .00600 | .00450 | -10.08000 | 4.99000 |
| .898 | 15.970 | .66470 | .10480 | .61020 | .28360 | .09010 | -.01610 | .00670 | .00530 | -10.10000 | 5.01000 |
| .900 | 17.970 | .76200 | .10520 | .69240 | .33520 | .09200 | -.01220 | .00620 | .00320 | -10.09000 | 5.02000 |
| .899 | 19.970 | .84370 | .10420 | .75740 | .38610 | .10500 | -.00850 | .00680 | .00210 | -10.10000 | 5.02000 |
| | GRADIENT | .06115 | -.00131 | .05906 | -.00304 | -.00648 | .00001 | -.00019 | -.00028 | -.00317 | -.00158 |

RUN NO. 138/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.980 | -.35810 | .14330 | -.35300 | .15560 | .19830 | -.02760 | .01820 | .01230 | -9.92000 | 5.00000 |
| .949 | .000 | -.23190 | .14360 | -.23190 | .14360 | .18430 | -.02880 | .01890 | .01240 | -9.93000 | 5.14000 |
| .949 | 2.000 | -.09870 | .14140 | -.10360 | .13790 | .16380 | -.02910 | .01800 | .01190 | -10.05000 | 5.00000 |
| .948 | 3.010 | -.03060 | .13840 | -.03790 | .13660 | .15200 | -.02840 | .01730 | .01150 | -10.06000 | 5.01000 |
| .948 | 4.050 | .04210 | .13860 | .03220 | .14120 | .13960 | -.02840 | .01590 | .01140 | -10.07000 | 5.01000 |
| .949 | 5.030 | .11270 | .13630 | .10030 | .14570 | .12560 | -.02800 | .01430 | .01120 | -10.06000 | 4.99000 |
| .948 | 6.010 | .18000 | .13330 | .16510 | .15140 | .11340 | -.02690 | .01210 | .01050 | -10.07000 | 4.98000 |
| .948 | 6.960 | .24090 | .13070 | .22320 | .15890 | .10390 | -.02640 | .01150 | .00980 | -10.10000 | 4.97000 |
| .948 | 7.930 | .30280 | .12900 | .28210 | .16950 | .09560 | -.02590 | .01120 | .00930 | -10.05000 | 4.93000 |
| .947 | 8.960 | .36380 | .12830 | .33930 | .18340 | .09010 | -.02660 | .01060 | .00850 | -10.22000 | 4.98000 |
| .948 | 9.940 | .42470 | .12520 | .39680 | .19660 | .08160 | -.02710 | .01080 | .00790 | -10.08000 | 5.00000 |
| .948 | 11.990 | .54450 | .12270 | .50720 | .23320 | .06930 | -.02210 | .00800 | .00590 | -10.12000 | 5.05000 |
| .949 | 14.020 | .64960 | .12040 | .60110 | .27420 | .06140 | -.01580 | .00820 | .00300 | -10.16000 | 5.09000 |
| .947 | 16.000 | .75230 | .11770 | .69070 | .32050 | .05620 | -.00760 | .00860 | -.00180 | -9.91000 | 5.10000 |
| .947 | 17.960 | .86090 | .11720 | .78290 | .37700 | .05300 | -.00460 | .00810 | .00440 | -10.12000 | 4.99000 |
| .950 | 20.020 | .96560 | .11710 | .86720 | .44050 | .05500 | -.01180 | .01010 | .00480 | -10.08000 | 4.98000 |
| | GRADIENT | .06631 | -.00093 | .06384 | -.00264 | -.00979 | -.00011 | -.00037 | -.00017 | -.02911 | -.00668 |

ARC 200-1 11(LA77) OV101 (R28092) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 128/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.000 | -.33460 | .18600 | -.32790 | .19760 | .20220 | -.02890 | .01690 | .01380 | -10.05000 | 4.97000 |
| 1.047 | -.060 | -.20270 | .18440 | -.20250 | .18460 | .17990 | -.02860 | .01630 | .01330 | -10.14000 | 4.96000 |
| 1.047 | 1.960 | -.05930 | .18410 | -.06560 | .18190 | .15040 | -.02800 | .01500 | .01270 | -10.06000 | 4.97000 |
| 1.048 | 2.940 | .00740 | .18400 | -.00210 | .18410 | .13610 | -.02720 | .01390 | .01230 | -10.12000 | 5.00000 |
| 1.046 | 3.980 | .07880 | .18310 | .06600 | .18810 | .12120 | -.02780 | .01310 | .01220 | -10.12000 | 5.05000 |
| 1.046 | 4.990 | .14700 | .18210 | .13070 | .19410 | .10740 | -.02720 | .01240 | .01190 | -10.10000 | 5.02000 |
| 1.047 | 5.970 | .20990 | .18100 | .19000 | .20190 | .09600 | -.02730 | .01210 | .01190 | -10.11000 | 5.00000 |
| 1.047 | 6.950 | .27070 | .18020 | .24690 | .21170 | .08680 | -.02660 | .01140 | .01160 | -10.12000 | 4.99000 |
| 1.047 | 7.910 | .32670 | .17880 | .29900 | .22200 | .08040 | -.02670 | .01110 | .01170 | -10.16000 | 5.00000 |
| 1.047 | 8.930 | .38830 | .17700 | .35620 | .23510 | .07270 | -.02680 | .01040 | .01160 | -10.10000 | 5.01000 |
| 1.047 | 9.940 | .45020 | .17460 | .41330 | .24970 | .06440 | -.02620 | .00990 | .01130 | -10.09000 | 5.02000 |
| 1.048 | 11.890 | .56440 | .16930 | .51740 | .28200 | .05320 | -.01990 | .00820 | .00920 | -10.11000 | 5.04000 |
| 1.045 | 13.880 | .67260 | .16670 | .61300 | .32320 | .04670 | -.01590 | .00880 | .00760 | -10.13000 | 5.06000 |
| 1.048 | 16.010 | .79340 | .16110 | .71820 | .37370 | .03480 | -.01060 | .00730 | .00540 | -10.09000 | 5.02000 |
| 1.047 | 17.980 | .91050 | .15640 | .81780 | .42990 | .02460 | -.01490 | .00830 | .00700 | -10.11000 | 5.03000 |
| 1.045 | 20.010 | 1.03090 | .15090 | .91700 | .49460 | .01030 | -.01490 | .00990 | .00630 | -10.08000 | 5.03000 |
| | GRADIENT | .06913 | -.00048 | .06586 | -.00048 | -.01377 | .00025 | -.00067 | -.00028 | -.00522 | .01064 |

ARC 200-1 11(LA77) OV101 (R2B093) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 170/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.970 | -.15130 | .08440 | -.14830 | .08960 | .05590 | -.03200 | -.00910 | .01340 | -.03000 | -.05000 |
| .596 | .100 | -.05630 | .08540 | -.05650 | .08530 | .05480 | -.03170 | -.00900 | .01300 | -.03000 | -.05000 |
| .597 | 2.050 | .03670 | .08210 | .03380 | .08340 | .05460 | -.03080 | -.00900 | .01270 | -.03000 | -.04000 |
| .597 | 4.030 | .12960 | .07570 | .12400 | .08460 | .05310 | -.02970 | -.00890 | .01210 | -.03000 | -.04000 |
| .597 | 6.010 | .22760 | .06620 | .21940 | .08970 | .05110 | -.02930 | -.00880 | .01160 | -.04000 | -.05000 |
| .597 | 7.980 | .32830 | .05380 | .31760 | .09880 | .04790 | -.02880 | -.00870 | .01120 | -.07000 | -.07000 |
| .597 | 9.990 | .43330 | .03950 | .41990 | .11410 | .04590 | -.02850 | -.00880 | .01090 | -.06000 | -.03000 |
| .596 | 11.050 | .49090 | .03180 | .47570 | .12530 | .04620 | -.02810 | -.00880 | .01080 | -.02000 | -.04000 |
| .596 | 12.040 | .54030 | .02530 | .52310 | .13750 | .04810 | -.02890 | -.00870 | .01050 | -.05000 | -.05000 |
| .596 | 13.020 | .59940 | .02080 | .57930 | .15530 | .04640 | -.02950 | -.00920 | .01120 | -.08000 | -.05000 |
| .597 | 13.990 | .65190 | .02180 | .62730 | .17880 | .04470 | -.03320 | -.00580 | .01310 | -.06000 | -.03000 |
| .596 | 15.000 | .70890 | .02430 | .67850 | .20700 | .04120 | -.03090 | -.00550 | .01180 | -.01000 | -.07000 |
| .597 | 16.020 | .76270 | .02600 | .72590 | .23550 | .03920 | -.02930 | -.00670 | .01030 | .00000 | -.11000 |
| .597 | 17.980 | .87660 | .02990 | .82460 | .29910 | .03150 | -.03030 | -.00650 | .01080 | -.02000 | -.03000 |
| .596 | 19.970 | 1.00530 | .03560 | .93270 | .37680 | .01700 | -.03310 | -.00790 | .01150 | -.02000 | -.04000 |
| | GRADIENT | .04690 | -.00146 | .04547 | -.00085 | -.00043 | .00039 | .00003 | -.00021 | .00000 | .00200 |

RUN NO. 151/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -1.930 | -.15240 | .17680 | -.14640 | .18180 | .09420 | -.02170 | -.00780 | .01180 | -.01000 | -.02000 |
| 1.197 | -.010 | -.02860 | .17640 | -.02850 | .17640 | .06470 | -.02140 | -.00770 | .01170 | -.05000 | -.04000 |
| 1.196 | 2.020 | .09530 | .17490 | .08900 | .17820 | .03860 | -.02180 | -.00760 | .01150 | -.07000 | -.03000 |
| 1.196 | 3.980 | .21010 | .17330 | .19760 | .18750 | .01650 | -.02170 | -.00780 | .01140 | -.08000 | -.01000 |
| 1.197 | 5.990 | .32670 | .17040 | .30720 | .20350 | -.00410 | -.02200 | -.00820 | .01130 | -.03000 | -.01000 |
| 1.196 | 8.000 | .43980 | .16620 | .41240 | .22580 | -.01880 | -.02160 | -.00820 | .01130 | -.02000 | -.02000 |
| 1.198 | 10.010 | .54210 | .16000 | .50600 | .25180 | -.02440 | -.02250 | -.00790 | .01090 | -.03000 | -.02000 |
| 1.197 | 11.010 | .60190 | .15800 | .56070 | .27000 | -.03000 | -.02220 | -.00770 | .01070 | -.02000 | -.01000 |
| 1.198 | 12.030 | .65700 | .15650 | .60990 | .29000 | -.03380 | -.02060 | -.00810 | .01010 | -.03000 | -.02000 |
| 1.196 | 13.280 | .72880 | .15580 | .67350 | .31900 | -.03980 | -.02130 | -.00820 | .01020 | .02000 | .00000 |
| 1.197 | 14.030 | .77010 | .15560 | .70950 | .33760 | -.04360 | -.02180 | -.00820 | .01040 | -.03000 | -.02000 |
| 1.197 | 15.030 | .82430 | .15540 | .75590 | .36370 | -.04830 | -.02150 | -.00860 | .01040 | -.04000 | -.02000 |
| 1.197 | 16.040 | .88000 | .15520 | .80290 | .39230 | -.05350 | -.02260 | -.00870 | .01080 | -.04000 | -.02000 |
| 1.197 | 17.940 | .98250 | .15290 | .88760 | .44810 | -.06330 | -.02470 | -.00840 | .01160 | -.02000 | -.03000 |
| 1.195 | 20.000 | 1.07900 | .15060 | .96250 | .51050 | -.06540 | -.02680 | -.00830 | .01210 | -.03000 | -.03000 |
| | GRADIENT | .06130 | -.00061 | .05817 | .00096 | -.01311 | -.00002 | .00001 | -.00007 | -.01162 | .00205 |

ARC 200-1 11(LA77) OV101 (R28094) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPOBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 171/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.930 | -.32330 | .09110 | -.32000 | .10190 | .14170 | -.03180 | -.00680 | .01330 | -9.91000 | .02000 |
| .596 | -.020 | -.23310 | .09270 | -.23310 | .09280 | .14010 | -.03100 | -.00710 | .01300 | -9.91000 | .02000 |
| .597 | 2.010 | -.14410 | .09040 | -.14720 | .08530 | .14160 | -.03000 | -.00790 | .01230 | -9.91000 | .01000 |
| .596 | 4.000 | -.05010 | .08450 | -.05590 | .08080 | .14180 | -.02860 | -.00790 | .01190 | -9.91000 | .02000 |
| .597 | 6.100 | .04990 | .07450 | .04170 | .07940 | .14010 | -.02820 | -.00740 | .01150 | -9.91000 | .01000 |
| .597 | 7.970 | .14150 | .06310 | .13130 | .08210 | .13950 | -.02860 | -.00720 | .01110 | -9.92000 | .02000 |
| .597 | 10.000 | .24420 | .04940 | .23190 | .09110 | .13890 | -.02760 | -.00740 | .01090 | -9.93000 | .03000 |
| .597 | 10.970 | .29210 | .04240 | .27870 | .09720 | .14020 | -.02770 | -.00760 | .01060 | -9.93000 | .03000 |
| .597 | 12.010 | .34530 | .03550 | .33040 | .10650 | .14090 | -.02770 | -.00770 | .01040 | -9.94000 | .04000 |
| .597 | 12.980 | .39760 | .02930 | .38090 | .11780 | .14120 | -.02740 | -.00800 | .01030 | -9.88000 | -.01000 |
| .596 | 13.980 | .45860 | .02690 | .43850 | .13690 | .13820 | -.03010 | -.00810 | .01160 | -9.93000 | .03000 |
| .597 | 14.970 | .51580 | .02720 | .49130 | .15950 | .13430 | -.02980 | -.00670 | .01180 | -9.89000 | .06000 |
| .597 | 16.010 | .57620 | .02820 | .54600 | .18610 | .12950 | -.02950 | -.00610 | .01110 | -9.94000 | -.01000 |
| .597 | 17.990 | .69110 | .02960 | .64810 | .24160 | .12320 | -.02810 | -.00650 | .00970 | -9.96000 | .01000 |
| .596 | 19.970 | .81260 | .03440 | .75200 | .30990 | .11150 | -.03070 | -.00720 | .01040 | -9.94000 | .01000 |
| | GRADIENT | .04584 | -.00112 | .04430 | -.00357 | .00009 | .00054 | -.00021 | -.00025 | -.00000 | -.00051 |

RUN NO. 152/ 0 RN/L = 6.89 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -1.930 | -.25530 | .19190 | -.24870 | .20040 | .16570 | -.02310 | -.00720 | .01200 | -9.91000 | -.01000 |
| 1.197 | .040 | -.12280 | .18920 | -.12300 | .18910 | .13110 | -.02270 | -.00720 | .01170 | -9.91000 | -.03000 |
| 1.197 | 2.020 | .00270 | .18570 | -.00380 | .18570 | .10180 | -.02260 | -.00730 | .01160 | -9.92000 | -.02000 |
| 1.197 | 3.990 | .12110 | .18380 | .10800 | .19180 | .07790 | -.02260 | -.00760 | .01140 | -9.93000 | -.01000 |
| 1.198 | 5.970 | .23830 | .18030 | .21830 | .20410 | .05600 | -.02220 | -.00760 | .01140 | -9.97000 | .03000 |
| 1.196 | 8.000 | .35400 | .17530 | .32620 | .22280 | .03950 | -.02200 | -.00760 | .01090 | -9.94000 | .00000 |
| 1.195 | 10.010 | .46700 | .16920 | .43050 | .24790 | .02850 | -.02270 | -.00740 | .01090 | -9.93000 | -.01000 |
| 1.197 | 11.050 | .52640 | .16610 | .48480 | .26390 | .02360 | -.02290 | -.00720 | .01090 | -9.96000 | .03000 |
| 1.196 | 12.070 | .58220 | .16320 | .53520 | .28130 | .02030 | -.02260 | -.00780 | .01070 | -9.94000 | .02000 |
| 1.195 | 13.050 | .64100 | .16230 | .58790 | .30280 | .01440 | -.02240 | -.00790 | .01080 | -9.92000 | .00000 |
| 1.197 | 13.980 | .69340 | .16080 | .63400 | .32360 | .00860 | -.02230 | -.00780 | .01070 | -9.94000 | .02000 |
| 1.195 | 15.060 | .74970 | .15850 | .68280 | .34780 | .00630 | -.02060 | -.00630 | .01000 | -9.90000 | -.02000 |
| 1.196 | 15.980 | .80120 | .15630 | .72730 | .37080 | .00130 | -.02130 | -.00850 | .00990 | -9.90000 | -.02000 |
| 1.196 | 18.020 | .91060 | .15190 | .81900 | .42610 | -.00790 | -.02390 | -.00830 | .01110 | -9.91000 | -.01000 |
| 1.197 | 19.980 | 1.00050 | .14740 | .89000 | .48030 | -.00830 | -.02540 | -.00820 | .01140 | -9.92000 | .00000 |
| | GRADIENT | .06356 | -.00141 | .06025 | -.00148 | -.01483 | .00008 | -.00007 | -.00010 | -.00355 | .00051 |

ARC 200-1 11(LA77) OV101 (R2B095) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 172/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.800 | -.14210 | .08350 | -.13940 | .08790 | .05220 | -.10900 | -.01150 | .02100 | -.04000 | -.05000 |
| .597 | .130 | -.05400 | .08450 | -.05410 | .08440 | .05060 | -.10860 | -.01290 | .02070 | -.04000 | -.05000 |
| .597 | 2.080 | .03720 | .08180 | .03420 | .08310 | .04990 | -.10710 | -.01410 | .02050 | -.03000 | -.04000 |
| .596 | 4.010 | .13020 | .07550 | .12460 | .08440 | .04760 | -.10760 | -.01510 | .02010 | -.04000 | -.05000 |
| .597 | 6.020 | .23200 | .06550 | .22390 | .08950 | .04500 | -.10780 | -.01620 | .02000 | -.07000 | -.07000 |
| .597 | 8.030 | .33690 | .05280 | .32630 | .09940 | .04300 | -.10710 | -.01770 | .01970 | -.04000 | -.03000 |
| .597 | 10.040 | .44190 | .03790 | .42850 | .11440 | .04160 | -.10510 | -.02060 | .01940 | .07000 | .05000 |
| .596 | 11.020 | .49550 | .03090 | .48050 | .12510 | .04150 | -.10420 | -.02170 | .01910 | -.05000 | -.06000 |
| .596 | 12.070 | .55420 | .02370 | .53700 | .13910 | .04070 | -.10340 | -.02210 | .01890 | -.03000 | -.06000 |
| .597 | 13.040 | .60830 | .01800 | .58850 | .15480 | .03960 | -.10340 | -.02140 | .01860 | -.06000 | -.06000 |
| .596 | 14.020 | .66490 | .02140 | .63990 | .18190 | .03450 | -.10710 | -.01700 | .02020 | -.06000 | -.03000 |
| .597 | 15.020 | .71430 | .02490 | .68340 | .20910 | .03210 | -.10690 | -.01590 | .01990 | -.11000 | -.02000 |
| .596 | 16.030 | .77000 | .02590 | .73300 | .23750 | .02930 | -.10750 | -.01440 | .02040 | .05000 | .03000 |
| .596 | 18.000 | .86970 | .02480 | .81950 | .29230 | .03260 | -.10870 | -.01670 | .02020 | -.04000 | -.06000 |
| .597 | 19.950 | .98440 | .02640 | .91620 | .36080 | .02390 | -.11110 | -.01710 | .02120 | -.04000 | -.05000 |
| | GRADIENT | .04686 | -.00138 | .04542 | -.00061 | -.00075 | .00029 | -.00062 | -.00015 | .00052 | .00052 |

RUN NO. 153/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.910 | -.15600 | .17960 | -.14990 | .18470 | .09290 | -.09720 | -.01420 | .01840 | -.01000 | -.06000 |
| 1.198 | .020 | -.03420 | .17930 | -.03430 | .17930 | .06460 | -.09640 | -.01490 | .01790 | .00000 | -.07000 |
| 1.197 | 2.050 | .08970 | .17710 | .08330 | .18020 | .03860 | -.09390 | -.01560 | .01700 | -.04000 | -.05000 |
| 1.197 | 4.050 | .20900 | .17430 | .19610 | .18860 | .01600 | -.09150 | -.01630 | .01600 | .00000 | -.05000 |
| 1.198 | 6.020 | .32440 | .17150 | .30470 | .20450 | -.00250 | -.08880 | -.01670 | .01470 | .02000 | -.03000 |
| 1.198 | 8.030 | .43710 | .16790 | .40940 | .22730 | -.01540 | -.09190 | -.01630 | .01580 | -.01000 | -.04000 |
| 1.198 | 10.010 | .54630 | .16330 | .50960 | .25580 | -.02500 | -.08950 | -.01770 | .01480 | -.01000 | -.04000 |
| 1.196 | 11.070 | .60260 | .16170 | .56030 | .27440 | -.02840 | -.09050 | -.01740 | .01440 | -.01000 | -.04000 |
| 1.198 | 12.140 | .66120 | .16030 | .61270 | .29570 | -.03320 | -.09180 | -.01720 | .01440 | .00000 | -.05000 |
| 1.196 | 13.130 | .71860 | .15890 | .66370 | .31800 | -.03880 | -.09300 | -.01670 | .01420 | -.01000 | -.04000 |
| 1.198 | 14.030 | .77280 | .15770 | .71150 | .34030 | -.04720 | -.09310 | -.01470 | .01360 | -.03000 | -.03000 |
| 1.197 | 15.100 | .83180 | .15590 | .76250 | .36720 | -.05310 | -.09280 | -.01420 | .01230 | .01000 | -.05000 |
| 1.198 | 16.110 | .88320 | .15460 | .80560 | .39350 | -.05600 | -.09160 | -.01440 | .01090 | -.01000 | -.05000 |
| 1.196 | 18.060 | .97960 | .15080 | .88460 | .44700 | -.05970 | -.08980 | -.01550 | .00760 | .00000 | -.05000 |
| 1.196 | 19.990 | 1.06820 | .14700 | .95360 | .50330 | -.06090 | -.08830 | -.01590 | .00440 | -.04000 | -.03000 |
| | GRADIENT | .06121 | -.00091 | .05803 | .00064 | -.01289 | .00099 | -.00035 | -.00041 | -.00052 | .00254 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B096) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 173/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -6.190 | .50280 | .03130 | .48770 | .12640 | .03810 | .08160 | .00800 | -.00040 | -.08000 | .00000 |
| .597 | -4.150 | .49270 | .03160 | .47770 | .12470 | .04260 | .04180 | .00210 | .00490 | -.05000 | -.02000 |
| .597 | -3.190 | .49360 | .03220 | .47840 | .12570 | .04340 | .02450 | -.00050 | .00630 | -.04000 | -.10000 |
| .597 | -2.130 | .49220 | .03270 | .47690 | .12610 | .04570 | .00640 | -.00290 | .00800 | -.06000 | -.07000 |
| .597 | -1.070 | .48940 | .03260 | .47420 | .12560 | .04660 | -.01020 | -.00560 | .00960 | -.04000 | -.03000 |
| .597 | .010 | .49180 | .03190 | .47650 | .12600 | .04700 | -.02860 | -.00840 | .01090 | -.05000 | -.03000 |
| .597 | 1.090 | .48850 | .03240 | .47330 | .12490 | .04640 | -.04730 | -.01130 | .01270 | -.04000 | -.03000 |
| .596 | 2.170 | .49070 | .03200 | .47560 | .12490 | .04460 | -.06650 | -.01420 | .01480 | -.03000 | -.02000 |
| .596 | 3.190 | .49000 | .03180 | .47500 | .12420 | .04270 | -.08590 | -.01780 | .01680 | .00000 | -.04000 |
| .597 | 4.210 | .48660 | .03190 | .47180 | .12330 | .04220 | -.10450 | -.02110 | .01920 | -.01000 | -.04000 |
| .596 | 6.240 | .48660 | .03170 | .47200 | .12270 | .03720 | -.14680 | -.02490 | .02350 | -.02000 | -.05000 |
| .596 | 8.290 | .49730 | .03020 | .48270 | .12330 | .03580 | -.18730 | -.02980 | .02940 | -.04000 | -.05000 |
| | GRADIENT | -.00062 | -.00003 | -.00059 | -.00021 | -.00010 | -.01735 | -.00273 | .00166 | .00537 | .00323 |

RUN NO. 154/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -6.190 | .55710 | .16150 | .52020 | .25670 | -.02470 | .07830 | .00570 | .00470 | -.06000 | -.02000 |
| 1.198 | -4.150 | .55740 | .16080 | .52060 | .25590 | -.02800 | .04290 | .00120 | .00770 | -.02000 | -.05000 |
| 1.196 | -3.110 | .55490 | .16060 | .51830 | .25510 | -.02640 | .02530 | -.00180 | .00860 | -.01000 | -.05000 |
| 1.197 | -2.080 | .55090 | .15970 | .51460 | .25330 | -.02510 | .00920 | -.00370 | .00950 | -.01000 | -.06000 |
| 1.198 | -1.030 | .54630 | .15930 | .51030 | .25190 | -.02550 | -.00660 | -.00600 | .01020 | -.03000 | -.04000 |
| 1.197 | -.030 | .54180 | .15900 | .50600 | .25080 | -.02400 | -.02200 | -.00790 | .01070 | -.04000 | -.04000 |
| 1.197 | .990 | .54530 | .15980 | .50900 | .25260 | -.02440 | -.03820 | -.00960 | .01170 | -.02000 | -.02000 |
| 1.197 | 2.070 | .54910 | .16080 | .51240 | .25450 | -.02510 | -.05540 | -.01180 | .01280 | -.02000 | -.03000 |
| 1.199 | 3.110 | .54990 | .16180 | .51310 | .25560 | -.02550 | -.07110 | -.01520 | .01360 | -.02000 | -.03000 |
| 1.198 | 4.170 | .54740 | .16310 | .51040 | .25630 | -.02450 | -.08900 | -.01750 | .01470 | -.02000 | -.03000 |
| 1.198 | 6.270 | .54280 | .16410 | .50570 | .25640 | -.02170 | -.12700 | -.02100 | .01760 | -.03000 | -.05000 |
| 1.197 | 8.380 | .54420 | .16520 | .50690 | .25790 | -.01810 | -.16400 | -.02560 | .02030 | -.03000 | -.03000 |
| | GRADIENT | -.00095 | .00025 | -.00099 | .00010 | .00028 | -.01570 | -.00217 | .00082 | -.00064 | .00352 |

ARC 200-1 11(LA77) OV101 (R2B097) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 166/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.930 | -.17060 | .10280 | -.16700 | .10850 | .07180 | -.03510 | -.00830 | .01560 | -.04000 | -.03000 |
| .897 | .050 | -.05790 | .10220 | -.05800 | .10210 | .06490 | -.03350 | -.00830 | .01480 | -.04000 | -.02000 |
| .899 | 2.020 | .05410 | .10080 | .05060 | .10270 | .05880 | -.03230 | -.00860 | .01400 | -.03000 | -.01000 |
| .898 | 3.020 | .11240 | .10060 | .10690 | .10640 | .05480 | -.03130 | -.00860 | .01380 | -.03000 | -.01000 |
| .899 | 3.970 | .16090 | .09960 | .15360 | .11050 | .05310 | -.03140 | -.00840 | .01350 | -.03000 | -.01000 |
| .897 | 5.010 | .21180 | .09800 | .20250 | .11610 | .05240 | -.03140 | -.00820 | .01320 | -.04000 | .01000 |
| .898 | 5.990 | .26860 | .09770 | .25690 | .12520 | .04770 | -.02940 | -.00890 | .01230 | -.02000 | -.04000 |
| .897 | 7.010 | .31640 | .09620 | .30230 | .13410 | .04760 | -.02950 | -.00890 | .01200 | -.03000 | -.05000 |
| .899 | 7.970 | .36850 | .09470 | .35180 | .14490 | .04320 | -.02800 | -.00910 | .01150 | -.05000 | -.05000 |
| .897 | 8.980 | .41340 | .09270 | .39390 | .15610 | .04500 | -.02860 | -.01000 | .01150 | -.04000 | -.04000 |
| .898 | 10.020 | .46890 | .09350 | .44540 | .17370 | .04310 | -.03060 | -.00860 | .01210 | -.04000 | -.05000 |
| .898 | 11.980 | .55780 | .09300 | .52630 | .20670 | .03900 | -.03180 | -.00790 | .01210 | -.04000 | -.07000 |
| .899 | 13.980 | .65700 | .09300 | .61510 | .24890 | .02980 | -.03010 | -.00660 | .01090 | -.07000 | -.05000 |
| .897 | 16.030 | .76770 | .09510 | .71160 | .30340 | .02200 | -.03280 | -.00650 | .01090 | -.04000 | -.06000 |
| .897 | 18.050 | .87180 | .09510 | .79940 | .36050 | .01940 | -.03520 | -.00700 | .01130 | -.01000 | -.02000 |
| .899 | 19.950 | .95440 | .09560 | .86450 | .41550 | .02640 | -.03860 | -.00590 | .01200 | -.08000 | -.09000 |
| | GRADIENT | .05652 | -.00053 | .05468 | .00032 | -.00324 | .00066 | -.00004 | -.00036 | .00210 | .00359 |

RUN NO. 160/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -1.960 | -.17290 | .12380 | -.16850 | .12960 | .07560 | -.02900 | -.01010 | .01420 | -.06000 | -.04000 |
| .946 | .070 | -.04580 | .12380 | -.04590 | .12370 | .06250 | -.02740 | -.00970 | .01330 | -.05000 | -.03000 |
| .947 | 2.050 | .07750 | .12140 | .07310 | .12410 | .04650 | -.02600 | -.00950 | .01240 | -.01000 | -.04000 |
| .947 | 3.040 | .13920 | .12190 | .13260 | .12910 | .03920 | -.02600 | -.00930 | .01200 | -.01000 | -.04000 |
| .948 | 4.020 | .20130 | .12040 | .19240 | .13420 | .03140 | -.02510 | -.00910 | .01180 | -.01000 | -.03000 |
| .949 | 4.980 | .25930 | .11910 | .24800 | .14120 | .02420 | -.02480 | -.00910 | .01170 | -.02000 | -.04000 |
| .946 | 6.030 | .31720 | .11470 | .30340 | .14740 | .01970 | -.02570 | -.00890 | .01150 | -.02000 | -.05000 |
| .946 | 7.050 | .37340 | .11350 | .35670 | .15850 | .01460 | -.02670 | -.00830 | .01130 | -.03000 | -.07000 |
| .948 | 8.020 | .42890 | .11350 | .40880 | .17220 | .00950 | -.02630 | -.00800 | .01060 | -.03000 | -.08000 |
| .947 | 9.020 | .48330 | .11130 | .45990 | .18570 | .00710 | -.02740 | -.00800 | .00990 | -.04000 | -.05000 |
| .948 | 10.040 | .53790 | .11040 | .51050 | .20250 | .00380 | -.02600 | -.00800 | .00890 | -.04000 | -.05000 |
| .949 | 12.030 | .63550 | .11070 | .59840 | .24080 | .00060 | -.02740 | -.00770 | .00810 | -.03000 | -.03000 |
| .949 | 14.010 | .73540 | .11240 | .68630 | .28700 | -.00450 | -.02850 | -.00610 | .00700 | -.03000 | -.03000 |
| .948 | 16.030 | .84160 | .11180 | .77800 | .33980 | -.01040 | -.02920 | -.00630 | .00590 | -.02000 | -.02000 |
| .947 | 18.030 | .95100 | .11150 | .86980 | .40040 | -.01410 | -.03510 | -.00520 | .00580 | -.01000 | -.07000 |
| .946 | 19.960 | 1.03750 | .11250 | .93670 | .45990 | -.00370 | -.03900 | -.00380 | .01410 | .01000 | -.05000 |
| | GRADIENT | .06236 | -.00067 | .06012 | .00162 | -.00750 | .00060 | .00015 | -.00038 | .00744 | .00001 |

ARC 200-1 11(LA77) OV101 (R28097) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 155/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.940 | -.18550 | .16670 | -.17970 | .17290 | .10350 | -.02390 | -.00830 | .01250 | -.02000 | -.04000 |
| 1.047 | .000 | -.05440 | .16570 | -.05440 | .16570 | .08040 | -.02420 | -.00860 | .01230 | -.02000 | -.04000 |
| 1.046 | 2.010 | .08050 | .16520 | .07460 | .16850 | .05580 | -.02430 | -.00870 | .01220 | -.02000 | -.03000 |
| 1.044 | 3.020 | .14670 | .16600 | .13770 | .17350 | .04310 | -.02480 | -.00900 | .01220 | -.03000 | -.04000 |
| 1.046 | 3.980 | .20960 | .16540 | .19760 | .17950 | .03100 | -.02440 | -.00910 | .01210 | -.02000 | -.05000 |
| 1.046 | 5.030 | .27450 | .16450 | .25900 | .18790 | .02050 | -.02510 | -.00920 | .01200 | -.03000 | -.05000 |
| 1.046 | 5.960 | .33080 | .16340 | .31210 | .19680 | .01200 | -.02490 | -.00950 | .01200 | -.05000 | -.02000 |
| 1.044 | 7.060 | .39440 | .16150 | .37160 | .20870 | .00350 | -.02570 | -.00870 | .01230 | -.03000 | -.04000 |
| 1.047 | 8.030 | .44620 | .15980 | .41950 | .22060 | -.00060 | -.02570 | -.00890 | .01230 | -.05000 | -.03000 |
| 1.047 | 9.030 | .50070 | .15820 | .46970 | .23480 | -.00460 | -.02520 | -.00970 | .01170 | -.05000 | -.03000 |
| 1.046 | 9.990 | .55520 | .15750 | .51940 | .25150 | -.00900 | -.02540 | -.00920 | .01180 | -.02000 | -.06000 |
| 1.047 | 11.980 | .66420 | .15490 | .61760 | .28940 | -.01650 | -.02330 | -.00900 | .01080 | -.05000 | -.03000 |
| 1.044 | 13.990 | .77170 | .15520 | .71130 | .33710 | -.02170 | -.02480 | -.00850 | .01110 | -.03000 | -.04000 |
| 1.046 | 16.000 | .88600 | .15370 | .80930 | .39200 | -.03170 | -.02710 | -.00980 | .01230 | -.03000 | -.05000 |
| 1.044 | 18.040 | 1.00550 | .15200 | .90910 | .45590 | -.04360 | -.03050 | -.01000 | .01380 | -.02000 | -.07000 |
| 1.045 | 19.960 | 1.12500 | .14930 | 1.00650 | .52440 | -.06060 | -.03360 | -.00930 | .01480 | -.02000 | -.06000 |
| | GRADIENT | .06678 | -.00016 | .06379 | .00112 | -.01225 | -.00011 | -.00013 | -.00006 | -.00071 | -.00087 |

ARC 200-1 11(LA77) OV101 (R2B098) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 167/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.940 | -.34980 | .12300 | -.34540 | .13470 | .18330 | -.03100 | -.00720 | .01450 | -9.89000 | -.01000 |
| .900 | .050 | -.22890 | .12220 | -.22900 | .12200 | .17190 | -.03030 | -.00720 | .01390 | -9.89000 | -.02000 |
| .899 | 2.020 | -.10770 | .11770 | -.11180 | .11380 | .15710 | -.02960 | -.00720 | .01330 | -9.90000 | -.01000 |
| .899 | 3.030 | -.04560 | .11710 | -.05180 | .11450 | .15090 | -.02970 | -.00750 | .01300 | -9.90000 | -.02000 |
| .900 | 3.990 | .01790 | .11540 | .00980 | .11540 | .14140 | -.02900 | -.00740 | .01280 | -9.91000 | -.01000 |
| .897 | 5.020 | .08700 | .11150 | .07690 | .11870 | .12930 | -.02870 | -.00760 | .01240 | -9.95000 | .02000 |
| .898 | 5.960 | .14760 | .10980 | .13540 | .12450 | .12110 | -.02750 | -.00820 | .01170 | -9.93000 | .00000 |
| .899 | 7.050 | .21500 | .10840 | .20010 | .13400 | .11390 | -.02720 | -.00860 | .01130 | -9.95000 | .01000 |
| .900 | 8.000 | .26460 | .10570 | .24730 | .14150 | .10980 | -.02640 | -.00910 | .01080 | -9.94000 | -.02000 |
| .900 | 9.020 | .31850 | .10430 | .29820 | .15290 | .10880 | -.02730 | -.00940 | .01090 | -9.95000 | -.02000 |
| .898 | 10.020 | .36770 | .10370 | .34400 | .16610 | .10870 | -.02780 | -.00830 | .01080 | -9.94000 | -.02000 |
| .898 | 12.020 | .46670 | .10350 | .43500 | .19840 | .10590 | -.02860 | -.00640 | .01080 | -9.95000 | -.03000 |
| .898 | 13.960 | .55530 | .10470 | .51360 | .23560 | .10160 | -.02870 | -.00590 | .01030 | -9.96000 | -.03000 |
| .898 | 16.000 | .65590 | .10540 | .60140 | .28210 | .09650 | -.03280 | -.00710 | .01140 | -9.93000 | -.01000 |
| .899 | 18.040 | .75090 | .10490 | .68160 | .33220 | .09970 | -.03340 | -.00680 | .01120 | -9.96000 | -.01000 |
| .899 | 19.990 | .83390 | .10470 | .74790 | .38350 | .11080 | -.03770 | -.00620 | .01150 | -9.93000 | .02000 |
| | GRADIENT | .06179 | -.00136 | .05969 | -.00326 | -.00699 | .00031 | -.00004 | -.00029 | -.00322 | -.00010 |

RUN NO. 161/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -2.010 | -.37450 | .14210 | -.36930 | .15520 | .21240 | -.03060 | -.00780 | .01420 | -9.94000 | .02000 |
| .946 | .070 | -.24120 | .13960 | -.24130 | .13930 | .19530 | -.02940 | -.00790 | .01360 | -9.94000 | .01000 |
| .948 | 2.070 | -.10310 | .13770 | -.10800 | .13390 | .17240 | -.02820 | -.00790 | .01290 | -9.95000 | .01000 |
| .947 | 3.050 | -.03680 | .13430 | -.04390 | .13210 | .15980 | -.02830 | -.00820 | .01270 | -9.99000 | .03000 |
| .948 | 3.970 | .03220 | .13430 | .02280 | .13620 | .14660 | -.02810 | -.00810 | .01280 | -9.93000 | -.03000 |
| .948 | 4.980 | .10520 | .13180 | .09330 | .14040 | .13160 | -.02730 | -.00830 | .01250 | -9.94000 | -.03000 |
| .949 | 6.050 | .17430 | .12940 | .15970 | .14700 | .12070 | -.02740 | -.00810 | .01230 | -9.93000 | -.03000 |
| .947 | 7.010 | .23570 | .12760 | .21840 | .15540 | .11210 | -.02770 | -.00780 | .01180 | -9.95000 | -.01000 |
| .948 | 7.980 | .29400 | .12590 | .27370 | .16550 | .10460 | -.02720 | -.00800 | .01100 | -9.97000 | .01000 |
| .946 | 8.970 | .35760 | .12530 | .33370 | .17950 | .09620 | -.02830 | -.00750 | .01020 | -9.98000 | .01000 |
| .949 | 10.030 | .42520 | .12300 | .39730 | .19520 | .08660 | -.02730 | -.00720 | .00910 | -9.96000 | -.01000 |
| .945 | 12.010 | .53470 | .11910 | .49820 | .22780 | .07500 | -.02990 | -.00730 | .00930 | -9.96000 | .02000 |
| .948 | 13.940 | .63720 | .11790 | .59000 | .26790 | .06450 | -.02760 | -.00570 | .00670 | -9.95000 | -.05000 |
| .947 | 16.020 | .75200 | .11680 | .69060 | .31990 | .05710 | -.02860 | -.00640 | .00530 | -9.90000 | .00000 |
| .947 | 18.100 | .85580 | .11380 | .77810 | .37410 | .05770 | -.03460 | -.00500 | .00580 | -9.97000 | -.06000 |
| .945 | 20.040 | .93940 | .11370 | .84360 | .42870 | .06860 | -.03790 | -.00360 | .01380 | -9.93000 | .05000 |
| | GRADIENT | .06866 | -.00146 | .06623 | -.00221 | -.01158 | .00044 | -.00007 | -.00024 | -.00096 | -.00642 |

ARC 200-1 11(LA77) OV101 (R2B098) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 156/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.950 | -.33380 | .18340 | -.32740 | .19460 | .20710 | -.02580 | -.00690 | .01290 | -9.93000 | .01000 |
| 1.048 | .000 | -.19620 | .18140 | -.19620 | .18150 | .18060 | -.02470 | -.00700 | .01220 | -9.94000 | .00000 |
| 1.045 | 2.010 | -.05770 | .18060 | -.06400 | .17850 | .15320 | -.02310 | -.00730 | .01140 | -9.96000 | .00000 |
| 1.045 | 3.030 | .01530 | .18030 | .00580 | .18080 | .13690 | -.02210 | -.00740 | .01090 | -9.97000 | -.01000 |
| 1.047 | 4.000 | .08110 | .17970 | .06830 | .18490 | .12280 | -.02200 | -.00730 | .01070 | -9.97000 | -.02000 |
| 1.047 | 5.030 | .14850 | .17870 | .13220 | .19110 | .11070 | -.02140 | -.00770 | .01050 | -10.00000 | -.01000 |
| 1.046 | 5.970 | .20670 | .17790 | .18700 | .19840 | .10[illegible] | -.02150 | -.00760 | .01030 | -10.02000 | -.01000 |
| 1.047 | 7.020 | .27110 | .17700 | .24740 | .20880 | .09[illegible] | -.02240 | -.00690 | .01060 | -10.00000 | -.03000 |
| 1.047 | 7.950 | .32640 | .17610 | .29890 | .21960 | .08[illegible] | -.02210 | -.00720 | .01030 | -9.99000 | -.03000 |
| 1.044 | 8.950 | .38790 | .17470 | .35610 | .23290 | .07550 | -.02340 | -.00710 | .01050 | -9.96000 | .03000 |
| 1.045 | 10.000 | .45330 | .17150 | .41660 | .24760 | .06590 | -.02260 | -.00760 | .01010 | -9.91000 | .05000 |
| 1.046 | 12.050 | .57360 | .16660 | .52610 | .28270 | .[illegible]70 | -.02510 | -.00840 | .01100 | -9.92000 | .01000 |
| 1.047 | 14.050 | .68110 | .16320 | .62110 | .32370 | .0[illegible]10 | -.02720 | -.00840 | .01190 | -9.95000 | -.02000 |
| 1.046 | 16.050 | .79480 | .15950 | .71970 | .37310 | .03470 | -.02690 | -.00980 | .01180 | -9.92000 | .00000 |
| 1.045 | 18.010 | .91060 | .15530 | .81800 | .42930 | .02500 | -.02980 | -.01000 | .01300 | -9.94000 | .00000 |
| 1.046 | 19.970 | 1.03600 | .14700 | .92350 | .49200 | .00670 | -.03370 | -.00940 | .01470 | -9.92000 | -.01000 |
| | GRADIENT | .06976 | -.00058 | .06655 | -.00167 | -.01416 | .00069 | -.00008 | -.00038 | -.00746 | -.00442 |

ARC 200-1 11(LA77) OV101 (R2B099) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 162/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.940 | -.37020 | .14290 | -.35520 | .15540 | .20430 | -.11880 | -.01180 | .02490 | -9.91000 | .02000 |
| .947 | .080 | -.23920 | .14160 | -.23350 | .14120 | .18740 | -.11790 | -.01470 | .02460 | -9.90000 | .00000 |
| .946 | 2.080 | -.10530 | .13880 | -.11030 | .13490 | .16520 | -.11890 | -.01750 | .02490 | -9.92000 | .01000 |
| .949 | 3.090 | -.03240 | .13690 | -.03970 | .13500 | .15100 | -.11800 | -.01850 | .02490 | -9.92000 | .02000 |
| .948 | 4.050 | .03700 | .13450 | .02740 | .13670 | .13770 | -.11780 | -.01900 | .02490 | -9.94000 | .02000 |
| .946 | 5.100 | .10810 | .13250 | .09590 | .14160 | .12580 | -.11840 | -.01910 | .02520 | -9.96000 | .02000 |
| .949 | 6.020 | .17330 | .13150 | .15850 | .14890 | .11430 | -.11730 | -.01960 | .02510 | -9.95000 | .01000 |
| .949 | 7.010 | .23600 | .12960 | .21840 | .15750 | .10630 | -.11660 | -.01960 | .02540 | -9.91000 | .04000 |
| .947 | 7.970 | .29300 | .12510 | .27280 | .16450 | .09950 | -.11530 | -.01960 | .02450 | -9.92000 | .04000 |
| .946 | 9.010 | .35420 | .12310 | .33050 | .17710 | .09410 | -.11340 | -.01940 | .02270 | -9.93000 | .02000 |
| .948 | 10.060 | .42670 | .12180 | .39890 | .19440 | .08160 | -.11290 | -.02050 | .02420 | -9.94000 | .01000 |
| .946 | 12.100 | .54740 | .11760 | .51060 | .22970 | .06690 | -.11220 | -.02170 | .02440 | -10.01000 | -.04000 |
| .946 | 14.070 | .64310 | .11470 | .59500 | .26760 | .06220 | -.10980 | -.01990 | .02270 | -9.97000 | .05000 |
| .947 | 16.120 | .75370 | .11310 | .69260 | .31790 | .05250 | -.09810 | -.02110 | .01680 | -9.99000 | .01000 |
| .947 | 18.080 | .85640 | .11260 | .77920 | .37280 | .05350 | -.09110 | -.02200 | .01390 | -9.95000 | .08000 |
| .948 | 19.980 | .93350 | .11340 | .83960 | .42550 | .06770 | -.08960 | -.02110 | .00460 | -9.91000 | -.02000 |
| | GRADIENT | .06785 | -.00138 | .06543 | -.00318 | -.01112 | .00011 | -.00125 | .00002 | -.00489 | .00094 |

RUN NO. 157/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.900 | -.33490 | .18650 | -.32860 | .19740 | .20160 | -.11600 | -.01240 | .02480 | -9.93000 | .02000 |
| 1.047 | .060 | -.19930 | .18500 | -.19950 | .18480 | .17620 | -.11480 | -.01690 | .02460 | -9.91000 | -.01000 |
| 1.045 | 2.080 | -.05570 | .18460 | -.06230 | .18240 | .14770 | -.11360 | -.02020 | .02450 | -9.91000 | -.01000 |
| 1.048 | 3.060 | .01410 | .18310 | .00430 | .18360 | .13230 | -.11180 | -.02090 | .02410 | -9.93000 | .00000 |
| 1.044 | 3.990 | .07530 | .18310 | .06230 | .18790 | .12150 | -.11290 | -.02060 | .02470 | -9.95000 | .01000 |
| 1.046 | 5.030 | .14570 | .18190 | .12920 | .19400 | .10670 | -.11100 | -.02030 | .02420 | -9.95000 | .00000 |
| 1.047 | 5.980 | .20740 | .18100 | .18740 | .20160 | .09670 | -.11060 | -.02050 | .02400 | -9.95000 | -.01000 |
| 1.045 | 7.020 | .26850 | .18030 | .24450 | .21180 | .08980 | -.11130 | -.02050 | .02440 | -9.95000 | -.01000 |
| 1.045 | 7.970 | .32700 | .17970 | .29890 | .22330 | .08320 | -.11340 | -.01960 | .02510 | -9.94000 | -.01000 |
| 1.046 | 8.990 | .38920 | .17770 | .35660 | .23630 | .07440 | -.11230 | -.02070 | .02470 | -9.94000 | .01000 |
| 1.046 | 10.020 | .45670 | .17440 | .41930 | .25120 | .06340 | -.10950 | -.02150 | .02370 | -9.94000 | .00000 |
| 1.044 | 12.090 | .57360 | .17010 | .52530 | .28640 | .05330 | -.10770 | -.02150 | .02230 | -9.95000 | .00000 |
| 1.045 | 14.090 | .68340 | .16540 | .62260 | .32670 | .04480 | -.10680 | -.02110 | .02060 | -9.95000 | .00000 |
| 1.047 | 16.130 | .79540 | .15760 | .72030 | .37240 | .03790 | -.10850 | -.02090 | .01910 | -9.94000 | .02000 |
| 1.048 | 18.090 | .90900 | .15010 | .81740 | .42500 | .02420 | -.10870 | -.01670 | .01650 | -9.95000 | .01000 |
| 1.046 | 19.960 | 1.00250 | .14590 | .89250 | .47950 | .02190 | -.10270 | -.01680 | .01120 | -9.95000 | .01000 |
| | GRADIENT | .07001 | -.00058 | .06675 | -.00168 | -.01380 | .00064 | -.00146 | -.00006 | -.00293 | -.00151 |

ARC 200-1 11(LA77) OV101 (R2B100) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 168/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.910 | -.17310 | .10380 | -.16960 | .10950 | .06720 | -.12740 | -.00940 | .02840 | -.01000 | -.01000 |
| .899 | .130 | -.05660 | .10540 | -.05680 | .10530 | .05960 | -.12600 | -.01160 | .02820 | -.04000 | -.05000 |
| .900 | 2.060 | .05540 | .10390 | .05170 | .10580 | .05200 | -.12630 | -.01370 | .02800 | -.03000 | -.04000 |
| .898 | 3.040 | .11030 | .10240 | .10470 | .10810 | .04900 | -.12570 | -.01380 | .02750 | -.03000 | -.04000 |
| .899 | 3.990 | .16120 | .10030 | .15380 | .11130 | .04670 | -.12440 | -.01410 | .02690 | -.04000 | -.05000 |
| .899 | 5.010 | .21820 | .09980 | .20870 | .11850 | .04340 | -.12450 | -.01480 | .02640 | -.04000 | -.05000 |
| .897 | 5.990 | .26580 | .09670 | .25430 | .12390 | .04290 | -.12250 | -.01570 | .02480 | -.05000 | -.04000 |
| .899 | 7.030 | .32250 | .09730 | .30810 | .13600 | .04050 | -.12110 | -.01720 | .02420 | -.07000 | -.01000 |
| .899 | 8.020 | .37720 | .09670 | .36000 | .14840 | .03800 | -.12190 | -.01740 | .02370 | -.05000 | -.05000 |
| .899 | 9.010 | .42080 | .09370 | .40090 | .15850 | .03830 | -.11960 | -.01920 | .02270 | -.06000 | -.05000 |
| .897 | 10.020 | .46780 | .09240 | .44460 | .17240 | .03780 | -.12000 | -.01850 | .02290 | -.04000 | -.02000 |
| .898 | 12.030 | .56700 | .09160 | .53550 | .20780 | .03150 | -.12130 | -.01870 | .02180 | -.06000 | -.03000 |
| .897 | 14.060 | .67080 | .09390 | .62790 | .25400 | .02220 | -.11920 | -.01760 | .01820 | -.04000 | -.04000 |
| .898 | 16.100 | .77060 | .09350 | .71450 | .30350 | .01650 | -.11540 | -.01600 | .01210 | -.06000 | -.02000 |
| .897 | 18.080 | .87730 | .09120 | .80570 | .35890 | .01500 | -.11570 | -.01490 | .00770 | -.01000 | -.05000 |
| .898 | 19.990 | .95970 | .09150 | .87060 | .41410 | .02680 | -.10450 | -.01430 | -.00030 | -.03000 | -.02000 |
| | GRADIENT | .05691 | -.00059 | .05506 | .00026 | -.00355 | .00040 | -.00082 | -.00023 | -.00355 | -.00505 |

RUN NO. 163/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.950 | -.18790 | .12670 | -.18350 | .13300 | .08110 | -.12160 | -.01560 | .02770 | -.02000 | -.06000 |
| .947 | .070 | -.06130 | .12740 | -.06140 | .12740 | .06740 | -.12220 | -.01840 | .02820 | -.02000 | -.06000 |
| .950 | 2.020 | .06020 | .12580 | .05580 | .12780 | .05210 | -.12220 | -.01970 | .02870 | -.01000 | -.05000 |
| .949 | 3.020 | .12320 | .12450 | .11650 | .13080 | .04430 | -.12250 | -.01930 | .02890 | -.02000 | -.05000 |
| .946 | 3.970 | .18150 | .12260 | .17260 | .13490 | .03750 | -.12460 | -.01820 | .02960 | -.02000 | -.05000 |
| .948 | 5.010 | .24740 | .12230 | .23580 | .14350 | .02880 | -.12340 | -.01820 | .02940 | -.02000 | -.06000 |
| .948 | 6.000 | .30660 | .11880 | .29240 | .15020 | .02210 | -.12390 | -.01810 | .02950 | -.02000 | -.05000 |
| .950 | 7.050 | .37390 | .11920 | .35650 | .16420 | .01410 | -.12040 | -.01900 | .02860 | -.03000 | -.05000 |
| .947 | 7.990 | .42370 | .11490 | .40360 | .17270 | .01120 | -.12160 | -.01840 | .02880 | -.02000 | -.05000 |
| .949 | 9.010 | .48720 | .11470 | .46320 | .18960 | .00290 | -.11590 | -.02010 | .02660 | -.06000 | -.09000 |
| .948 | 10.000 | .53130 | .11090 | .50400 | .20150 | .00290 | -.11110 | -.02010 | .01960 | .01000 | -.01000 |
| .948 | 12.050 | .64700 | .10990 | .60980 | .24250 | -.00770 | -.10530 | -.02150 | .02240 | -.02000 | -.04000 |
| .948 | 14.030 | .74210 | .10870 | .69360 | .28540 | -.01080 | -.10350 | -.02080 | .02050 | -.06000 | -.03000 |
| .947 | 16.080 | .85550 | .10920 | .79170 | .34190 | -.01840 | -.10150 | -.02290 | .01890 | .00000 | .00000 |
| .948 | 18.060 | .95340 | .11010 | .87230 | .40020 | -.01760 | -.09280 | -.02270 | .01450 | -.03000 | .01000 |
| .950 | 20.050 | 1.06070 | .11110 | .95830 | .46810 | -.01470 | -.08130 | -.02220 | .00170 | -.04000 | -.09000 |
| | GRADIENT | .06244 | -.00068 | .06020 | .00026 | -.00744 | -.00038 | -.00049 | .00029 | .00026 | .00209 |

ARC 200-1 11(LA77) OV101 (R2B100) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 158/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.950 | -.18960 | .17250 | -.18360 | .17880 | .10030 | -.10300 | -.01480 | .02090 | -.02000 | -.02000 |
| 1.048 | .070 | -.05340 | .17070 | -.05360 | .17070 | .07630 | -.10030 | -.01810 | .02020 | -.04000 | -.03000 |
| 1.046 | 2.050 | .07710 | .17030 | .07100 | .17290 | .05450 | -.09920 | -.01940 | .01980 | -.05000 | -.03000 |
| 1.047 | 3.060 | .14420 | .16990 | .13490 | .17730 | .04250 | -.09860 | -.01960 | .01960 | -.07000 | -.02000 |
| 1.047 | 4.020 | .20630 | .16950 | .19390 | .18360 | .03110 | -.09790 | -.01980 | .01960 | -.08000 | -.04000 |
| 1.045 | 5.010 | .26950 | .16920 | .25370 | .19210 | .02030 | -.09910 | -.01980 | .02000 | -.02000 | -.03000 |
| 1.046 | 6.010 | .33180 | .16790 | .31230 | .20170 | .01130 | -.09970 | -.01970 | .01990 | -.04000 | -.07000 |
| 1.047 | 7.020 | .38750 | .16660 | .36420 | .21270 | .00680 | -.10150 | -.01910 | .02090 | -.05000 | -.06000 |
| 1.046 | 7.990 | .44440 | .16560 | .41700 | .22580 | .00150 | -.10300 | -.01910 | .02150 | -.04000 | -.08000 |
| 1.047 | 9.000 | .49910 | .16400 | .46730 | .24010 | -.00280 | -.10390 | -.01960 | .02180 | -.03000 | -.08000 |
| 1.048 | 10.040 | .55760 | .16180 | .52080 | .25650 | -.00830 | -.10210 | -.02060 | .02090 | -.03000 | -.07000 |
| 1.047 | 12.090 | .67080 | .15860 | .62270 | .29550 | -.01620 | -.09980 | -.02110 | .01910 | -.04000 | -.02000 |
| 1.046 | 14.080 | .78240 | .15520 | .72120 | .34090 | -.02410 | -.10410 | -.02040 | .01930 | .01000 | -.04000 |
| 1.045 | 16.110 | .89300 | .15180 | .81580 | .39370 | -.03200 | -.10640 | -.01960 | .01860 | -.04000 | -.05000 |
| 1.047 | 18.060 | .99830 | .14910 | .90290 | .45110 | -.04220 | -.10600 | -.01710 | .01530 | -.02000 | -.02000 |
| 1.045 | 20.020 | 1.09530 | .14660 | .97890 | .51290 | -.04360 | -.10040 | -.01790 | .01040 | -.03000 | -.03000 |
| | GRADIENT | .06633 | -.00047 | .06326 | .00076 | -.01152 | .00081 | -.00082 | -.00022 | -.00978 | -.00189 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B101) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 169/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -6.320 | .23220 | .09730 | .22260 | .11750 | .03910 | .11120 | .00020 | -.00720 | .01000 | -.02000 |
| .898 | -4.250 | .22810 | .09760 | .21870 | .11730 | .04390 | .06350 | -.00390 | .00020 | -.01000 | -.06000 |
| .899 | -3.200 | .22560 | .09750 | .21610 | .11690 | .04620 | .03840 | -.00520 | .00410 | -.01000 | -.06000 |
| .899 | -2.140 | .22330 | .09840 | .21380 | .11760 | .04900 | .01520 | -.00650 | .00760 | .00000 | -.07000 |
| .897 | -1.090 | .21640 | .09830 | .20700 | .11690 | .05140 | -.00810 | -.00740 | .01050 | .00000 | -.07000 |
| .899 | .000 | .21900 | .10000 | .20940 | .11880 | .05060 | -.03120 | -.00860 | .01310 | .01000 | -.07000 |
| .897 | 1.010 | .22170 | .10020 | .21200 | .11940 | .04990 | -.05290 | -.00970 | .01580 | .02000 | -.08000 |
| .899 | 2.080 | .21990 | .09890 | .21040 | .11780 | .04820 | -.07730 | -.01150 | .01920 | -.03000 | -.03000 |
| .898 | 3.120 | .22070 | .09920 | .21110 | .11820 | .04620 | -.10080 | -.01330 | .02300 | -.04000 | -.04000 |
| .898 | 4.170 | .21750 | .09940 | .20790 | .11810 | .04440 | -.12340 | -.01480 | .02620 | -.05000 | -.06000 |
| .897 | 6.270 | .21620 | .09990 | .20670 | .11840 | .03810 | -.17220 | -.01690 | .03360 | -.11000 | -.12000 |
| .897 | 8.350 | .21780 | .10020 | .20820 | .11880 | .03950 | -.21300 | -.01950 | .03950 | .00000 | -.02000 |
| | GRADIENT | -.00093 | .00024 | -.00095 | .00016 | -.00002 | -.02208 | -.00127 | .00299 | -.00458 | .00206 |

RUN NO. 164/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.310 | .25960 | .11850 | .24810 | .14100 | .02730 | .10710 | .00250 | -.00900 | -.03000 | -.07000 |
| .950 | -4.240 | .26460 | .11880 | .25310 | .14160 | .02320 | .05760 | -.00180 | .00020 | -.02000 | -.05000 |
| .947 | -3.190 | .26180 | .11510 | .25070 | .13760 | .02360 | .03650 | -.00420 | .00350 | -.01000 | -.06000 |
| .948 | -2.140 | .26340 | .11750 | .25200 | .14020 | .02360 | .01450 | -.00550 | .00700 | -.02000 | -.05000 |
| .948 | -1.090 | .26300 | .11880 | .25160 | .14130 | .02380 | -.00530 | -.00720 | .00960 | -.04000 | -.04000 |
| .948 | -.010 | .26200 | .11990 | .25050 | .14240 | .02390 | -.02570 | -.00910 | .01170 | -.05000 | -.04000 |
| .948 | 1.010 | .26360 | .11960 | .25200 | .14240 | .02340 | -.04550 | -.01060 | .01420 | -.03000 | -.05000 |
| .948 | 2.080 | .26050 | .12010 | .24890 | .14250 | .02420 | -.07000 | -.01250 | .01850 | .00000 | -.08000 |
| .947 | 3.100 | .25470 | .11970 | .24320 | .14160 | .02700 | -.09710 | -.01500 | .02410 | .00000 | -.08000 |
| .949 | 4.160 | .24820 | .12250 | .23650 | .14300 | .02890 | -.12170 | -.01830 | .02890 | -.01000 | -.06000 |
| .948 | 6.260 | .23690 | .12390 | .22520 | .14410 | .03360 | -.16780 | -.02030 | .03520 | .00000 | -.07000 |
| .948 | 8.350 | .23120 | .12350 | .21950 | .14330 | .04000 | -.20520 | -.02290 | .03910 | -.01000 | -.08000 |
| | GRADIENT | -.00146 | .00055 | -.00150 | .00042 | .00054 | -.02106 | -.00184 | .00324 | .00189 | -.00269 |

DATE 05 DEC 79

LA77 TABULATED SOURCE DATA

ARC 200-1 11(LA77) OV101 - TO + BETA (R28101) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8000 IN.
BREF = 936.7000 IN.
SCALE = .0150

XMRP = 1076.7000 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000
AILRON = .000
RUDDER = -10.000
RN/L = 8.000

ELEVON = .000
SPDBRK = 55.000
BDFLAP = .000

RUN NO. 159/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -6.340 | .28360 | .16660 | .26760 | .19110 | .01940 | .08870 | .00590 | -.00100 | -.01000 | -.04000 |
| 1.045 | -4.260 | .27760 | .16360 | .26220 | .18740 | .01830 | .04600 | .00000 | .00590 | -.01000 | -.04000 |
| 1.047 | -3.210 | .27640 | .16240 | .26120 | .18600 | .01780 | .02630 | -.00250 | .00830 | -.02000 | -.03000 |
| 1.047 | -2.150 | .27670 | .16240 | .26150 | .18600 | .01770 | .00850 | -.00470 | .01010 | -.02000 | -.03000 |
| 1.045 | -1.090 | .27320 | .16280 | .25800 | .18600 | .01990 | -.00860 | -.00700 | .01100 | -.01000 | -.05000 |
| 1.047 | -.010 | .27340 | .16400 | .25800 | .18720 | .01950 | -.02610 | -.00940 | .01210 | -.02000 | -.05000 |
| 1.045 | 1.010 | .27420 | .16540 | .25870 | .18880 | .01990 | -.04270 | -.01150 | .01350 | -.01000 | -.05000 |
| 1.046 | 2.090 | .27360 | .16650 | .25800 | .18980 | .01960 | -.06130 | -.01410 | .01510 | .00000 | -.06000 |
| 1.047 | 3.100 | .27370 | .16740 | .25810 | .19070 | .01970 | -.07920 | -.01700 | .01700 | .01000 | -.07000 |
| 1.046 | 4.160 | .27520 | .16900 | .25440 | .19200 | .02040 | -.09880 | -.01980 | .01970 | .00000 | -.06000 |
| 1.046 | 6.260 | .26880 | .17080 | .25290 | .19360 | .02040 | -.14230 | -.02420 | .02600 | -.01000 | -.07000 |
| 1.045 | 8.360 | .26770 | .17060 | .25170 | .19350 | .02850 | -.18870 | -.02910 | .03360 | -.02000 | -.06000 |
| | GRADIENT | -.00068 | .00075 | -.00074 | .00068 | .00028 | -.01692 | -.00231 | .00148 | .00268 | -.00412 |

ARC 200-1 11(LA77) OV101 (R2B102) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPOBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 165/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.910 | -.35430 | .14660 | -.34920 | .15830 | .20130 | -.05920 | .00940 | .02710 | -10.06000 | 4.99000 |
| .950 | .070 | -.23020 | .14530 | -.23040 | .14500 | .18640 | -.05900 | .01020 | .02650 | -10.06000 | 4.99000 |
| .948 | 2.000 | -.10160 | .14050 | -.10660 | .13690 | .16580 | -.05850 | .00960 | .02560 | -10.07000 | 4.99000 |
| .948 | 3.020 | -.03220 | .13880 | -.03940 | .13700 | .15370 | -.05820 | .00880 | .02510 | -10.08000 | 5.00000 |
| .949 | 4.060 | .04070 | .13890 | .03070 | .14150 | .14120 | -.05780 | .00800 | .02490 | -10.09000 | 5.01000 |
| .948 | 5.100 | .11240 | .13480 | .10000 | .14430 | .12710 | -.05660 | .00640 | .02430 | -10.12000 | 5.03000 |
| .948 | 5.980 | .17460 | .13250 | .15990 | .15000 | .11620 | -.05520 | .00450 | .02350 | -10.05000 | 4.97000 |
| .948 | 7.040 | .24390 | .13070 | .22600 | .15960 | .10520 | -.05390 | .00340 | .02250 | -9.95000 | 5.03000 |
| .950 | 7.990 | .30090 | .12860 | .28010 | .16920 | .09810 | -.05230 | .00280 | .02130 | -10.10000 | 5.08000 |
| .947 | 8.980 | .35890 | .12630 | .33480 | .18070 | .09320 | -.05370 | .00300 | .02100 | -10.12000 | 5.00000 |
| .948 | 10.030 | .42170 | .12500 | .39350 | .19650 | .08600 | -.05300 | .00340 | .02000 | -10.12000 | 5.02000 |
| .949 | 12.020 | .53560 | .12300 | .49830 | .23190 | .07430 | -.04850 | .00030 | .01840 | -10.03000 | 5.14000 |
| .947 | 14.040 | .64160 | .12040 | .59320 | .27240 | .06600 | -.04350 | .00100 | .01610 | -10.08000 | 5.07000 |
| .948 | 16.060 | .75630 | .12060 | .69340 | .32520 | .05570 | -.03660 | .00240 | .01100 | -10.16000 | 4.95000 |
| .951 | 18.090 | .86190 | .11890 | .78230 | .38070 | .05510 | -.04110 | .00470 | .01070 | -10.15000 | 5.00000 |
| .948 | 20.050 | .95210 | .11840 | .85380 | .43770 | .06220 | -.04120 | .00460 | .01760 | -10.15000 | 4.99000 |
| | GRADIENT | .06615 | -.00149 | .06365 | -.00311 | -.01014 | .00023 | -.00025 | -.00039 | -.00506 | .00298 |

ARC 200-1 11(LA77) OV101 (R2B103) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 199/ 0 RN/L = 6.92 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.890 | -.11790 | .05430 | -.11600 | .05810 | .02240 | .00410 | -.00010 | -.00140 | -.03000 | -.04000 |
| .596 | .020 | -.02910 | .05500 | -.02920 | .05500 | .02170 | .00380 | -.00020 | -.00140 | -.03000 | -.04000 |
| .597 | 2.040 | .06330 | .05180 | .06140 | .05400 | .02230 | .00390 | -.00060 | -.00140 | -.03000 | -.03000 |
| .597 | 4.100 | .16180 | .04550 | .15820 | .05700 | .02050 | .00320 | -.00100 | -.00140 | -.01000 | -.04000 |
| .597 | 6.080 | .26000 | .03640 | .25470 | .06370 | .01820 | .00340 | -.00110 | -.00160 | -.02000 | -.05000 |
| .597 | 8.160 | .36830 | .02310 | .36120 | .07520 | .01510 | .00310 | -.00120 | -.00150 | -.04000 | -.06000 |
| .597 | 10.000 | .46270 | .01060 | .45380 | .09080 | .01420 | .00270 | -.00150 | -.00140 | -.06000 | -.04000 |
| .597 | 10.980 | .51460 | .00380 | .50450 | .10170 | .01520 | .00210 | -.00140 | -.00160 | -.03000 | -.05000 |
| .597 | 12.200 | .58030 | -.00410 | .56800 | .11860 | .01600 | .00120 | -.00130 | -.00150 | -.05000 | .00000 |
| .597 | 13.150 | .63590 | -.00540 | .62050 | .13940 | .01330 | -.00150 | -.00090 | .00030 | -.04000 | -.03000 |
| .597 | 14.040 | .67990 | -.00520 | .66090 | .15990 | .01330 | -.00330 | .00090 | .00100 | -.03000 | -.05000 |
| .596 | 15.140 | .74290 | -.00190 | .71760 | .19220 | .00950 | -.00090 | .00150 | -.00060 | -.03000 | -.05000 |
| .597 | 18.120 | .91490 | .00550 | .86780 | .28980 | -.00140 | -.00040 | .00100 | -.00150 | .00000 | -.07000 |
| .595 | 20.060 | 1.04750 | .00820 | .98110 | .36700 | -.01480 | -.00030 | -.00140 | -.00120 | -.01000 | -.07000 |
| | GRADIENT | .04660 | -.00149 | .04569 | -.00020 | -.00026 | -.00013 | -.00016 | -.00000 | .00303 | .00049 |

RUN NO. 174/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.810 | -.11920 | .14730 | -.11450 | .15100 | .05060 | .00430 | .00020 | -.00140 | -.04000 | -.05000 |
| 1.198 | .070 | -.00070 | .14770 | -.00090 | .14770 | .02360 | .00450 | .00040 | -.00140 | -.06000 | -.04000 |
| 1.198 | 2.190 | .12810 | .14620 | .12250 | .15100 | -.00270 | .00340 | .00020 | -.00130 | -.13000 | -.09000 |
| 1.198 | 4.090 | .23830 | .14410 | .22740 | .16080 | -.02210 | .00330 | .00000 | -.00120 | -.07000 | -.08000 |
| 1.197 | 6.180 | .35890 | .14100 | .34160 | .17890 | -.04120 | .00280 | -.00030 | -.00100 | -.01000 | -.03000 |
| 1.197 | 8.120 | .46440 | .13730 | .44040 | .20150 | -.05220 | .00200 | -.00050 | -.00090 | -.02000 | -.03000 |
| 1.197 | 10.220 | .57400 | .13150 | .54160 | .23130 | -.05770 | .00230 | -.00100 | -.00140 | -.02000 | -.03000 |
| 1.197 | 11.150 | .62620 | .13050 | .58920 | .24920 | -.06200 | .00190 | -.00010 | -.00140 | -.04000 | -.02000 |
| 1.197 | 12.220 | .68570 | .13000 | .64260 | .27230 | -.06580 | .00260 | -.00060 | -.00170 | -.03000 | -.01000 |
| 1.198 | 13.200 | .74230 | .13080 | .69280 | .29690 | -.07040 | .00220 | -.00070 | -.00160 | -.01000 | -.06000 |
| 1.196 | 14.150 | .79590 | .13190 | .73950 | .32240 | -.07540 | .00150 | -.00060 | -.00140 | -.03000 | -.03000 |
| 1.196 | 15.180 | .85190 | .13290 | .78730 | .35140 | -.08030 | .00180 | -.00100 | -.00150 | -.04000 | -.06000 |
| 1.198 | 16.190 | .90660 | .13400 | .83330 | .38150 | -.08540 | .00100 | -.00080 | -.00120 | .00000 | -.02000 |
| 1.195 | 18.140 | 1.00980 | .13400 | .91790 | .44170 | -.09230 | -.00010 | -.00060 | -.00110 | -.01000 | -.03000 |
| 1.196 | 20.090 | 1.09980 | .13330 | .98700 | .50300 | -.09330 | -.00110 | -.00030 | -.00120 | -.03000 | -.06000 |
| | GRADIENT | .06061 | -.00056 | .05798 | .00165 | -.01233 | -.00021 | -.00004 | .00004 | -.00826 | -.00720 |

ARC 200-1 11(LA77) OV101 (R2B104) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 200/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.970 | -.29230 | .06070 | -.29000 | .07070 | .10670 | .00250 | .00170 | -.00120 | -9.92000 | .00000 |
| .596 | .070 | -.19710 | .06220 | -.19720 | .06200 | .10500 | .00290 | .00110 | -.00130 | -9.92000 | -.01000 |
| .597 | 2.140 | -.10800 | .05960 | -.11010 | .05550 | .10850 | .00310 | .00020 | -.00120 | -9.92000 | -.01000 |
| .597 | 4.060 | -.02030 | .05410 | -.02410 | .05250 | .10870 | .00280 | -.00010 | -.00130 | -9.92000 | -.01000 |
| .597 | 6.180 | .08330 | .04440 | .07810 | .05310 | .10650 | .00230 | .00010 | -.00120 | -9.91000 | -.01000 |
| .596 | 8.100 | .17770 | .03320 | .17130 | .05790 | .10580 | .00230 | .00000 | -.00110 | -9.91000 | -.02000 |
| .596 | 9.950 | .27050 | .02110 | .26280 | .06750 | .10640 | .00180 | .00000 | -.00140 | -9.97000 | .02000 |
| .597 | 11.160 | .33060 | .01290 | .32190 | .07670 | .10830 | .00140 | -.00040 | -.00140 | -9.98000 | .02000 |
| .597 | 12.180 | .38400 | .00640 | .37400 | .08730 | .10870 | .00110 | -.00050 | -.00140 | -9.99000 | .03000 |
| .596 | 13.170 | .44040 | .00010 | .42880 | .10040 | .10860 | .00160 | -.00140 | -.00140 | -9.93000 | .02000 |
| .596 | 14.120 | .49700 | .00040 | .48190 | .12170 | .10450 | -.00110 | -.00070 | .00030 | -9.93000 | .01000 |
| .597 | 15.120 | .55410 | .00180 | .53440 | .14620 | .10090 | -.00060 | .00030 | -.00030 | -9.83000 | .00000 |
| .597 | 16.140 | .61420 | .00190 | .58950 | .17260 | .09680 | -.00010 | .00090 | -.00090 | -9.94000 | .01000 |
| .596 | 18.100 | .72830 | .00540 | .69060 | .23140 | .08940 | .00140 | .00040 | -.00210 | -9.93000 | -.01000 |
| .596 | 20.070 | .85980 | .00660 | .80530 | .30120 | .07910 | -.00020 | .00050 | -.00120 | -9.93000 | .00000 |
| | GRADIENT | .04489 | -.00110 | .04389 | -.00304 | .00047 | .00006 | -.00031 | -.00001 | .00000 | -.00150 |

RUN NO. 175/ 0 RN/L = 6.83 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.880 | -.22820 | .16190 | -.22280 | .16930 | .12270 | .00480 | .00120 | -.00120 | -9.93000 | -.01000 |
| 1.197 | .180 | -.09170 | .15860 | -.09220 | .15830 | .08980 | .00460 | .00090 | -.00160 | -9.93000 | -.03000 |
| 1.198 | 2.090 | .02850 | .15600 | .02280 | .15700 | .06370 | .00440 | .00080 | -.00140 | -9.95000 | -.02000 |
| 1.198 | 4.120 | .14890 | .15420 | .13740 | .16450 | .04080 | .00450 | .00030 | -.00150 | -9.93000 | -.02000 |
| 1.198 | 6.180 | .26980 | .15080 | .25200 | .17890 | .02020 | .00380 | .00020 | -.00140 | -9.93000 | -.03000 |
| 1.198 | 8.130 | .37930 | .14660 | .35480 | .19880 | .00710 | .00300 | .00010 | -.00150 | -9.94000 | -.03000 |
| 1.199 | 10.220 | .49610 | .14070 | .46320 | .22650 | -.00330 | .00300 | .00010 | -.00170 | -9.91000 | .01000 |
| 1.198 | 11.160 | .54950 | .13920 | .51220 | .24290 | -.00720 | .00190 | .00040 | -.00140 | -9.91000 | .00000 |
| 1.198 | 12.230 | .60900 | .13660 | .56630 | .26260 | -.01150 | .00210 | -.00010 | -.00160 | -9.92000 | -.01000 |
| 1.198 | 13.250 | .67040 | .13660 | .62120 | .28680 | -.01780 | .00180 | .00000 | -.00110 | -9.91000 | .00000 |
| 1.198 | 14.180 | .72150 | .13590 | .66620 | .30850 | -.02230 | .00300 | -.00060 | -.00190 | -9.88000 | -.04000 |
| 1.198 | 15.220 | .77640 | .13420 | .71390 | .33330 | -.02650 | .00290 | -.00060 | -.00180 | -9.92000 | -.04000 |
| 1.199 | 16.200 | .83290 | .13320 | .76260 | .36030 | -.03190 | .00250 | -.00090 | -.00200 | -9.88000 | -.01000 |
| 1.199 | 18.060 | .93140 | .13130 | .84480 | .41350 | -.03880 | .00050 | -.00050 | -.00140 | -9.88000 | -.01000 |
| 1.197 | 19.990 | 1.02060 | .12860 | .91510 | .46970 | -.03800 | .00020 | -.00030 | -.00170 | -9.93000 | .01000 |
| | GRADIENT | .06286 | -.00129 | .06005 | -.00080 | -.01366 | -.00006 | -.00014 | -.00004 | -.00097 | -.00104 |

ARC 200-1 11(LA77) OV101 (R2B105) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 176/ 0 RN/L = 6.88 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.900 | -.23360 | .16220 | -.22810 | .16980 | .12180 | -.07600 | -.00510 | .00680 | -9.90000 | -.02000 |
| 1.199 | .140 | -.09930 | .16030 | -.09970 | .16010 | .08990 | -.07210 | -.00600 | .00520 | -9.90000 | -.04000 |
| 1.198 | 2.100 | .02300 | .15760 | .01730 | .15830 | .06330 | -.06950 | -.00650 | .00410 | -9.90000 | -.04000 |
| 1.198 | 3.970 | .13360 | .15520 | .12260 | .16410 | .04330 | .06660 | -.00610 | .00340 | -9.90000 | -.06000 |
| 1.199 | 6.130 | .26090 | .15240 | .24310 | .17940 | .02260 | -.06470 | -.00610 | .00240 | -9.95000 | -.03000 |
| 1.198 | 8.130 | .37710 | .14870 | .35230 | .20060 | .00790 | -.06420 | -.00710 | .00190 | -10.00000 | .04000 |
| 1.197 | 10.050 | .48500 | .14520 | .45220 | .22770 | -.00180 | -.06380 | -.00780 | .00120 | -9.98000 | -.01000 |
| 1.197 | 11.080 | .54120 | .14280 | .50370 | .24420 | -.00600 | -.06480 | -.00740 | .00120 | -9.91000 | -.04000 |
| 1.200 | 12.150 | .60020 | .13980 | .55730 | .26300 | -.01200 | -.06480 | -.00770 | .00050 | -9.95000 | -.01000 |
| 1.195 | 13.040 | .64920 | .13800 | .60130 | .28090 | -.01360 | -.06690 | -.00780 | .00060 | -9.98000 | .00000 |
| 1.198 | 14.090 | .71450 | .13530 | .66000 | .30520 | -.02270 | -.06810 | -.00560 | .00000 | -9.91000 | -.01000 |
| 1.198 | 15.040 | .76860 | .13370 | .70760 | .32860 | -.02830 | -.06760 | -.00500 | -.00110 | -9.94000 | -.09000 |
| 1.198 | 16.110 | .82650 | .13250 | .75730 | .35670 | -.03380 | -.06710 | -.00470 | -.00230 | -9.93000 | -.07000 |
| 1.195 | 18.040 | .92390 | .13000 | .83830 | .40960 | -.03700 | -.06450 | -.00580 | -.00570 | -9.94000 | -.06000 |
| 1.197 | 20.060 | 1.01610 | .12560 | .91130 | .46650 | -.03710 | -.06070 | -.00660 | -.01000 | -9.91000 | .01000 |
| | GRADIENT | .06257 | -.00121 | .05977 | -.00100 | -.01341 | .00158 | -.00018 | -.00058 | .00000 | -.00613 |

ARC 200-1 11(LA77) OV101 (R2B106) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 201/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.910 | -.11690 | .05210 | -.11510 | .05600 | .01710 | -.07270 | -.00280 | .00550 | -.01000 | -.04000 |
| .596 | .060 | -.02600 | .05360 | -.02600 | .05360 | .01660 | -.07010 | -.00410 | .00510 | -.01000 | -.04000 |
| .596 | 2.080 | .06810 | .05120 | .06620 | .05360 | .01720 | -.06940 | -.00540 | .00490 | -.01000 | -.04000 |
| .596 | 4.070 | .16180 | .04550 | .15810 | .05680 | .01640 | -.06830 | -.00630 | .00450 | .00000 | -.04000 |
| .597 | 6.010 | .25920 | .03670 | .25400 | .06360 | .01460 | -.06780 | -.00750 | .00440 | -.01000 | -.05000 |
| .596 | 8.070 | .36650 | .02410 | .35950 | .07530 | .01240 | -.06920 | -.00930 | .00480 | -.01000 | -.06000 |
| .596 | 10.070 | .47260 | .01020 | .46360 | .09270 | .01030 | -.06770 | -.01220 | .00460 | -.03000 | -.08000 |
| .597 | 11.060 | .52180 | .00330 | .51140 | .10340 | .00990 | -.06810 | -.01370 | .00450 | .00000 | -.08000 |
| .596 | 12.020 | .57250 | -.00330 | .56060 | .11600 | .01060 | -.06810 | -.01370 | .00460 | -.03000 | -.04000 |
| .596 | 13.100 | .63420 | -.00930 | .61980 | .13460 | .00860 | -.06870 | -.01350 | .00420 | -.05000 | -.04000 |
| .596 | 14.040 | .68760 | -.00450 | .66810 | .16240 | .00390 | -.07120 | -.00910 | .00600 | -.03000 | -.06000 |
| .597 | 15.040 | .74100 | -.00140 | .71590 | .19100 | .00110 | -.07190 | -.00810 | .00570 | -.04000 | -.04000 |
| .596 | 16.050 | .79660 | .00030 | .76540 | .22060 | -.00130 | -.07320 | -.00670 | .00610 | -.04000 | -.04000 |
| .596 | 18.020 | .90050 | -.00070 | .85650 | .27800 | -.00060 | -.07380 | -.00810 | .00650 | -.04000 | -.04000 |
| .596 | 19.960 | 1.01800 | .00440 | .95530 | .35170 | -.01270 | -.07800 | -.00930 | .00730 | -.02000 | -.06000 |
| | GRADIENT | .04660 | -.00111 | .04568 | .00012 | -.00007 | .00070 | -.00059 | -.00016 | .00150 | .00000 |

RUN NO. 184/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -1.970 | -.13970 | .14590 | -.13470 | .15060 | .05430 | -.06940 | -.00530 | .00370 | -.03000 | -.04000 |
| 1.199 | .120 | -.00860 | .14590 | -.00890 | .14590 | .02480 | -.06700 | -.00590 | .00300 | -.05000 | -.05000 |
| 1.198 | 2.030 | .10780 | .14500 | .10260 | .14880 | .00130 | -.06510 | -.00670 | .00240 | -.11000 | -.13000 |
| 1.198 | 4.050 | .22850 | .14370 | .21780 | .15940 | -.02050 | -.06280 | -.00720 | .00110 | -.05000 | -.04000 |
| 1.198 | 6.030 | .34450 | .14200 | .32770 | .17740 | -.03830 | -.05980 | -.00780 | -.00010 | -.01000 | -.01000 |
| 1.198 | 7.980 | .45370 | .13860 | .43000 | .20030 | -.04940 | -.06110 | -.00790 | .00010 | -.12000 | -.07000 |
| 1.198 | 10.030 | .56440 | .13490 | .53230 | .23170 | -.05720 | -.06240 | -.00880 | .00040 | -.07000 | -.08000 |
| 1.198 | 11.080 | .61850 | .13390 | .58130 | .25020 | -.06060 | -.06310 | -.00830 | .00010 | -.03000 | -.05000 |
| 1.199 | 12.070 | .67390 | .13280 | .63120 | .27080 | -.06480 | -.06410 | -.00800 | -.00020 | -.02000 | -.06000 |
| 1.198 | 13.110 | .73350 | .13230 | .68440 | .29520 | -.07050 | -.06450 | -.00760 | -.00060 | -.05000 | -.10000 |
| 1.199 | 14.160 | .79620 | .13260 | .73960 | .32330 | -.07830 | -.06580 | -.00520 | -.00120 | -.03000 | -.05000 |
| 1.199 | 15.060 | .84410 | .13280 | .78060 | .34760 | -.08220 | -.06520 | -.00490 | -.00210 | -.10000 | -.07000 |
| 1.197 | 15.960 | .89370 | .13290 | .82270 | .37350 | -.08520 | -.06350 | -.00550 | -.00360 | -.07000 | -.09000 |
| 1.196 | 17.990 | .99370 | .13080 | .90470 | .43140 | -.08870 | -.06140 | -.00670 | -.00720 | -.11000 | -.11000 |
| 1.197 | 20.100 | 1.09010 | .12840 | .97960 | .49520 | -.09020 | -.05970 | -.00730 | -.01060 | -.09000 | -.08000 |
| | GRADIENT | .06115 | -.00037 | .05854 | .00145 | -.01242 | .00109 | -.00033 | -.00042 | -.00596 | -.00392 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B107) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 202/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -6.210 | .48570 | .00920 | .47660 | .09420 | .00670 | .11000 | .01350 | -.01150 | -.04000 | -.04000 |
| .598 | -4.180 | .47710 | .00940 | .46810 | .09270 | .00950 | .07370 | .00890 | -.00780 | -.02000 | -.06000 |
| .597 | -3.160 | .47300 | .00960 | .46400 | .09220 | .01060 | .05410 | .00650 | -.00600 | -.03000 | -.06000 |
| .597 | -2.120 | .47230 | .00960 | .46330 | .09210 | .01260 | .03750 | .00410 | -.00450 | -.03000 | -.06000 |
| .597 | -1.100 | .47140 | .00950 | .46240 | .09220 | .01390 | .02080 | .00150 | -.00300 | -.03000 | -.06000 |
| .597 | .010 | .47420 | .00930 | .46510 | .09280 | .01450 | .00200 | -.00160 | -.00140 | -.02000 | -.08000 |
| .597 | 1.090 | .47180 | .00990 | .46270 | .09270 | .01420 | -.01620 | -.00390 | .00010 | -.01000 | -.03000 |
| .597 | 2.140 | .47050 | .00960 | .46160 | .09170 | .01340 | -.03490 | -.00640 | .00160 | -.02000 | -.03000 |
| .597 | 3.160 | .47070 | .01020 | .46170 | .09200 | .01290 | -.05280 | -.00900 | .00290 | -.02000 | -.04000 |
| .597 | 4.190 | .46830 | .01040 | .45940 | .09170 | .01130 | -.07080 | -.01220 | .00510 | -.03000 | -.04000 |
| .597 | 6.220 | .46590 | .01090 | .45700 | .09140 | .00740 | -.11170 | -.01570 | .00900 | -.03000 | -.05000 |
| .597 | 8.270 | .47370 | .00980 | .46490 | .09160 | .00790 | -.14870 | -.01980 | .01330 | -.04000 | -.05000 |
| | GRADIENT | -.00071 | .00010 | -.00071 | -.00008 | .00025 | -.01711 | -.00243 | .00148 | .00049 | .00366 |

RUN NO. 177/ 0 RN/L = 6.89 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -6.310 | .57310 | .13610 | .54020 | .23470 | -.05700 | .09850 | .01110 | -.00460 | -.02000 | -.06000 |
| 1.197 | -4.200 | .57350 | .13490 | .54090 | .23350 | -.05900 | .06590 | .00790 | -.00330 | -.01000 | -.06000 |
| 1.198 | -3.220 | .57150 | .13420 | .53910 | .23240 | -.05830 | .04990 | .00540 | -.00270 | -.01000 | -.06000 |
| 1.197 | -2.210 | .57060 | .13280 | .53840 | .23110 | -.05680 | .03470 | .00340 | -.00240 | -.01000 | -.07000 |
| 1.198 | -1.150 | .56950 | .13200 | .53730 | .23050 | -.05690 | .01940 | .00130 | -.00220 | -.01000 | -.07000 |
| 1.199 | .000 | .57090 | .13110 | .53830 | .23100 | -.05700 | .00350 | -.00100 | -.00160 | -.02000 | -.08000 |
| 1.198 | 1.120 | .57010 | .13130 | .53800 | .22970 | -.05710 | -.01220 | -.00280 | -.00120 | -.03000 | -.09000 |
| 1.198 | 2.190 | .57080 | .13230 | .53870 | .23040 | -.05830 | -.02760 | -.00490 | -.00100 | .00000 | -.09000 |
| 1.198 | 3.220 | .56860 | .13350 | .53650 | .23070 | -.05760 | -.04420 | -.00730 | -.00070 | .01000 | -.09000 |
| 1.197 | 4.260 | .56540 | .13500 | .53320 | .23140 | -.05760 | -.06100 | -.00880 | .00020 | -.02000 | -.06000 |
| 1.197 | 6.320 | .56300 | .13730 | .53070 | .23290 | -.05710 | -.09650 | -.01140 | .00170 | -.02000 | -.07000 |
| 1.197 | 8.400 | .56550 | .13730 | .53310 | .23330 | -.05530 | -.13050 | -.01520 | .00270 | -.01000 | -.08000 |
| | GRADIENT | -.00062 | -.00005 | -.00057 | -.00024 | .00007 | -.01472 | -.00195 | .00037 | .00031 | -.00236 |

ARC 200-1 11(LA77) OV101 (R2B108) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 194/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.900 | -.13470 | .07130 | -.13230 | .07580 | .03310 | .00250 | -.00030 | -.00050 | -.01000 | -.05000 |
| .898 | .050 | -.02230 | .07200 | -.02240 | .07200 | .02580 | .00260 | -.00050 | -.00070 | -.01000 | -.04000 |
| .896 | 2.160 | .09520 | .07120 | .09250 | .07480 | .02030 | .00330 | -.00100 | -.00110 | .00000 | -.04000 |
| .898 | 3.120 | .15110 | .07110 | .14700 | .07920 | .01640 | .00280 | -.00090 | -.00110 | .00000 | -.04000 |
| .899 | 4.170 | .20360 | .06970 | .19800 | .08430 | .01530 | .00290 | -.00150 | -.00140 | .01000 | -.04000 |
| .898 | 5.140 | .24990 | .06870 | .24270 | .09080 | .01500 | .00210 | -.00070 | -.00130 | -.02000 | -.05000 |
| .898 | 6.120 | .30110 | .06720 | .29230 | .09890 | .01290 | .00310 | -.00150 | -.00190 | -.03000 | -.05000 |
| .897 | 7.160 | .35180 | .06710 | .34070 | .11040 | .01250 | .00180 | -.00060 | -.00170 | -.04000 | -.06000 |
| .898 | 8.130 | .40420 | .06610 | .39080 | .12250 | .00940 | .00160 | -.00090 | -.00190 | -.04000 | -.04000 |
| .898 | 9.070 | .44880 | .06450 | .43300 | .13440 | .00880 | .00160 | -.00060 | -.00160 | -.06000 | -.05000 |
| .897 | 10.140 | .49670 | .06340 | .47780 | .14980 | .00980 | .00090 | -.00020 | -.00160 | -.09000 | -.08000 |
| .898 | 12.170 | .59270 | .06460 | .56580 | .18820 | .00580 | .00150 | .00070 | -.00260 | -.07000 | -.03000 |
| .899 | 14.150 | .69150 | .06780 | .65400 | .23480 | -.00370 | -.00010 | .00140 | -.00290 | -.03000 | -.02000 |
| .899 | 16.160 | .79500 | .07070 | .74390 | .28910 | -.01200 | -.00140 | .00060 | -.00240 | -.03000 | -.03000 |
| .900 | 18.080 | .89930 | .07260 | .83240 | .34810 | -.01420 | -.00290 | .00000 | -.00290 | -.02000 | -.04000 |
| .900 | 20.080 | .98760 | .07340 | .90240 | .40800 | -.00700 | -.00430 | .00020 | -.00230 | -.03000 | -.04000 |
| | GRADIENT | .05600 | -.00024 | .05470 | .00138 | -.00299 | .00008 | -.00018 | -.00014 | .00316 | .00143 |

RUN NO. 185/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.990 | -.16500 | .09750 | -.16150 | .10320 | .05290 | .00320 | -.00020 | -.00090 | -.04000 | -.01000 |
| .948 | .060 | -.03340 | .09620 | -.03350 | .09610 | .03600 | .00320 | -.00050 | -.00100 | -.06000 | -.02000 |
| .947 | 2.020 | .09050 | .09480 | .08710 | .09800 | .01950 | .00320 | -.00090 | -.00130 | .00000 | -.05000 |
| .948 | 3.090 | .15930 | .09410 | .15390 | .10250 | .01010 | .00340 | -.00090 | -.00140 | .01000 | -.05000 |
| .948 | 4.060 | .21910 | .09330 | .21190 | .10860 | .00300 | .00320 | -.00070 | -.00150 | -.01000 | -.03000 |
| .949 | 5.060 | .27970 | .09270 | .27040 | .11710 | -.00430 | .00310 | -.00080 | -.00140 | -.04000 | -.01000 |
| .949 | 5.990 | .33580 | .09190 | .32440 | .12650 | -.01090 | .00360 | -.00100 | -.00150 | -.01000 | -.06000 |
| .948 | 7.050 | .39550 | .08780 | .38170 | .13570 | -.01650 | .00170 | -.00050 | -.00170 | -.04000 | -.04000 |
| .947 | 8.040 | .44960 | .08600 | .43320 | .14800 | -.02000 | .00090 | -.00010 | -.00210 | -.07000 | -.10000 |
| .951 | 8.980 | .50250 | .08590 | .48290 | .16330 | -.02410 | .00060 | .00000 | -.00280 | -.02000 | -.03000 |
| .948 | 10.080 | .56270 | .08390 | .53930 | .18110 | -.02780 | -.00070 | .00050 | -.00350 | .00000 | -.05000 |
| .947 | 12.050 | .66640 | .08660 | .63370 | .22380 | -.03290 | .00120 | .00020 | -.00490 | .00000 | -.06000 |
| .947 | 14.050 | .75860 | .08800 | .71460 | .26960 | -.03230 | -.00140 | .00030 | -.00540 | -.10000 | -.12000 |
| .949 | 16.070 | .87280 | .09360 | .81280 | .33150 | -.04350 | -.00380 | .00110 | -.00640 | -.03000 | -.04000 |
| .949 | 18.050 | .98450 | .09490 | .90660 | .39540 | -.04820 | -.00990 | .00190 | -.00570 | .03000 | .02000 |
| .947 | 20.010 | 1.06590 | .09290 | .96980 | .45190 | -.03590 | -.00620 | .00140 | .00020 | -.04000 | -.05000 |
| | GRADIENT | .06355 | -.00069 | .06179 | .00084 | -.00832 | .00001 | -.00010 | -.00011 | .00895 | -.00538 |

ARC 200-1 11(LA77) OV101 (R2B108) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 178/ 0 RN/L = 7.86 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.041 | -1.900 | -.15850 | .13660 | -.15390 | .14180 | .06320 | .00520 | .00030 | -.00190 | -.01000 | -.07000 |
| 1.046 | -.590 | -.07270 | .13470 | -.07140 | .13540 | .05130 | .00460 | .00030 | -.00160 | -.05000 | -.03000 |
| 1.041 | .150 | -.02210 | .13550 | -.02250 | .13550 | .04180 | .00550 | .00010 | -.00180 | -.06000 | -.01000 |
| 1.042 | 2.120 | .10650 | .13640 | .10140 | .14020 | .02110 | .00430 | -.00010 | -.00160 | -.01000 | -.07000 |
| 1.047 | 3.090 | .17120 | .13610 | .16360 | .14520 | .00920 | .00340 | .00000 | -.00150 | -.09000 | -.08000 |
| 1.047 | 4.140 | .23660 | .13620 | .22620 | .15290 | -.00200 | .00350 | -.00020 | -.00160 | -.08000 | .00000 |
| 1.047 | 5.180 | .30260 | .13510 | .28910 | .16190 | -.01280 | .00340 | -.00060 | -.00160 | -.01000 | -.08000 |
| 1.046 | 6.130 | .35910 | .13400 | .34270 | .17160 | -.02120 | .00390 | -.00110 | -.00170 | -.03000 | -.07000 |
| 1.047 | 7.160 | .41810 | .13230 | .39830 | .18330 | -.02780 | .00310 | -.00060 | -.00160 | -.01000 | -.08000 |
| 1.047 | 8.160 | .47200 | .13050 | .44860 | .19620 | -.03200 | .00290 | -.00080 | -.00160 | -.02000 | -.07000 |
| 1.047 | 9.190 | .52840 | .12920 | .50100 | .21200 | -.03640 | .00380 | -.00100 | -.00170 | -.01000 | -.10000 |
| 1.048 | 10.210 | .58690 | .12810 | .55490 | .23020 | -.04160 | .00310 | -.00120 | -.00190 | -.04000 | -.10000 |
| 1.046 | 12.230 | .69560 | .12890 | .65250 | .27320 | -.04700 | .00400 | -.00100 | -.00220 | -.04000 | -.12000 |
| 1.046 | 14.230 | .80480 | .12970 | .74830 | .32360 | -.05340 | .00270 | -.00060 | -.00200 | -.02000 | -.09000 |
| 1.047 | 16.120 | .91120 | .13030 | .83930 | .37820 | -.06030 | .00370 | -.00260 | -.00250 | -.05000 | -.09000 |
| 1.045 | 18.120 | 1.03550 | .13130 | .94330 | .44670 | -.07560 | -.00050 | -.00070 | -.00120 | .04000 | -.07000 |
| 1.047 | 19.510 | 1.12140 | .13170 | 1.01300 | .49870 | -.08670 | -.00180 | .00060 | -.00100 | .01000 | -.12000 |
| | GRADIENT | .06563 | .00008 | .06317 | .00206 | -.01093 | -.00032 | -.00008 | .00005 | -.00892 | .00213 |

ARC 200-1 11(LA77) OV101 (R2B109) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 195/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.910 | -.30730 | .08870 | -.30420 | .09890 | .13970 | .00240 | .00180 | -.00020 | -9.86000 | .01000 |
| .897 | .090 | -.18830 | .08850 | -.18840 | .08820 | .12930 | .00280 | .00140 | -.00050 | -9.89000 | -.06000 |
| .898 | 2.130 | -.06670 | .08560 | -.06990 | .08310 | .11770 | .00300 | .00090 | -.00080 | -9.97000 | .05000 |
| .897 | 3.110 | -.00480 | .08420 | -.00930 | .08380 | .10990 | .00320 | .00090 | -.00080 | -9.95000 | .03000 |
| .897 | 4.110 | .05970 | .08210 | .05370 | .08620 | .10020 | .00300 | .00060 | -.00100 | -9.95000 | .01000 |
| .899 | 5.130 | .13000 | .07930 | .12240 | .09060 | .08790 | .00220 | .00050 | -.00110 | -9.93000 | -.02000 |
| .898 | 6.100 | .19200 | .07750 | .18270 | .09740 | .07930 | .00200 | .00050 | -.00130 | -9.96000 | -.01000 |
| .898 | 7.160 | .25620 | .07580 | .24480 | .10710 | .07180 | .00220 | .00030 | -.00150 | -9.95000 | -.04000 |
| .897 | 8.120 | .29990 | .07550 | .28620 | .11710 | .07320 | .00220 | -.00100 | -.00180 | -9.92000 | .02000 |
| .899 | 9.170 | .35010 | .07630 | .33340 | .13110 | .07580 | .00170 | -.00030 | -.00130 | -9.91000 | .01000 |
| .898 | 10.160 | .40140 | .07650 | .38160 | .14610 | .07500 | .00150 | -.00010 | -.00160 | -9.95000 | .05000 |
| .898 | 12.120 | .49850 | .07630 | .47140 | .17920 | .07110 | .00090 | .00110 | -.00230 | -9.97000 | .07000 |
| .898 | 14.090 | .58850 | .07840 | .55170 | .21920 | .06630 | .00090 | .00160 | -.00280 | -9.97000 | .05000 |
| .898 | 16.080 | .68320 | .07940 | .63440 | .26550 | .06190 | -.00070 | .00080 | -.00290 | -9.96000 | .04000 |
| .898 | 18.110 | .78260 | .08080 | .71880 | .32000 | .06470 | -.00210 | .00010 | -.00290 | -9.96000 | .02000 |
| .897 | 20.070 | .86330 | .08160 | .78290 | .37290 | .07670 | -.00510 | .00020 | -.00240 | -9.96000 | .02000 |
| | GRADIENT | .06075 | -.00111 | .05924 | -.00222 | -.00639 | .00011 | -.00019 | -.00013 | -.01729 | .00667 |

RUN NO. 186/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -2.010 | -.34760 | .11080 | -.34350 | .12290 | .17670 | .00260 | .00090 | -.00070 | -9.88000 | -.03000 |
| .949 | -.070 | -.22180 | .10910 | -.22170 | .10940 | .16010 | .00260 | .00070 | -.00080 | -9.90000 | .01000 |
| .947 | 2.050 | -.07760 | .10590 | -.08130 | .10300 | .13580 | .00280 | .00020 | -.00100 | -9.89000 | -.03000 |
| .946 | 3.080 | -.00290 | .10510 | -.00860 | .10480 | .12200 | .00260 | .00010 | -.00110 | -9.92000 | .01000 |
| .948 | 4.050 | .06370 | .10370 | .05620 | .10790 | .10950 | .00300 | .00010 | -.00110 | -9.93000 | .01000 |
| .948 | 5.090 | .14100 | .10310 | .13120 | .11520 | .09370 | .00400 | -.00040 | -.00140 | -9.94000 | .01000 |
| .949 | 6.030 | .20210 | .10030 | .19040 | .12100 | .08290 | .00320 | -.00010 | -.00130 | -9.96000 | .02000 |
| .949 | 7.040 | .26390 | .09830 | .24990 | .12990 | .07460 | .00150 | .00070 | -.00160 | -9.98000 | .03000 |
| .947 | 7.630 | .38620 | .09730 | .36980 | .14770 | .06030 | -.00040 | .00100 | -.00250 | -10.00000 | .02000 |
| .946 | 8.070 | .32660 | .09640 | .30980 | .14130 | .06800 | .00160 | .00080 | -.00210 | -10.00000 | .02000 |
| .947 | 8.640 | .44670 | .09560 | .42730 | .16170 | .05380 | -.00050 | .00110 | -.00310 | -9.99000 | .00000 |
| .946 | 9.870 | .56600 | .09600 | .54110 | .19160 | .04030 | -.00100 | .00080 | -.00440 | -9.96000 | -.10000 |
| .948 | 11.040 | .65910 | .09560 | .62860 | .22010 | .03920 | -.00060 | .00090 | -.00580 | -10.04000 | -.01000 |
| .947 | 12.210 | .77270 | .09830 | .73440 | .25950 | .02810 | -.00350 | .00100 | -.00650 | -10.03000 | -.02000 |
| .946 | 13.320 | .87540 | .09760 | .82940 | .29680 | .02750 | .00710 | -.00280 | .00310 | -10.01000 | -.03000 |
| .950 | 14.470 | .97000 | .09780 | .91480 | .33720 | .03260 | -.00610 | .00210 | .00010 | -9.96000 | .03000 |
| | GRADIENT | .06804 | -.00119 | .06614 | -.00257 | -.01117 | .00005 | -.00015 | -.00007 | -.00725 | .00466 |

ARC 200-1 11(LA77) OV101 (R28109) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 179/ 0 RN/L = 7.90 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -1.890 | -.30230 | .14640 | -.29730 | .15630 | .16270 | .00610 | .00120 | -.00160 | -9.90000 | -.01000 |
| 1.046 | .120 | -.16430 | .14450 | -.16460 | .14410 | .13830 | .00540 | .00130 | -.00150 | -9.90000 | -.02000 |
| 1.047 | 2.120 | -.02700 | .14400 | -.03230 | .14290 | .11160 | .00500 | .00080 | -.00160 | -9.94000 | .01000 |
| 1.049 | 3.110 | .04490 | .14360 | .03700 | .14580 | .09500 | .00530 | .00060 | -.00160 | -9.89000 | -.02000 |
| 1.045 | 4.140 | .11060 | .14330 | .10000 | .15090 | .08350 | .00450 | .00070 | -.00140 | -9.89000 | -.03000 |
| 1.046 | 5.180 | .17810 | .14200 | .16460 | .15750 | .07020 | .00520 | .00000 | -.00170 | -9.89000 | -.03000 |
| 1.047 | 6.130 | .23700 | .14110 | .22060 | .16570 | .06150 | .00490 | -.00010 | -.00180 | -9.90000 | -.02000 |
| 1.048 | 7.250 | .30500 | .14040 | .28480 | .17770 | .05240 | .00390 | .00030 | -.00150 | -9.93000 | .00000 |
| 1.049 | 8.190 | .36020 | .13910 | .33670 | .18890 | .04500 | .00310 | .00030 | -.00140 | -9.96000 | .02000 |
| 1.047 | 9.090 | .41710 | .13780 | .39010 | .20200 | .03720 | .00230 | .00050 | -.00120 | -9.93000 | -.01000 |
| 1.046 | 10.200 | .48530 | .13630 | .45350 | .22010 | .02940 | .00270 | .00010 | -.00140 | -9.94000 | -.01000 |
| 1.046 | 12.150 | .59850 | .13640 | .55640 | .25940 | .02000 | .00220 | .00000 | -.00130 | -9.93000 | -.02000 |
| 1.048 | 14.170 | .70840 | .13560 | .65370 | .30490 | .01370 | .00090 | .00040 | -.00050 | -9.91000 | -.01000 |
| 1.048 | 16.200 | .81580 | .13470 | .74580 | .35700 | .00980 | .00030 | -.00040 | -.00070 | -9.89000 | -.04000 |
| 1.048 | 18.190 | .94150 | .13180 | .85330 | .41910 | -.00470 | -.00350 | .00190 | .00020 | -9.91000 | .04000 |
| 1.049 | 20.050 | 1.06260 | .12720 | .95460 | .48390 | -.02350 | -.00080 | -.00040 | -.00140 | -9.94000 | .03000 |
| | GRADIENT | .06880 | -.00049 | .06622 | -.00093 | -.01335 | -.00022 | -.00011 | .00002 | .00078 | -.00181 |

ARC 200-1 11(LA77) OV101 (R2B110) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 187/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.980 | -.34360 | .11000 | -.33960 | .12180 | .16770 | -.08280 | -.00170 | .00780 | -9.95000 | .01000 |
| .949 | .030 | -.21430 | .11020 | -.21440 | .11010 | .15200 | -.08260 | -.00460 | .00800 | -9.93000 | -.01000 |
| .948 | 2.070 | -.07850 | .10660 | -.08230 | .10370 | .13050 | -.08200 | -.00720 | .00760 | -9.94000 | .00000 |
| .947 | 3.080 | -.00810 | .10490 | -.01370 | .10430 | .11800 | -.08130 | -.00820 | .00720 | -9.96000 | .01000 |
| .947 | 4.050 | .06120 | .10530 | .05360 | .10940 | .10580 | -.08010 | -.00870 | .00680 | -9.97000 | .02000 |
| .948 | 5.100 | .13430 | .10440 | .12450 | .11590 | .09380 | -.07840 | -.00870 | .00670 | -9.96000 | .01000 |
| .949 | 6.040 | .19750 | .10140 | .18570 | .12160 | .08240 | -.07720 | -.00910 | .00640 | -9.96000 | .00000 |
| .951 | 6.990 | .25610 | .09990 | .24200 | .13030 | .07590 | -.07750 | -.00810 | .00670 | -9.98000 | .00000 |
| .949 | 8.070 | .32130 | .09790 | .30430 | .14200 | .06910 | -.07810 | -.00780 | .00670 | -9.98000 | -.01000 |
| .946 | 9.090 | .38500 | .09520 | .36520 | .15480 | .06120 | -.07740 | -.00670 | .00470 | -9.98000 | -.01000 |
| .948 | 10.030 | .44630 | .09450 | .42310 | .17080 | .05140 | -.07680 | -.00690 | .00300 | -10.00000 | -.02000 |
| .947 | 12.030 | .56320 | .09170 | .53170 | .20710 | .04000 | -.07050 | -.01040 | .00420 | -10.04000 | -.06000 |
| .948 | 14.080 | .67020 | .09210 | .62770 | .25240 | .03300 | -.06790 | -.00900 | .00280 | -10.06000 | -.08000 |
| .947 | 16.130 | .77470 | .09250 | .71850 | .30410 | .02930 | -.05990 | -.01000 | -.00170 | -10.07000 | -.10000 |
| .948 | 18.090 | .88150 | .09160 | .80950 | .36080 | .02560 | -.04980 | -.01170 | -.00530 | -9.96000 | .03000 |
| .948 | 20.110 | .97510 | .09220 | .88390 | .42190 | .03430 | -.05070 | -.01280 | -.01280 | -9.94000 | .04000 |
| | GRADIENT | .06700 | -.00097 | .06510 | -.00235 | -.01029 | .00041 | -.00119 | -.00017 | -.00384 | .00204 |

RUN NO. 181/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -1.920 | -.30940 | .15010 | -.30420 | .16040 | .15980 | -.08170 | -.00310 | .00880 | -9.90000 | -.04000 |
| 1.048 | .090 | -.17250 | .14800 | -.17270 | .14780 | .13520 | -.08020 | -.00720 | .00830 | -9.90000 | -.05000 |
| 1.046 | 2.080 | -.03430 | .14790 | -.03960 | .14650 | .10990 | -.07810 | -.00990 | .00790 | -9.90000 | .00000 |
| 1.045 | 3.090 | .03580 | .14730 | .02780 | .14900 | .09620 | -.07620 | -.01030 | .00730 | -9.92000 | .01000 |
| 1.046 | 4.120 | .10530 | .14660 | .09450 | .15380 | .08320 | -.07430 | -.00960 | .00660 | -9.95000 | .03000 |
| 1.048 | 5.080 | .16590 | .14590 | .15230 | .16000 | .07240 | -.07400 | -.00920 | .00640 | -9.99000 | .06000 |
| 1.046 | 6.030 | .22760 | .14560 | .21110 | .16870 | .06310 | -.07330 | -.00920 | .00630 | -9.92000 | -.02000 |
| 1.048 | 7.030 | .28690 | .14530 | .26690 | .17930 | .05630 | -.07350 | -.00850 | .00620 | -9.93000 | -.03000 |
| 1.048 | 8.020 | .34690 | .14490 | .32330 | .19190 | .04880 | -.07420 | -.00860 | .00640 | -9.96000 | -.01000 |
| 1.046 | 9.090 | .41140 | .14440 | .38340 | .20750 | .04120 | -.07540 | -.00880 | .00720 | -10.02000 | .02000 |
| 1.048 | 10.030 | .46990 | .14160 | .43800 | .22130 | .03290 | -.07260 | -.00970 | .00590 | -9.99000 | .06000 |
| 1.048 | 12.030 | .58490 | .13790 | .54330 | .25670 | .02230 | -.06850 | -.01010 | .00350 | -9.94000 | -.02000 |
| 1.047 | 14.120 | .70160 | .13500 | .64750 | .30200 | .01470 | -.06670 | -.00930 | .00110 | -9.95000 | -.02000 |
| 1.046 | 16.120 | .80800 | .13300 | .73940 | .35200 | .00950 | -.06980 | -.00930 | .00040 | -9.93000 | -.03000 |
| 1.049 | 18.030 | .92580 | .12820 | .84070 | .40850 | -.00370 | -.07050 | -.00490 | -.00170 | -9.95000 | .03000 |
| 1.049 | 20.010 | 1.02560 | .12540 | .92080 | .46890 | -.00640 | -.06370 | -.00550 | -.00770 | -9.94000 | -.01000 |
| | GRADIENT | .06882 | -.00051 | .06618 | -.00111 | -.01272 | .00121 | -.00115 | -.00034 | -.00698 | .01287 |

ARC 200-1 11(LA77) OV101 (R2B111) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 197/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.900 | -.14040 | .07100 | -.13800 | .07560 | .02910 | -.08370 | .00070 | .00860 | -.02000 | -.03000 |
| .898 | .010 | -.03000 | .07110 | -.03000 | .07110 | .02190 | -.08220 | -.00160 | .00830 | .00000 | -.03000 |
| .899 | 2.090 | .08700 | .07070 | .08440 | .07380 | .01550 | -.08130 | -.00340 | .00810 | -.02000 | -.04000 |
| .896 | 3.100 | .14030 | .06880 | .13640 | .07630 | .01390 | -.08170 | -.00350 | .00770 | -.02000 | -.03000 |
| .897 | 4.100 | .19640 | .06880 | .19090 | .08270 | .01060 | -.08180 | -.00400 | .00760 | -.01000 | -.04000 |
| .898 | 5.080 | .24890 | .06790 | .24190 | .08970 | .00860 | -.08140 | -.00470 | .00720 | -.01000 | -.03000 |
| .898 | 5.950 | .29420 | .06710 | .28570 | 09720 | .00710 | -.08070 | -.00560 | .00650 | -.01000 | -.02000 |
| .898 | 7.050 | .34700 | .06640 | .33620 | .10850 | .00870 | -.08110 | -.00600 | .00600 | -.02000 | -.02000 |
| .898 | 8.010 | .40020 | .06420 | .38740 | .11930 | .00480 | -.07990 | -.00720 | .00500 | -.04000 | .00000 |
| .898 | 8.960 | .44200 | .06390 | .42660 | .13200 | .00600 | -.08020 | -.00720 | .00480 | -.10000 | -.08000 |
| .897 | 10.020 | .49600 | .06270 | .47750 | .14810 | .00370 | -.07810 | -.00780 | .00360 | -.01000 | -.04000 |
| .897 | 12.070 | .59290 | .06380 | .56650 | .18640 | .00060 | -.07870 | -.00800 | .00190 | -.04000 | -.05000 |
| .896 | 14.040 | .68770 | .06650 | .65100 | .23140 | -.00550 | -.07510 | -.00780 | -.00230 | .00000 | -.05000 |
| .897 | 16.030 | .78630 | .06700 | .73730 | .28150 | -.01230 | -.07130 | -.00630 | -.00730 | -.01000 | -.10000 |
| .897 | 18.080 | .89560 | .06680 | .83060 | .34140 | -.01560 | -.07450 | -.00520 | -.01070 | -.01000 | -.03000 |
| .897 | 20.050 | .98030 | .06670 | .89800 | .39870 | -.00660 | -.06890 | -.00720 | -.01570 | -.08000 | -.10000 |
| | GRADIENT | .05603 | -.00041 | .05473 | .00108 | -.00302 | .00032 | -.00078 | -.00017 | -.00014 | -.00138 |

RUN NO. 188/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.010 | -.16970 | .09690 | -.16620 | .10280 | .04990 | -.07290 | -.00390 | .00470 | -.03000 | -.05000 |
| .950 | .060 | -.03850 | .09630 | -.03860 | .09630 | .03450 | -.07150 | -.00710 | .00470 | -.03000 | -.04000 |
| .950 | 2.060 | .08630 | .09540 | .08280 | .09840 | .01990 | -.07010 | -.00800 | .00430 | -.03000 | -.04000 |
| .949 | 3.020 | .14600 | .09450 | .14080 | .10210 | .01240 | -.06990 | -.00750 | .00440 | -.03000 | -.04000 |
| .946 | 3.980 | .20560 | .09350 | .19870 | .10750 | .00570 | -.07040 | -.00660 | .00460 | -.03000 | -.05000 |
| .948 | 5.010 | .27050 | .09300 | .26140 | .11620 | -.00140 | -.07040 | -.00620 | .00470 | -.03000 | -.06000 |
| .948 | 5.940 | .32520 | .09110 | .31410 | .12420 | -.00760 | -.07190 | -.00550 | .00520 | -.02000 | -.03000 |
| .948 | 7.040 | .38530 | .08770 | .37170 | .13430 | -.01070 | -.07410 | -.00570 | .00610 | -.03000 | -.04000 |
| .949 | 8.040 | .44670 | .08840 | .43000 | .15000 | -.01710 | -.07320 | -.00610 | .00590 | -.05000 | -.05000 |
| .947 | 8.900 | .49330 | .08530 | .47410 | .16050 | -.02030 | -.07390 | -.00640 | .00590 | .00000 | -.03000 |
| .948 | 9.970 | .55490 | .08350 | .53210 | .17830 | -.02670 | -.07020 | -.00780 | .00470 | .00000 | -.06000 |
| .947 | 12.050 | .65540 | .08170 | .62390 | .21670 | -.02780 | -.06440 | -.01030 | .00180 | -.01000 | -.06000 |
| .949 | 14.120 | .76690 | .08650 | .72260 | .27090 | -.03720 | -.06030 | -.00930 | -.00040 | -.03000 | -.05000 |
| .948 | 16.130 | .88050 | .08940 | .82100 | .33050 | -.04330 | -.05560 | -.01070 | -.00270 | -.02000 | -.04000 |
| .948 | 18.030 | .97420 | .08760 | .89920 | .38490 | -.04490 | -.04670 | -.01220 | -.00680 | -.02000 | -.05000 |
| .950 | 20.020 | 1.08190 | .09070 | .98550 | .45560 | -.04400 | -.04160 | -.01370 | -.01600 | -.03000 | -.02000 |
| | GRADIENT | .06263 | -.00055 | .06090 | .00073 | -.00740 | .00048 | -.00047 | -.00004 | -.00000 | .00038 |

ARC 200-1 11(LA77) OV101 (R2B111) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 182/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -1.930 | -.16340 | .13810 | -.15870 | .14350 | .06060 | -.06890 | -.00490 | .00390 | -.02000 | -.06000 |
| 1.047 | .190 | -.02400 | .13700 | -.02450 | .13690 | .03840 | -.06550 | -.00830 | .00310 | -.02000 | -.06000 |
| 1.048 | 2.040 | .09770 | .13680 | .09280 | .14020 | .01960 | -.06450 | -.00920 | .00280 | -.02000 | -.06000 |
| 1.047 | 3.060 | .16240 | .13680 | .15490 | .14530 | .00900 | -.06400 | -.00920 | .00260 | -.03000 | -.05000 |
| 1.047 | 4.020 | .22530 | .13650 | .21510 | .15200 | -.00180 | -.06280 | -.00900 | .00190 | -.05000 | -.05000 |
| 1.045 | 5.050 | .29100 | .13620 | .27790 | .16130 | -.01250 | -.06160 | -.00890 | .00170 | -.01000 | -.05000 |
| 1.045 | 6.020 | .34930 | .13570 | .33320 | .17160 | -.02000 | -.06180 | -.00870 | .00160 | -.02000 | -.05000 |
| 1.046 | 7.020 | .40460 | .13500 | .38510 | .18340 | -.02500 | -.06370 | -.00780 | .00210 | -.03000 | -.06000 |
| 1.048 | 8.010 | .46010 | .13380 | .43700 | .19660 | -.02960 | -.06600 | -.00720 | .00340 | -.02000 | -.05000 |
| 1 046 | 9.020 | .51660 | .13270 | .48940 | .21200 | -.03450 | -.06600 | -.00750 | .00360 | -.06000 | -.04000 |
| 1.046 | 10.010 | .57050 | .13110 | .53900 | .22830 | -.03850 | -.06480 | -.00860 | .00290 | -.13000 | -.12000 |
| 1.046 | 11.050 | .62830 | .12970 | .59180 | .24780 | -.04290 | -.06260 | -.00940 | .00160 | -.09000 | -.08000 |
| 1.048 | 14.070 | .79890 | .12710 | .74410 | .31750 | -.05390 | -.06430 | -.00890 | .00050 | .01000 | -.03000 |
| 1.045 | 16.000 | .90300 | .12780 | .83280 | .37180 | -.06010 | -.06820 | -.00820 | .00030 | -.08000 | -.10000 |
| 1.049 | 18.040 | 1.01900 | .12760 | .92930 | .43700 | -.06960 | -.06570 | -.00630 | -.00360 | .02000 | -.05000 |
| 1.043 | 19.990 | 1.11470 | .12780 | 1.00390 | .50120 | -.07230 | -.06290 | -.00780 | -.00750 | -.02000 | -.03000 |
| | GRADIENT | .06531 | -.00024 | .06283 | .00138 | -.01042 | .00095 | -.00068 | -.00030 | -.00409 | .00183 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B112) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 198/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -6.230 | .26250 | .06930 | .25520 | .09270 | .00610 | .12620 | .00510 | -.01380 | -.02000 | -.05000 |
| .898 | -4.190 | .26300 | .06810 | .25580 | .09150 | .00670 | .08820 | .00330 | -.01080 | -.02000 | -.06000 |
| .898 | -3.170 | .26000 | .06760 | .25290 | .09070 | .00840 | .06540 | .00240 | -.00820 | -.03000 | -.07000 |
| .897 | -2.150 | .25910 | .06800 | .25200 | .09090 | .01120 | .04450 | .00120 | -.00570 | -.02000 | -.04000 |
| .899 | -1.090 | .25830 | .06880 | .25110 | .09170 | .01320 | .02300 | -.00040 | -.00310 | -.02000 | -.05000 |
| .895 | -.030 | .25450 | .06870 | .24740 | .09120 | .01400 | .00260 | -.00130 | -.00140 | -.02000 | -.05000 |
| .899 | 1.000 | .25750 | .06890 | .25020 | .09190 | .01190 | -.01660 | -.00090 | -.00040 | -.02000 | -.05000 |
| .896 | 2.050 | .25520 | .06780 | .24800 | .09050 | .01190 | -.03850 | -.00200 | .00200 | -.03000 | -.04000 |
| .899 | 3.100 | .25540 | .06840 | .24820 | .09100 | .00980 | -.05990 | -.00310 | .00450 | -.02000 | -.04000 |
| .897 | 4.150 | .24940 | .06690 | .24240 | .08880 | .00980 | -.08050 | -.00440 | .00710 | -.03000 | -.05000 |
| .897 | 6.260 | .24550 | .06800 | .23850 | .08950 | .00640 | -.12370 | -.00540 | .01150 | -.02000 | -.04000 |
| .898 | 8.350 | .24720 | .06870 | .24010 | .09040 | .00810 | -.16500 | -.00770 | .01710 | .00000 | -.05000 |
| | GRADIENT | -.00123 | -.00004 | -.00122 | -.00017 | .00026 | -.02005 | -.00086 | .00204 | -.00048 | .00207 |

RUN NO. 189/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.320 | .27310 | .09290 | .26380 | .11660 | .00280 | .12190 | .00770 | -.01540 | -.03000 | -.03000 |
| .949 | -4.250 | .27700 | .09220 | .26790 | .11610 | -.00290 | .07760 | .00470 | -.00860 | -.01000 | -.08000 |
| .951 | -3.200 | .27910 | .09410 | .26980 | .11810 | -.00450 | .05540 | .00330 | -.00520 | -.02000 | -.05000 |
| .948 | -2.140 | .27880 | .09270 | .26960 | .11660 | -.00410 | .03740 | .00170 | -.00340 | -.03000 | -.05000 |
| .947 | -1.100 | .27680 | .09190 | .26780 | .11560 | -.00400 | .02010 | .00020 | -.00190 | -.03000 | -.02000 |
| .949 | -.010 | .27490 | .09170 | .26590 | .11520 | -.00420 | .00280 | -.00080 | -.00140 | .00000 | -.05000 |
| .948 | 1.010 | .27700 | .09190 | .26790 | .11570 | -.00440 | -.01250 | -.00120 | -.00140 | -.02000 | -.04000 |
| .948 | 2.080 | .27600 | .09200 | .26690 | .11570 | -.00430 | -.02940 | -.00220 | -.00080 | -.04000 | -.03000 |
| .948 | 3.110 | .27580 | .09370 | .26660 | .11740 | -.00340 | -.04740 | -.00420 | .00090 | -.03000 | -.04000 |
| .949 | 4.160 | .26660 | .09360 | .25750 | .11640 | -.00060 | -.06990 | -.00600 | .00450 | -.02000 | -.05000 |
| .950 | 6.250 | .25850 | .09330 | .24950 | .11540 | .00210 | -.11770 | -.00890 | .01190 | -.03000 | -.05000 |
| .947 | 8.350 | .25510 | .09300 | .24610 | .11480 | .00790 | -.15970 | -.01260 | .01780 | -.02000 | -.03000 |
| | GRADIENT | -.00090 | .00005 | -.00089 | -.00004 | .00018 | -.01687 | -.00118 | .00121 | -.00126 | .00301 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B112) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 183/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -6.340 | .30110 | .13750 | .28780 | .16340 | -.01490 | .10650 | .01210 | -.00970 | -.04000 | -.05000 |
| 1.047 | -4.250 | .29360 | .13610 | .28060 | .16110 | -.01320 | .06880 | .00760 | -.00540 | -.04000 | -.05000 |
| 1.046 | -3.200 | .29270 | .13600 | .27980 | .16090 | -.01300 | .05120 | .00570 | -.00390 | -.05000 | -.05000 |
| 1.048 | -2.150 | .29270 | .13580 | .27980 | .16070 | -.01210 | .03510 | .00380 | -.00280 | -.05000 | -.06000 |
| 1.046 | -1.090 | .29080 | .13580 | .27800 | .16050 | -.01130 | .01910 | .00170 | -.00220 | -.04000 | -.06000 |
| 1.045 | -.010 | .28870 | .13550 | .27590 | .16000 | -.01090 | .00230 | -.00050 | -.00160 | -.04000 | -.06000 |
| 1.046 | 1.010 | .28890 | .13530 | .27610 | .15980 | -.01100 | -.01320 | -.00230 | -.00110 | -.03000 | -.06000 |
| 1.047 | 2.080 | .28970 | .13540 | .27680 | .16010 | -.01150 | -.02950 | -.00420 | -.00050 | -.10000 | -.13000 |
| 1.047 | 3.100 | .28750 | .13580 | .27460 | .16020 | -.01110 | -.04550 | -.00660 | .00050 | -.03000 | -.06000 |
| 1.047 | 4.160 | .28600 | .13620 | .27320 | .16040 | -.01160 | -.06260 | -.00910 | .00180 | -.02000 | -.06000 |
| 1.046 | 6.250 | .28570 | .13780 | .27280 | .16200 | -.01390 | -.10410 | -.01260 | .00710 | -.01000 | -.10000 |
| 1.044 | 8.360 | .28760 | .13850 | .27450 | .16290 | -.00940 | -.15040 | -.01750 | .01470 | .00000 | -.13000 |
| | GRADIENT | -.00085 | -.00002 | -.00084 | -.00011 | .00022 | -.01549 | -.00196 | .00076 | .00078 | -.00335 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B113) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 190/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.240 | .80920 | .08500 | .75990 | .29080 | -.03160 | .09610 | .01500 | -.00500 | -.01000 | -.04000 |
| .948 | -4.170 | .81840 | .08890 | .76760 | .29750 | -.03680 | .05940 | .00920 | -.00360 | -.02000 | -.05000 |
| .948 | -3.130 | .81560 | .08900 | .76500 | .29680 | -.03730 | .04290 | .00670 | -.00360 | -.02000 | -.05000 |
| .948 | -2.080 | .80910 | .08890 | .75870 | .29480 | -.03570 | .02710 | .00410 | -.00380 | -.03000 | -.05000 |
| .947 | -1.030 | .81280 | .09080 | .76180 | .29780 | -.03690 | .01260 | .00210 | -.00500 | -.02000 | -.05000 |
| .948 | .040 | .81080 | .09140 | .75970 | .29780 | -.03780 | -.00240 | .00060 | -.00610 | -.02000 | -.03000 |
| .947 | 1.070 | .81360 | .09190 | .76230 | .29880 | -.03920 | -.01770 | -.00040 | -.00670 | -.02000 | -.04000 |
| .948 | 2.130 | .80910 | .08940 | .75860 | .29530 | -.03840 | -.03130 | -.00180 | -.00840 | -.01000 | -.05000 |
| .947 | 3.190 | .81560 | .08970 | .76480 | .29740 | -.04050 | -.04590 | -.00440 | -.01030 | -.02000 | -.04000 |
| .949 | 4.190 | .81430 | .08740 | .76400 | .29480 | -.04120 | -.05550 | -.00960 | -.00190 | -.01000 | -.04000 |
| .947 | 6.310 | .81030 | .08630 | .76050 | .29260 | -.03870 | -.09800 | -.01560 | .00050 | .00000 | -.05000 |
| .948 | 8.430 | .81290 | .08310 | .76380 | .29040 | -.03200 | -.13320 | -.01950 | .00060 | .00000 | -.04000 |
| | GRADIENT | -.00026 | -.00003 | -.00023 | -.00011 | -.00055 | -.01388 | -.00195 | -.00039 | .00127 | .00128 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B114) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 191/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.240 | .80950 | .08500 | .76020 | .29090 | -.03180 | .09540 | .01500 | -.00510 | -.02000 | -.03000 |
| .948 | -4.170 | .81090 | .08750 | .76090 | .29360 | -.03570 | .06000 | .00910 | -.00340 | -.03000 | -.02000 |
| .948 | -3.200 | .81540 | .08960 | .76470 | .29690 | -.03800 | .05010 | .00400 | .00430 | -.03000 | -.03000 |
| .949 | -2.150 | .81520 | .09090 | .76420 | .29800 | -.03810 | .03540 | .00170 | .00350 | -.03000 | -.03000 |
| .950 | -1.100 | .81450 | .09160 | .76330 | .29870 | -.03810 | .02110 | -.00020 | .00220 | -.04000 | -.03000 |
| .948 | -.030 | .80540 | .08950 | .75490 | .29450 | -.03600 | .00650 | -.00210 | .00060 | -.05000 | -.05000 |
| .951 | 1.010 | .82340 | .09360 | .77100 | .30370 | -.04210 | -.00930 | -.00310 | .00120 | -.04000 | -.04000 |
| .948 | 2.090 | .81900 | .09050 | .76760 | .29950 | -.04090 | -.02470 | -.00450 | -.00050 | -.03000 | -.04000 |
| .947 | 3.150 | .81670 | .08860 | .76590 | .29690 | -.04100 | -.03930 | -.00690 | -.00210 | -.02000 | -.05000 |
| .948 | 4.220 | .81540 | .08750 | .76500 | .29540 | -.04080 | -.05670 | -.00960 | -.00190 | -.04000 | -.04000 |
| .948 | 6.350 | .81030 | .08590 | .76060 | .29240 | -.03800 | -.09890 | -.01540 | .00040 | -.01000 | -.05000 |
| .950 | 8.420 | .82030 | .08490 | .77040 | .29430 | -.03410 | -.13260 | -.01950 | .00060 | -.03000 | -.03000 |
| | GRADIENT | .00060 | -.00003 | .00054 | .00023 | -.00062 | -.01402 | -.00194 | -.00036 | -.00015 | -.00268 |

ARC 200-1 11(LA77) OV101 (R2B115) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = -2.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 192/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.870 | -.32200 | .11490 | -.31810 | .12530 | .16350 | .01300 | .01850 | .00920 | -10.03000 | 5.01000 |
| .949 | .090 | -.19990 | .11190 | -.20000 | .11160 | .14920 | .01330 | .02070 | .00860 | -10.05000 | 5.01000 |
| .948 | 2.180 | -.06050 | .11000 | -.06460 | .10760 | .12840 | .01280 | .02120 | .00800 | -10.07000 | 5.03000 |
| .947 | 3.140 | .00470 | .10770 | -.00120 | .10780 | .11720 | .01320 | .02060 | .00760 | -10.07000 | 5.03000 |
| .948 | 4.120 | .07340 | .10660 | .06560 | .11160 | .10530 | .01340 | .01990 | .00740 | -10.07000 | 5.03000 |
| .950 | 5.140 | .14490 | .10540 | .13490 | .11790 | .09190 | .01320 | .01880 | .00740 | -10.06000 | 5.01000 |
| .950 | 6.070 | .20790 | .10330 | .19580 | .12470 | .08100 | .01360 | .01740 | .00680 | -10.06000 | 5.01000 |
| .949 | 7.110 | .27310 | .10150 | .25850 | .13450 | .07310 | .01480 | .01520 | .00620 | -10.08000 | 5.03000 |
| .948 | 8.080 | .33060 | .09850 | .31350 | .14400 | .06700 | .01370 | .01500 | .00700 | -10.07000 | 5.01000 |
| .948 | 9.020 | .39020 | .09750 | .37000 | .15750 | .05960 | .01470 | .01410 | .00770 | -10.09000 | 5.02000 |
| .951 | 10.030 | .44980 | .09560 | .42630 | .17250 | .05120 | .01400 | .01340 | .00870 | -10.05000 | 4.99000 |
| .948 | 12.000 | .56370 | .09430 | .53180 | .20940 | .03910 | .01730 | .01110 | .01010 | -9.99000 | 5.02000 |
| | GRADIENT | .06602 | -.00137 | .06408 | -.00237 | -.00973 | .00003 | .00024 | -.00031 | -.00706 | .00415 |

ARC 200-1 11(LA77) OV101 (R2B115) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 196/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.890 | -.30230 | .09170 | -.29910 | .10160 | .13500 | -.02110 | .01580 | .00920 | -10.08000 | 5.03000 |
| .898 | .100 | -.18130 | .08960 | -.18140 | .08930 | .12230 | -.01990 | .01520 | .00850 | -10.09000 | 5.03000 |
| .898 | 2.110 | -.06360 | .08690 | -.06690 | .08450 | .11300 | -.02060 | .01470 | .00770 | -10.10000 | 5.04000 |
| .898 | 3.090 | -.00320 | .08610 | -.00780 | .08580 | .10610 | -.01980 | .01460 | .00760 | -10.11000 | 5.03000 |
| .898 | 4.100 | .06200 | .08370 | .05590 | .08790 | .09680 | -.02020 | .01430 | .00730 | -10.13000 | 5.04000 |
| .898 | 5.110 | .12920 | .08120 | .12140 | .09240 | .08610 | -.01990 | .01380 | .00700 | -10.17000 | 5.06000 |
| .896 | 6.090 | .18590 | .07870 | .17650 | .09800 | .08040 | -.01930 | .01120 | .00610 | -10.17000 | 5.07000 |
| .899 | 7.160 | .24980 | .07830 | .23810 | .10880 | .07510 | -.01820 | .00850 | .00540 | -10.16000 | 5.07000 |
| .898 | 8.130 | .30070 | .07690 | .28690 | .11860 | .07180 | -.01720 | .00560 | .00490 | -10.04000 | 5.00000 |
| .899 | 9.170 | .35650 | .07620 | .33990 | .13200 | .06990 | -.01710 | .00630 | .00530 | -10.04000 | 4.99000 |
| .897 | 10.160 | .40760 | .07540 | .38790 | .14610 | .06900 | -.01560 | .00540 | .00470 | -10.04000 | 4.99000 |
| .898 | 12.120 | .50550 | .07630 | .47820 | .18070 | .06640 | -.01370 | .00530 | .00490 | -10.05000 | 4.98000 |
| .898 | 14.090 | .59880 | .07800 | .56180 | .22140 | .05900 | -.01180 | .00630 | .00380 | -10.07000 | 4.95000 |
| .896 | 16.080 | .69090 | .07990 | .64170 | .26810 | .05620 | -.01050 | .00730 | .00330 | -10.08000 | 4.96000 |
| .898 | 18.070 | .78550 | .08080 | .72170 | .32050 | .05960 | -.00760 | .00680 | .00140 | -10.07000 | 4.95000 |
| .898 | 20.090 | .87750 | .08250 | .79580 | .37880 | .06990 | -.00760 | .00720 | .00060 | -10.06000 | 4.99000 |
| | GRADIENT | .06043 | -.00128 | .05889 | -.00233 | -.00609 | .00013 | -.00024 | -.00032 | -.00760 | .00139 |

RUN NO. 193/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.890 | -.32370 | .11390 | -.31970 | .12450 | .16230 | -.02820 | .01830 | .01230 | -10.03000 | 5.00000 |
| .947 | .080 | -.20300 | .11210 | -.20320 | .11180 | .15000 | -.02790 | .01930 | .01200 | -10.02000 | 4.99000 |
| .947 | 2.130 | -.06750 | .10960 | -.07150 | .10700 | .12940 | -.02770 | .01830 | .01150 | -10.04000 | 5.00000 |
| .947 | 3.080 | -.00300 | .10920 | -.00880 | .10890 | .11850 | -.02710 | .01770 | .01130 | -10.02000 | 4.98000 |
| .947 | 4.110 | .06690 | .10590 | .05910 | .11040 | .10580 | -.02640 | .01670 | .01070 | -10.02000 | 4.99000 |
| .949 | 5.120 | .13960 | .10520 | .12970 | .11730 | .09160 | -.02560 | .01560 | .01050 | -10.05000 | 5.01000 |
| .949 | 6.120 | .21130 | .10490 | .19890 | .12680 | .07930 | -.02360 | .01380 | .00970 | -10.03000 | 4.99000 |
| .945 | 7.160 | .27310 | .09970 | .25850 | .13290 | .07150 | -.02190 | .01150 | .00770 | -10.04000 | 5.00000 |
| .950 | 8.120 | .33270 | .09960 | .31530 | .14560 | .06340 | -.02160 | .01180 | .00730 | -10.04000 | 4.99000 |
| .947 | 9.160 | .39810 | .09860 | .37730 | .16070 | .05610 | -.02250 | .01210 | .00690 | -10.06000 | 5.00000 |
| .948 | 10.110 | .45180 | .09620 | .42780 | .17400 | .05020 | -.02250 | .01260 | .00620 | -10.06000 | 5.00000 |
| .948 | 12.210 | .57490 | .09590 | .54170 | .21530 | .03830 | -.01770 | .00900 | .00420 | -10.06000 | 4.99000 |
| .951 | 14.160 | .67650 | .09680 | .63230 | .25930 | .03220 | -.01170 | .00890 | .00120 | -10.05000 | 4.99000 |
| .949 | 16.130 | .78560 | .09820 | .72730 | .31270 | .02340 | -.00830 | .01110 | -.00210 | -10.08000 | 5.02000 |
| .949 | 18.090 | .88410 | .09650 | .81050 | .36630 | .02590 | -.00180 | .00930 | .00370 | -10.06000 | 5.00000 |
| .949 | 20.070 | .98250 | .09650 | .88970 | .42780 | .02930 | -.00680 | .01170 | .00290 | -10.03000 | 5.00000 |
| | GRADIENT | .06522 | -.00122 | .06327 | -.00234 | -.00946 | .00027 | -.00028 | -.00025 | .00092 | -.00187 |

ARC 200-1 11(LA77) OV101 (R2B116) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPOBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 180/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -1.910 | -.30390 | .15240 | -.29870 | .16240 | .16000 | -.02710 | .01740 | .01340 | -10.06000 | 5.01000 |
| 1.049 | .120 | -.16520 | .15070 | -.16550 | .15030 | .13660 | -.02690 | .01660 | .01280 | -10.04000 | 4.99000 |
| 1.047 | 2.150 | -.02510 | .14890 | -.03070 | .14790 | .10940 | -.02590 | .01520 | .01200 | -10.09000 | 5.04000 |
| 1.046 | 3.120 | .04040 | .14860 | .03220 | .15060 | .09650 | -.02530 | .01470 | .01160 | -10.10000 | 5.05000 |
| 1.048 | 4.150 | .11010 | .14760 | .09910 | .15520 | .08220 | -.02410 | .01420 | .01110 | -10.10000 | 5.04000 |
| 1.048 | 5.200 | .17960 | .14610 | .16570 | .16180 | .06900 | -.02360 | .01360 | .01080 | -10.10000 | 5.01000 |
| 1.046 | 6.230 | .24440 | .14480 | .22730 | .17050 | .05850 | -.02280 | .01260 | .01030 | -10.15000 | 5.06000 |
| 1.047 | 7.200 | .30420 | .14360 | .28390 | .18060 | .04940 | -.02270 | .01230 | .01020 | -9.99000 | 5.05000 |
| 1.047 | 8.120 | .35520 | .14270 | .33150 | .19150 | .04470 | -.02300 | .01170 | .01010 | -10.10000 | 4.97000 |
| 1.047 | 9.070 | .41220 | .14180 | .38470 | .20500 | .03880 | -.02200 | .01130 | .00990 | -10.11000 | 5.02000 |
| 1.048 | 10.250 | .48370 | .13970 | .45110 | .22350 | .03080 | -.02120 | .01090 | .00970 | -10.12000 | 5.04000 |
| 1.047 | 12.200 | .59930 | .13760 | .55670 | .26110 | .01990 | -.01480 | .00930 | .00730 | -10.02000 | 5.09000 |
| 1.047 | 14.210 | .71300 | .13840 | .65720 | .30910 | .01120 | -.01110 | .01020 | .00600 | -10.05000 | 5.00000 |
| 1.047 | 16.180 | .81810 | .13760 | .74740 | .36020 | .00620 | -.00830 | .00910 | .00450 | -10.10000 | 4.96000 |
| 1.047 | 18.170 | .93740 | .13440 | .84880 | .41990 | -.00480 | -.01180 | .01050 | .00560 | -9.98000 | 5.02000 |
| 1.048 | 20.040 | 1.05460 | .13200 | .94550 | .48530 | -.01950 | -.01020 | .01120 | .00390 | -10.05000 | 4.96000 |
| | GRADIENT | .06840 | -.00078 | .06573 | -.00126 | -.01288 | .00047 | -.00055 | -.00038 | -.00913 | .00802 |

ARC 200-1 11(LA77) OV101 (R2B117) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 221/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .595 | -1.980 | -.12770 | .05740 | -.12560 | .06170 | .02400 | -.02710 | -.00900 | .01300 | -.05000 | -.06000 |
| .596 | -.030 | -.03600 | .05790 | -.03600 | .05800 | .02280 | -.02650 | -.00910 | .01270 | -.05000 | -.05000 |
| .595 | 2.000 | .05590 | .05500 | .05390 | .05690 | .02320 | -.02590 | -.00930 | .01270 | -.04000 | -.05000 |
| .595 | 4.030 | .15600 | .04850 | .15220 | .05930 | .02200 | -.02610 | -.00930 | .01250 | -.04000 | -.06000 |
| .596 | 6.060 | .25590 | .03910 | .25040 | .06590 | .01950 | -.02640 | -.00920 | .01220 | -.03000 | -.04000 |
| .595 | 8.040 | .35780 | .02690 | .35050 | .07660 | .01660 | -.02620 | -.00930 | .01190 | -.03000 | -.04000 |
| .596 | 9.980 | .46050 | .01310 | .45120 | .09270 | .01480 | -.02640 | -.00960 | .01180 | -.03000 | -.04000 |
| .595 | 11.020 | .51370 | .00570 | .50310 | .10370 | .01610 | -.02630 | -.00950 | .01170 | -.01000 | -.06000 |
| .595 | 11.980 | .56400 | -.00060 | .55190 | .11650 | .01670 | -.02590 | -.00930 | .01170 | -.02000 | -.05000 |
| .596 | 13.030 | .62740 | -.00370 | .61210 | .13780 | .01420 | -.02850 | -.00980 | .01290 | -.03000 | -.03000 |
| .596 | 14.000 | .68010 | -.00240 | .66050 | .16230 | .01300 | -.03100 | -.00620 | .01390 | -.03000 | -.04000 |
| .597 | 15.020 | .73190 | .00020 | .70680 | .18980 | .01060 | -.02970 | -.00610 | .01290 | -.03000 | -.05000 |
| .596 | 16.030 | .78590 | .00160 | .75490 | .21850 | .00820 | -.02740 | -.00690 | .01150 | -.03000 | -.04000 |
| .596 | 18.090 | .90850 | .00820 | .86110 | .29000 | -.00210 | -.02990 | -.00760 | .01180 | -.01000 | -.07000 |
| .597 | 19.970 | 1.03290 | .01220 | .96660 | .36420 | -.01500 | -.03280 | -.00810 | .01310 | -.01000 | -.07000 |
| | GRADIENT | .04701 | -.00148 | .04603 | -.00041 | -.00028 | .00018 | -.00005 | -.00007 | .00200 | -.00002 |

RUN NO. 203/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.203 | -1.850 | -.12450 | .14990 | -.11960 | .15380 | .05320 | -.01330 | -.00510 | .00820 | .01000 | -.01000 |
| 1.203 | .000 | -.00720 | .15060 | -.00720 | .15060 | .02590 | -.01360 | -.00500 | .00780 | -.03000 | -.01000 |
| 1.201 | 1.950 | .11090 | .14920 | .10580 | .15290 | .00230 | -.01330 | -.00510 | .00770 | -.03000 | -.03000 |
| 1.202 | 3.900 | .22350 | .14710 | .21300 | .16190 | -.01800 | -.01290 | -.00520 | .00750 | -.04000 | -.04000 |
| 1.200 | 5.850 | .33600 | .14460 | .31950 | .17800 | -.03580 | -.01310 | -.00530 | .00740 | -.12000 | -.11000 |
| 1.201 | 7.970 | .45450 | .14120 | .43050 | .20280 | -.05060 | -.01350 | -.00510 | .00720 | -.03000 | -.01000 |
| 1.202 | 9.930 | .55600 | .13580 | .52430 | .22970 | -.05620 | -.01330 | -.00420 | .00710 | -.03000 | .00000 |
| 1.200 | 10.920 | .61070 | .13390 | .57430 | .24710 | -.05900 | -.01280 | -.00510 | .00640 | -.01000 | -.03000 |
| 1.202 | 11.990 | .66880 | .13290 | .62660 | .26890 | -.06290 | -.01200 | -.00540 | .00600 | -.03000 | -.01000 |
| 1.201 | 12.980 | .72530 | .13350 | .67670 | .29300 | -.06780 | -.01250 | -.00550 | .00610 | -.01000 | -.02000 |
| 1.201 | 13.940 | .78010 | .13420 | .72480 | .31830 | -.07260 | -.01320 | -.00540 | .00640 | .00000 | .00000 |
| 1.201 | 14.940 | .83380 | .13470 | .77090 | .34520 | -.07700 | -.01250 | -.00570 | .00610 | -.03000 | -.02000 |
| 1.200 | 15.950 | .88950 | .13550 | .81810 | .37470 | -.08170 | -.01300 | -.00570 | .00620 | -.01000 | .00000 |
| 1.201 | 17.910 | .99470 | .13530 | .90490 | .43470 | -.09030 | -.01380 | -.00520 | .00640 | .00000 | .00000 |
| 1.199 | 19.980 | 1.09170 | .13430 | .98010 | .49930 | -.09150 | -.01440 | -.00480 | .00620 | -.03000 | -.03000 |
| | GRADIENT | .06051 | -.00051 | .05784 | .00140 | -.01234 | .00008 | -.00002 | -.00011 | -.00776 | -.00575 |

ARC 200-1 11(LA77) OV101 (R28118) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 222/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.940 | -.29680 | .06350 | -.29440 | .07350 | .10850 | -.02780 | -.00690 | .01310 | -9.93000 | .02000 |
| .597 | -.150 | -.21340 | .06500 | -.21330 | .06560 | .10700 | -.02710 | -.00720 | .01290 | -9.93000 | .01000 |
| .596 | 2.010 | -.11840 | .06260 | -.12050 | .05840 | .10920 | -.02650 | -.00830 | .01260 | -9.93000 | .01000 |
| .597 | 3.920 | -.02980 | .05730 | -.03360 | .05510 | .10920 | -.02600 | -.00880 | .01240 | -9.93000 | .01000 |
| .596 | 6.020 | .07230 | .04830 | .06680 | .05560 | .10760 | -.02640 | -.00830 | .01230 | -9.94000 | .00000 |
| .595 | 7.950 | .16720 | .03710 | .16050 | .05990 | .10670 | -.02610 | -.00830 | .01220 | -9.94000 | .00000 |
| .596 | 10.000 | .26970 | .02360 | .26150 | .07000 | .10680 | -.02640 | -.00850 | .01200 | -9.94000 | -.01000 |
| .596 | 11.080 | .32330 | .01610 | .31420 | .07800 | .10840 | -.02610 | -.00860 | .01170 | -9.94000 | -.01000 |
| .596 | 11.970 | .37030 | .01010 | .36020 | .08660 | .10870 | -.02650 | -.00870 | .01170 | -9.94000 | -.01000 |
| .596 | 13.030 | .42770 | .00330 | .41590 | .09970 | .10930 | -.02660 | -.00910 | .01160 | -9.94000 | .00000 |
| .596 | 14.010 | .48670 | .00260 | .47160 | .12030 | .10660 | -.02980 | -.00900 | .01350 | -9.95000 | .01000 |
| .597 | 15.050 | .54620 | .00390 | .52640 | .14560 | .10230 | -.02920 | -.00740 | .01290 | -9.96000 | .02000 |
| .599 | 16.040 | .60810 | .00500 | .58300 | .17280 | .09770 | -.02850 | -.00680 | .01220 | -9.95000 | .00000 |
| .599 | 18.020 | .72040 | .00770 | .68260 | .23030 | .09120 | -.02810 | -.00760 | .01130 | -9.98000 | .04000 |
| .598 | 20.000 | .84690 | .01210 | .79170 | .30110 | .07810 | -.03110 | -.00750 | .01240 | -9.96000 | .01000 |
| | GRADIENT | .04537 | -.00107 | .04432 | -.00316 | .00023 | .00030 | -.00035 | -.00012 | -.00000 | -.00149 |

RUN NO. 204/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.930 | -.23250 | .16470 | -.22680 | .17240 | .12590 | -.01390 | -.00470 | .00830 | -9.91000 | -.01000 |
| 1.200 | -.060 | -.10900 | .16290 | -.10880 | .16300 | .09530 | -.01330 | -.00470 | .00790 | -9.91000 | -.02000 |
| 1.199 | 1.900 | .01520 | .16080 | .00990 | .16120 | .06770 | -.01300 | -.00470 | .00770 | -9.93000 | -.01000 |
| 1.199 | 4.010 | .13960 | .15880 | .12820 | .16810 | .04440 | -.01230 | -.00500 | .00720 | -9.92000 | -.01000 |
| 1.199 | 5.950 | .25470 | .15590 | .23720 | .18150 | .02390 | -.01230 | -.00480 | .00720 | -9.93000 | -.01000 |
| 1.199 | 7.960 | .36850 | .15170 | .34390 | .20130 | .00920 | -.01290 | -.00470 | .00680 | -9.96000 | .00000 |
| 1.199 | 9.980 | .47940 | .14640 | .44680 | .22730 | .00000 | -.01320 | -.00450 | .00650 | -9.95000 | .00000 |
| 1.200 | 11.010 | .53880 | .14370 | .50140 | .24390 | -.00460 | -.01280 | -.00460 | .00630 | -9.94000 | .00000 |
| 1.200 | 11.990 | .59230 | .14050 | .55030 | .26040 | -.00810 | -.01260 | -.00490 | .00620 | -9.94000 | .00000 |
| 1.199 | 12.990 | .65190 | .14070 | .60360 | .28360 | -.01360 | -.01340 | -.00490 | .00650 | -9.94000 | .00000 |
| 1.200 | 13.970 | .70770 | .13950 | .65310 | .30620 | -.01920 | -.01280 | -.00500 | .00620 | -9.96000 | .03000 |
| 1.199 | 14.970 | .75940 | .13760 | .69800 | .32910 | -.02230 | -.01110 | -.00550 | .00570 | -9.93000 | .01000 |
| 1.201 | 15.940 | .81380 | .13600 | .74520 | .35420 | -.02830 | -.01210 | -.00540 | .00590 | -9.96000 | .03000 |
| 1.198 | 17.920 | .92220 | .13380 | .83630 | .41100 | -.03630 | -.01340 | -.00510 | .00620 | -9.94000 | .02000 |
| 1.199 | 19.940 | 1.01510 | .13040 | .90970 | .46870 | -.03680 | -.01340 | -.00480 | .00570 | -9.96000 | .04000 |
| | GRADIENT | .06267 | -.00100 | .05980 | -.00069 | -.01372 | .00026 | -.00005 | -.00018 | -.00249 | .00053 |

ARC 200-1 11(LA77) OV101 (R2B119) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 223/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.810 | -.11570 | .05590 | -.11390 | .05950 | .01840 | -.10220 | -.01150 | .01990 | -.02000 | -.03000 |
| .598 | .010 | -.03170 | .05700 | -.03170 | .05700 | .01750 | -.10180 | -.01270 | .01980 | -.02000 | -.03000 |
| .598 | 2.090 | .06460 | .05450 | .06260 | .05680 | .01750 | -.10100 | -.01390 | .01950 | -.02000 | -.03000 |
| .599 | 4.010 | .15790 | .04900 | .15410 | .05990 | .01660 | -.09960 | -.01470 | .01840 | -.02000 | -.04000 |
| .598 | 5.960 | .25430 | .04020 | .24870 | .06640 | .01460 | -.09800 | -.01540 | .01750 | -.02000 | -.04000 |
| .598 | 7.990 | .36100 | .02760 | .35360 | .07760 | .01220 | -.10020 | -.01740 | .01810 | -.04000 | -.05000 |
| .598 | 10.030 | .46740 | .01330 | .45790 | .09440 | .01110 | -.09820 | -.02020 | .01820 | -.05000 | -.03000 |
| .598 | 11.060 | .52410 | .00580 | .51320 | .10620 | .00980 | -.09850 | -.02160 | .01810 | -.02000 | -.06000 |
| .598 | 12.050 | .58010 | -.00070 | .56750 | .12040 | .00950 | -.09810 | -.02170 | .01790 | -.02000 | -.06000 |
| .599 | 13.120 | .64110 | -.00600 | .62570 | .13960 | .00690 | -.09720 | -.02060 | .01770 | -.03000 | -.06000 |
| .598 | 14.030 | .69090 | -.00070 | .67050 | .16680 | .00330 | -.10030 | -.01660 | .01920 | -.04000 | -.05000 |
| .598 | 15.040 | .74220 | .00170 | .71630 | .19420 | .00050 | -.10110 | -.01570 | .01900 | -.04000 | -.05000 |
| .599 | 16.010 | .79640 | .00400 | .76440 | .22350 | -.00170 | -.10220 | -.01460 | .01940 | -.04000 | -.05000 |
| .599 | 18.020 | .89620 | .00270 | .85140 | .27980 | .00080 | -.10440 | -.01700 | .02010 | -.04000 | -.04000 |
| .599 | 19.980 | 1.01670 | .00800 | .95270 | .35490 | -.01080 | -.10890 | -.01710 | .02130 | -.05000 | -.04000 |
| | GRADIENT | .04694 | -.00120 | .04597 | .00006 | -.00027 | .00044 | -.00055 | -.00025 | -.00000 | -.00154 |

RUN NO. 205/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.950 | -.13740 | .15100 | -.13210 | .15560 | .05530 | -.08680 | -.01130 | .01360 | .04000 | -.03000 |
| 1.201 | .030 | -.01340 | .15060 | -.01350 | .15050 | .02740 | -.08430 | -.01160 | .01270 | .02000 | -.03000 |
| 1.200 | 2.010 | .10670 | .14950 | .10140 | .15320 | .00320 | -.08160 | -.01200 | .01170 | -.02000 | -.03000 |
| 1.200 | 4.000 | .22470 | .14780 | .21390 | .16320 | -.01860 | -.07850 | -.01240 | .01020 | .00000 | -.03000 |
| 1.199 | 5.960 | .33910 | .14600 | .32210 | .18050 | -.03600 | -.07580 | -.01280 | .00860 | -.02000 | -.02000 |
| 1.201 | 7.970 | .45320 | .14320 | .42900 | .20470 | -.04930 | -.07520 | -.01300 | .00810 | -.03000 | -.03000 |
| 1.199 | 9.980 | .55970 | .13970 | .52700 | .23460 | -.05500 | -.07660 | -.01300 | .00860 | -.02000 | -.03000 |
| 1.198 | 11.030 | .61660 | .13870 | .57870 | .25410 | -.05890 | -.07660 | -.01300 | .00780 | -.02000 | -.04000 |
| 1.199 | 12.020 | .67150 | .13760 | .62810 | .27450 | -.06300 | -.07790 | -.01280 | .00790 | -.03000 | -.04000 |
| 1.201 | 13.040 | .72830 | .13690 | .67870 | .29770 | -.06880 | -.07830 | -.01210 | .00740 | .00000 | -.01000 |
| 1.200 | 14.010 | .78760 | .13720 | .73100 | .32370 | -.07610 | -.07840 | -.01030 | .00670 | -.03000 | -.05000 |
| 1.199 | 15.020 | .84390 | .13740 | .77940 | .35140 | -.08080 | -.07780 | -.00990 | .00550 | -.03000 | -.05000 |
| 1.200 | 16.030 | .89600 | .13690 | .82330 | .37910 | -.08460 | -.07730 | -.01010 | .00410 | -.03000 | -.04000 |
| 1.199 | 17.990 | .99240 | .13410 | .90250 | .43420 | -.08690 | -.07550 | -.01120 | .00060 | -.01000 | -.08000 |
| 1.199 | 19.990 | 1.08310 | .13150 | .97300 | .49380 | -.08900 | -.07280 | -.01160 | -.00290 | -.01000 | -.07000 |
| | GRADIENT | .06084 | -.00054 | .05814 | .00129 | -.01240 | .00139 | -.00019 | -.00056 | -.00806 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B120) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 224/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -6.100 | .44090 | .01610 | .43250 | .08700 | .00960 | .08220 | .00480 | .00130 | -.01000 | -.06000 |
| .598 | -4.080 | .43560 | .01610 | .42730 | .08610 | .01220 | .04500 | -.00020 | .00570 | -.01000 | -.06000 |
| .598 | -3.060 | .43320 | .01670 | .42480 | .08620 | .01320 | .02730 | -.00250 | .00740 | -.02000 | -.06000 |
| .599 | -2.040 | .43090 | .01750 | .42250 | .08660 | .01460 | .00960 | -.00480 | .00910 | -.01000 | -.06000 |
| .598 | -1.020 | .42860 | .01810 | .42020 | .08660 | .01480 | -.00940 | -.00710 | .01060 | -.02000 | -.06000 |
| .599 | -.010 | .42310 | .01880 | .41460 | .08630 | .01490 | -.02700 | -.00950 | .01200 | -.01000 | -.06000 |
| .598 | .980 | .42760 | .01850 | .41900 | .08720 | .01470 | -.04370 | -.01150 | .01360 | -.02000 | -.06000 |
| .599 | 2.030 | .46360 | .01380 | .45410 | .09400 | .01380 | -.06140 | -.01420 | .01490 | -.03000 | -.06000 |
| .598 | 3.070 | .46260 | .01420 | .45310 | .09420 | .01310 | -.07860 | -.01640 | .01600 | -.01000 | -.05000 |
| .599 | 4.110 | .46170 | .01400 | .45230 | .09380 | .01140 | -.09790 | -.01960 | .01810 | -.01000 | -.05000 |
| .598 | 6.170 | .46450 | .01350 | .45520 | .09370 | .00640 | -.13720 | -.02290 | .02160 | -.01000 | -.06000 |
| .598 | 8.240 | .47310 | .01230 | .46380 | .09410 | .00660 | -.17270 | -.02600 | .02490 | -.01000 | -.06000 |
| | GRADIENT | .00421 | -.00038 | .00404 | .00115 | -.00009 | -.01739 | -.00233 | .00147 | -.00016 | .00115 |

RUN NO. 206/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.201 | -6.200 | .57060 | .13670 | .53790 | .23430 | -.05590 | .08110 | .00670 | .00370 | -.03000 | -.01000 |
| 1.199 | -4.160 | .57050 | .13670 | .53800 | .23390 | -.05760 | .04870 | .00340 | .00480 | -.02000 | -.02000 |
| 1.198 | -3.120 | .56810 | .13650 | .53580 | .23310 | -.05720 | .03210 | .00160 | .00560 | -.02000 | -.02000 |
| 1.198 | -2.080 | .56510 | .13590 | .53300 | .23170 | -.05600 | .01590 | .00030 | .00620 | -.02000 | -.03000 |
| 1.197 | -1.040 | .56270 | .13500 | .53090 | .23030 | -.05520 | .00060 | -.00200 | .00660 | -.01000 | -.05000 |
| 1.198 | -.040 | .55690 | .13520 | .52530 | .22910 | -.05510 | -.01410 | -.00390 | .00680 | -.03000 | -.03000 |
| 1.199 | .970 | .55820 | .13580 | .52620 | .23040 | -.05470 | -.02750 | -.00650 | .00680 | -.04000 | -.03000 |
| 1.199 | 2.050 | .56210 | .13690 | .52980 | .23250 | -.05600 | -.04290 | -.00950 | .00710 | -.04000 | -.03000 |
| 1.200 | 3.090 | .56060 | .13800 | .52810 | .23330 | -.05560 | -.05860 | -.01130 | .00770 | -.03000 | -.03000 |
| 1.199 | 4.170 | .55740 | .13930 | .52480 | .23400 | -.05450 | -.07610 | -.01290 | .00850 | -.03000 | -.03000 |
| 1.199 | 6.280 | .55570 | .14060 | .52290 | .23480 | -.05420 | -.11140 | -.01650 | .00990 | -.05000 | -.05000 |
| 1.200 | 8.380 | .55870 | .14170 | .52560 | .23660 | -.05190 | -.14750 | -.02110 | .01220 | -.07000 | -.07000 |
| | GRADIENT | -.00137 | .00029 | -.00139 | .00005 | .00028 | -.01474 | -.00206 | .00037 | -.00223 | -.00081 |

ARC 200-1 11(LA77) OV101 (R2B121) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 217/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -1.980 | -.14480 | .07470 | -.14210 | .07960 | .03620 | -.01250 | -.00370 | .00640 | -.03000 | -.04000 |
| .899 | -.020 | -.03030 | .07630 | -.03030 | .07630 | .02840 | -.01180 | -.00400 | .00640 | -.03000 | -.03000 |
| .899 | 1.970 | .08220 | .07490 | .07960 | .07760 | .02290 | -.01270 | -.00480 | .00640 | -.01000 | -.02000 |
| .900 | 2.930 | .13640 | .07470 | .13240 | .08160 | .01910 | -.01290 | -.00470 | .00640 | -.04000 | .01000 |
| .900 | 3.950 | .18860 | .07360 | .18310 | .08640 | .01870 | -.01320 | -.00470 | .00630 | -.07000 | .00000 |
| .900 | 4.950 | .24150 | .07380 | .23420 | .09440 | .01650 | -.01340 | -.00460 | .00640 | -.05000 | -.01000 |
| .899 | 5.900 | .28920 | .07240 | .28020 | .10180 | .01450 | -.01280 | -.00540 | .00580 | -.05000 | .00000 |
| .899 | 6.850 | .33660 | .07110 | .32570 | .11080 | .01410 | -.01350 | -.00500 | .00590 | -.05000 | .01000 |
| .899 | 7.780 | .38500 | .07060 | .37190 | .12210 | .01170 | -.01460 | -.00430 | .00610 | -.05000 | .00000 |
| .900 | 8.990 | .44370 | .06850 | .42760 | .13700 | .01070 | -.01590 | -.00470 | .00650 | -.05000 | -.03000 |
| .900 | 9.750 | .48170 | .06760 | .46320 | .14830 | .01040 | -.01620 | -.00480 | .00650 | -.04000 | -.03000 |
| .900 | 11.970 | .58460 | .06850 | .55770 | .18830 | .00760 | -.01540 | -.00420 | .00550 | .00000 | -.04000 |
| .901 | 13.990 | .68260 | .07170 | .64510 | .23460 | -.00180 | -.01580 | -.00280 | .00510 | -.05000 | -.02000 |
| .898 | 16.010 | .78560 | .07310 | .73500 | .28700 | -.00720 | -.01730 | -.00310 | .00510 | -.05000 | -.04000 |
| .900 | 17.980 | .89560 | .07410 | .82890 | .34700 | -.01040 | -.01980 | -.00270 | .00540 | -.04000 | -.04000 |
| .900 | 19.920 | .97860 | .07630 | .89410 | .40520 | -.00600 | -.02140 | -.00290 | .00530 | -.04000 | -.04000 |
| | GRADIENT | .05582 | -.00024 | .05440 | .00199 | -.00284 | -.00018 | -.00015 | -.00001 | -.00446 | .00592 |

RUN NO. 211/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -2.000 | -.16570 | .09940 | -.16210 | .10510 | .05310 | -.00930 | -.00370 | .00500 | -.01000 | -.03000 |
| .948 | -.020 | -.03840 | .09760 | -.03840 | .09760 | .03650 | -.00870 | -.00380 | .00470 | -.01000 | -.03000 |
| .948 | 1.980 | .08400 | .09890 | .08060 | .10170 | .02310 | -.00850 | -.00400 | .00440 | -.02000 | -.04000 |
| .951 | 2.950 | .14640 | .09830 | .14110 | .10570 | .01400 | -.00820 | -.00400 | .00420 | -.02000 | -.04000 |
| .949 | 3.980 | .21190 | .09610 | .20470 | .11060 | .00470 | -.00820 | -.00400 | .00410 | -.02000 | -.04000 |
| .949 | 4.960 | .27220 | .09450 | .26300 | .11770 | -.00300 | -.00890 | -.00410 | .00440 | -.03000 | -.05000 |
| .952 | 5.970 | .33290 | .09330 | .32150 | .12740 | -.00980 | -.00890 | -.00370 | .00440 | -.04000 | -.04000 |
| .950 | 6.940 | .38840 | .09120 | .37460 | .13740 | -.01480 | -.00970 | -.00390 | .00440 | -.02000 | -.05000 |
| .950 | 7.880 | .44030 | .08930 | .42390 | .14880 | -.01900 | -.01010 | -.00420 | .00380 | -.03000 | -.04000 |
| .951 | 8.870 | .49810 | .08950 | .47830 | .16530 | -.02400 | -.01120 | -.00340 | .00330 | .00000 | -.06000 |
| .951 | 9.860 | .55200 | .08670 | .52900 | .18000 | -.02700 | -.01240 | -.00320 | .00290 | -.03000 | -.04000 |
| .950 | 11.880 | .66000 | .08890 | .62760 | .22290 | -.03300 | -.01180 | -.00300 | .00130 | -.02000 | -.02000 |
| .949 | 13.840 | .74890 | .09000 | .70560 | .26650 | -.03200 | -.01250 | -.00230 | .00030 | -.06000 | -.02000 |
| .949 | 15.800 | .85300 | .09340 | .79530 | .32210 | -.03880 | -.00920 | -.00200 | -.00270 | -.05000 | -.02000 |
| .950 | 17.770 | .96410 | .09430 | .88930 | .38400 | -.04470 | -.01450 | -.00040 | -.00290 | -.06000 | -.02000 |
| .949 | 19.950 | 1.06480 | .09340 | .96900 | .45120 | -.03700 | -.01350 | -.00050 | .00410 | -.03000 | -.03000 |
| | GRADIENT | .06286 | -.00056 | .06103 | .00191 | -.00801 | .00010 | -.00006 | -.00011 | -.00266 | -.00266 |

ARC 200-1 11(LA77) OV101 (R2B121) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 207/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.930 | -.16600 | .13960 | -.16120 | .14510 | .06870 | -.01490 | -.00570 | .00870 | -.02000 | -.01000 |
| 1.047 | .000 | -.03740 | .13890 | -.03740 | .13890 | .04780 | -.01440 | -.00570 | .00820 | -.01000 | -.01000 |
| 1.045 | 2.020 | .09670 | .13930 | .09170 | .14260 | .02440 | -.01330 | -.00550 | .00760 | .00000 | -.02000 |
| 1.046 | 3.000 | .16280 | .13950 | .15530 | .14790 | .01200 | -.01300 | -.00530 | .00730 | .00000 | -.02000 |
| 1.047 | 4.020 | .22760 | .13960 | .21730 | .15530 | .00010 | -.01290 | -.00550 | .00700 | -.02000 | -.04000 |
| 1.046 | 5.010 | .29020 | .13860 | .27700 | .16340 | -.01000 | -.01310 | -.00530 | .00670 | -.02000 | -.05000 |
| 1.047 | 6.010 | .34950 | .13750 | .33310 | .17330 | -.01870 | -.01300 | -.00560 | .00650 | -.03000 | -.04000 |
| 1.048 | 6.980 | .40400 | .13590 | .38440 | .18400 | -.02480 | -.01380 | -.00500 | .00650 | -.04000 | -.05000 |
| 1.048 | 7.930 | .45590 | .13370 | .43310 | .19530 | -.02930 | -.01220 | -.00500 | .00590 | -.03000 | -.03000 |
| 1.047 | 8.940 | .51200 | .13210 | .48520 | .21000 | -.03380 | -.01220 | -.00470 | .00570 | .01000 | -.02000 |
| 1.046 | 9.940 | .56860 | .13140 | .53740 | .22760 | -.03870 | -.01300 | -.00460 | .00580 | -.02000 | .01000 |
| 1.045 | 11.960 | .68100 | .13100 | .63910 | .26930 | -.04570 | -.01070 | -.00540 | .00510 | .00000 | -.01000 |
| 1.049 | 14.000 | .79090 | .13160 | .73550 | .31900 | -.05170 | -.01160 | -.00510 | .00540 | -.01000 | -.01000 |
| 1.047 | 15.970 | .89890 | .13310 | .82760 | .37520 | -.05900 | -.01100 | -.00560 | .00500 | .00000 | -.01000 |
| 1.047 | 18.000 | 1.03100 | .13140 | .94000 | .44350 | -.07610 | -.01210 | -.00350 | .00470 | -.01000 | -.03000 |
| 1.048 | 19.970 | 1.14710 | .13110 | 1.03330 | .51500 | -.08940 | -.01080 | -.00280 | .00330 | .07000 | -.07000 |
| | GRADIENT | .06631 | .00003 | .06379 | .00167 | -.01157 | .00037 | .00006 | -.00029 | .00128 | -.00436 |

ARC 200-1 11(LA77) OV101 (R2B122) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 218/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.950 | -.31530 | .09230 | -.31200 | .10300 | .14320 | -.01190 | -.00210 | .00690 | -9.93000 | .01000 |
| .899 | .000 | -.19900 | .09240 | -.19900 | .09240 | .13380 | -.01240 | -.00260 | .00680 | -9.91000 | -.01000 |
| .900 | 2.000 | -.07920 | .09020 | -.08230 | .08740 | .12240 | -.01270 | -.00340 | .00690 | -9.96000 | .04000 |
| .899 | 2.980 | -.01670 | .08850 | -.02120 | .08760 | .11410 | -.01240 | -.00370 | .00670 | -9.92000 | -.01000 |
| .900 | 3.990 | .04990 | .08700 | .04370 | .09030 | .10440 | -.01330 | -.00400 | .00660 | -9.92000 | -.01000 |
| .900 | 4.990 | .11810 | .08490 | .11030 | .03490 | .09300 | -.01390 | -.00400 | .00660 | -9.95000 | .02000 |
| .900 | 5.980 | .18290 | .08240 | .17330 | .10110 | .08310 | -.01400 | -.00400 | .00660 | -9.94000 | .00000 |
| .899 | 6.930 | .23740 | .08160 | .22580 | .10970 | .07920 | -.01340 | -.00490 | .00610 | -9.94000 | .00000 |
| .898 | 7.950 | .29230 | .08120 | .27820 | .12090 | .07640 | -.01350 | -.00540 | .00600 | -9.98000 | .03000 |
| .903 | 8.960 | .33580 | .08180 | .31900 | .13300 | .07970 | -.01640 | -.00420 | .00690 | -9.92000 | -.02000 |
| .902 | 9.960 | .38810 | .08050 | .36830 | .14640 | .07840 | -.01630 | -.00420 | .00680 | -9.94000 | .01000 |
| .900 | 11.980 | .49040 | .08060 | .46300 | .18070 | .07480 | -.01560 | -.00390 | .00580 | -9.95000 | .02000 |
| .899 | 13.960 | .58430 | .08220 | .54720 | .22070 | .07040 | -.01320 | -.00290 | .00450 | -9.97000 | .03000 |
| .901 | 15.980 | .68310 | .08380 | .63370 | .26860 | .06450 | -.01660 | -.00300 | .00480 | -9.97000 | .03000 |
| .900 | 17.980 | .78000 | .08440 | .71590 | .32110 | .06860 | -.01670 | -.00330 | .00410 | -9.98000 | .04000 |
| .899 | 19.950 | .85330 | .08460 | .77320 | .37060 | .07800 | -.02030 | -.00320 | .00510 | -9.97000 | .03000 |
| | GRADIENT | .06216 | -.00109 | .06058 | -.00129 | -.00708 | -.00025 | -.00030 | -.00004 | -.00209 | .00031 |

RUN NO. 212/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.980 | -.34740 | .11470 | -.34320 | .12660 | .17820 | -.01440 | -.00360 | .00790 | -9.93000 | .04000 |
| .948 | .030 | -.21630 | .11330 | -.21640 | .11320 | .16160 | -.01350 | -.00390 | .00750 | -9.97000 | .03000 |
| .948 | 1.860 | -.09090 | .11220 | -.09450 | .10920 | .14040 | -.01380 | -.00420 | .00720 | -9.99000 | .04000 |
| .951 | 2.840 | -.02130 | .11090 | -.02680 | .10970 | .12700 | -.01320 | -.00430 | .00720 | -9.94000 | .10000 |
| .951 | 3.870 | .04970 | .10810 | .04230 | .11130 | .11320 | -.01380 | -.00430 | .00710 | -9.94000 | .09000 |
| .950 | 4.870 | .12390 | .10640 | .11440 | .11650 | .09810 | -.01230 | -.00490 | .00670 | -9.91000 | -.01000 |
| .949 | 5.880 | .18990 | .10380 | .17830 | .12270 | .08710 | -.01280 | -.00500 | .00670 | -9.98000 | -.01000 |
| .950 | 6.850 | .24980 | .10380 | .23560 | .13290 | .07970 | -.01390 | -.00450 | .00730 | -9.91000 | .08000 |
| .950 | 7.790 | .30900 | .10220 | .29230 | .14320 | .07140 | -.01430 | -.00450 | .00630 | -9.87000 | .05000 |
| .950 | 8.790 | .36970 | .10120 | .34990 | .15650 | .06390 | -.01640 | -.00390 | .00610 | -9.92000 | .09000 |
| .949 | 9.790 | .43510 | .09880 | .41200 | .17140 | .05460 | -.01720 | -.00340 | .00530 | -9.93000 | .09000 |
| .949 | 11.810 | .54130 | .09750 | .50990 | .20630 | .04990 | -.01400 | -.00560 | .00240 | -10.29000 | -.34000 |
| .949 | 13.950 | .65690 | .09560 | .61450 | .25110 | .03710 | -.01360 | -.00260 | .00090 | -9.91000 | -.02000 |
| .947 | 15.740 | .75150 | .09580 | .69730 | .29600 | .03290 | -.01040 | -.00290 | -.00170 | -9.87000 | -.01000 |
| .949 | 17.980 | .87440 | .09550 | .80220 | .36080 | .02760 | -.01730 | -.00090 | -.00150 | -9.94000 | .02000 |
| .949 | 19.690 | .96170 | .09500 | .87350 | .41340 | .02940 | -.01450 | -.00120 | .00490 | -9.94000 | .02000 |
| | GRADIENT | .06875 | -.00119 | .06677 | -.00153 | -.01175 | .00021 | -.00016 | -.00015 | .00339 | .00076 |

ARC 200-1 11(LA77) OV101 (R2B122) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 208/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -1.990 | -.31260 | .15120 | -.30720 | .16190 | .16680 | -.01810 | -.00580 | .01040 | -9.94000 | .00000 |
| 1.045 | .010 | -.17620 | .14990 | -.17620 | .14990 | .14310 | -.01800 | -.00590 | .01010 | -9.94000 | .00000 |
| 1.047 | 2.040 | -.03390 | .14920 | -.03920 | .14790 | .11410 | -.01620 | -.00560 | .00890 | -9.94000 | -.03000 |
| 1.048 | 3.040 | .03780 | .14900 | .02990 | .15080 | .09840 | -.01540 | -.00570 | .00850 | -9.96000 | -.02000 |
| 1.047 | 4.000 | .09950 | .14810 | .08890 | .15470 | .08620 | -.01520 | -.00570 | .00820 | -9.92000 | -.02000 |
| 1.046 | 4.980 | .16160 | .14720 | .14820 | .16070 | .07600 | -.01490 | -.00610 | .00810 | -9.92000 | -.01000 |
| 1.046 | 6.000 | .22570 | .14610 | .20920 | .16890 | .06550 | -.01500 | -.00610 | .00760 | -9.93000 | .01000 |
| 1.048 | 6.970 | .28670 | .14590 | .26680 | .17960 | .05560 | -.01560 | -.00540 | .00800 | -9.92000 | .00000 |
| 1.045 | 7.920 | .34360 | .14470 | .32040 | .19070 | .04890 | -.01610 | -.00570 | .00810 | -9.92000 | .00000 |
| 1.046 | 8.970 | .40590 | .14270 | .37870 | .20420 | .04030 | -.01630 | -.00520 | .00760 | -9.95000 | .02000 |
| 1.048 | 9.930 | .46610 | .14080 | .43480 | .21910 | .03310 | -.01520 | -.00510 | .00700 | -9.93000 | .00000 |
| 1.046 | 11.980 | .58450 | .14010 | .54270 | .25830 | .02240 | -.01290 | -.00460 | .00570 | -9.94000 | -.02000 |
| 1.045 | 14.000 | .69590 | .13920 | .64160 | .30340 | .01590 | -.01320 | -.00440 | .00600 | -9.91000 | -.01000 |
| 1.048 | 16.000 | .80820 | .13700 | .73910 | .35450 | .00730 | -.01200 | -.00520 | .00520 | -9.94000 | -.02000 |
| 1.044 | 17.990 | .92770 | .13470 | .84070 | .41470 | -.00350 | -.01090 | -.00420 | .00400 | -9.96000 | .00000 |
| 1.048 | 20.000 | 1.05820 | .12760 | .95080 | .48180 | -.02320 | -.00940 | -.00270 | .00270 | -9.95000 | .02000 |
| | GRADIENT | .06854 | -.00052 | .06586 | -.00017 | -.01340 | .00053 | -.00001 | -.00037 | .00232 | -.00268 |

ARC 200-1 11(LA77) OV101 (R28123) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 213/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.000 | -.33510 | .11760 | -.33080 | .12920 | .16600 | -.04540 | .01290 | .02150 | -10.10000 | 4.99000 |
| .950 | -.020 | -.21250 | .11660 | -.21250 | .11670 | .15330 | -.04540 | .01380 | .02120 | -10.10000 | 4.98000 |
| .950 | 1.970 | -.08030 | .11350 | -.08420 | .11070 | .13280 | -.04480 | .01320 | .02050 | -10.16000 | 5.04000 |
| .948 | 2.960 | -.01360 | .11250 | -.01940 | .11160 | .12170 | -.04470 | .01250 | .02030 | -10.20000 | 5.07000 |
| .950 | 3.990 | .05700 | .11090 | .04910 | .11460 | .10960 | -.04360 | .01160 | .01970 | -10.24000 | 5.11000 |
| .949 | 4.980 | .12860 | .10930 | .11870 | .12010 | .09500 | -.04320 | .01060 | .01940 | -9.96000 | 5.02000 |
| .950 | 6.000 | .19540 | .10580 | .18320 | .12570 | .08390 | -.04080 | .00830 | .01820 | -10.14000 | 5.06000 |
| .950 | 6.960 | .26080 | .10400 | .24620 | .13480 | .07250 | -.03980 | .00720 | .01740 | -9.94000 | 5.13000 |
| .951 | 7.950 | .32150 | .10270 | .30420 | .14610 | .06470 | -.03920 | .00690 | .01650 | -9.95000 | 5.13000 |
| .949 | 8.980 | .38220 | .10090 | .36180 | .15930 | .05840 | -.04160 | .00720 | .01610 | -9.97000 | 5.13000 |
| .950 | 9.940 | .44530 | .10080 | .42120 | .17610 | .04970 | -.04110 | .00820 | .01540 | -9.99000 | 5.13000 |
| .948 | 11.960 | .55590 | .09680 | .52380 | .20990 | .04200 | -.03490 | .00430 | .01250 | -9.94000 | 5.15000 |
| .950 | 13.950 | .66750 | .09930 | .62390 | .25720 | .03060 | -.02640 | .00540 | .00830 | -9.92000 | 5.14000 |
| .949 | 15.970 | .76550 | .09810 | .70900 | .30490 | .02970 | -.01840 | .00590 | .00390 | -10.05000 | 5.03000 |
| .947 | 17.940 | .87340 | .09820 | .80060 | .36250 | .02840 | -.01870 | .00810 | .00170 | -10.05000 | 5.03000 |
| .951 | 19.920 | .97650 | .09880 | .88440 | .42570 | .02900 | -.01870 | .00800 | .00870 | -10.06000 | 5.03000 |
| | GRADIENT | .06639 | -.00122 | .06437 | -.00144 | -.01017 | .00032 | -.00035 | -.00031 | .00122 | .01268 |

ARC 200-1 11(LA77) OV101 (R2B124) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.9000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 219/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.960 | -.14900 | .07600 | -.14630 | .08110 | .03210 | -.10550 | -.00540 | .01990 | -.05000 | -.04000 |
| .901 | -.010 | -.03600 | .07760 | -.03590 | .07760 | .02410 | -.10520 | -.00770 | .01980 | -.03000 | -.03000 |
| .900 | 2.030 | .07960 | .07580 | .07690 | .07860 | .01790 | -.10450 | -.00960 | .01930 | -.02000 | -.02000 |
| .900 | 2.990 | .13570 | .07610 | .13150 | .08310 | .01420 | -.10480 | -.00970 | .01930 | -.03000 | -.01000 |
| .900 | 4.000 | .18930 | .07430 | .18370 | .08730 | .01190 | -.10450 | -.01030 | .01890 | -.04000 | .01000 |
| .901 | 4.970 | .24050 | .07300 | .23330 | .09350 | .01030 | -.10450 | -.01060 | .01850 | -.06000 | .03000 |
| .899 | 5.960 | .29190 | .07160 | .28290 | .10160 | .00930 | -.10390 | -.01150 | .01750 | -.06000 | .03000 |
| .900 | 7.020 | .35040 | .07200 | .33900 | .11430 | .00720 | -.10360 | -.01350 | .01650 | -.08000 | .03000 |
| .900 | 7.970 | .39560 | .06830 | .38230 | .12250 | .00680 | -.10240 | -.01380 | .01580 | -.04000 | -.03000 |
| .900 | 8.970 | .44590 | .06820 | .42980 | .13690 | .00600 | -.10170 | -.01410 | .01540 | -.05000 | -.04000 |
| .899 | 10.020 | .49910 | .06900 | .47950 | .15480 | .00540 | -.10230 | -.01350 | .01500 | -.04000 | -.03000 |
| .899 | 12.020 | .59070 | .06780 | .56360 | .18930 | .00170 | -.10130 | -.01430 | .01310 | -.04000 | -.02000 |
| .900 | 14.040 | .69120 | .07090 | .65340 | .23650 | -.00640 | -.09800 | -.01340 | .00880 | -.01000 | -.06000 |
| .899 | 16.050 | .79040 | .07160 | .73980 | .28730 | -.01140 | -.09420 | -.01230 | .00330 | -.04000 | -.03000 |
| .899 | 17.980 | .89010 | .07050 | .82490 | .34190 | -.01310 | -.09560 | -.01100 | -.00030 | -.03000 | -.04000 |
| .900 | 19.950 | .98250 | .07210 | .89890 | .40310 | -.00430 | -.09140 | -.01310 | -.00320 | -.02000 | -.03000 |
| | GRADIENT | .05639 | -.00046 | .05497 | .00173 | -.00319 | .00015 | -.00074 | -.00020 | -.00088 | .00947 |

RUN NO. 214/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.950 | -.16770 | .10060 | -.16420 | .10620 | .05110 | -.09250 | -.01010 | .01530 | -.04000 | -.02000 |
| .950 | -.010 | -.04700 | .10090 | -.04700 | .10090 | .03760 | -.09120 | -.01280 | .01510 | -.04000 | -.01000 |
| .949 | 1.990 | .07990 | .10090 | .07640 | .10370 | .02220 | -.08970 | -.01400 | .01470 | -.02000 | -.03000 |
| .950 | 3.020 | .14480 | .09930 | .13940 | .10680 | .01400 | -.08840 | -.01380 | .01420 | -.03000 | -.05000 |
| .949 | 4.040 | .20750 | .09650 | .20020 | .11090 | .00600 | -.09020 | -.01240 | .01480 | -.04000 | -.07000 |
| .950 | 5.030 | .26980 | .09740 | .26020 | .12070 | -.00100 | -.08900 | -.01180 | .01450 | -.01000 | -.04000 |
| .950 | 6.040 | .33080 | .09540 | .31890 | .12970 | -.00750 | -.08990 | -.01170 | .01490 | -.01000 | -.04000 |
| .949 | 7.000 | .38620 | .09390 | .37190 | .14030 | -.01160 | -.09060 | -.01200 | .01530 | -.02000 | -.03000 |
| .951 | 7.960 | .44330 | .09280 | .42620 | .15330 | -.01710 | -.09090 | -.01220 | .01550 | -.02000 | -.03000 |
| .949 | 8.990 | .49720 | .08870 | .47730 | .16530 | -.02050 | -.09180 | -.01240 | .01570 | -.03000 | -.03000 |
| .948 | 9.950 | .55570 | .08870 | .53200 | .18330 | -.02680 | -.08870 | -.01370 | .01470 | -.01000 | -.02000 |
| .949 | 12.000 | .66540 | .09820 | .63250 | .22470 | -.03300 | -.08230 | -.01630 | .01200 | .00000 | -.05000 |
| .953 | 14.040 | .76470 | .08980 | .72010 | .27260 | -.03710 | -.07850 | -.01560 | .00990 | -.02000 | -.03000 |
| .948 | 16.030 | .86930 | .09220 | .81000 | .32870 | -.04170 | -.07110 | -.01720 | .00610 | -.04000 | -.02000 |
| .948 | 18.010 | .97400 | .09250 | .89770 | .38910 | -.04550 | -.06650 | -.01820 | .00350 | .00000 | -.04000 |
| .949 | 19.970 | 1.06890 | .09160 | .97330 | .45120 | -.03960 | -.05820 | -.01790 | -.00740 | -.03000 | -.02000 |
| | GRADIENT | .06279 | -.00057 | .06099 | .00084 | -.00756 | .00053 | -.00045 | -.00014 | .00119 | -.00860 |

ARC 200-1 11(LA77) OV101 (R2B124) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 209/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.930 | -.16630 | .14200 | -.16140 | .14750 | .06370 | -.08870 | -.01110 | .01500 | .02000 | .00000 |
| 1.047 | .010 | -.04000 | .14140 | -.04000 | .14140 | .04300 | -.08630 | -.01430 | .01390 | -.02000 | -.05000 |
| 1.045 | 2.030 | .09130 | .14210 | .08620 | .14520 | .02270 | -.08470 | -.01530 | .01330 | -.02000 | -.05000 |
| 1.047 | 2.990 | .15540 | .14180 | .14780 | .14970 | .01140 | -.08290 | -.01510 | .01260 | -.02000 | -.05000 |
| 1.049 | 4.020 | .22310 | .14140 | .21270 | .15670 | -.00070 | -.08180 | -.01510 | .01190 | -.03000 | -.05000 |
| 1.045 | 5.020 | .28630 | .14140 | .27280 | .16590 | -.01030 | -.08120 | -.01480 | .01170 | -.03000 | -.05000 |
| 1.047 | 6.030 | .34830 | .14030 | .33170 | .17610 | -.01900 | -.08100 | -.01430 | .01110 | -.03000 | -.05000 |
| 1.047 | 7.000 | .40280 | .13980 | .38280 | .18790 | -.02370 | -.08330 | -.01350 | .01210 | .00000 | -.03000 |
| 1.048 | 7.970 | .45880 | .13900 | .43520 | .20120 | -.02880 | -.08480 | -.01350 | .01300 | -.03000 | -.04000 |
| 1.046 | 9.000 | .51790 | .13770 | .48990 | .21700 | -.03370 | -.08620 | -.01380 | .01360 | -.03000 | -.04000 |
| 1.047 | 9.970 | .57220 | .13580 | .54010 | .23290 | -.03850 | -.08390 | -.01470 | .01260 | -.02000 | -.05000 |
| 1.044 | 12.030 | .68450 | .13380 | .64150 | .27360 | -.04490 | -.08220 | -.01560 | .01090 | -.03000 | -.04000 |
| 1.048 | 14.080 | .79790 | .13150 | .74200 | .32160 | -.05280 | -.08360 | -.01470 | .00990 | -.03000 | -.04000 |
| 1.046 | 16.060 | .90860 | .13060 | .83700 | .37690 | -.05980 | -.08570 | -.01330 | .00870 | -.04000 | -.04000 |
| 1.045 | 18.020 | 1.01340 | .13000 | .92350 | .43710 | -.06860 | -.08320 | -.01050 | .00450 | -.03000 | -.05000 |
| 1.046 | 19.980 | 1.11290 | .12860 | 1.00200 | .50120 | -.07140 | -.07700 | -.01190 | -.00090 | -.02000 | -.04000 |
| | GRADIENT | .06543 | -.00004 | .06286 | .00152 | -.01073 | .00114 | -.00064 | -.00049 | -.00702 | -.00735 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28125) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 220/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -6.330 | .25460 | .07140 | .24720 | .09370 | .00960 | .11480 | .00050 | -.00790 | -.03000 | -.03000 |
| .898 | -4.260 | .25410 | .07100 | .24690 | .09310 | .00940 | .07620 | -.00040 | -.00450 | -.03000 | -.05000 |
| .901 | -3.200 | .25450 | .07180 | .24720 | .09390 | .01010 | .05350 | -.00120 | -.00180 | -.03000 | -.06000 |
| .900 | -2.140 | .25150 | .07150 | .24420 | .09350 | .01310 | .03090 | -.00240 | .00140 | -.02000 | -.07000 |
| .901 | -1.100 | .24840 | .07260 | .24100 | .09420 | .01450 | .00930 | -.00370 | .00370 | -.02000 | -.08000 |
| .900 | -.030 | .24440 | .07230 | .23710 | .09340 | .01690 | -.01310 | -.00520 | .00600 | -.01000 | -.09000 |
| .901 | 1.000 | .24970 | .07320 | .24230 | .09500 | .01360 | -.03540 | -.00650 | .00860 | -.03000 | -.05000 |
| .901 | 2.060 | .25040 | .07380 | .24290 | .09550 | .01180 | -.05840 | -.00780 | .01180 | -.02000 | -.04000 |
| .900 | 3.100 | .24840 | .07300 | .24100 | .09460 | .01150 | -.08120 | -.00920 | .01500 | -.03000 | -.04000 |
| .899 | 4.150 | .24580 | .07290 | .23850 | .09410 | .00990 | -.10430 | -.01060 | .01820 | -.02000 | -.04000 |
| .900 | 6.230 | .24340 | .07400 | .23600 | .09500 | .00570 | -.14860 | -.01250 | .02400 | -.02000 | -.04000 |
| .900 | 8.330 | .24310 | .07470 | .23560 | .09570 | .00890 | -.19040 | -.01530 | .02990 | -.03000 | -.03000 |
| | GRADIENT | -.00083 | .00026 | -.00085 | .00017 | .00004 | -.02141 | -.00124 | .00265 | .00048 | .00300 |

RUN NO. 215/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -6.320 | .27600 | .09740 | .26620 | .12150 | .00360 | .10820 | .00580 | -.00920 | -.05000 | .01000 |
| .949 | -4.250 | .27630 | .09450 | .26700 | .11840 | -.00110 | .06820 | .00210 | -.00410 | -.05000 | -.01000 |
| .950 | -3.200 | .27870 | .09660 | .26920 | .12060 | -.00320 | .04690 | .00110 | -.00090 | -.05000 | -.02000 |
| .949 | -2.140 | .27850 | .09480 | .26910 | .11880 | -.00310 | .02820 | -.00060 | .00100 | -.07000 | -.02000 |
| .948 | -1.100 | .27550 | .09400 | .26620 | .11770 | -.00320 | .01070 | -.00240 | .00270 | -.06000 | -.03000 |
| .951 | -.020 | .27620 | .09570 | .26680 | .11940 | -.00340 | -.00840 | -.00400 | .00420 | -.06000 | -.03000 |
| .950 | 1.010 | .27840 | .09460 | .26910 | .11870 | -.00430 | -.02740 | -.00570 | .00620 | -.04000 | -.04000 |
| .949 | 2.070 | .27930 | .09750 | .26970 | .12160 | -.00410 | -.04630 | -.00750 | .00810 | -.01000 | -.05000 |
| .950 | 3.090 | .27580 | .09670 | .26620 | .12050 | -.00300 | -.06590 | -.00970 | .01070 | .00000 | -.06000 |
| .950 | 4.150 | .26880 | .09690 | .25930 | .12000 | -.00050 | -.08870 | -.01170 | .01450 | -.03000 | -.03000 |
| .949 | 6.240 | .25760 | .09780 | .24810 | .11990 | .00410 | -.13920 | -.01500 | .02330 | -.01000 | -.05000 |
| .948 | 8.340 | .25610 | .09910 | .24640 | .12110 | .00940 | -.18050 | -.01900 | .02880 | -.02000 | -.05000 |
| | GRADIENT | -.00054 | .00025 | -.00057 | .00020 | -.00000 | -.01830 | -.00166 | .00201 | .00586 | -.00429 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B125) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 210/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -6.330 | .30220 | .13910 | .28860 | .16550 | -.01310 | .08970 | .00750 | -.00100 | -.04000 | .01000 |
| 1.046 | -4.260 | .29510 | .13830 | .28170 | .16380 | -.01110 | .05280 | .00270 | .00340 | .01000 | -.05000 |
| 1.048 | -3.210 | .29460 | .13830 | .28140 | .16370 | -.01140 | .03450 | .00060 | .00510 | -.01000 | -.04000 |
| 1.048 | -2.150 | .29330 | .13860 | .28000 | .16390 | -.01030 | .01830 | -.00120 | .00600 | -.02000 | -.04000 |
| 1.046 | -1.110 | .29060 | .13840 | .27740 | .16340 | -.00950 | .00310 | -.00330 | .00660 | -.01000 | -.05000 |
| 1.047 | -.020 | .29010 | .13850 | .27680 | .16340 | -.01000 | -.01320 | -.00530 | .00690 | -.03000 | -.04000 |
| 1.046 | 1.000 | .29170 | .13930 | .27830 | .16450 | -.01050 | -.03000 | -.00750 | .00790 | -.02000 | -.04000 |
| 1.048 | 2.070 | .29140 | .13990 | .27800 | .16500 | -.01090 | -.04720 | -.00960 | .00870 | -.01000 | -.05000 |
| 1.047 | 3.100 | .29060 | .14050 | .27710 | .16550 | -.01020 | -.06320 | -.01200 | .01000 | -.01000 | -.04000 |
| 1.047 | 4.150 | .28830 | .14120 | .27480 | .16590 | -.01060 | -.08130 | -.01460 | .01150 | .00000 | -.05000 |
| 1.046 | 6.240 | .28890 | .14340 | .27510 | .16820 | -.01240 | -.12390 | -.01860 | .01740 | -.02000 | -.04000 |
| 1.048 | 8.350 | .28860 | .14430 | .27480 | .16910 | -.00640 | -.17040 | -.02380 | .02550 | -.01000 | -.06000 |
| | GRADIENT | -.00067 | .00034 | -.00069 | .00027 | .00005 | -.01574 | -.00203 | .00085 | -.00049 | -.00016 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R28126) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 216/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -6.320 | .27550 | .09560 | .26590 | .11980 | .00360 | .10940 | .00540 | -.00980 | -.04000 | -.01000 |
| .948 | -4.220 | .27940 | .09430 | .26990 | .11870 | -.00160 | .06800 | .00180 | -.00420 | -.02000 | -.03000 |
| .950 | -3.170 | .27960 | .09330 | .27030 | .11760 | -.00330 | .04720 | .00030 | -.00130 | -.01000 | -.04000 |
| .951 | -2.130 | .28200 | .09570 | .27240 | .12030 | -.00370 | .02780 | -.00060 | .00100 | .01000 | -.06000 |
| .950 | -1.090 | .27850 | .09360 | .26920 | .11770 | -.00390 | .01030 | -.00230 | .00270 | .01000 | -.06000 |
| .950 | -.020 | .27560 | .09510 | .26630 | .11880 | -.00280 | -.00820 | -.00400 | .00420 | -.10000 | -.06000 |
| .948 | 1.010 | .27610 | .09390 | .26680 | .11770 | -.00390 | -.02760 | -.00580 | .00640 | .00000 | -.06000 |
| .949 | 2.090 | .27560 | .09620 | .26620 | .11990 | -.00340 | -.04720 | -.00730 | .00850 | -.04000 | .00000 |
| .950 | 3.120 | .27440 | .09640 | .26490 | .12010 | -.00260 | - 06660 | -.00960 | .01090 | -.02000 | -.02000 |
| .951 | 4.180 | .26970 | .09870 | .26000 | .12190 | -.00040 | -.08840 | -.01210 | .01430 | -.01000 | -.03000 |
| .950 | 6.270 | .25980 | .09890 | .25020 | .12120 | .00410 | -.13920 | -.01510 | .02330 | -.02000 | -.03000 |
| .949 | 8.340 | .25690 | .10050 | .24710 | .12260 | .00970 | -.18030 | -.01940 | .02870 | -.02000 | -.04000 |
| | GRADIENT | -.00111 | .00045 | -.00112 | .00031 | .00012 | -.01833 | -.00162 | .00205 | -.00161 | .00287 |

ARC 200-1 11(LA77) OV101 (R2B127) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 238/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.930 | -.12210 | .05410 | -.12020 | .05820 | .02010 | -.01040 | -.00450 | .00570 | -.01000 | -.05000 |
| .596 | -.030 | -.03320 | .05500 | -.03320 | .05500 | .01940 | -.01040 | -.00450 | .00570 | .00000 | -.05000 |
| .596 | 1.970 | .05900 | .05200 | .05710 | .05400 | .02010 | -.01080 | -.00500 | .00550 | .00000 | -.05000 |
| .596 | 4.010 | .15610 | .04580 | .15260 | .05660 | .01890 | -.00980 | -.00490 | .00540 | .00000 | -.05000 |
| .596 | 5.950 | .25270 | .03690 | .24750 | .06290 | .01660 | -.00930 | -.00480 | .00510 | .00000 | -.05000 |
| .595 | 7.970 | .35700 | .02440 | .35010 | .07370 | .01380 | -.00900 | -.00500 | .00490 | -.02000 | -.06000 |
| .596 | 9.990 | .46210 | .01030 | .45330 | .09030 | .01270 | -.01030 | -.00500 | .00480 | .03000 | .04000 |
| .596 | 11.000 | .51340 | .00340 | .50330 | .10130 | .01370 | -.01040 | -.00500 | .00460 | -.02000 | -.07000 |
| .596 | 12.090 | .57280 | -.00370 | .56080 | .11640 | .01470 | -.01060 | -.00510 | .00470 | -.04000 | -.08000 |
| .596 | 13.090 | .63230 | -.00660 | .61740 | .13680 | .01230 | -.01320 | -.00550 | .00590 | -.04000 | -.04000 |
| .597 | 14.030 | .68070 | -.00440 | .66140 | .16070 | .01060 | -.01550 | -.00210 | .00700 | -.04000 | -.05000 |
| .597 | 15.020 | .73380 | -.00190 | .70920 | .18840 | .00860 | -.01420 | -.00190 | .00590 | -.06000 | -.07000 |
| .597 | 16.030 | .78870 | -.00040 | .75810 | .21730 | .00600 | -.01210 | -.00290 | .00470 | -.05000 | -.07000 |
| .596 | 18.000 | .90970 | .00580 | .86340 | .28660 | -.00450 | -.01290 | -.00240 | .00470 | -.04000 | -.03000 |
| .597 | 19.980 | 1.03370 | .00840 | .96860 | .36120 | -.01510 | -.01400 | -.00350 | .00550 | -.03000 | -.05000 |
| | GRADIENT | .04676 | -.00142 | .04585 | -.00028 | -.00015 | .00007 | -.00009 | -.00006 | .00149 | -.00000 |

RUN NO. 225/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.960 | -.13200 | .14770 | -.12690 | .15210 | .05350 | -.00570 | -.00280 | .00360 | .00000 | -.04000 |
| 1.197 | -.030 | -.00900 | .14810 | -.00890 | .14810 | .02510 | -.00530 | -.00260 | .00350 | -.02000 | -.05000 |
| 1.198 | 1.960 | .11080 | .14690 | .10570 | .15060 | .00160 | -.00570 | -.00250 | .00340 | -.08000 | -.05000 |
| 1.197 | 3.980 | .22930 | .14460 | .21870 | .16010 | -.01980 | -.00560 | -.00270 | .00320 | -.11000 | -.13000 |
| 1.198 | 5.990 | .34520 | .14150 | .32860 | .17670 | -.03930 | -.00560 | -.00280 | .00320 | -.02000 | -.07000 |
| 1.198 | 7.940 | .45280 | .13820 | .42940 | .19940 | -.05120 | -.00630 | -.00320 | .00310 | -.01000 | -.05000 |
| 1.197 | 10.000 | .55980 | .13280 | .52830 | .22800 | -.05660 | -.00560 | -.00380 | .00240 | .01000 | -.03000 |
| 1.199 | 10.990 | .61460 | .13090 | .57830 | .24560 | -.06070 | -.00670 | -.00280 | .00270 | -.03000 | -.09000 |
| 1.198 | 11.970 | .66790 | .13010 | .62640 | .26580 | -.06400 | -.00490 | -.00310 | .00240 | -.02000 | -.09000 |
| 1.196 | 12.970 | .72490 | .13050 | .67710 | .28980 | -.06760 | -.00550 | -.00330 | .00240 | -.04000 | -.06000 |
| 1.200 | 13.990 | .78130 | .13180 | .72630 | .31670 | -.07380 | -.00570 | -.00310 | .00260 | -.02000 | -.06000 |
| 1.198 | 14.990 | .83640 | .13260 | .77360 | .34440 | -.07820 | -.00510 | -.00350 | .00240 | .02000 | -.02000 |
| 1.198 | 16.010 | .89280 | .13350 | .82140 | .37470 | -.08300 | -.00590 | -.00340 | .00260 | -.03000 | -.03000 |
| 1.196 | 18.010 | 1.00020 | .13360 | .90990 | .43630 | -.09110 | -.00700 | -.00310 | .00300 | -.09000 | -.13000 |
| 1.198 | 19.970 | 1.09150 | .13290 | .98050 | .49770 | -.09320 | -.00790 | -.00270 | .00270 | -.03000 | -.05000 |
| | GRADIENT | .06075 | -.00053 | .05811 | .00135 | -.01228 | -.00001 | .00002 | -.00007 | -.01970 | -.01370 |

ARC 200-1 11(LA77) OV101 (R2B128) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 239/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -1.930 | -.11910 | .05270 | -.11720 | .05660 | .01560 | -.08760 | -.00670 | .01310 | -.02000 | -.04000 |
| .597 | .050 | -.02860 | .05400 | -.02860 | .05400 | .01500 | -.08690 | -.00800 | .01290 | -.02000 | -.04000 |
| .597 | 2.040 | .06170 | .05150 | .05980 | .05370 | .01520 | -.08640 | -.00940 | .01250 | -.02000 | -.03000 |
| .597 | 4.000 | .15700 | .04610 | .15350 | .05690 | .01440 | -.08520 | -.01010 | .01170 | -.03000 | -.03000 |
| .597 | 6.000 | .25820 | .03710 | .25290 | .06390 | .01280 | -.08370 | -.01090 | .01110 | -.07000 | -.03000 |
| .597 | 7.990 | .36360 | .02520 | .35660 | .07550 | .00970 | -.08440 | -.01320 | .01150 | -.03000 | -.08000 |
| .598 | 10.010 | .47010 | .01060 | .46110 | .09220 | .00840 | -.08380 | -.01600 | .01170 | -.03000 | -.09000 |
| .597 | 11.040 | .52490 | .00350 | .51450 | .10390 | .00770 | -.08370 | -.01720 | .01160 | -.01000 | -.04000 |
| .596 | 12.080 | .58190 | -.00370 | .56980 | .11620 | .00760 | -.08280 | -.01740 | .01120 | -.02000 | -.05000 |
| .597 | 13.060 | .63820 | -.00880 | .62360 | .13560 | .00610 | -.08250 | -.01690 | .01090 | -.03000 | -.04000 |
| .597 | 14.040 | .69170 | -.00400 | .67200 | .16400 | .00160 | -.08490 | -.01310 | .01190 | -.02000 | -.08000 |
| .596 | 15.040 | .74380 | -.00120 | .71870 | .19180 | -.00050 | -.08600 | -.01170 | .01220 | -.01000 | -.08000 |
| .597 | 16.060 | .79720 | .00140 | .76570 | .22190 | -.00290 | -.08710 | -.01050 | .01250 | -.04000 | -.06000 |
| .597 | 18.010 | .89620 | -.00010 | .85230 | .27710 | -.00140 | -.08810 | -.01260 | .01290 | -.03000 | -.09000 |
| .597 | 19.930 | 1.01910 | .00470 | .95620 | .35270 | -.01360 | -.09270 | -.01240 | .01420 | -.03000 | -.08000 |
| | GRADIENT | .04644 | -.00113 | .04552 | .00003 | -.00017 | .00039 | -.00059 | -.00023 | -.00151 | .00202 |

RUN NO. 226/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -1.940 | -.13730 | .14830 | -.13220 | .15280 | .05360 | -.07760 | -.00830 | .00870 | -.02000 | -.05000 |
| 1.198 | .030 | -.01420 | .14790 | -.01430 | .14790 | .02610 | -.07520 | -.00880 | .00810 | -.09000 | .01000 |
| 1.197 | 2.030 | .10800 | .14710 | .10280 | .15080 | .00130 | -.07350 | -.00930 | .00710 | -.01000 | -.12000 |
| 1.197 | 4.000 | .22500 | .14530 | .21440 | .16060 | -.01980 | -.07100 | -.00980 | .00580 | -.13000 | -.03000 |
| 1.197 | 6.020 | .34400 | .14340 | .32700 | .17870 | -.03780 | -.06800 | -.01030 | .00440 | -.05000 | -.04000 |
| 1.196 | 7.980 | .45120 | .14030 | .42740 | .20160 | -.04860 | -.07040 | -.01000 | .00540 | -.21000 | -.24000 |
| 1.197 | 10.010 | .56460 | .13670 | .53220 | .23270 | -.05790 | -.06850 | -.01160 | .00420 | -.04000 | -.02000 |
| 1.196 | 11.020 | .61910 | .13560 | .58180 | .25140 | -.06180 | -.06780 | -.01200 | .00370 | .02000 | -.08000 |
| 1.196 | 12.020 | .67080 | .13480 | .62800 | .27160 | -.06420 | -.07040 | -.01080 | .00390 | -.13000 | -.05000 |
| 1.197 | 13.040 | .72880 | .13430 | .67970 | .29520 | -.06970 | -.07110 | -.01010 | .00340 | -.08000 | -.08000 |
| 1.197 | 14.060 | .78980 | .13450 | .73350 | .32230 | -.07750 | -.07160 | -.00790 | .00280 | -.02000 | .01000 |
| 1.197 | 15.050 | .84400 | .13470 | .78010 | .34920 | -.08190 | -.07090 | -.00760 | .00160 | -.11000 | -.04000 |
| 1.196 | 16.060 | .89720 | .13440 | .82510 | .37730 | -.08490 | -.07060 | -.00780 | .00040 | -.01000 | -.06000 |
| 1.197 | 18.020 | .99280 | .13180 | .90340 | .43230 | -.08850 | -.06830 | -.00890 | -.00290 | -.05000 | -.05000 |
| 1.196 | 20.000 | 1.08510 | .12970 | .97530 | .49290 | -.09090 | -.06680 | -.00950 | -.00600 | .00000 | -.01000 |
| | GRADIENT | .06100 | -.00049 | .05837 | .00133 | -.01236 | .00108 | -.00025 | -.00049 | -.01256 | -.00359 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B129) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 227/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -6.320 | .29550 | .14150 | .28180 | .16720 | -.03060 | .09340 | .00830 | -.00140 | .01000 | .02000 |
| 1.196 | -4.250 | .29090 | .14270 | .27720 | .16770 | -.03050 | .05860 | .00440 | .00080 | -.07000 | -.07000 |
| 1.197 | -3.200 | .29130 | .14340 | .27760 | .16850 | -.03130 | .04240 | .00250 | .00160 | -.02000 | -.02000 |
| 1.197 | -2.150 | .29150 | .14290 | .27780 | .16800 | -.03050 | .02590 | .00100 | .00240 | -.03000 | -.02000 |
| 1.195 | -1.100 | .28890 | .14260 | .27540 | .16730 | -.02980 | .01060 | -.00080 | .00270 | -.03000 | -.02000 |
| 1.197 | -.030 | .28760 | .14270 | .27410 | .16730 | -.02950 | -.00570 | -.00270 | .00310 | -.02000 | -.01000 |
| 1.195 | 1.000 | .28980 | .14340 | .27610 | .16830 | -.03040 | -.02120 | -.00450 | .00350 | -.03000 | -.01000 |
| 1.196 | 2.060 | .28960 | .14330 | .27590 | .16820 | -.03060 | -.03730 | -.00620 | .00390 | -.03000 | -.01000 |
| 1.196 | 3.100 | .28960 | .14440 | .27580 | .16930 | -.03060 | -.05360 | -.00820 | .00440 | -.02000 | -.01000 |
| 1.195 | 4.150 | .28690 | .14450 | .27310 | .16920 | -.03000 | -.06940 | -.01010 | .00490 | -.02000 | -.01000 |
| 1.197 | 6.240 | .28460 | .14410 | .27090 | .16850 | -.03030 | -.10640 | -.01330 | .00770 | -.02000 | -.03000 |
| 1.196 | 8.340 | .28930 | .14430 | .27550 | .16930 | -.02790 | -.14170 | -.01730 | .01010 | -.02000 | -.07000 |
| | GRADIENT | -.00038 | .00019 | -.00040 | .00016 | .00005 | -.01520 | -.00172 | .00045 | .00318 | .00476 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B130) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 240/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -6.090 | .48310 | .00890 | .47410 | .09310 | .00610 | .09560 | .01030 | -.00520 | -.03000 | -.05000 |
| .597 | -4.080 | .47740 | .00880 | .46860 | .09200 | .00850 | .05850 | .00500 | -.00100 | -.03000 | -.04000 |
| .597 | -3.060 | .47210 | .00920 | .46320 | .09130 | .01040 | .03980 | .00270 | .00050 | -.02000 | -.04000 |
| .598 | -2.050 | .46660 | .00970 | .45780 | .09080 | .01190 | .02210 | .00040 | .00200 | -.02000 | -.04000 |
| .597 | -1.030 | .46680 | .01020 | .45790 | .09130 | .01250 | .00570 | -.00250 | .00350 | -.02000 | -.04000 |
| .596 | -.030 | .46560 | .01050 | .45660 | .09130 | .01250 | -.01100 | -.00510 | .00500 | -.02000 | -.04000 |
| .598 | .980 | .46490 | .01060 | .45590 | .09140 | .01180 | -.02760 | -.00710 | .00660 | -.02000 | -.04000 |
| .597 | 2.020 | .46750 | .01060 | .45850 | .09200 | .01130 | -.04610 | -.00970 | .00810 | -.01000 | -.05000 |
| .597 | 3.070 | .46840 | .01070 | .45930 | .09240 | .01060 | -.06320 | -.01220 | .00940 | .00000 | -.04000 |
| .597 | 4.100 | .46700 | .01090 | .45790 | .09220 | .00900 | -.08260 | -.01550 | .01160 | .00000 | -.05000 |
| .597 | 6.180 | .46790 | .01110 | .45890 | .09250 | .00510 | -.12260 | -.01900 | .01510 | .01000 | -.05000 |
| .597 | 8.240 | .47660 | .01010 | .46750 | .09310 | .00580 | -.16070 | -.02290 | .01930 | .00000 | -.06000 |
| | GRADIENT | -.00086 | .00025 | -.00089 | .00011 | .00001 | -.01703 | -.00247 | .00151 | .00327 | -.00098 |

ARC 200-1 11(LA77) OV101 (R2B131) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 235/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -1.940 | -.14040 | .07140 | -.13790 | .07620 | .03350 | -.00200 | -.00080 | .00130 | -.04000 | -.06000 |
| .899 | -.010 | -.02720 | .07350 | -.02720 | .07350 | .02510 | -.00220 | -.00110 | .00130 | -.03000 | -.05000 |
| .901 | 1.980 | .08460 | .07210 | .08230 | .07500 | .01940 | -.00250 | -.00180 | .00140 | -.03000 | -.05000 |
| .897 | 2.970 | .13710 | .07080 | .13330 | .07780 | .01760 | -.00280 | -.00200 | .00140 | -.03000 | -.05000 |
| .900 | 3.930 | .19060 | .07080 | .18530 | .08370 | .01480 | -.00260 | -.00240 | .00120 | -.03000 | -.05000 |
| .898 | 4.940 | .24000 | .06910 | .23320 | .08950 | .01460 | -.00290 | -.00270 | .00130 | -.01000 | -.06000 |
| .899 | 5.980 | .29330 | .06870 | .28460 | .09880 | .01170 | -.00300 | -.00270 | .00100 | -.02000 | -.04000 |
| .897 | 7.030 | .34420 | .06780 | .33330 | .10950 | .01160 | -.00420 | -.00200 | .00130 | -.03000 | -.03000 |
| .901 | 7.990 | .39240 | .06740 | .37920 | .12120 | .00980 | -.00390 | -.00220 | .00120 | -.04000 | -.03000 |
| .897 | 8.970 | .43660 | .06510 | .42110 | .13240 | .01110 | -.00430 | -.00320 | .00140 | -.04000 | -.03000 |
| .899 | 10.010 | .49300 | .06590 | .47400 | .15060 | .00720 | -.00520 | -.00290 | .00150 | -.05000 | -.04000 |
| .898 | 11.990 | .58310 | .06670 | .55650 | .18630 | .00500 | -.00560 | -.00170 | .00110 | -.01000 | -.03000 |
| .900 | 14.010 | .68930 | .07020 | .65180 | .23500 | -.00390 | -.00360 | -.00100 | -.00020 | .00000 | -.05000 |
| .899 | 16.000 | .78880 | .07140 | .73860 | .28610 | -.01220 | -.00660 | -.00080 | .00020 | -.02000 | -.03000 |
| .899 | 18.010 | .89260 | .07210 | .82660 | .34450 | -.01420 | -.00810 | -.00090 | .00010 | -.07000 | -.07000 |
| .900 | 19.960 | .98300 | .07390 | .89880 | .40500 | -.00830 | -.00880 | .00020 | -.00030 | -.06000 | -.04000 |
| | GRADIENT | .05546 | -.00039 | .05412 | .00186 | -.00279 | -.00013 | -.00028 | -.00000 | .00299 | .00029 |

RUN NO. 231/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.930 | -.15720 | .09720 | -.15390 | .10240 | .04940 | -.00040 | -.00130 | .00060 | .00000 | -.05000 |
| .949 | .080 | -.03200 | .09730 | -.03210 | .09730 | .03510 | .00010 | -.00140 | .00040 | .01000 | -.04000 |
| .949 | 1.980 | .08870 | .09430 | .08540 | .09730 | .01770 | .00010 | -.00140 | .00010 | -.02000 | -.07000 |
| .948 | 2.980 | .15150 | .09380 | .14640 | .10150 | .00950 | .00010 | -.00160 | .00000 | -.02000 | -.07000 |
| .947 | 3.950 | .21220 | .09290 | .20530 | .10730 | .00190 | .00020 | -.00180 | .00000 | -.03000 | -.08000 |
| .949 | 5.020 | .27700 | .09270 | .26790 | .11660 | -.00500 | .00050 | -.00190 | .00000 | -.05000 | -.10000 |
| .949 | 5.960 | .33180 | .09040 | .32070 | .12430 | -.01080 | .00070 | -.00170 | -.00010 | -.03000 | -.07000 |
| .947 | 7.000 | .38620 | .08530 | .37300 | .13170 | -.01450 | -.00200 | -.00200 | .00040 | -.04000 | -.06000 |
| .946 | 7.960 | .44120 | .08570 | .42510 | .14600 | -.01810 | -.00080 | -.00210 | -.00030 | -.04000 | -.13000 |
| .947 | 8.960 | .49340 | .08460 | .47420 | .16040 | -.02000 | -.00220 | -.00210 | -.00100 | -.08000 | -.05000 |
| .947 | 9.990 | .55650 | .08570 | .53320 | .18100 | -.02660 | -.00260 | -.00160 | -.00180 | -.05000 | -.07000 |
| .947 | 11.990 | .65540 | .08740 | .62300 | .22160 | -.03050 | -.00280 | -.00160 | -.00290 | .01000 | -.03000 |
| .949 | 14.000 | .75590 | .09080 | .71150 | .27100 | -.03520 | -.00510 | .00050 | -.00390 | -.04000 | -.02000 |
| .947 | 15.990 | .86130 | .09100 | .80290 | .32480 | -.04170 | -.00420 | .00080 | -.00570 | -.02000 | -.03000 |
| .948 | 18.000 | .98100 | .09350 | .90410 | .39200 | -.04740 | .00340 | -.00150 | .00180 | .02000 | -.03000 |
| .949 | 20.000 | 1.07580 | .09360 | .97890 | .45590 | -.04130 | -.00380 | .00230 | -.00060 | -.04000 | -.06000 |
| | GRADIENT | .06291 | -.00081 | .06118 | .00067 | -.00821 | .00009 | -.00008 | -.00011 | -.00596 | -.00596 |

ARC 200-1 11(LA77) OV101 (R28131) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 228/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.930 | -.16580 | .13690 | -.16110 | .14240 | .06690 | -.00470 | -.00290 | .00370 | -.10000 | -.05000 |
| 1.046 | .000 | -.03620 | .13590 | -.03620 | .13590 | .04530 | -.00500 | -.00320 | .00330 | -.04000 | -.07000 |
| 1.047 | 2.010 | .09670 | .13670 | .09190 | .14000 | .02260 | -.00440 | -.00300 | .00320 | -.06000 | -.10000 |
| 1.046 | 3.000 | .16400 | .13740 | .15660 | .14580 | .00980 | -.00450 | -.00310 | .00300 | .02000 | -.06000 |
| 1.046 | 3.980 | .22680 | .13740 | .21670 | .15280 | -.00120 | -.00440 | -.00310 | .00280 | -.02000 | -.05000 |
| 1.045 | 4.990 | .28890 | .13640 | .27600 | .16100 | -.01110 | -.00410 | -.00290 | .00270 | -.02000 | -.02000 |
| 1.047 | 6.020 | .35120 | .13490 | .33510 | .17100 | -.01990 | -.00370 | -.00290 | .00230 | -.11000 | .02000 |
| 1.046 | 6.970 | .40500 | .13330 | .38580 | .18140 | -.02630 | -.00370 | -.00260 | .00230 | .00000 | -.06000 |
| 1.048 | 7.930 | .45790 | .13210 | .43530 | .19390 | -.03140 | -.00360 | -.00270 | .00200 | -.01000 | -.05000 |
| 1.047 | 9.020 | .51610 | .12990 | .48940 | .20910 | -.03490 | -.00400 | -.00290 | .00170 | -.07000 | -.01000 |
| 1.046 | 9.940 | .57040 | .12890 | .53960 | .22540 | -.03980 | -.00350 | -.00270 | .00160 | -.01000 | -.02000 |
| 1.046 | 12.030 | .68340 | .12870 | .64160 | .26820 | -.04600 | -.00220 | -.00260 | .00130 | -.03000 | -.05000 |
| 1.047 | 14.020 | .79130 | .13010 | .73630 | .31790 | -.05210 | -.00380 | -.00230 | .00200 | -.07000 | -.04000 |
| 1.047 | 16.020 | .90470 | .13090 | .83350 | .37550 | -.06060 | -.00380 | -.00390 | .00180 | -.04000 | -.05000 |
| 1.047 | 17.980 | 1.02850 | .13120 | .93780 | .44230 | -.07640 | -.00770 | -.00120 | .00290 | .00000 | -.11000 |
| 1.047 | 19.990 | 1.14730 | .13150 | 1.03320 | .51580 | -.08880 | -.00840 | -.00240 | .00240 | -.06000 | -.06000 |
| | GRADIENT | .00597 | .00006 | .06344 | .00277 | -.01141 | .00010 | .00000 | -.00014 | .01186 | .00359 |

ARC 200-1 II(LA77) OV101 (R2B132) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 236/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.930 | -.14480 | .07070 | -.14230 | .07560 | .02870 | -.09380 | -.00200 | .01390 | -.01000 | -.04000 |
| .899 | .000 | -.03310 | .07280 | -.03310 | .07280 | .02140 | -.09370 | -.00420 | .01390 | .01000 | -.03000 |
| .899 | 1.960 | .07650 | .07140 | .07400 | .07390 | .01620 | -.09240 | -.00600 | .01340 | -.02000 | -.06000 |
| .897 | 3.000 | .13440 | .07010 | .13060 | .07710 | .01320 | -.09240 | -.00630 | .01310 | -.02000 | -.06000 |
| .899 | 3.980 | .18930 | .07080 | .18390 | .08380 | .00960 | -.09270 | -.00720 | .01300 | -.03000 | -.06000 |
| .898 | 4.990 | .24050 | .06830 | .23360 | .08890 | .00890 | -.09220 | -.00760 | .01250 | -.04000 | -.06000 |
| .899 | 5.960 | .29470 | .06880 | .28590 | .09900 | .00650 | -.09260 | -.00870 | .01180 | -.03000 | -.05000 |
| .899 | 7.050 | .34670 | .06640 | .33600 | .10840 | .00670 | -.09130 | -.01010 | .01080 | -.03000 | -.03000 |
| .899 | 8.020 | .39730 | .06530 | .38430 | .12010 | .00520 | -.09130 | -.01020 | .01040 | -.04000 | -.05000 |
| .900 | 9.010 | .44390 | .06640 | .42800 | .13510 | .00560 | -.09130 | -.01060 | .00990 | -.03000 | -.05000 |
| .899 | 10.010 | .49290 | .06600 | .47390 | .15070 | .00330 | -.08960 | -.01190 | .00900 | -.04000 | -.06000 |
| .898 | 12.030 | .58960 | .06540 | .56300 | .18690 | .00020 | -.08860 | -.01130 | .00730 | -.04000 | -.05000 |
| .898 | 14.060 | .69530 | .06880 | .65780 | .23560 | -.00960 | -.08600 | -.01030 | .00310 | .02000 | -.05000 |
| .898 | 16.090 | .79690 | .06930 | .74650 | .28740 | -.01620 | -.08320 | -.00940 | -.00180 | -.02000 | -.06000 |
| .898 | 18.120 | .90080 | .06900 | .83460 | .34580 | -.01710 | -.08460 | -.00860 | -.00560 | -.05000 | -.03000 |
| .897 | 20.010 | .97930 | .06810 | .89680 | .39910 | -.00770 | -.08030 | -.01000 | -.01030 | .01000 | -.04000 |
| | GRADIENT | .05586 | -.00035 | .05451 | .00190 | -.00292 | .00024 | -.00080 | -.00020 | -.00537 | -.00416 |

RUN NO. 232/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.970 | -.16510 | .09590 | -.16170 | .10150 | .04670 | -.08200 | -.00670 | .00990 | -.02000 | -.08000 |
| .947 | .080 | -.03680 | .09620 | -.03700 | .09620 | .03290 | -.07970 | -.00950 | .00960 | -.02000 | -.09000 |
| .949 | 2.000 | .08090 | .09690 | .07750 | .09960 | .02070 | -.07840 | -.01080 | .00930 | -.01000 | -.09000 |
| .946 | 2.990 | .14440 | .09260 | .13940 | .10000 | .01050 | -.08050 | -.00980 | .00980 | -.03000 | -.09000 |
| .946 | 3.950 | .20360 | .09330 | .19670 | .10710 | .00470 | -.07970 | -.00930 | .00950 | -.02000 | -.07000 |
| .949 | 4.990 | .26760 | .09390 | .25840 | .11680 | -.00200 | -.07840 | -.00920 | .00910 | -.01000 | -.07000 |
| .947 | 5.970 | .32470 | .09060 | .31350 | .12390 | -.00770 | -.08020 | -.00930 | .00950 | -.04000 | -.05000 |
| .949 | 7.000 | .38310 | .08860 | .36950 | .13460 | -.01230 | -.08110 | -.00920 | .01000 | -.04000 | -.06000 |
| .948 | 7.980 | .43260 | .08510 | .41660 | .14430 | -.01440 | -.08340 | -.00880 | .00980 | -.07000 | -.06000 |
| .948 | 8.990 | .49480 | .08560 | .47540 | .16190 | -.02070 | -.07850 | -.01070 | .00910 | -.01000 | -.06000 |
| .949 | 9.990 | .54470 | .08370 | .52190 | .17700 | -.02360 | -.07550 | -.01120 | .00300 | -.06000 | -.05000 |
| .948 | 12.030 | .65500 | .08400 | .62310 | .21870 | -.02940 | -.07090 | -.01290 | .00640 | -.08000 | -.04000 |
| .947 | 14.020 | .75790 | .08630 | .71440 | .26740 | -.03620 | -.06790 | -.01170 | .00410 | -.01000 | -.08000 |
| .949 | 16.070 | .87000 | .08940 | .81130 | .32680 | -.04390 | -.05930 | -.01280 | -.00030 | -.06000 | -.08000 |
| .949 | 18.070 | .97620 | .08920 | .90040 | .38750 | -.04690 | -.05340 | -.01450 | -.00270 | -.05000 | -.05000 |
| .947 | 20.060 | 1.07480 | .08920 | .97900 | .45240 | -.04080 | -.04770 | -.01510 | -.01230 | -.05000 | -.06000 |
| | GRADIENT | .06219 | -.00045 | .06042 | .00197 | -.00711 | .00037 | -.00031 | -.00008 | .00060 | .00177 |

ARC 200-1 11(LA77) OV101 (R2B132) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 229/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.930 | -.16710 | .13920 | -.16230 | .14480 | .06260 | -.07930 | -.00810 | .00960 | -.05000 | -.03000 |
| 1.045 | .000 | -.03990 | .13860 | -.03990 | .13860 | .04130 | -.07780 | -.01110 | .00890 | -.03000 | -.03000 |
| 1.048 | 2.020 | .09330 | .13850 | .08840 | .14170 | .02080 | -.07520 | -.01220 | .00800 | -.03000 | -.04000 |
| 1.047 | 3.070 | .16200 | .13860 | .15440 | .14710 | .00890 | -.07340 | -.01220 | .00740 | .01000 | -.07000 |
| 1.048 | 3.980 | .22210 | .13840 | .21190 | .15350 | -.00160 | -.07270 | -.01200 | .00690 | -.03000 | -.02000 |
| 1.048 | 4.960 | .28460 | .13790 | .27160 | .16200 | -.01180 | -.07160 | -.01210 | .00620 | -.03000 | -.08000 |
| 1.046 | 6.020 | .34860 | .13750 | .33220 | .17330 | -.02020 | -.07180 | -.01160 | .00630 | -.05000 | -.05000 |
| 1.048 | 6.970 | .40150 | .13650 | .38190 | .18420 | -.02510 | -.07310 | -.01100 | .00670 | -.07000 | -.04000 |
| 1.049 | 8.000 | .46010 | .13530 | .43680 | .19810 | -.03040 | -.07480 | -.01080 | .00740 | -.04000 | -.04000 |
| 1.048 | 9.040 | .51880 | .13350 | .49140 | .21330 | -.03520 | -.07500 | -.01170 | .00730 | -.03000 | -.06000 |
| 1.045 | 10.010 | .57280 | .13260 | .54110 | .23010 | -.03960 | -.07330 | -.01240 | .00680 | -.04000 | -.04000 |
| 1.046 | 12.120 | .68670 | .13120 | .64380 | .27240 | -.04690 | -.07200 | -.01270 | .00540 | -.02000 | -.07000 |
| 1.045 | 14.170 | .80130 | .12980 | .74510 | .32200 | -.05360 | -.07520 | -.01210 | .00540 | -.03000 | -.05000 |
| 1.044 | 16.160 | .91280 | .12880 | .84090 | .37770 | -.06070 | -.07770 | -.01070 | .00450 | -.02000 | -.06000 |
| 1.047 | 18.010 | 1.01430 | .12850 | .92490 | .43580 | -.06970 | -.07480 | -.00840 | .00070 | .01000 | -.07000 |
| 1.048 | 20.030 | 1.11890 | .12720 | 1.00770 | .50270 | -.07330 | -.06970 | -.01000 | -.00460 | -.05000 | -.03000 |
| | GRADIENT | .06566 | -.00014 | .06310 | .00248 | -.01078 | .00117 | -.00053 | -.00049 | .00364 | -.00510 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B133) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 237/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.330 | .25070 | .06840 | .24370 | .09030 | .00790 | .11980 | .00240 | -.01040 | -.01000 | -.05000 |
| .898 | -4.250 | .24980 | .06750 | .24290 | .08920 | .00840 | .08370 | .00110 | -.00820 | .00000 | -.07000 |
| .900 | -3.210 | .24760 | .06780 | .24070 | .08930 | .00960 | .06250 | .00040 | -.00620 | -.01000 | -.05000 |
| .898 | -2.150 | .24720 | .06780 | .24030 | .08930 | .01260 | .04040 | -.00060 | -.00310 | -.01000 | -.06000 |
| .899 | -1.100 | .24510 | .06960 | .23800 | .09080 | .01380 | .01810 | -.00130 | -.00060 | -.02000 | -.06000 |
| .897 | -.020 | .24360 | .06950 | .23650 | .09060 | .01440 | -.00320 | -.00260 | .00120 | -.01000 | -.07000 |
| .898 | 1.010 | .24920 | .06970 | .24210 | .09150 | .01160 | -.02480 | -.00390 | .00360 | -.01000 | -.08000 |
| .897 | 2.070 | .24770 | .06870 | .24070 | .09020 | .01100 | -.04790 | -.00500 | .00660 | -.01000 | -.10000 |
| .899 | 3.080 | .25150 | .06990 | .24440 | .09180 | .00860 | -.07020 | -.00640 | .00980 | -.05000 | -.07000 |
| .897 | 4.170 | .24630 | .06900 | .23930 | .09030 | .00800 | -.09230 | -.00770 | .01230 | -.03000 | -.04000 |
| .900 | 6.250 | .24530 | .07110 | .23820 | .09230 | .00370 | -.13590 | -.00930 | .01770 | -.03000 | -.06000 |
| .898 | 8.340 | .24400 | .07090 | .23680 | .09200 | .00660 | -.17770 | -.01190 | .02370 | -.03000 | -.06000 |
| | GRADIENT | .00004 | .00022 | .00002 | .00023 | -.00016 | -.02094 | -.00106 | .00243 | -.00363 | -.00064 |

RUN NO. 233/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -6.320 | .27300 | .09320 | .26370 | .11690 | .00250 | .11520 | .00630 | -.01210 | -.02000 | -.04000 |
| .948 | -4.240 | .27390 | .09180 | .26460 | .11540 | -.00250 | .07510 | .00360 | -.00740 | -.02000 | -.08000 |
| .948 | -3.190 | .27610 | .09330 | .26690 | .11710 | -.00390 | .05340 | .00220 | -.00430 | -.09000 | -.15000 |
| .950 | -2.140 | .27680 | .09390 | .26750 | .11770 | -.00390 | .03540 | .00120 | -.00230 | -.03000 | -.10000 |
| .949 | -1.090 | .27570 | .09350 | .26650 | .11720 | -.00390 | .01810 | -.00020 | -.00120 | -.06000 | -.12000 |
| .946 | -.010 | .27450 | .09130 | .26550 | .11480 | -.00460 | .00010 | -.00180 | .00000 | -.02000 | -.06000 |
| .949 | 1.010 | .27690 | .09290 | .26770 | .11680 | -.00500 | -.01750 | -.00320 | .00130 | -.01000 | -.06000 |
| .945 | 2.070 | .27630 | .09040 | .26740 | .11420 | -.00570 | -.03780 | -.00500 | .00370 | .01000 | -.08000 |
| .948 | 3.080 | .27590 | .09410 | .26660 | .11800 | -.00410 | -.05510 | -.00700 | .00560 | -.03000 | -.04000 |
| .949 | 4.140 | .26790 | .09200 | .25880 | .11510 | -.00220 | -.07890 | -.00880 | .00950 | -.02000 | -.06000 |
| .949 | 6.240 | .26200 | .09420 | .25280 | .11670 | .00030 | -.12610 | -.01250 | .01700 | -.02000 | -.03000 |
| .946 | 8.340 | .25620 | .09450 | .24700 | .11650 | .00710 | -.16910 | -.01620 | .02320 | -.04000 | -.04000 |
| | GRADIENT | -.00039 | -.00007 | -.00038 | -.00010 | -.00007 | -.01787 | -.00147 | .00178 | .00495 | .00812 |

ARC 200-1 II(LA77) OV101 - TO + BETA (R2B133) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 230/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -6.330 | .30220 | .13700 | .28880 | .16330 | -.01440 | .09880 | .01000 | -.00530 | -.03000 | -.04000 |
| 1.047 | -4.260 | .29520 | .13600 | .28210 | .16140 | -.01320 | .06100 | .00530 | -.00080 | -.03000 | -.06000 |
| 1.046 | -3.210 | .29360 | .13620 | .28050 | .16150 | -.01270 | .04310 | .00320 | .00060 | -.04000 | -.07000 |
| 1.047 | -2.150 | .29360 | .13630 | .28040 | .16150 | -.01190 | .02700 | .00120 | .00170 | -.06000 | -.05000 |
| 1.047 | -1.100 | .29150 | .13640 | .27850 | .16130 | -.01160 | .01130 | -.00080 | .00220 | .00000 | -.06000 |
| 1.046 | -.010 | .29100 | .13640 | .27790 | .16130 | -.01170 | -.00530 | -.00320 | .00270 | .00000 | -.07000 |
| 1.046 | 1.010 | .29090 | .13660 | .27780 | .16160 | -.01160 | -.02100 | -.00520 | .00340 | .01000 | -.07000 |
| 1.047 | 2.080 | .29060 | .13690 | .27750 | .16180 | -.01220 | -.03810 | -.00710 | .00410 | -.04000 | -.03000 |
| 1.045 | 3.110 | .28900 | .13750 | .27580 | .16230 | -.01140 | -.05450 | -.00960 | .00520 | -.03000 | -.03000 |
| 1.047 | 4.160 | .28720 | .13770 | .27410 | .16230 | -.01230 | -.07150 | -.01210 | .00640 | -.03000 | -.04000 |
| 1.047 | 6.260 | .28790 | .13940 | .27460 | .16400 | -.01490 | -.11180 | -.01580 | .01110 | -.03000 | -.04000 |
| 1.047 | 8.360 | .28860 | .14090 | .27510 | .16570 | -.00910 | -.15930 | -.02090 | .01960 | -.05000 | -.05000 |
| | GRADIENT | -.00083 | .00019 | -.00083 | .00011 | .00011 | -.01559 | -.00204 | .00077 | .00128 | .00363 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B134) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 234/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -6.320 | .27480 | .09290 | .26550 | .11690 | .00200 | .11530 | .00630 | -.01210 | -.05000 | -.07000 |
| .947 | -4.230 | .27710 | .09200 | .26790 | .11600 | -.00270 | .07440 | .00360 | -.00720 | -.02000 | -.03000 |
| .949 | -3.180 | .27850 | .09120 | .26940 | .11530 | -.00450 | .05430 | .00230 | -.00470 | -.03000 | -.05000 |
| .946 | -2.130 | .28150 | .09240 | .27220 | .11680 | -.00440 | .03580 | .00090 | -.00250 | -.03000 | -.06000 |
| .949 | -1.090 | .27900 | .09360 | .26970 | .11770 | -.00430 | .01800 | -.00020 | -.00110 | -.01000 | -.05000 |
| .947 | -.020 | .27690 | .09320 | .26780 | .11690 | -.00430 | .00020 | -.00180 | -.00010 | -.02000 | -.05000 |
| .946 | 1.010 | .27330 | .08990 | .26440 | .11330 | -.00490 | -.01850 | -.00340 | .00170 | .00000 | -.03000 |
| .946 | 2.100 | .27280 | .09100 | .26390 | .11430 | -.00460 | -.03740 | -.00480 | .00370 | -.04000 | -.01000 |
| .948 | 3.130 | .27300 | .09140 | .26400 | .11480 | -.00380 | -.05730 | -.00680 | .00620 | -.03000 | -.03000 |
| .948 | 4.190 | .26740 | .09330 | .25830 | .11630 | -.00180 | -.07890 | -.00900 | .00930 | -.02000 | -.05000 |
| .948 | 6.280 | .26010 | .09360 | .25100 | .11590 | .00070 | -.12660 | -.01260 | .01710 | -.03000 | -.05000 |
| .947 | 8.340 | .25790 | .09540 | .24860 | .11750 | .00710 | -.16890 | -.01640 | .02310 | -.05000 | -.05000 |
| | GRADIENT | -.00124 | -.00001 | -.00121 | -.00015 | .00007 | -.01790 | -.00146 | .00180 | -.00017 | .00159 |

ARC 200-1 11(LA77) OV101 (R2B135) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 253/ 0 RN/L = 6.91 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .595 | -2.010 | -.15020 | .08480 | -.14720 | .09000 | .05360 | -.01510 | -.00500 | .00750 | -.02000 | -.06000 |
| .594 | .060 | -.05480 | .08570 | -.05490 | .08570 | .05230 | -.01450 | -.00520 | .00710 | -.02000 | -.05000 |
| .596 | 2.030 | .03840 | .08260 | .03550 | .08390 | .05250 | -.01380 | -.00540 | .00690 | -.01000 | -.05000 |
| .595 | 4.010 | .13210 | .07630 | .12650 | .08530 | .05130 | -.01340 | -.00550 | .00660 | -.01000 | -.05000 |
| .596 | 5.960 | .22840 | .06700 | .22020 | .09040 | .04890 | -.01320 | -.00530 | .00630 | -.02000 | -.06000 |
| .597 | 7.990 | .33100 | .05440 | .32020 | .09980 | .04570 | -.01340 | -.00530 | .00620 | -.03000 | -.05000 |
| .597 | 10.010 | .43990 | .03990 | .42620 | .11570 | .04290 | -.01420 | -.00540 | .00600 | .01000 | -.08000 |
| .597 | 10.980 | .48830 | .03300 | .47310 | .12530 | .04480 | -.01400 | -.00530 | .00580 | -.03000 | -.03000 |
| .596 | 12.000 | .54120 | .02610 | .52400 | .13800 | .04570 | -.01440 | -.00540 | .00570 | -.01000 | -.05000 |
| .596 | 12.970 | .59930 | .02200 | .57900 | .15590 | .04430 | -.01530 | -.00580 | .00640 | -.02000 | -.04000 |
| .597 | 14.010 | .65530 | .02300 | .63030 | .18090 | .04170 | -.01810 | -.00300 | .00790 | .00000 | -.06000 |
| .596 | 15.100 | .71410 | .02530 | .68290 | .21040 | .03960 | -.01670 | -.00260 | .00680 | -.03000 | -.05000 |
| .596 | 16.040 | .76610 | .02630 | .72900 | .23700 | .03690 | -.01450 | -.00310 | .00560 | -.03000 | -.04000 |
| .596 | 18.070 | .88800 | .03210 | .83430 | .30590 | .02700 | -.01510 | -.00320 | .00560 | -.01000 | -.05000 |
| .597 | 20.050 | 1.01300 | .03310 | .94030 | .37840 | .01840 | -.01740 | -.00390 | .00640 | .01000 | -.06000 |
| | GRADIENT | .04693 | -.00142 | .04550 | -.00080 | -.00034 | .00029 | -.00008 | -.00014 | .00199 | .00151 |

RUN NO. 241/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -1.970 | -.15370 | .17560 | -.14750 | .18080 | .09420 | -.01050 | -.00440 | .00630 | -.02000 | -.06000 |
| 1.197 | .010 | -.02580 | .17550 | -.02580 | .17550 | .06400 | -.01060 | -.00450 | .00610 | -.06000 | -.05000 |
| 1.197 | 1.970 | .09380 | .17400 | .08780 | .17710 | .03820 | -.01120 | -.00460 | .00610 | .00000 | -.15000 |
| 1.198 | 4.020 | .21540 | .17240 | .20270 | .18700 | .01410 | -.01160 | -.00470 | .00630 | -.05000 | -.14000 |
| 1.198 | 6.100 | .33680 | .16920 | .31690 | .20410 | -.00730 | -.01230 | -.00490 | .00620 | -.06000 | -.07000 |
| 1.199 | 8.120 | .44800 | .16510 | .42020 | .22670 | -.02130 | -.01240 | -.00530 | .00620 | .01000 | -.09000 |
| 1.195 | 10.070 | .55010 | .15920 | .51380 | .25290 | -.02680 | -.01220 | -.00540 | .00580 | .00000 | -.06000 |
| 1.196 | 10.960 | .60040 | .15720 | .55960 | .26850 | -.03130 | -.01190 | -.00480 | .00570 | -.05000 | -.03000 |
| 1.197 | 11.980 | .65680 | .15570 | .61020 | .28870 | -.03490 | -.01060 | -.00520 | .00520 | -.01000 | -.06000 |
| 1.196 | 13.000 | .71480 | .15520 | .66150 | .31200 | -.03940 | -.01100 | -.00520 | .00520 | -.02000 | -.08000 |
| 1.196 | 14.040 | .77320 | .15510 | .71250 | .33800 | -.04490 | -.01170 | -.00520 | .00560 | -.07000 | -.06000 |
| 1.197 | 15.070 | .82920 | .15480 | .76040 | .36510 | -.05040 | -.01160 | -.00550 | .00550 | -.02000 | -.06000 |
| 1.195 | 16.110 | .88680 | .15450 | .80910 | .39450 | -.05570 | -.01260 | -.00560 | .00590 | -.05000 | -.08000 |
| 1.196 | 17.970 | .98590 | .15210 | .89090 | .44890 | -.06550 | -.01440 | -.00520 | .00650 | -.05000 | -.01000 |
| 1.196 | 19.930 | 1.07760 | .14930 | .96210 | .50780 | -.06780 | -.01570 | -.00510 | .00670 | -.01000 | -.06000 |
| | GRADIENT | .06155 | -.00056 | .05841 | .00103 | -.01335 | -.00020 | -.00005 | .00000 | -.00157 | -.01700 |

ARC 200-I 11(LA77) OV101 (R2B136) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 254/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.960 | -.14990 | .08310 | -.14690 | .08820 | .04900 | -.09270 | -.00750 | .01520 | .01000 | -.06000 |
| .597 | .090 | -.05580 | .08450 | -.05590 | .08440 | .04780 | -.09220 | -.00870 | .01520 | -.02000 | -.04000 |
| .597 | 2.050 | .03760 | .08160 | .03460 | .08290 | .04700 | -.09190 | -.01010 | .01500 | -.01000 | -.03000 |
| .597 | 4.110 | .13760 | .07470 | .13190 | .08440 | .04420 | -.09230 | -.01140 | .01490 | -.02000 | -.03000 |
| .596 | 5.980 | .23460 | .06550 | .22650 | .08950 | .04110 | -.09130 | -.01240 | .01480 | -.01000 | -.04000 |
| .596 | 8.000 | .33850 | .05310 | .32780 | .09970 | .03960 | -.09130 | -.01400 | .01470 | -.02000 | -.05000 |
| .597 | 10.070 | .44590 | .03780 | .43250 | .11520 | .03910 | -.09040 | -.01660 | .01430 | -.01000 | -.06000 |
| .596 | 11.050 | .49930 | .03070 | .48420 | .12580 | .03900 | -.08870 | -.01780 | .01420 | -.02000 | -.04000 |
| .597 | 12.080 | .55490 | .02370 | .53760 | .13930 | .03890 | -.08880 | -.01820 | .01380 | -.04000 | -.04000 |
| .596 | 13.070 | .61000 | .01800 | .59010 | .15560 | .03710 | -.08830 | -.01780 | .01350 | -.03000 | -.04000 |
| .596 | 14.060 | .66670 | .02190 | .64140 | .18320 | .03250 | -.09080 | -.01400 | .01480 | -.03000 | -.07000 |
| .596 | 15.010 | .71710 | .02430 | .68640 | .20920 | .02990 | -.09120 | -.01300 | .01470 | -.01000 | -.07000 |
| .595 | 16.000 | .77170 | .02570 | .73480 | .23740 | .02810 | -.09230 | -.01140 | .01510 | -.01000 | -.08000 |
| .596 | 18.090 | .87970 | .02540 | .82830 | .29730 | .02920 | -.09340 | -.01320 | .01510 | .00000 | -.07000 |
| .596 | 20.040 | .99710 | .02780 | .92730 | .36780 | .02000 | -.09660 | -.01250 | .01590 | -.01000 | -.06000 |
| | GRADIENT | .04739 | -.00139 | .04595 | -.00064 | -.00075 | .00007 | -.00065 | -.00005 | -.00399 | .00495 |

RUN NO. 242/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -2.010 | -.16080 | .17920 | -.15440 | .18470 | .09390 | -.08780 | -.01110 | .01340 | -.03000 | -.07000 |
| 1.198 | .000 | -.03310 | .17860 | -.03310 | .17860 | .06390 | -.08610 | -.01180 | .01310 | -.03000 | -.06000 |
| 1.196 | 2.040 | .09060 | .17670 | .08430 | .17980 | .03730 | -.08470 | -.01260 | .01230 | -.04000 | -.06000 |
| 1.196 | 4.140 | .21680 | .17340 | .20380 | .18860 | .01340 | -.09200 | -.01330 | .01120 | -.04000 | -.06000 |
| 1.196 | 6.030 | .32790 | .17070 | .30820 | .20410 | -.00450 | -.08000 | -.01410 | .01010 | -.06000 | -.07000 |
| 1.197 | 8.020 | .43850 | .16720 | .41090 | .22670 | -.01720 | -.08340 | -.01350 | .01140 | -.06000 | -.08000 |
| 1.197 | 9.990 | .54840 | .16280 | .51180 | .25550 | -.02720 | -.08100 | -.01530 | .01020 | -.05000 | -.08000 |
| 1.195 | 11.000 | .60350 | .16110 | .56160 | .27340 | -.03080 | -.08110 | -.01560 | .01000 | -.05000 | -.07000 |
| 1.197 | 12.000 | .65720 | .15990 | .60960 | .29310 | -.03570 | -.08260 | -.01490 | .01000 | -.05000 | -.07000 |
| 1.195 | 13.000 | .71440 | .15830 | .66050 | .31500 | -.04100 | -.08380 | -.01400 | .00980 | .01000 | -.02000 |
| 1.197 | 13.950 | .77150 | .15670 | .71090 | .33810 | -.04970 | -.08470 | -.01200 | .00910 | -.02000 | -.02000 |
| 1.197 | 15.160 | .83850 | .15490 | .76890 | .36880 | -.05650 | -.08410 | -.01150 | .00780 | -.04000 | -.05000 |
| 1.196 | 16.080 | .88520 | .15390 | .80790 | .39300 | -.05830 | -.08330 | -.01180 | .00680 | -.04000 | -.06000 |
| 1.198 | 17.990 | .97970 | .15000 | .88550 | .44530 | -.06280 | -.08130 | -.01290 | .00320 | .00000 | -.05000 |
| 1.195 | 20.040 | 1.07410 | .14640 | .95890 | .50570 | -.06450 | -.07960 | -.01330 | -.00030 | -.03000 | -.06000 |
| | GRADIENT | .06132 | -.00094 | .05817 | .00065 | -.01308 | .00092 | -.00036 | -.00036 | -.00195 | .00145 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B137) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 255/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -6..80 | .46120 | .03770 | .44750 | .11780 | .03610 | .09640 | .01010 | -.00580 | -.03000 | -.03000 |
| .596 | -4.070 | .45050 | .03860 | .43680 | .11670 | .04090 | .05700 | .00460 | -.00040 | -.03000 | -.05000 |
| .596 | -3.040 | .44730 | .03910 | .43360 | .11660 | .04180 | .03660 | .00190 | .00170 | -.03000 | -.05000 |
| .596 | -2.040 | .44490 | .03990 | .43110 | .11690 | .04320 | .01880 | -.00040 | .00350 | -.03000 | -.05000 |
| .596 | -1.010 | .44100 | .04030 | .42720 | .11650 | .04420 | .00100 | -.00310 | .00490 | -.03000 | -.06000 |
| .596 | -.010 | .43870 | .03990 | .42500 | .11560 | .04390 | -.01510 | -.00550 | .00630 | -.02000 | -.04000 |
| .595 | .970 | .44040 | .04010 | .42670 | .11620 | .04350 | -.03160 | -.00760 | .00780 | -.02000 | -.05000 |
| .596 | 2.030 | .44420 | .03920 | .43050 | .11630 | .04180 | -.05010 | -.01010 | .00980 | -.02000 | -.05000 |
| .595 | 3.070 | .44460 | .03860 | .43100 | .11580 | .04080 | -.06900 | -.01300 | .01170 | -.02000 | -.05000 |
| .597 | 4.100 | .44140 | .03810 | .42790 | .11470 | .03960 | -.08780 | -.01620 | .01400 | -.01000 | -.05000 |
| .596 | 6.170 | .44320 | .03780 | .42980 | .11450 | .03420 | -.13170 | -.02060 | .01950 | -.02000 | -.05000 |
| .595 | 8.230 | .45310 | .03680 | .43970 | .11540 | .03500 | -.17310 | -.02540 | .02530 | -.02000 | -.05000 |
| | GRADIENT | -.00076 | -.00008 | -.00073 | -.00020 | -.00019 | -.01745 | -.00248 | .00169 | .00229 | .00016 |

RUN NO. 243/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.194 | -6.190 | .55670 | .16170 | .51990 | .25660 | -.02490 | .09080 | .00920 | -.00180 | -.01000 | -.03000 |
| 1.197 | -4.140 | .55830 | .16070 | .52170 | .25570 | -.02900 | .05380 | .00450 | .00190 | -.01000 | -.05000 |
| 1.197 | -3.120 | .55540 | .16030 | .51890 | .25470 | -.02790 | .03670 | .00150 | .00310 | .00000 | -.05000 |
| 1.195 | -2.070 | .55190 | .15940 | .51580 | .25290 | -.02650 | .02030 | -.00090 | .00410 | -.01000 | -.05000 |
| 1.195 | -1.030 | .54770 | .15890 | .51180 | .25160 | -.02690 | .00380 | -.00310 | .00500 | -.02000 | -.06000 |
| 1.195 | -.020 | .54320 | .15860 | .50740 | .25050 | -.02580 | -.01190 | -.00530 | .00580 | -.01000 | -.08000 |
| 1.197 | 1.010 | .54780 | .15930 | .51170 | .25240 | -.02650 | -.02750 | -.00760 | .00660 | -.08000 | -.04000 |
| 1.197 | 2.070 | .55200 | .16020 | .51550 | .25420 | -.02760 | -.04360 | -.01000 | .00760 | -.02000 | -.06000 |
| 1.197 | 3.120 | .55070 | .16130 | .51410 | .25510 | -.02690 | -.06120 | -.01290 | .00860 | -.02000 | -.06000 |
| 1.196 | 4.190 | .54880 | .16240 | .51200 | .25580 | -.02700 | -.07910 | -.01510 | .01010 | .00000 | -.06000 |
| 1.198 | 6.280 | .54520 | .16320 | .50840 | .25580 | -.02470 | -.11760 | -.01860 | .01320 | -.01000 | -.07000 |
| 1.196 | 8.390 | .54660 | .16370 | .50960 | .25670 | -.02070 | -.15480 | -.02310 | .01610 | -.03000 | -.08000 |
| | GRADIENT | -.00083 | .00019 | -.00086 | .00008 | .00015 | -.01579 | -.00231 | .00093 | -.00157 | -.00112 |

ARC 200-1 11(LA77) OV101 (R2B138) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 250/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.960 | -.16920 | .10170 | -.16560 | .10750 | .06910 | -.01700 | -.00450 | .00830 | -.03000 | -.04000 |
| .896 | .030 | -.05400 | .10200 | -.05400 | .10200 | .06160 | -.01630 | -.00450 | .00790 | -.02000 | -.05000 |
| .897 | 1.980 | .05460 | .10020 | .05110 | .10200 | .05600 | -.01560 | -.00500 | .00740 | -.03000 | -.05000 |
| .899 | 2.970 | .11170 | .10000 | .10630 | .10570 | .05170 | -.01610 | -.00490 | .00720 | -.03000 | -.05000 |
| .897 | 4.000 | .16710 | .09850 | .15980 | .10990 | .04920 | -.01540 | -.00530 | .00690 | -.02000 | -.05000 |
| .897 | 4.960 | .21730 | .09820 | .20800 | .11660 | .04740 | -.01450 | -.00560 | .00640 | -.03000 | -.06000 |
| .900 | 5.990 | .27100 | .09740 | .25940 | .12510 | .04480 | -.01460 | -.00550 | .00610 | -.04000 | -.05000 |
| .900 | 7.000 | .32260 | .09580 | .30850 | .13440 | .04220 | -.01460 | -.00500 | .00600 | -.04000 | -.05000 |
| .899 | 8.010 | .37310 | .09350 | .35640 | .14460 | .04140 | -.01450 | -.00460 | .00600 | -.03000 | -.05000 |
| .899 | 8.960 | .41600 | .09340 | .39640 | .15710 | .04180 | -.01550 | -.00550 | .00620 | -.03000 | -.06000 |
| .899 | 10.000 | .46770 | .09250 | .44460 | .17230 | .04040 | -.01570 | -.00520 | .00630 | -.02000 | -.05000 |
| .899 | 12.020 | .56580 | .09230 | .53410 | .20810 | .03610 | -.01600 | -.00420 | .00570 | .01000 | -.06000 |
| .899 | 14.000 | .66750 | .09430 | .62490 | .25290 | .02390 | -.01660 | -.00360 | .00550 | .01000 | -.08000 |
| .898 | 16.030 | .77190 | .09490 | .71570 | .30430 | .01730 | -.01790 | -.00350 | .00550 | -.01000 | -.05000 |
| .899 | 17.990 | .87280 | .09400 | .80100 | .35900 | .01810 | -.01910 | -.00320 | .00520 | -.04000 | -.05000 |
| .898 | 19.960 | .96140 | .09410 | .87160 | .41670 | .02480 | -.02010 | -.00210 | .00520 | .01000 | -.06000 |
| | GRADIENT | .05598 | -.00057 | .05413 | .00123 | -.00319 | .00030 | -.00016 | -.00026 | .00001 | -.00208 |

RUN NO. 247/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -1.980 | -.17280 | .12300 | -.16850 | .12890 | .07400 | -.01380 | -.00550 | .00730 | -.02000 | -.05000 |
| .947 | .080 | -.04270 | .12220 | -.04280 | .12210 | .05900 | -.01250 | -.00560 | .00670 | -.01000 | -.03000 |
| .948 | 2.010 | .07820 | .12040 | .07400 | .12310 | .04340 | -.01220 | -.00520 | .00640 | .04000 | .02000 |
| .947 | 3.000 | .14070 | .11870 | .13430 | .12590 | .03540 | -.01150 | -.00510 | .00620 | -.01000 | -.04000 |
| .947 | 3.930 | .19880 | .11730 | .19030 | .13060 | .02820 | -.01160 | -.00500 | .00610 | -.01000 | -.04000 |
| .947 | 4.920 | .25800 | .11650 | .24700 | .13830 | .02150 | -.01130 | -.00520 | .00590 | -.01000 | -.04000 |
| .948 | 5.950 | .31870 | .11490 | .30510 | .14730 | .01450 | -.01150 | -.00480 | .00570 | .00000 | -.04000 |
| .948 | 6.990 | .37980 | .11440 | .36310 | .15980 | .00810 | -.01200 | -.00490 | .00570 | -.03000 | -.05000 |
| .947 | 8.080 | .43800 | .11090 | .41800 | .17140 | .00510 | -.01380 | -.00430 | .00530 | -.03000 | -.06000 |
| .947 | 9.040 | .48680 | .10970 | .46350 | .18480 | .00430 | -.01450 | -.00430 | .00460 | -.03000 | -.05000 |
| .947 | 10.060 | .54500 | .10930 | .51760 | .20280 | -.00120 | -.01470 | -.00430 | .00410 | -.03000 | -.05000 |
| .948 | 12.120 | .64910 | .11150 | .61120 | .24540 | -.00490 | -.01450 | -.00460 | .00280 | -.04000 | -.06000 |
| .944 | 14.070 | .74030 | .11170 | .69100 | .28830 | -.00700 | -.01720 | -.00300 | .00230 | -.01000 | -.04000 |
| .947 | 16.050 | .85550 | .11260 | .79110 | .34470 | -.01760 | -.01740 | -.00290 | .00070 | .01000 | -.09000 |
| .948 | 18.000 | .95770 | .11030 | .87670 | .40090 | -.01980 | -.00840 | -.00620 | .01090 | -.03000 | -.05000 |
| .949 | 19.980 | 1.05880 | .11350 | .95620 | .46850 | -.01460 | -.02340 | -.00120 | .00860 | -.05000 | -.03000 |
| | GRADIENT | .06258 | -.00100 | .06038 | .00124 | -.00772 | .00035 | .00007 | -.00020 | .00124 | .00066 |

ARC 200-1 11(LA77) OV101 (R2B138) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 244/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -1.900 | -.17960 | .16490 | -.17400 | .17070 | .09890 | -.01070 | -.00450 | .00640 | -.04000 | -.04000 |
| 1.045 | -.040 | -.05410 | .16370 | -.05400 | .16370 | .07770 | -.01110 | -.00480 | .00610 | -.02000 | -.04000 |
| 1.045 | 2.070 | .08710 | .16440 | .08110 | .16740 | .05250 | -.01130 | -.00490 | .00610 | -.02000 | -.06000 |
| 1.045 | 2.980 | .14580 | .16460 | .13700 | .17200 | .04220 | -.01130 | -.00490 | .00610 | .00000 | -.02000 |
| 1.046 | 4.120 | .22040 | .16400 | .20810 | .17940 | .02760 | -.01150 | -.00510 | .00610 | -.04000 | -.03000 |
| 1.046 | 5.110 | .28250 | .16290 | .26680 | .18740 | .01670 | -.01220 | -.00510 | .00610 | -.02000 | -.07000 |
| 1.046 | 5.980 | .33430 | .16200 | .31560 | .19600 | .00920 | -.01180 | -.00560 | .00610 | -.06000 | -.05000 |
| 1.046 | 6.930 | .38930 | .16030 | .36710 | .20610 | .00190 | -.01280 | -.00520 | .00620 | .02000 | -.02000 |
| 1.044 | 7.970 | .44560 | .15950 | .41920 | .21970 | -.00150 | -.01240 | -.00550 | .00620 | -.02000 | -.04000 |
| 1.047 | 8.990 | .50060 | .15730 | .46990 | .23350 | -.00650 | -.01320 | -.00560 | .00610 | -.06000 | -.08000 |
| 1.046 | 10.030 | .56270 | .15540 | .52690 | .25130 | -.01210 | -.01350 | -.00540 | .00620 | -.01000 | -.02000 |
| 1.047 | 12.000 | .67220 | .15430 | .62510 | .29130 | -.01820 | -.01100 | -.00540 | .00520 | .03000 | -.06000 |
| 1.045 | 14.080 | .78010 | .15450 | .71910 | .33970 | -.02380 | -.01210 | -.00530 | .00560 | -.04000 | -.05000 |
| 1.047 | 16.120 | .89660 | .15250 | .81900 | .39550 | -.03370 | -.01270 | -.00720 | .00580 | .00000 | -.03000 |
| 1.047 | 18.130 | 1.02520 | .14970 | .92770 | .46140 | -.05220 | -.02050 | -.00480 | .00890 | -.06000 | -.06000 |
| 1.047 | 20.140 | 1.14290 | .14760 | 1.02220 | .53210 | -.06510 | -.02060 | -.00600 | .00880 | -.06000 | -.06000 |
| | GRADIENT | .06648 | -.00006 | .06351 | .00144 | -.01181 | -.00012 | -.00009 | -.00004 | .00189 | .00193 |

ARC 200-1 11(LA77) OV101 (R28139) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 251/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.930 | -.17280 | .10270 | -.16930 | .10840 | .06580 | -.11080 | -.00550 | .02180 | -.03000 | -.04000 |
| .897 | .040 | -.05900 | .10350 | -.05900 | .10350 | .05840 | -.10990 | -.00770 | .02160 | -.03000 | -.04000 |
| .900 | 2.000 | .05350 | .10260 | .05030 | .10440 | .05040 | -.11040 | -.00980 | .02170 | -.03000 | -.06000 |
| .899 | 2.970 | .10780 | .10130 | .10240 | .10680 | .04700 | -.10960 | -.01010 | .02130 | -.03000 | -.05000 |
| .898 | 4.020 | .16830 | .09980 | .16090 | .11130 | .04310 | -.10900 | -.01090 | .02070 | .00000 | -.08000 |
| .898 | 4.990 | .22180 | .09970 | .21230 | .11860 | .04020 | -.10980 | -.01140 | .02050 | -.03000 | -.05000 |
| .899 | 6.020 | .27280 | .09760 | .26100 | .12570 | .03970 | -.10780 | -.01240 | .01910 | -.03000 | -.04000 |
| .899 | 7.050 | .32770 | .09620 | .31340 | .13570 | .03840 | -.10630 | -.01350 | .01810 | -.03000 | -.04000 |
| .899 | 8.010 | .37570 | .09460 | .35890 | .14600 | .03680 | -.10610 | -.01420 | .01750 | -.03000 | -.05000 |
| .898 | 9.000 | .42160 | .09350 | .40170 | .15830 | .03720 | -.10550 | -.01550 | .01700 | -.02000 | -.06000 |
| .899 | 10.050 | .47230 | .09290 | .44890 | .17390 | .03500 | -.10590 | -.01560 | .01690 | -.02000 | -.06000 |
| .898 | 12.070 | .57410 | .09210 | .54210 | .21010 | .02860 | -.10720 | -.01630 | .01540 | -.02000 | -.06000 |
| .897 | 14.060 | .67180 | .09230 | .62920 | .25280 | .02000 | -.10600 | -.01410 | .01220 | .01000 | -.02000 |
| .897 | 16.080 | .77860 | .09230 | .72260 | .30440 | .01440 | -.10100 | -.01250 | .00580 | -.02000 | -.05000 |
| .899 | 18.040 | .87410 | .09030 | .80320 | .35650 | .01260 | -.09990 | -.01020 | .00080 | -.02000 | -.06000 |
| .899 | 19.990 | .96230 | .09140 | .87310 | .41480 | .02370 | -.09070 | -.01120 | -.00590 | -.03000 | -.08000 |
| | GRADIENT | .05708 | -.00053 | .05521 | .00133 | -.00375 | .00018 | -.00085 | -.00019 | .00181 | -.00359 |

RUN NO. 248/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.940 | -.18430 | .12600 | -.17990 | .13210 | .07800 | -.10400 | -.01130 | .02000 | -.02000 | -.04000 |
| .947 | .050 | -.05840 | .12420 | -.05850 | .12420 | .06300 | -.10380 | -.01400 | .02070 | -.04000 | -.07000 |
| .945 | 2.020 | .06540 | .12250 | .06100 | .12470 | .04810 | -.10480 | -.01500 | .02120 | -.04000 | -.07000 |
| .947 | 3.000 | .12600 | .12050 | .11960 | .12690 | .04010 | -.10490 | -.01460 | .02140 | -.03000 | -.07000 |
| .946 | 3.920 | .18250 | .12070 | .17380 | .13290 | .03440 | -.10520 | -.01430 | .02170 | -.04000 | -.06000 |
| .948 | 5.000 | .25030 | .11930 | .23890 | .14060 | .02520 | -.10430 | -.01410 | .02140 | -.03000 | -.07000 |
| .946 | 5.940 | .30680 | .11710 | .29300 | .14820 | .01990 | -.10560 | -.01370 | .02190 | -.05000 | -.03000 |
| .948 | 7.000 | .37190 | .11650 | .35490 | .16090 | .01260 | -.10280 | -.01480 | .02100 | -.02000 | -.06000 |
| .945 | 7.990 | .42800 | .11400 | .40800 | .17240 | .00770 | -.10330 | -.01430 | .02090 | -.01000 | -.07000 |
| .948 | 9.000 | .47730 | .11050 | .45410 | .18380 | .00580 | -.09830 | -.01590 | .01640 | -.12000 | -.14000 |
| .947 | 10.020 | .53890 | .11040 | .51160 | .20250 | -.00050 | -.09170 | -.01720 | .01640 | -.01000 | -.08000 |
| .948 | 12.010 | .64090 | .10830 | .60430 | .23940 | -.00470 | -.08960 | -.01780 | .01550 | .00000 | -.07000 |
| .947 | 14.030 | .75000 | .10920 | .70110 | .28770 | -.01450 | -.08980 | -.01730 | .01470 | -.02000 | -.07000 |
| .947 | 16.100 | .85870 | .10990 | .79460 | .34370 | -.02190 | -.08470 | -.01850 | .01150 | -.03000 | -.06000 |
| .945 | 18.040 | .95000 | .10810 | .86980 | .39690 | -.01700 | -.07770 | -.01810 | .00720 | .05000 | -.10000 |
| .946 | 20.010 | 1.04630 | .10950 | .94560 | .46100 | -.00840 | -.06530 | -.01730 | -.00480 | -.03000 | -.04000 |
| | GRADIENT | .06257 | -.00097 | .06031 | .00113 | -.00757 | -.00014 | -.00037 | .00023 | -.00119 | -.00301 |

ARC 200-1 11(LA77) OV101 (R2B139) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 245/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.900 | -.18180 | .17010 | -.17600 | .17600 | .09620 | -.08860 | -.01080 | .01420 | -.03000 | -.07000 |
| 1.046 | .080 | -.04980 | .16840 | -.05000 | .16840 | .07350 | -.08670 | -.01420 | .01380 | -.02000 | -.06000 |
| 1.046 | 2.190 | .08850 | .16860 | .08240 | .17180 | .05050 | -.08650 | -.01580 | .01390 | -.03000 | -.06000 |
| 1.046 | 3.050 | .14620 | .16830 | .13700 | .17590 | .04020 | -.08620 | -.01580 | .01370 | -.01000 | -.07000 |
| 1.046 | 3.970 | .20510 | .16850 | .19300 | .18240 | .03040 | -.08610 | -.01580 | .01420 | -.04000 | -.06000 |
| 1.048 | 5.000 | .27290 | .16710 | .25730 | .19020 | .01770 | -.08570 | -.01620 | .01350 | -.02000 | -.03000 |
| 1.046 | 5.980 | .33140 | .16680 | .31220 | .20040 | .01060 | -.08680 | -.01610 | .01420 | -.02000 | -.05000 |
| 1.044 | 6.910 | .38560 | .16590 | .36280 | .21110 | .00490 | -.08940 | -.01560 | .01520 | .02000 | -.02000 |
| 1.044 | 7.970 | .44580 | .16450 | .41870 | .22480 | -.00030 | -.09170 | -.01550 | .01600 | -.02000 | -.04000 |
| 1.046 | 9.020 | .50490 | .16230 | .47320 | .23950 | -.00590 | -.09090 | -.01650 | .01560 | -.01000 | -.06000 |
| 1.047 | 10.080 | .56270 | .16020 | .52600 | .25620 | -.01070 | -.08930 | -.01720 | .01520 | -.02000 | -.05000 |
| 1.046 | 12.040 | .67190 | .15720 | .62430 | .29390 | -.01810 | -.08740 | -.01790 | .01340 | -.04000 | -.06000 |
| 1.045 | 14.120 | .78760 | .15360 | .72630 | .34110 | -.02640 | -.09280 | -.01710 | .01420 | -.04000 | -.06000 |
| 1.046 | 16.040 | .89600 | .15000 | .81970 | .39170 | -.03670 | -.09620 | -.01590 | .01370 | .00000 | -.08000 |
| 1.044 | 17.980 | 1.00110 | .14820 | .90640 | .44990 | -.04580 | -.09560 | -.01360 | .01060 | -.05000 | -.05000 |
| 1.048 | 20.130 | 1.10860 | .14480 | .99110 | .51750 | -.04830 | -.08780 | -.01490 | .00440 | -.02000 | -.09000 |
| | GRADIENT | .06587 | -.00032 | .06279 | .00208 | -.01130 | .00037 | -.00074 | -.00005 | .00031 | .00358 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B140) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 252/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -6.310 | .23460 | .09740 | .22500 | .11780 | .03610 | .12580 | .00380 | -.01380 | -.04000 | -.06000 |
| .898 | -4.240 | .22800 | .09690 | .21860 | .11660 | .04140 | .07830 | .00040 | -.00610 | -.03000 | -.05000 |
| .899 | -3.190 | .22610 | .09650 | .21680 | .11600 | .04270 | .05340 | -.00160 | -.00240 | -.04000 | -.04000 |
| .899 | -2.140 | .22520 | .09710 | .21580 | .11660 | .04480 | .02940 | -.00300 | .00120 | -.03000 | -.06000 |
| .898 | -1.080 | .22320 | .09790 | .21370 | .11700 | .04580 | .00740 | -.00450 | .00400 | -.03000 | -.06000 |
| .898 | .000 | .22070 | .09810 | .21130 | .11700 | .04700 | -.01530 | -.00580 | .00650 | -.03000 | -.06000 |
| .900 | 1.010 | .22200 | .09790 | .21250 | .11710 | .04650 | -.03690 | -.00680 | .00910 | -.03000 | -.05000 |
| .896 | 2.080 | .22310 | .09800 | .21370 | .11720 | .04480 | -.06110 | -.00820 | .01270 | -.04000 | -.06000 |
| .899 | 3.110 | .22130 | .09740 | .21190 | .11640 | .04310 | -.08510 | -.01000 | .01660 | -.03000 | -.06000 |
| .899 | 4.160 | .22210 | .09820 | .21260 | .11730 | .04050 | -.10770 | -.01130 | .02000 | -.03000 | -.06000 |
| .898 | 6.250 | .22050 | .09860 | .21110 | .11750 | .03510 | -.15870 | -.01420 | .02850 | -.04000 | -.06000 |
| .900 | 8.340 | .22130 | .09920 | .21170 | .11820 | .03630 | -.20180 | -.01740 | .03540 | -.03000 | -.05000 |
| | GRADIENT | -.00069 | .00015 | -.00070 | .00008 | -.00002 | -.02197 | -.00134 | .00301 | .00016 | -.00143 |

RUN NO. 249/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.310 | .25750 | .11940 | .24600 | .14160 | .02670 | .12130 | .00620 | -.01510 | -.01000 | -.07000 |
| .946 | -4.190 | .26020 | .11710 | .24900 | .13940 | .02310 | .07350 | .00220 | -.00660 | -.06000 | -.04000 |
| .947 | -3.190 | .26110 | .11620 | .25000 | .13850 | .02120 | .04920 | .00030 | -.00220 | -.03000 | -.06000 |
| .946 | -2.090 | .26220 | .11570 | .25110 | .13810 | .02180 | .02740 | -.00170 | .00130 | -.04000 | -.06000 |
| .946 | -1.090 | .26200 | .11640 | .25090 | .13870 | .02130 | .00830 | -.00330 | .00380 | .00000 | -.06000 |
| .945 | .000 | .26080 | .11560 | .24980 | .13770 | .02100 | -.01210 | -.00520 | .00590 | .00000 | -.07000 |
| .945 | 1.010 | .26080 | .11440 | .24990 | .13670 | .02060 | -.03300 | -.00650 | .00860 | -.01000 | -.05000 |
| .948 | 2.070 | .26130 | .11710 | .25010 | .13940 | .01960 | -.05320 | -.00890 | .01150 | -.02000 | -.04000 |
| .947 | 3.090 | .25800 | .11900 | .24670 | .14100 | .02160 | -.07650 | -.01160 | .01560 | .00000 | -.07000 |
| .947 | 4.150 | .25110 | .11960 | .23980 | .14090 | .02470 | -.10310 | -.01410 | .02100 | -.03000 | -.05000 |
| .947 | 6.230 | .24000 | .12100 | .22860 | .14130 | .02810 | -.15210 | -.01740 | .02900 | -.02000 | -.06000 |
| .947 | 8.330 | .23200 | .12000 | .22080 | .13960 | .03530 | -.19400 | -.02090 | .03500 | -.03000 | -.05000 |
| | GRADIENT | -.00078 | .00031 | -.00079 | .00022 | .00004 | -.02053 | -.00189 | .00302 | .00382 | -.00032 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B140) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 246/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -6.320 | .28700 | .16810 | .27100 | .19290 | .01810 | .10160 | .01020 | -.00690 | -.01000 | -.03000 |
| 1.046 | -4.240 | .28120 | .16510 | .26560 | .18920 | .01680 | .06000 | .00450 | -.00050 | -.01000 | -.05000 |
| 1.046 | -3.200 | .28130 | .16350 | .26580 | .18750 | .01510 | .03950 | .00180 | .00240 | -.02000 | -.05000 |
| 1.046 | -2.140 | .27990 | .16220 | .26460 | .18610 | .01580 | .02150 | -.00060 | .00420 | -.03000 | -.05000 |
| 1.047 | -1.090 | .27800 | .16180 | .26290 | .18540 | .01680 | .00480 | -.00290 | .00540 | -.03000 | -.05000 |
| 1.046 | -.010 | .27560 | .16300 | .26030 | .18640 | .01770 | -.01260 | -.00530 | .00620 | -.04000 | -.05000 |
| 1.047 | 1.010 | .27750 | .16390 | .26210 | .18760 | .01690 | -.02960 | -.00750 | .00750 | -.03000 | -.06000 |
| 1.046 | 2.080 | .27830 | .16530 | .26270 | .18900 | .01680 | -.04780 | -.01000 | .00920 | -.03000 | -.05000 |
| 1.047 | 3.100 | .27630 | .16620 | .26070 | .18980 | .01840 | -.06630 | -.01300 | .01140 | -.03000 | -.05000 |
| 1.048 | 4.150 | .27360 | .16730 | .25790 | .19060 | .01820 | -.08550 | -.01600 | .01380 | -.03000 | -.06000 |
| 1.046 | 6.240 | .27360 | .16910 | .25780 | .19230 | .01670 | -.12930 | -.02050 | .02030 | -.03000 | -.08000 |
| 1.047 | 8.350 | .27380 | .17020 | .25780 | .19360 | .02370 | -.17510 | -.02560 | .02780 | -.07000 | -.06000 |
| | GRADIENT | -.00078 | .00040 | -.00081 | .00032 | .00028 | -.01702 | -.00238 | .00153 | -.00175 | -.00079 |

ARC 200-1 11(LA77) OV101 (R2B141) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 7.000

RUN NO. 284/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.940 | -.15470 | .06740 | -.15230 | .07260 | .04710 | .00160 | -.00050 | -.00050 | -.02000 | -.06000 |
| .599 | .050 | -.06140 | .06850 | -.06140 | .06850 | .04620 | .00210 | -.00060 | -.00040 | -.02000 | -.06000 |
| .600 | 2.030 | .03180 | .06550 | .02940 | .06660 | .04580 | .00230 | -.00080 | -.00040 | -.02000 | -.07000 |
| .599 | 3.990 | .12420 | .05950 | .11980 | .06800 | .04520 | .00200 | -.00100 | -.00040 | -.03000 | -.07000 |
| .599 | 5.960 | .22080 | .05040 | .21430 | .07300 | .04340 | .00210 | -.00090 | -.00050 | -.02000 | -.05000 |
| .599 | 7.980 | .32400 | .03760 | .31560 | .08220 | .04060 | .00160 | -.00130 | -.00060 | -.03000 | -.04000 |
| .599 | 9.990 | .43100 | .02370 | .42030 | .09800 | .03930 | .00130 | -.00140 | -.00060 | -.04000 | -.03000 |
| .600 | 12.020 | .53720 | .00930 | .52340 | .12090 | .04070 | .00060 | -.00170 | -.00070 | .03000 | -.06000 |
| .600 | 14.020 | .64630 | .00700 | .62530 | .16330 | .03820 | -.00410 | .00030 | .00170 | .03000 | -.07000 |
| .599 | 16.020 | .75730 | .00980 | .72520 | .21840 | .03210 | -.00050 | .00060 | -.00090 | .02000 | -.05000 |
| .599 | 18.010 | .87680 | .01380 | .82960 | .28420 | .02190 | -.00170 | .00140 | -.00060 | .02000 | -.05000 |
| | GRADIENT | .04704 | -.00135 | .04588 | -.00080 | -.00031 | .00007 | -.00009 | .00002 | -.00151 | -.00202 |

ARC 200-1 11(LA77) OV101 (R2B141) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 7.000

RUN NO. 256/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -1.950 | -.14660 | .15650 | -.14120 | .16140 | .07200 | .00230 | .00000 | -.00060 | -.02000 | -.03000 |
| 1.196 | .070 | -.01870 | .15570 | -.01890 | .15570 | .04330 | .00240 | .00000 | -.00050 | -.03000 | -.05000 |
| 1.197 | 2.040 | .10010 | .15360 | .09450 | .15710 | .01970 | .00180 | -.00010 | -.00060 | -.05000 | -.04000 |
| 1.195 | 4.000 | .21440 | .15110 | .20330 | .16570 | -.00080 | .00110 | -.00020 | -.00050 | -.05000 | -.04000 |
| 1.197 | 6.020 | .33100 | .14820 | .31360 | .18220 | -.02020 | .00120 | -.00040 | -.00060 | .00000 | -.04000 |
| 1.196 | 8.000 | .43990 | .14460 | .41550 | .20440 | -.03210 | .00040 | -.00060 | -.00050 | .01000 | -.09000 |
| 1.195 | 10.040 | .54640 | .13950 | .51370 | .23270 | -.03720 | -.00040 | -.00040 | -.00040 | .00000 | -.01000 |
| 1.196 | 11.030 | .60060 | .13770 | .56310 | .25010 | -.04000 | .00030 | -.00060 | -.00070 | -.01000 | -.03000 |
| 1.197 | 12.020 | .65520 | .13680 | .61230 | .27030 | -.04380 | -.00010 | -.00060 | -.00080 | -.02000 | -.05000 |
| 1.196 | 13.030 | .71130 | .13680 | .66220 | .29360 | -.04690 | .00060 | -.00090 | -.00080 | -.04000 | -.02000 |
| 1.196 | 13.990 | .76490 | .13730 | .70900 | .31810 | -.05200 | .00000 | -.00080 | -.00070 | .00000 | -.04000 |
| 1.195 | 14.990 | .81900 | .13820 | .75540 | .34530 | -.05640 | -.00030 | -.00100 | -.00070 | -.03000 | -.06000 |
| 1.197 | 16.010 | .87370 | .13900 | .80150 | .37460 | -.06100 | .00030 | -.00110 | -.00070 | -.03000 | -.05000 |
| 1.195 | 18.000 | .97860 | .13820 | .88800 | .43370 | -.06790 | -.00050 | -.00080 | -.00050 | -.03000 | -.05000 |
| | GRADIENT | .06064 | -.00092 | .05787 | .00071 | -.01222 | -.00021 | -.00004 | .00001 | -.00555 | -.00103 |

ARC 200-1 11(LA77) OV101 (R2B142) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 7.000

RUN NO. 287/ 0 RN/L = 7.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.960 | -.33530 | .07350 | -.33260 | .08490 | .13660 | .00130 | .00160 | -.00040 | -9.91000 | -.03000 |
| .600 | .020 | -.24250 | .07510 | -.24250 | .07500 | .13480 | .00130 | .00120 | -.00040 | -9.90000 | -.02000 |
| .599 | 2.000 | -.15490 | .07280 | -.15730 | .06740 | .13620 | .00110 | .00020 | -.00030 | -9.90000 | -.03000 |
| .599 | 4.020 | -.05960 | .06700 | -.06410 | .06270 | .13660 | .00030 | .00010 | -.00030 | -9.95000 | .02000 |
| .599 | 6.040 | .03520 | .05780 | .02890 | .06120 | .13620 | .00010 | .00010 | -.00030 | -9.96000 | .01000 |
| .599 | 7.970 | .12870 | .04660 | .12100 | .06400 | .13600 | .00000 | .00010 | -.00040 | -9.97000 | .01000 |
| .600 | 10.020 | .23180 | .03290 | .22260 | .07280 | .13630 | .00020 | -.00010 | -.00040 | -9.98000 | .01000 |
| .600 | 11.990 | .33200 | .01910 | .32080 | .08760 | .13820 | -.00010 | -.00080 | -.00060 | -10.00000 | .02000 |
| .600 | 14.000 | .44880 | .01140 | .43280 | .11960 | .13500 | -.00340 | -.00170 | .00130 | -9.88000 | -.02000 |
| .600 | 16.000 | .56720 | .01240 | .54190 | .16820 | .12550 | -.00240 | .00100 | .00050 | -9.89000 | .00000 |
| .600 | 17.990 | .68680 | .01340 | .64910 | .22490 | .11740 | -.00100 | .00070 | -.00090 | -9.87000 | -.03000 |
| | GRADIENT | .04592 | -.00110 | .04472 | -.00372 | .00007 | -.00016 | -.00028 | .00002 | -.00606 | .00706 |

RUN NO. 257/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.990 | -.25070 | .17030 | -.24460 | .17890 | .13970 | .00230 | .00060 | -.00070 | -9.95000 | .01000 |
| 1.200 | .040 | -.11790 | .16720 | -.11800 | .16710 | .10900 | .00280 | .00050 | -.00070 | -9.94000 | -.02000 |
| 1.198 | 2.030 | .00650 | .16390 | .00070 | .16410 | .08230 | .00220 | .00040 | -.00060 | -9.93000 | .00000 |
| 1.198 | 4.010 | .12300 | .16130 | .11140 | .16950 | .06040 | .00210 | .00030 | -.00070 | -9.93000 | .00000 |
| 1.196 | 5.970 | .23880 | .15790 | .22110 | .18190 | .04140 | .00160 | .00040 | -.00060 | -9.97000 | .01000 |
| 1.197 | 7.930 | .34990 | .15330 | .32540 | .20010 | .02670 | .00120 | .00020 | -.00070 | -9.93000 | .01000 |
| 1.199 | 9.990 | .46400 | .14740 | .43140 | .22570 | .01670 | .00000 | .00030 | -.00070 | -9.92000 | -.01000 |
| 1.199 | 12.000 | .57790 | .14210 | .53570 | .25920 | .00840 | -.00030 | .00010 | -.00060 | -9.92000 | -.01000 |
| 1.196 | 14.000 | .69250 | .14080 | .63790 | .30410 | -.00050 | -.00040 | -.00020 | -.00070 | -9.92000 | -.02000 |
| 1.200 | 16.030 | .80180 | .13800 | .73250 | .35410 | -.01060 | -.00030 | -.00060 | -.00050 | -9.92000 | .01000 |
| 1.196 | 18.020 | .90820 | .13480 | .82190 | .40910 | -.01700 | -.00140 | -.00020 | -.00020 | -9.92000 | .01000 |
| | GRADIENT | .06231 | -.00152 | .05937 | -.00157 | -.01324 | -.00006 | -.00005 | .00001 | .00351 | -.00052 |

ARC 200-1 11(LA77) OV101 (R2B143) ( 05 DEC 79 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 7.000

RUN NO. 0/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.950 | -.15740 | .06520 | -.15510 | .07050 | .04410 | -.07470 | -.00310 | .00710 | -.02000 | -.04000 |
| .599 | .070 | -.06440 | .06660 | -.06450 | .06660 | .04310 | -.07480 | -.00430 | .00700 | -.02000 | -.04000 |
| .599 | 2.050 | .02960 | .06460 | .02720 | .06560 | .04340 | -.07370 | -.00570 | .00690 | -.01000 | -.03000 |
| .599 | 4.040 | .12350 | .05880 | .11910 | .06730 | .04220 | -.07420 | -.00690 | .00700 | -.01000 | -.04000 |
| .599 | 6.000 | .22330 | .04920 | .21690 | .07230 | .03990 | -.07560 | -.00830 | .00730 | -.01000 | -.04000 |
| .599 | 8.010 | .32820 | .03650 | .31990 | .08190 | .03790 | -.07640 | -.01020 | .00770 | -.02000 | -.05000 |
| .600 | 10.070 | .43780 | .02170 | .42730 | .09790 | .03650 | -.07590 | -.01340 | .00770 | -.04000 | -.17000 |
| .599 | 12.080 | .54730 | .00760 | .53360 | .12200 | .03550 | -.07510 | -.01490 | .00740 | -.02000 | -.05000 |
| .600 | 14.060 | .65830 | .00690 | .63690 | .16670 | .02960 | -.07870 | -.00980 | .00890 | -.04000 | -.03000 |
| .599 | 16.060 | .76520 | .01090 | .73230 | .22220 | .02420 | -.08040 | -.00700 | .00930 | -.03000 | -.04000 |
| .599 | 18.050 | .86690 | .00910 | .82140 | .27730 | .02520 | -.08010 | -.00950 | .00900 | .00000 | -.06000 |
| | GRADIENT | .04695 | -.00106 | .04583 | -.00053 | -.00027 | .00013 | -.00064 | -.00002 | .00200 | .00050 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B144) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 7.000

RUN NO. 286/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .600 | -6.080 | .45320 | .02100 | .44260 | .10000 | .03050 | .11070 | .01460 | -.01290 | .01000 | -.04000 |
| .599 | -4.070 | .44690 | .02120 | .43630 | .09900 | .03420 | .07250 | .00920 | -.00790 | .01000 | -.04000 |
| .600 | -3.050 | .44220 | .02250 | .43150 | .09930 | .03570 | .05310 | .00650 | -.00590 | .01000 | -.04000 |
| .600 | -2.040 | .43890 | .02310 | .42810 | .09930 | .03780 | .03520 | .00400 | -.00390 | .01000 | -.05000 |
| .599 | -1.010 | .43660 | .02340 | .42580 | .09910 | .03860 | .01770 | .00110 | -.00210 | .00000 | -.05000 |
| .599 | -.020 | .43450 | .02360 | .42370 | .09880 | .03870 | .00110 | -.00140 | -.00060 | .01000 | -.05000 |
| .600 | .980 | .43370 | .02350 | .42300 | .09880 | .03880 | -.01560 | -.00390 | .00100 | .01000 | -.05000 |
| .599 | 2.030 | .43720 | .02350 | .42630 | .09970 | .03900 | -.03470 | -.00650 | .00290 | -.04000 | -.09000 |
| .600 | 3.080 | .43650 | .02280 | .42570 | .09900 | .03790 | -.05470 | -.00950 | .00500 | .01000 | -.05000 |
| .600 | 4.110 | .43500 | .02200 | .42450 | .09780 | .03670 | -.07460 | -.01290 | .00750 | -.01000 | -.06000 |
| .599 | 6.180 | .43360 | .02170 | .42310 | .09710 | .03070 | -.11730 | -.01690 | .01250 | .00000 | -.06000 |
| .599 | 8.240 | .44350 | .01960 | .43320 | .09690 | .03150 | -.15770 | -.02150 | .01790 | .00000 | -.05000 |
| | GRADIENT | -.00115 | .00008 | -.00115 | -.00009 | .00031 | -.01772 | -.00265 | .00181 | -.00278 | -.00310 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B144) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 7.000

RUN NO. 259/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -6.190 | .55800 | .14300 | .52440 | .23830 | -.03960 | .09640 | .01370 | -.00510 | .00000 | -.06000 |
| 1.199 | -4.150 | .55560 | .14240 | .52220 | .23720 | -.03940 | .06280 | .00870 | -.00300 | .00000 | -.02000 |
| 1.201 | -3.110 | .55310 | .14170 | .51990 | .23590 | -.03870 | .04600 | .00670 | -.00230 | -.02000 | .00000 |
| 1.199 | -2.070 | .54940 | .14030 | .51670 | .23370 | -.03690 | .03020 | .00440 | -.00160 | -.03000 | .00000 |
| 1.199 | -1.020 | .54390 | .13930 | .51150 | .23160 | -.03610 | .01430 | .00180 | -.00110 | -.03000 | -.03000 |
| 1.200 | -.020 | .53980 | .13880 | .50760 | .23030 | -.03590 | .00000 | -.00060 | -.00050 | -.02000 | -.04000 |
| 1.199 | .990 | .54280 | .13880 | .51040 | .23110 | -.0357[illegible] | -.01470 | -.00270 | .00000 | .00000 | -.06000 |
| 1.200 | 2.060 | .54840 | .13990 | .51560 | .23340 | -.037[illegible] | -.03060 | -.00530 | .00050 | -.01000 | -.05000 |
| 1.201 | 3.090 | .54610 | .14090 | .51320 | .23400 | -.037[illegible] | -.04690 | -.00760 | .00130 | -.01000 | -.05000 |
| 1.198 | 4.180 | .54430 | .14250 | .51110 | .23520 | -.03720 | -.06470 | -.00980 | .00240 | -.01000 | -.05000 |
| 1.199 | 6.2[illegible] | .54080 | .14360 | .50750 | .23560 | -.036[illegible] | -.10160 | -.01360 | .00460 | -.01000 | -.07000 |
| 1.199 | 8.36[illegible] | .54220 | .14470 | .50870 | .23710 | -.0[illegible] | -.13890 | -.01840 | .00760 | -.04000 | -.04000 |
| | GRADIEN[illegible] | -.00111 | -.00005 | -.00109 | -.00024 | .00016 | -.01511 | -.00226 | .00061 | .00095 | -.00641 |

ARC 200-1 11(LA77) OV101 (R2B145) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 281/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.920 | -.16850 | .08580 | -.16550 | .09140 | .06050 | .00250 | -.00010 | -.00070 | -.03000 | -.05000 |
| .901 | .070 | -.05170 | .08750 | -.05180 | .08750 | .05200 | .00240 | -.00030 | -.00070 | -.02000 | -.04000 |
| .901 | 2.080 | .06240 | .08630 | .05920 | .08850 | .04620 | .00240 | -.00090 | -.00090 | -.01000 | -.02000 |
| .900 | 3.890 | .15950 | .08470 | .15340 | .09530 | .04310 | .00180 | -.00070 | -.00080 | -.02000 | -.03000 |
| .900 | 6.010 | .26810 | .08360 | .25780 | .11120 | .04000 | .00100 | -.00030 | -.00100 | -.02000 | -.04000 |
| .899 | 8.010 | .36720 | .08110 | .35240 | .13140 | .03770 | .00060 | -.00040 | -.00130 | -.03000 | -.05000 |
| .900 | 9.940 | .46730 | .07950 | .44660 | .15900 | .03450 | -.00130 | .00020 | -.00090 | -.05000 | -.05000 |
| .900 | 11.990 | .55860 | .07770 | .53030 | .19210 | .03240 | -.00180 | .00100 | -.00160 | -.12000 | -.15000 |
| .898 | 13.990 | .66010 | .07960 | .62130 | .23680 | .02400 | -.00120 | .00120 | -.00190 | .03000 | -.04000 |
| .899 | 15.960 | .75320 | .08050 | .70200 | .28450 | .01860 | -.00390 | .00030 | -.00140 | -.08000 | -.07000 |
| .900 | 17.930 | .85230 | .08100 | .78600 | .33940 | .01720 | -.00550 | .00020 | -.00150 | .01000 | -.04000 |
| | GRADIENT | .05651 | -.00022 | .05495 | .00063 | -.00299 | -.00011 | -.00013 | -.00003 | .00212 | .00418 |

ARC 200-1 11(LA77) OV101 (R2B145) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 270/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.930 | -.17980 | .10820 | -.17600 | .11420 | .07110 | .00300 | -.00010 | -.00100 | -.03000 | .01000 |
| .949 | .070 | -.05210 | .10850 | -.05220 | .10840 | .05560 | .00300 | -.00030 | -.00110 | -.02000 | .02000 |
| .948 | 2.030 | .07120 | .10690 | .06740 | .10930 | .03990 | .00260 | -.00060 | -.00100 | -.02000 | .03000 |
| .949 | 3.940 | .19370 | .10520 | .18600 | .11820 | .02240 | .00210 | -.00070 | -.00100 | -.02000 | .04000 |
| .948 | 6.000 | .31830 | .10240 | .30590 | .13510 | .00690 | .00190 | -.00110 | -.00100 | -.02000 | -.06000 |
| .948 | 7.990 | .43150 | .09970 | .41350 | .15870 | -.00380 | .00120 | -.00110 | -.00200 | -.02000 | -.05000 |
| .949 | 10.060 | .55130 | .09870 | .52560 | .19340 | -.01370 | -.00250 | .00010 | -.00210 | .04000 | -.04000 |
| .949 | 12.040 | .64910 | .09770 | .61440 | .23100 | -.01450 | -.00180 | -.00030 | -.00380 | -.02000 | -.04000 |
| .949 | 14.010 | .74640 | .09850 | .70030 | .27630 | -.01600 | -.00410 | .00030 | -.00440 | -.01000 | -.03000 |
| .949 | 15.950 | .84520 | .10000 | .78520 | .32850 | -.02060 | -.00550 | .00090 | -.00550 | .05000 | .02000 |
| .949 | 17.950 | .94520 | .09910 | .86860 | .38560 | -.01950 | -.01100 | .00130 | -.00500 | -.02000 | -.06000 |
| | GRADIENT | .06356 | -.00054 | .06160 | .00064 | -.00826 | -.00016 | -.00011 | .00000 | .00154 | .00511 |

RUN NO. 260/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.049 | -1.960 | -.18460 | .14750 | -.17940 | .15380 | .08700 | .00230 | -.00020 | -.00070 | .00000 | -.07000 |
| 1.048 | -.010 | -.05500 | .14660 | -.05500 | .14660 | .06670 | .00260 | -.00020 | -.00070 | -.03000 | -.04000 |
| 1.045 | 2.030 | .07940 | .14650 | .07420 | .14930 | .04310 | .00180 | -.00060 | -.00060 | -.04000 | -.05000 |
| 1.047 | 3.990 | .20650 | .14590 | .19580 | .15990 | .02020 | .00130 | -.00060 | -.00070 | -.03000 | -.01000 |
| 1.047 | 6.020 | .33140 | .14320 | .31450 | .17720 | .00060 | .00120 | -.00110 | -.00080 | -.03000 | -.03000 |
| 1.048 | 8.020 | .44300 | .13990 | .41910 | .20040 | -.01060 | .00080 | -.00080 | -.00070 | -.02000 | -.04000 |
| 1.048 | 10.060 | .55610 | .13640 | .52370 | .23150 | -.01830 | -.00020 | -.00050 | -.00060 | .01000 | -.06000 |
| 1.049 | 11.990 | .66370 | .13550 | .62100 | .27040 | -.02600 | -.00060 | -.00050 | -.00050 | -.04000 | -.04000 |
| 1.046 | 13.950 | .76620 | .13670 | .71070 | .31730 | -.02890 | .00050 | -.00050 | -.00110 | -.02000 | -.03000 |
| 1.047 | 15.980 | .88350 | .13510 | .81220 | .37320 | -.03780 | .00130 | -.00210 | -.00150 | .00000 | -.02000 |
| 1.046 | 17.980 | .99400 | .13440 | .90400 | .43470 | -.04650 | .00510 | -.00370 | -.00320 | .00000 | -.02000 |
| | GRADIENT | .06575 | -.00025 | .06309 | .00106 | -.01126 | -.00019 | -.00008 | .00001 | -.00502 | .00851 |

ARC 200-1 11(LA77) OV101 (R2B146) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 280/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.980 | -.34230 | .10270 | -.33850 | .11440 | .16670 | .00110 | .00170 | -.00030 | -9.93000 | -.05000 |
| .899 | .080 | -.22490 | .10370 | -.22500 | .10340 | .15860 | .00260 | .00100 | -.00070 | -10.28000 | -.25000 |
| .899 | 2.090 | -.10060 | .10070 | -.10440 | .09700 | .14550 | .00120 | .00090 | -.00060 | -9.91000 | -.03000 |
| .900 | 3.750 | .00560 | .09750 | -.00080 | .09760 | .13090 | .00070 | .00060 | -.00050 | -9.92000 | -.03000 |
| .899 | 5.990 | .15540 | .09250 | .14490 | .10830 | .10730 | .00050 | .00090 | -.00080 | -9.94000 | -.05000 |
| .900 | 7.910 | .26180 | .08970 | .24700 | .12490 | .09870 | .00190 | -.00150 | -.00170 | -9.94000 | -.01000 |
| .900 | 10.000 | .37140 | .08740 | .35060 | .15060 | .09560 | -.00080 | .00010 | -.00090 | -9.98000 | .03000 |
| .900 | 11.950 | .47290 | .08660 | .44470 | .18260 | .08980 | -.00160 | .00120 | -.00140 | -9.93000 | .04000 |
| .900 | 13.970 | .56530 | .08660 | .52770 | .22050 | .08270 | -.00030 | .00150 | -.00220 | -9.92000 | .03000 |
| .899 | 15.960 | .66110 | .08840 | .61130 | .26680 | .07900 | -.00280 | .00060 | -.00170 | -9.93000 | .03000 |
| .899 | 17.990 | .75280 | .08930 | .68850 | .31740 | .08560 | -.00420 | .00020 | -.00200 | -9.93000 | .03000 |
| | GRADIENT | .06076 | -.00095 | .05898 | -.00302 | -.00623 | -.00013 | -.00018 | -.00003 | .01984 | .01399 |

RUN NO. 271/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.990 | -.34710 | .11810 | -.34280 | .13010 | .17900 | .00190 | .00090 | -.00060 | -9.96000 | .01000 |
| .949 | .010 | -.21600 | .11870 | -.21600 | .11870 | .16260 | .00190 | .00060 | -.00060 | -9.97000 | .00000 |
| .950 | 1.970 | -.08280 | .11660 | -.08670 | .11360 | .14010 | .00140 | .00030 | -.00060 | -9.98000 | .02000 |
| .949 | 4.030 | .05960 | .11380 | .05150 | .11770 | .11330 | .00160 | .00000 | -.00070 | -10.00000 | .02000 |
| .950 | 5.990 | .19240 | .11180 | .17970 | .13130 | .09070 | .00130 | -.00050 | -.00060 | -10.05000 | -.02000 |
| .950 | 7.990 | .31790 | .10690 | .29990 | .15000 | .07340 | .00000 | .00040 | -.00120 | -9.93000 | .00000 |
| .947 | 9.980 | .44380 | .10500 | .41890 | .18030 | .05740 | -.00150 | .00030 | -.00240 | -9.91000 | -.02000 |
| .949 | 11.970 | .55730 | .10420 | .52350 | .21750 | .04760 | -.00260 | .00030 | -.00380 | -9.92000 | -.02000 |
| .950 | 13.990 | .65450 | .10380 | .61000 | .25900 | .04710 | -.00360 | .00060 | -.00460 | -9.90000 | -.05000 |
| .948 | 15.990 | .75620 | .10420 | .69830 | .30850 | .04310 | -.00250 | .00050 | -.00680 | -9.89000 | .06000 |
| .948 | 17.970 | .86630 | .10570 | .79140 | .36780 | .04330 | -.00060 | -.00090 | .00120 | -9.93000 | .14000 |
| | GRADIENT | .06760 | -.00075 | .06555 | -.00210 | -.01098 | -.00007 | -.00015 | -.00002 | -.00650 | .00249 |

ARC 200-1 11(LA77) OV101 (R2B146) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 261/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.950 | -.31580 | .15760 | -.31020 | .16830 | .17470 | .00230 | .00080 | -.00050 | -9.94000 | .01000 |
| 1.047 | -.020 | -.18450 | .15760 | -.18440 | .15760 | .15310 | .00200 | .00060 | -.00070 | -9.93000 | -.01000 |
| 1.046 | 2.070 | -.04210 | .15720 | -.04780 | .15560 | .12650 | .00240 | .00010 | -.00080 | -9.94000 | -.02000 |
| 1.046 | 3.990 | .08880 | .15700 | .07760 | .16280 | .10050 | .00210 | -.00040 | -.00100 | -9.96000 | .01000 |
| 1.049 | 6.040 | .21880 | .15430 | .20130 | .17640 | .07740 | .00170 | .00000 | -.00090 | -9.95000 | .01000 |
| 1.047 | 8.030 | .33610 | .15270 | .31150 | .19820 | .06330 | .00050 | .00040 | -.00050 | -9.89000 | .03000 |
| 1.046 | 10.070 | .45690 | .14920 | .42370 | .22680 | .05090 | -.00060 | .00010 | -.00040 | -9.91000 | .00000 |
| 1.048 | 11.940 | .56690 | .14570 | .52450 | .25980 | .04110 | .00080 | .00000 | -.00130 | -9.92000 | -.01000 |
| 1.047 | 14.010 | .67970 | .14380 | .62470 | .30400 | .03490 | -.00070 | -.00030 | -.00070 | -9.94000 | -.02000 |
| 1.047 | 15.970 | .78670 | .14170 | .71730 | .35270 | .02800 | .00140 | -.00130 | -.00170 | -9.95000 | -.01000 |
| 1.048 | 17.990 | .90130 | .13630 | .81520 | .40790 | .02050 | .00050 | -.00170 | -.00140 | -9.92000 | -.03000 |
| | GRADIENT | .06812 | -.00011 | .06529 | -.00093 | -.01252 | -.00001 | -.00021 | -.00008 | -.00352 | -.00053 |

ARC 200-1 11(LA77) OV101 (R2B147) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 272/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -1.970 | -.33580 | .12320 | -.33140 | .13470 | .16990 | -.03090 | .01760 | .01340 | -10.03000 | 5.01000 |
| .950 | .030 | -.21040 | .12420 | -.21040 | .12410 | .15620 | -.03170 | .01840 | .01360 | -10.03000 | 5.00000 |
| .948 | 1.950 | -.08520 | .11960 | -.08920 | .11670 | .13730 | -.03110 | .01760 | .01290 | -10.04000 | 5.01000 |
| .948 | 3.980 | .05540 | .11820 | .04700 | .12170 | .11300 | -.03070 | .01580 | .01240 | -10.09000 | 5.06000 |
| .950 | 6.060 | .19940 | .11450 | .18620 | .13490 | .08690 | -.02660 | .01260 | .01100 | -10.16000 | 5.11000 |
| .949 | 8.010 | .32020 | .10950 | .30180 | .15310 | .07070 | -.02520 | .01090 | .00900 | -10.12000 | 5.06000 |
| .949 | 9.970 | .44220 | .10780 | .41690 | .18270 | .05630 | -.02700 | .01180 | .00890 | -10.07000 | 5.14000 |
| .949 | 11.950 | .55080 | .10510 | .51710 | .21690 | .04950 | -.02260 | .00880 | .00630 | -10.08000 | 5.07000 |
| .948 | 13.950 | .65400 | .10650 | .60900 | .26110 | .04600 | -.01790 | .00770 | .00390 | -10.15000 | 4.97000 |
| .950 | 15.950 | .75870 | .10620 | .70030 | .31060 | .03930 | -.01130 | .00950 | -.00020 | -10.06000 | 5.00000 |
| .949 | 17.970 | .86020 | .10570 | .78560 | .36600 | .04070 | -.01640 | .01150 | -.00010 | -10.09000 | 5.01000 |
| | GRADIENT | .06570 | -.00099 | .06356 | -.00234 | -.00959 | .00006 | -.00031 | -.00019 | -.00964 | .00812 |

ARC 200-1 11(LA77) OV101 (R2B147) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 262/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.970 | -.32010 | .16220 | -.31440 | .17310 | .17310 | -.03130 | .01600 | .01510 | -10.02000 | 4.97000 |
| 1.049 | -.030 | -.18800 | .16270 | -.18800 | .16280 | .15240 | -.03120 | .01540 | .01500 | -10.08000 | 5.03000 |
| 1.047 | 2.020 | -.04800 | .16040 | -.05370 | .15860 | .12600 | -.03000 | .01390 | .01400 | -10.09000 | 5.03000 |
| 1.048 | 4.060 | .09020 | .15940 | .07870 | .16540 | .09930 | -.02920 | .01200 | .01330 | -10.09000 | 5.02000 |
| 1.048 | 5.970 | .21210 | .15680 | .19460 | .17800 | .07860 | -.02820 | .01130 | .01290 | -10.12000 | 4.99000 |
| 1.048 | 7.990 | .33170 | .15470 | .30700 | .19930 | .06360 | -.02830 | .01030 | .01300 | -10.09000 | 4.98000 |
| 1.048 | 9.990 | .45080 | .15130 | .41770 | .22720 | .05190 | -.02720 | .00910 | .01260 | -10.08000 | 5.01000 |
| 1.048 | 11.930 | .56230 | .14790 | .51960 | .26090 | .04280 | -.02130 | .00760 | .01040 | -10.10000 | 5.00000 |
| 1.047 | 14.000 | .67850 | .14620 | .62300 | .30600 | .03460 | -.01480 | .00890 | .00740 | -10.10000 | 5.00000 |
| 1.047 | 15.970 | .78670 | .14350 | .71680 | .35450 | .02730 | -.00960 | .00860 | .00520 | -10.09000 | 4.99000 |
| 1.048 | 17.990 | .89990 | .13890 | .81300 | .41000 | .02140 | -.01060 | .00850 | .00550 | -10.10000 | 5.01000 |
| | GRADIENT | .06807 | -.00053 | .06522 | -.00134 | -.01231 | .00037 | -.00067 | -.00032 | -.01084 | .00735 |

ARC 200-1 11(LA77) OV101 (R2B148) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 277/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.880 | -.07070 | .12460 | -.06650 | .12680 | -.00570 | .00170 | -.00040 | -.00070 | 9.95000 | -.12000 |
| .948 | .040 | .05480 | .12440 | .05470 | .12450 | -.02280 | .00230 | -.00090 | -.00060 | 9.95000 | -.13000 |
| .949 | 1.970 | .18570 | .12580 | .18130 | .13220 | -.04390 | .00140 | -.00080 | -.00060 | 10.00000 | -.05000 |
| .949 | 4.000 | .32170 | .12240 | .31240 | .14450 | -.06600 | .00120 | -.00100 | -.00070 | 10.00000 | -.08000 |
| .948 | 5.980 | .45090 | .12050 | .43590 | .16680 | -.08500 | .00120 | -.00120 | -.00060 | 9.99000 | -.07000 |
| .948 | 8.010 | .57240 | .11690 | .55050 | .19550 | -.09940 | .00160 | -.00150 | -.00170 | 10.00000 | -.08000 |
| .949 | 9.990 | .69200 | .11730 | .66120 | .23550 | -.11190 | -.00090 | -.00020 | -.00200 | 9.96000 | -.06000 |
| .949 | 11.960 | .79440 | .11670 | .75300 | .27880 | -.11490 | -.00240 | .00010 | -.00350 | 9.97000 | -.08000 |
| .947 | 13.880 | .89150 | .11740 | .83740 | .32780 | -.11730 | -.00410 | .00000 | -.00370 | 9.95000 | -.09000 |
| .950 | 16.000 | 1.00810 | .12680 | .93410 | .39970 | -.12500 | -.00720 | .00150 | -.00490 | 9.93000 | -.10000 |
| .949 | 17.970 | 1.10060 | .12510 | 1.00830 | .45850 | -.12270 | -.01250 | .00170 | -.00400 | 9.90000 | -.08000 |
| | GRADIENT | .06685 | -.00027 | .06456 | .00313 | -.01033 | -.00012 | -.00009 | -.00000 | .01019 | .01014 |

ARC 200-1 11(LA77) OV101 (R2B148) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 267/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.800 | -.06590 | .16260 | -.06080 | .16460 | .00340 | .00150 | -.00030 | -.00030 | 9.83000 | -.09000 |
| 1.048 | .080 | .06230 | .16120 | .06210 | .16120 | -.01790 | .00140 | -.00040 | -.00040 | 9.77000 | -.06000 |
| 1.047 | 2.040 | .19350 | .16040 | .18770 | .16720 | -.04160 | .00100 | -.00080 | -.00030 | 9.79000 | -.09000 |
| 1.049 | 3.970 | .31940 | .16040 | .30750 | .18210 | -.06380 | .00050 | -.00060 | -.00030 | 9.74000 | -.09000 |
| 1.048 | 6.020 | .45000 | .15830 | .43090 | .20470 | -.08590 | .00020 | -.00120 | -.00030 | 9.81000 | -.07000 |
| 1.048 | 8.050 | .57320 | .15600 | .54570 | .23470 | -.10220 | -.00030 | -.00090 | -.00030 | 9.77000 | -.06000 |
| 1.047 | 10.010 | .68540 | .15270 | .64840 | .26960 | -.11110 | -.00040 | -.00100 | -.00050 | 9.81000 | -.09000 |
| 1.048 | 11.980 | .79800 | .15220 | .74900 | .31460 | -.11960 | -.00120 | -.00080 | -.00010 | 9.80000 | -.09000 |
| 1.048 | 14.040 | .91490 | .15330 | .85030 | .37080 | -.12760 | -.00250 | .00000 | .00020 | 9.77000 | -.09000 |
| 1.047 | 16.020 | 1.02320 | .15670 | .94020 | .43290 | -.13370 | -.00260 | -.00110 | .00050 | 9.78000 | -.11000 |
| 1.047 | 17.920 | 1.12720 | .15740 | 1.02400 | .49670 | -.14170 | .00090 | -.00210 | -.00100 | 9.77000 | -.03000 |
| | GRADIENT | .06679 | -.00038 | .06385 | .00305 | -.01169 | -.00018 | -.00007 | .00001 | -.01292 | -.00160 |

ARC 200-1 11(LA77) OV101 (R2B149) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 276/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.890 | -.07510 | .12690 | -.07090 | .12930 | -.00700 | -.07840 | -.00580 | .00840 | 10.01000 | -.07000 |
| .950 | .060 | .05330 | .12640 | .05310 | .12650 | -.02490 | -.07800 | -.00970 | .00860 | 10.01000 | -.07000 |
| .949 | 2.020 | .18380 | .12490 | .17930 | .13130 | -.04590 | -.07680 | -.01080 | .00870 | 9.99000 | -.07000 |
| .949 | 4.000 | .31850 | .12380 | .30910 | .14570 | -.06790 | -.07600 | -.01100 | .00820 | 9.96000 | -.07000 |
| .949 | 5.970 | .44800 | .12010 | .43310 | .16610 | -.08630 | -.07460 | -.01120 | .00780 | 9.94000 | -.06000 |
| .950 | 8.030 | .57000 | .11630 | .54820 | .19480 | -.09870 | -.07850 | -.01160 | .00990 | 9.96000 | -.08000 |
| .949 | 9.990 | .68730 | .11440 | .65700 | .23190 | -.11120 | -.08330 | -.01090 | .00690 | 9.95000 | -.08000 |
| .947 | 11.990 | .79590 | .11440 | .75480 | .27730 | -.11540 | -.07670 | -.01350 | .00930 | 9.98000 | -.06000 |
| .950 | 14.030 | .91110 | .12070 | .85470 | .33810 | -.12460 | -.07320 | -.01460 | .00780 | 9.93000 | -.05000 |
| .949 | 16.090 | 1.00600 | .12030 | .93330 | .39430 | -.12360 | -.07360 | -.01540 | .00620 | 9.91000 | -.04000 |
| .950 | 18.000 | 1.09590 | .12450 | 1.00380 | .45710 | -.12120 | -.07040 | -.01440 | .00450 | 9.95000 | -.03000 |
| | GRADIENT | .06680 | -.00055 | .06450 | .00276 | -.01038 | .00043 | -.00085 | -.00003 | -.00867 | .00000 |

ARC 200-1 II(LA77) OV101 (R28149) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 266/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -2.010 | -.08410 | .16570 | -.07820 | .16850 | .00410 | -.07460 | -.00680 | .00710 | 9.78000 | -.08000 |
| 1.048 | .010 | .04970 | .16410 | .04970 | .16410 | -.01870 | -.07220 | -.00950 | .00640 | 9.80000 | -.08000 |
| 1.048 | 2.040 | .18820 | .16380 | .18230 | .17050 | -.04210 | -.07140 | -.01030 | .00580 | 9.79000 | -.07000 |
| 1.047 | 4.040 | .31920 | .16260 | .30700 | .18470 | -.06480 | -.07040 | -.01030 | .00500 | 9.81000 | -.10000 |
| 1.049 | 5.970 | .44520 | .16070 | .42600 | .20620 | -.08610 | -.06800 | -.01050 | .00420 | 9.79000 | -.06000 |
| 1.046 | 8.030 | .57370 | .15970 | .54570 | .23820 | -.10240 | -.06790 | -.01100 | .00440 | 9.79000 | -.09000 |
| 1.048 | 10.000 | .69060 | .15720 | .65280 | .27480 | -.11460 | -.06680 | -.01140 | .00430 | 9.83000 | -.07000 |
| 1.048 | 11.980 | .79740 | .15600 | .74760 | .31810 | -.11940 | -.07120 | -.01090 | .00560 | 9.80000 | -.06000 |
| 1.047 | 14.100 | .91380 | .15580 | .84830 | .37370 | -.12560 | -.07290 | -.01160 | .00490 | 9.77000 | -.07000 |
| 1.046 | 16.080 | 1.02210 | .15520 | .93910 | .43230 | -.13110 | -.07340 | -.01100 | .00360 | 9.77000 | -.09000 |
| 1.047 | 17.970 | 1.11630 | .15580 | 1.01380 | .49250 | -.13410 | -.07360 | -.01060 | .00110 | 9.75000 | -.10000 |
| | GRADIENT | .06682 | -.00048 | .06384 | .00272 | -.01140 | .00066 | -.00056 | -.00034 | .00396 | -.00247 |

ARC 200-1 II(LA77) OV101 (R28150) ( 05 DEC 79 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 282/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.910 | -.16400 | .08690 | -.16100 | .09230 | .05430 | -.09870 | -.00180 | .01580 | -.01000 | -.03000 |
| .901 | .080 | -.04740 | .08760 | -.04750 | .08750 | .04580 | -.09740 | -.00360 | .01580 | -.01000 | -.04000 |
| .899 | 2.070 | .06470 | .08490 | .06160 | .08720 | .03940 | -.09690 | -.00410 | .01550 | -.03000 | -.05000 |
| .899 | 4.050 | .17370 | .08360 | .16730 | .09560 | .03410 | -.09680 | -.00460 | .01530 | -.03000 | -.06000 |
| .899 | 5.970 | .27070 | .08100 | .26080 | .10870 | .03400 | -.09260 | -.00710 | .01310 | -.03000 | -.05000 |
| .901 | 8.090 | .37590 | .07970 | .36090 | .13180 | .03410 | -.09110 | -.00780 | .01210 | -.02000 | -.06000 |
| .898 | 10.010 | .47010 | .07820 | .44940 | .15870 | .03190 | -.08720 | -.00860 | .01160 | -.06000 | -.04000 |
| .900 | 12.060 | .56000 | .08000 | .53970 | .19710 | .02710 | -.08470 | -.01200 | .00990 | .01000 | -.05000 |
| .900 | 14.050 | .66830 | .08000 | .62880 | .23990 | .01900 | -.08190 | -.01120 | .00620 | -.12000 | -.02000 |
| .901 | 16.110 | .77600 | .07940 | .72350 | .29160 | .01440 | -.07830 | -.01020 | .00140 | -.01000 | -.08000 |
| .900 | 18.120 | .86580 | .07860 | .79840 | .34400 | .02140 | -.06820 | -.00930 | -.00690 | -.07000 | -.09000 |
| | GRADIENT | .05663 | -.00063 | .05506 | .00048 | -.00337 | .00031 | -.00045 | -.00009 | -.00403 | -.00503 |

ARC 200-1 11(LA77) OV101 (R28150) ( 05 DEC 79 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 275/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.950 | -.18740 | .10970 | -.18360 | .11600 | .07010 | -.08230 | -.00730 | .01040 | -.02000 | -.05000 |
| .951 | .060 | -.06060 | .11050 | -.06070 | .11040 | .05560 | -.08110 | -.01050 | .01020 | -.03000 | -.04000 |
| .949 | 2.090 | .06710 | .10980 | .06300 | .11220 | .03980 | -.08060 | -.01180 | .01020 | -.04000 | -.05000 |
| .949 | 3.980 | .18600 | .10620 | .17820 | .11880 | .02340 | -.08080 | -.01120 | .01070 | -.07000 | -.07000 |
| .950 | 6.010 | .31560 | .10670 | .30270 | .13910 | .00740 | -.08170 | -.01100 | .01120 | -.02000 | -.04000 |
| .951 | 8.040 | .43200 | .10210 | .41340 | .16150 | -.00300 | -.08510 | -.01090 | .01280 | -.05000 | -.03000 |
| .947 | 10.050 | .53940 | .09610 | .51430 | .18880 | -.00780 | -.08180 | -.01250 | .01140 | .00000 | -.03000 |
| .948 | 11.990 | .64330 | .09590 | .60940 | .22740 | -.01310 | -.07800 | -.01440 | .00940 | .03000 | -.05000 |
| .951 | 14.000 | .74620 | .09820 | .70020 | .27580 | -.01920 | -.07650 | -.01440 | .00870 | -.02000 | -.04000 |
| .949 | 16.040 | .85330 | .09850 | .79290 | .33040 | -.02140 | -.07450 | -.01630 | .00720 | -.05000 | -.02000 |
| .949 | 18.020 | .94300 | .09570 | .86720 | .38270 | -.01970 | -.06580 | -.01690 | .00310 | -.01000 | -.05000 |
| | GRADIENT | .06296 | -.00056 | .06100 | .00050 | -.00786 | .00025 | -.00066 | .00004 | -.00803 | -.00349 |

RUN NO. 265/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -1.860 | -.18150 | .15030 | -.17650 | .15610 | .08320 | -.07500 | -.00700 | .00740 | -.01000 | -.05000 |
| 1.049 | .090 | -.05300 | .14880 | -.05320 | .14870 | .06190 | -.07290 | -.01020 | .00670 | .00000 | -.04000 |
| 1.047 | 2.140 | .08110 | .14870 | .07550 | .15160 | .04100 | -.07210 | -.01150 | .00650 | .00000 | -.04000 |
| 1.047 | 3.990 | .20350 | .14820 | .19270 | .16190 | .01930 | -.07100 | -.01150 | .00570 | -.01000 | -.05000 |
| 1.047 | 6.080 | .33130 | .14640 | .31400 | .18070 | .00040 | -.07040 | -.01110 | .00550 | .02000 | -.03000 |
| 1.048 | 7.960 | .43810 | .14490 | .41380 | .20420 | -.00810 | -.07460 | -.01040 | .00770 | -.03000 | -.06000 |
| 1.047 | 9.980 | .55380 | .14160 | .52090 | .23540 | -.01810 | -.07500 | -.01130 | .00800 | -.03000 | -.07000 |
| 1.048 | 12.040 | .66460 | .13820 | .62110 | .27380 | -.02420 | -.07490 | -.01220 | .00660 | -.01000 | -.04000 |
| 1.047 | 14.020 | .77100 | .13690 | .71480 | .31950 | -.02980 | -.07720 | -.01210 | .00640 | -.01000 | -.03000 |
| 1.046 | 16.030 | .88110 | .13500 | .80960 | .37310 | -.03640 | -.07800 | -.01180 | .00470 | -.02000 | -.05000 |
| 1.047 | 18.050 | .99160 | .13250 | .90170 | .43320 | -.04450 | -.07560 | -.00960 | .00100 | .00000 | -.02000 |
| | GRADIENT | .06577 | -.00033 | .06307 | .00101 | -.01084 | .00065 | -.00076 | -.00027 | .00003 | .00003 |

ARC 200-1 11(LA77) OV101 (R2B151) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 274/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -1.980 | -.34960 | .11830 | -.34530 | .13030 | .17390 | -.09080 | -.00340 | .01200 | -9.96000 | .01000 |
| .949 | .010 | -.22120 | .11980 | -.22120 | .11970 | .15840 | -.09020 | -.00630 | .01210 | -9.97000 | .01000 |
| .950 | 1.970 | -.08940 | .11900 | -.09340 | .11590 | .13720 | -.09050 | -.00930 | .01220 | -9.97000 | .01000 |
| .949 | 3.980 | .05080 | .11550 | .04270 | .11870 | .11160 | -.09060 | -.01080 | .01240 | -9.98000 | .01000 |
| .950 | 6.070 | .19630 | .11000 | .18360 | .13020 | .08610 | -.08980 | -.01150 | .01270 | -9.84000 | .07000 |
| .949 | 8.040 | .31510 | .10670 | .29710 | .14970 | .07360 | -.08760 | -.01180 | .01190 | -9.94000 | -.02000 |
| .950 | 9.990 | .43730 | .10310 | .41280 | .17740 | .05860 | -.08520 | -.01270 | .01160 | -9.97000 | -.02000 |
| .948 | 11.990 | .55630 | .10090 | .52320 | .21430 | .04680 | -.08280 | -.01410 | .01080 | -9.94000 | .01000 |
| .948 | 14.010 | .66170 | .10330 | .61700 | .26040 | .04130 | -.08390 | -.01370 | .01140 | -9.93000 | .01000 |
| .951 | 16.090 | .76670 | .10430 | .70780 | .31270 | .03900 | -.07580 | -.01530 | .00800 | -9.89000 | -.03000 |
| .950 | 18.060 | .86290 | .10110 | .78900 | .36370 | .04160 | -.06570 | -.01680 | .00320 | -9.93000 | .02000 |
| | GRADIENT | .06719 | -.00047 | .06511 | -.00194 | -.01046 | .00002 | -.00127 | .00007 | -.00303 | .00000 |

RUN NO. 264/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.980 | -.32720 | .16250 | -.32140 | .17370 | .17490 | -.09120 | -.00490 | .01330 | -9.95000 | .04000 |
| 1.049 | -.020 | -.19410 | .16140 | -.19410 | .16150 | .15240 | -.08980 | -.00930 | .01290 | -9.95000 | .03000 |
| 1.047 | 2.040 | -.05050 | .16060 | -.05620 | .15870 | .12590 | -.08770 | -.01260 | .01230 | -9.90000 | -.02000 |
| 1.047 | 4.040 | .08560 | .15960 | .07410 | .16530 | .10010 | -.08470 | -.01260 | .01140 | -9.88000 | -.02000 |
| 1.046 | 5.990 | .20900 | .15890 | .19130 | .17980 | .08100 | -.08510 | -.01250 | .01150 | -9.93000 | .02000 |
| 1.049 | 8.030 | .32930 | .15720 | .30410 | .20160 | .06840 | -.08570 | -.01180 | .01180 | -9.89000 | -.01000 |
| 1.046 | 10.010 | .45590 | .15350 | .42230 | .23040 | .05080 | -.08530 | -.01320 | .01190 | -9.89000 | .00000 |
| 1.048 | 11.980 | .56650 | .14890 | .52330 | .26320 | .04270 | -.08130 | -.01370 | .00970 | -9.89000 | -.01000 |
| 1.047 | 14.080 | .68190 | .14510 | .62610 | .30660 | .03570 | -.08040 | -.01290 | .00760 | -9.90000 | .01000 |
| 1.046 | 16.110 | .79100 | .14040 | .72090 | .35440 | .03180 | -.07950 | -.01330 | .00540 | -9.87000 | .00000 |
| 1.047 | 18.030 | .90400 | .13450 | .81790 | .40770 | .01940 | -.07940 | -.00920 | .00270 | -9.92000 | .02000 |
| | GRADIENT | .06869 | -.00047 | .06583 | -.00138 | -.01247 | .00107 | -.00131 | -.00031 | .01296 | -.01146 |

ARC 200-1 11(LA77) OV101 (R28152) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 273/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -2.010 | -.34450 | .12450 | -.33990 | .13650 | .16400 | -.12440 | .01190 | .02740 | -10.06000 | 4.96000 |
| .950 | .030 | -.21710 | .12690 | -.21720 | .12670 | .15080 | -.12400 | .00930 | .02750 | -10.06000 | 4.96000 |
| .948 | 2.050 | -.08360 | .12140 | -.08810 | .11830 | .13000 | -.12370 | .00610 | .02740 | -10.08000 | 4.98000 |
| .950 | 3.980 | .04860 | .11650 | .04040 | .11960 | .10570 | -.12130 | .00280 | .02630 | -10.09000 | 4.98000 |
| .950 | 6.070 | .19530 | .11350 | .18220 | .13350 | .08160 | -.11790 | -.00050 | .02530 | -10.15000 | 4.97000 |
| .950 | 8.030 | .32070 | .10870 | .30230 | .15240 | .06590 | -.11630 | -.00200 | .02500 | -10.07000 | 4.99000 |
| .947 | 9.970 | .43330 | .10510 | .40860 | .17860 | .05630 | -.11330 | -.00300 | .02410 | -10.11000 | 5.02000 |
| .950 | 12.010 | .56170 | .10440 | .52770 | .21900 | .04130 | -.10440 | -.00590 | .02160 | -10.10000 | 5.01000 |
| .951 | 13.960 | .65940 | .10340 | .61500 | .25950 | .03690 | -.09440 | -.00690 | .01790 | -10.08000 | 5.03000 |
| .950 | 15.980 | .75220 | .10370 | .69460 | .30680 | .03810 | -.08170 | -.00630 | .01220 | -10.08000 | 5.00000 |
| .947 | 17.980 | .85530 | .10350 | .78160 | .36250 | .04140 | -.07150 | -.00690 | .00790 | -10.09000 | 5.01000 |
| | GRADIENT | .06565 | -.00147 | .06351 | -.00297 | -.00977 | .00048 | -.00152 | -.00017 | -.00549 | .00401 |

RUN NO. 263/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.990 | -.33210 | .16880 | -.32600 | .18020 | .17280 | -.11510 | .01160 | .02510 | -10.08000 | 5.01000 |
| 1.049 | .080 | -.19530 | .16670 | -.19550 | .16640 | .15180 | -.11490 | .00680 | .02470 | -10.09000 | 5.01000 |
| 1.048 | 2.020 | -.05940 | .16580 | -.06530 | .16360 | .12740 | -.11280 | .00290 | .02380 | -10.08000 | 4.99000 |
| 1.048 | 4.000 | .07680 | .16410 | .06520 | .16910 | .10120 | -.11050 | .00060 | .02260 | -10.13000 | 4.98000 |
| 1.047 | 5.980 | .20400 | .16240 | .18600 | .18270 | .08150 | -.10920 | .00000 | .02240 | -10.09000 | 5.01000 |
| 1.047 | 7.970 | .32330 | .16130 | .29790 | .20450 | .06900 | -.10960 | -.00040 | .02280 | -10.10000 | 5.02000 |
| 1.047 | 10.100 | .45750 | .15680 | .42290 | .23460 | .05180 | -.10480 | -.00270 | .02150 | -10.10000 | 5.02000 |
| 1.047 | 11.970 | .56740 | .15210 | .52350 | .26650 | .04160 | -.09830 | -.00480 | .01850 | -10.10000 | 5.02000 |
| 1.046 | 14.080 | .68140 | .14890 | .62460 | .31020 | .03540 | -.09380 | -.00390 | .01540 | -10.08000 | 5.01000 |
| 1.048 | 16.030 | .78610 | .14360 | .71590 | .35500 | .03080 | -.08890 | -.00370 | .01160 | -10.08000 | 4.99000 |
| 1.046 | 18.010 | .89180 | .13940 | .80500 | .40830 | .02410 | -.08540 | -.00010 | .00690 | -10.05000 | 5.00000 |
| | GRADIENT | .06843 | -.00075 | .06547 | -.00184 | -.01201 | .00080 | -.00186 | -.00042 | -.00702 | -.00550 |

ARC 200-I 11(LA77) OV101 - TO + BETA (R28153) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 279/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.310 | .13170 | .11320 | .12120 | .12430 | .09630 | .13190 | .01720 | -.01990 | -9.95000 | .01000 |
| .949 | -4.230 | .13120 | .11260 | .12080 | .12360 | .09660 | .08760 | .01120 | -.01250 | -9.95000 | .01000 |
| .952 | -3.180 | .13120 | .11410 | .12080 | .12510 | .09770 | .06430 | .00860 | -.00880 | -9.95000 | .01000 |
| .948 | -2.120 | .12970 | .11210 | .11940 | .12300 | .10020 | .04210 | .00600 | -.00550 | -9.95000 | .01000 |
| .951 | -1.070 | .13010 | .11370 | .11970 | .12460 | .09990 | .02070 | .00350 | -.00250 | -9.95000 | .01000 |
| .949 | .000 | .12690 | .11170 | .11680 | .12230 | .10030 | -.00090 | .00060 | .00010 | -9.92000 | -.01000 |
| .950 | 1.020 | .12860 | .11280 | .11820 | .12360 | .10010 | -.02200 | -.00160 | .00280 | -9.92000 | -.01000 |
| .949 | 2.060 | .12720 | .11300 | .11690 | .12370 | .10010 | -.04530 | -.00400 | .00610 | -9.92000 | .00000 |
| .950 | 3.120 | .12360 | .11190 | .11340 | .12220 | .10060 | -.06710 | -.00720 | .00900 | -9.92000 | .00000 |
| .948 | 4.170 | .12210 | .11370 | .11180 | .12390 | .09950 | -.08970 | -.01120 | .01260 | -9.92000 | .00000 |
| .950 | 6.260 | .11700 | .11320 | .10680 | .12290 | .09740 | -.13690 | -.01570 | .01990 | -9.92000 | .01000 |
| .948 | 8.350 | .11530 | .11580 | .10480 | .12540 | .10300 | -.17910 | -.02110 | .02610 | -9.91000 | .00000 |
| | GRADIENT | -.00104 | -.00002 | -.00103 | -.00011 | .00032 | -.02098 | -.00258 | .00290 | .00477 | -.00175 |

RUN NO. 269/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -6.330 | .15170 | .15990 | .13730 | .17240 | .08970 | .12950 | .01630 | -.01900 | -9.97000 | .00000 |
| 1.048 | -4.250 | .15600 | .15810 | .14160 | .17120 | .08700 | .08700 | .01080 | -.01290 | -9.95000 | .02000 |
| 1.048 | -3.200 | .15510 | .15760 | .14070 | .17060 | .08690 | .06580 | .00840 | -.01010 | -9.95000 | .02000 |
| 1.049 | -2.140 | .15350 | .15740 | .13910 | .17020 | .08840 | .04430 | .00540 | -.00690 | -9.95000 | .04000 |
| 1.046 | -1.090 | .15140 | .15650 | .13720 | .16910 | .08970 | .02320 | .00230 | -.00380 | -9.95000 | .04000 |
| 1.047 | .000 | .15190 | .15630 | .13770 | .16890 | .08910 | .00130 | -.00050 | -.00090 | -9.96000 | .04000 |
| 1.048 | 1.010 | .15300 | .15670 | .13870 | .16950 | .08930 | -.01990 | -.00310 | .00210 | -9.95000 | .05000 |
| 1.046 | 2.080 | .15050 | .15780 | .13620 | .17040 | .09010 | -.04190 | -.00610 | .00510 | -9.95000 | .05000 |
| 1.049 | 3.100 | .15210 | .15880 | .13760 | .17150 | .08960 | -.06370 | -.00950 | .00870 | -9.95000 | .05000 |
| 1.047 | 4.170 | .14740 | .15970 | .13290 | .17200 | .09060 | -.08480 | -.01210 | .01170 | -9.95000 | .05000 |
| 1.049 | 6.250 | .14670 | .16080 | .13210 | .17300 | .08890 | -.12990 | -.01660 | .01800 | -9.96000 | .06000 |
| 1.048 | 8.[illegible]30 | .14780 | .16230 | .13310 | .17460 | .09470 | -.17240 | -.02210 | .02400 | -9.96000 | .05000 |
| | GRADIENT | -.00076 | .00017 | -.00077 | .00010 | .00040 | -.02046 | -.00275 | .00293 | -.00001 | .00380 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B154) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 283/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -6.310 | .22940 | .08440 | .22100 | .10440 | .03100 | .13940 | .00880 | -.02050 | -.03000 | -.04000 |
| .899 | -4.230 | .22880 | .08270 | .22060 | .10260 | .03180 | .09550 | .00570 | -.01460 | -.02000 | -.06000 |
| .900 | -3.190 | .22560 | .08270 | .21740 | .10220 | .03400 | .07170 | .00430 | -.01110 | -.01000 | -.06000 |
| .899 | -2.130 | .22200 | .08330 | .21380 | .10250 | .03740 | .04730 | .00290 | -.00740 | .00000 | -.08000 |
| .900 | -1.080 | .21780 | .08380 | .20960 | .10250 | .04040 | .02400 | .00110 | -.00410 | -.05000 | -.07000 |
| .900 | -.010 | .21550 | .08420 | .20730 | .10270 | .04150 | -.00040 | -.00020 | -.00070 | -.01000 | .00000 |
| .900 | 1.010 | .21840 | .08370 | .21020 | .10260 | .03970 | -.02170 | -.00220 | .00200 | -.04000 | -.05000 |
| .901 | 2.070 | .22110 | .08380 | .21290 | .10280 | .03720 | -.04530 | -.00430 | .00530 | -.04000 | -.05000 |
| .900 | 3.100 | .22100 | .08350 | .21280 | .10260 | .03600 | -.06970 | -.00610 | .00920 | -.05000 | -.06000 |
| .900 | 4.170 | .21660 | .08200 | .20860 | .10060 | .03460 | -.09290 | -.00790 | .01310 | -.04000 | -.05000 |
| .900 | 6.260 | .21200 | .08170 | .20400 | .09990 | .03220 | -.13950 | -.01000 | .01970 | -.04000 | -.05000 |
| .898 | 8.350 | .21400 | .08460 | .20580 | .10300 | .03430 | -.18200 | -.01260 | .02550 | -.03000 | -.05000 |
| | GRADIENT | -.00102 | .00001 | -.00100 | -.00010 | .00026 | -.02237 | -.00164 | .00323 | -.00428 | .00193 |

RUN NO. 278/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.290 | .25890 | .10790 | .24840 | .13040 | .01930 | .13100 | .01290 | -.02140 | -.03000 | .02000 |
| .949 | -4.220 | .26280 | .10600 | .25250 | .12860 | .01290 | .08470 | .00850 | -.01330 | -.05000 | -.01000 |
| .948 | -3.180 | .26170 | .10410 | .25160 | .12670 | .01220 | .06290 | .00600 | -.00980 | -.02000 | -.05000 |
| .952 | -2.120 | .26260 | .10550 | .25230 | .12810 | .01190 | .04100 | .00400 | -.00620 | -.02000 | -.06000 |
| .947 | -1.080 | .26090 | .10440 | .25070 | .12680 | .01330 | .02140 | .00120 | -.00330 | -.02000 | -.06000 |
| .949 | .000 | .26330 | .10650 | .25300 | .12900 | .01160 | .00120 | -.00110 | -.00080 | .00000 | -.08000 |
| .950 | 1.000 | .25070 | .10310 | .25070 | .12560 | .01180 | -.01760 | -.00290 | .00140 | .01000 | -.04000 |
| .950 | 2.050 | .25970 | .10410 | .24960 | .12650 | .01140 | -.03820 | -.00510 | .00430 | -.03000 | -.01000 |
| .949 | 3.080 | .25820 | .10390 | .24810 | .12610 | .01210 | -.05860 | -.00760 | .00720 | -.02000 | -.03000 |
| .949 | 4.140 | .25380 | .10560 | .24360 | .12730 | .01390 | -.08100 | -.01030 | .01100 | -.02000 | -.03000 |
| .949 | 6.230 | .23910 | .10500 | .22900 | .12540 | .02060 | -.13290 | -.01310 | .02020 | -.03000 | -.05000 |
| .946 | 8.330 | .23620 | .10900 | .22580 | .12920 | .02790 | -.17550 | -.01740 | .02600 | -.03000 | -.06000 |
| | GRADIENT | -.00084 | -.00010 | -.00082 | -.00018 | .00002 | -.01955 | -.00221 | .00278 | .00209 | .00157 |

ARC 200-1 !!(LA77) OV101 - TO + BETA (R2B154) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 268/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -6.310 | .28570 | .14900 | .27130 | .17390 | .00610 | .11040 | .01430 | -.01240 | .01000 | -.06000 |
| 1.048 | -4.240 | .27340 | .14700 | .25960 | .17010 | .00730 | .07200 | .00910 | -.00710 | .00000 | -.06000 |
| 1.049 | -3.190 | .27260 | .14640 | .25900 | .16950 | .00730 | .05370 | .00660 | -.00520 | -.01000 | -.05000 |
| 1.047 | -2.130 | .27030 | .14560 | .25670 | .16840 | .00910 | .03510 | .00420 | -.00330 | -.02000 | -.05000 |
| 1.047 | -1.080 | .26810 | .14510 | .25460 | .16770 | .00950 | .01860 | .00160 | -.00200 | -.02000 | -.05000 |
| 1.047 | .000 | .26810 | .14470 | .25460 | .16730 | .00950 | .00090 | -.00110 | -.00060 | -.01000 | -.05000 |
| 1.048 | 1.010 | .26830 | .14490 | .25480 | .16760 | .00950 | -.01580 | -.00330 | .00050 | -.01000 | -.06000 |
| 1.048 | 2.080 | .26820 | .14560 | .25460 | .16830 | .00910 | -.03380 | -.00570 | .00190 | .00000 | -.06000 |
| 1.048 | 3.110 | .26820 | .14630 | .25460 | .16900 | .00870 | -.05140 | -.00850 | .00340 | .00000 | -.07000 |
| 1.046 | 4.150 | .26600 | .14730 | .25220 | .16980 | .00920 | -.06950 | -.01120 | .00560 | .00000 | -.06000 |
| 1.048 | 6.260 | .26670 | .14960 | .25270 | .17210 | .00740 | -.11080 | -.01600 | .01080 | .00000 | -.08000 |
| 1.049 | 8.360 | .26800 | .15240 | .25380 | .17510 | .01330 | -.15830 | -.02170 | .01950 | .00000 | .00000 |
| | GRADIENT | -.00075 | .00001 | -.00074 | -.00005 | .00019 | -.01673 | -.00240 | .00142 | .00127 | -.00142 |

ARC 200-1 !!(LA77) OV101 (R2B155) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 311/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -2.010 | -.08190 | .06610 | -.07960 | .06890 | -.00540 | .00230 | -.00030 | -.00110 | -.01000 | -.02000 |
| .597 | -.090 | .00840 | .06710 | .00850 | .06700 | -.00580 | .00260 | -.00050 | -.00100 | -.02000 | -.02000 |
| .597 | 1.950 | .10230 | .06450 | .10000 | .06790 | -.00670 | .00250 | -.00090 | -.00100 | -.03000 | -.04000 |
| .597 | 3.970 | .19990 | .05820 | .19540 | .07190 | -.00810 | .00220 | -.00100 | -.00090 | -.03000 | -.06000 |
| .596 | 5.940 | .29810 | .04900 | .29150 | .07970 | -.01090 | .00160 | -.00110 | -.00110 | .00000 | -.04000 |
| .597 | 7.920 | .40090 | .03710 | .39190 | .09200 | -.01400 | .00130 | -.00130 | -.00120 | -.03000 | -.05000 |
| .596 | 9.970 | .50770 | .02300 | .49610 | .11050 | -.01580 | .00090 | -.00140 | -.00100 | -.02000 | -.03000 |
| .596 | 11.970 | .61190 | .00950 | .59660 | .13630 | -.01320 | -.00010 | -.00170 | -.00110 | -.02000 | -.05000 |
| .596 | 13.910 | .72020 | .00890 | .69690 | .18180 | -.01760 | -.00420 | .00100 | .00110 | -.01000 | -.06000 |
| .597 | 15.960 | .83090 | .01320 | .79520 | .24110 | -.02370 | -.00100 | .00050 | -.00120 | -.01000 | -.03000 |
| .597 | 17.990 | .95480 | .02020 | .90180 | .31410 | -.03370 | -.00050 | .00020 | -.00140 | -.02000 | -.05000 |
| | GRADIENT | .04701 | -.00133 | .04587 | .00050 | -.00045 | -.00002 | -.00013 | .00003 | -.00349 | -.00704 |

ARC 200-1 11(LA77) OV101 (R2B155) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 289/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.890 | -.10250 | .16010 | -.09720 | .16340 | .02890 | .00230 | -.00040 | -.00080 | .00000 | -.08000 |
| 1.199 | .010 | .02020 | .15940 | .02020 | .15940 | .00020 | .00230 | -.00030 | -.00090 | .01000 | -.10000 |
| 1.197 | 2.020 | .14240 | .15920 | .13670 | .16410 | -.02530 | .00170 | -.00030 | -.00080 | -.11000 | -.05000 |
| 1.198 | 3.950 | .25790 | .15970 | .24630 | .17710 | -.04880 | .00140 | -.00060 | -.00080 | .05000 | -.10000 |
| 1.198 | 5.950 | .37460 | .15960 | .35610 | .19760 | -.06880 | .00080 | -.00040 | -.00070 | -.10000 | -.06000 |
| 1.197 | 7.950 | .48750 | .15810 | .46090 | .22400 | -.08330 | .00030 | -.00090 | -.00060 | -.03000 | -.05000 |
| 1.198 | 9.930 | .58880 | .15320 | .55360 | .25240 | -.08870 | .00060 | -.00090 | -.00080 | -.04000 | -.05000 |
| 1.198 | 11.910 | .69940 | .15050 | .65330 | .29160 | -.09710 | .00200 | -.00110 | -.00140 | -.03000 | -.07000 |
| 1.198 | 13.970 | .81660 | .15190 | .75580 | .34460 | -.10670 | .00030 | -.00120 | -.00110 | -.04000 | -.06000 |
| 1.198 | 16.000 | .92580 | .15330 | .84770 | .40260 | -.11640 | .00070 | -.00120 | -.00100 | -.05000 | -.06000 |
| 1.196 | 17.950 | 1.02940 | .15450 | .93170 | .46430 | -.12360 | -.00090 | -.00090 | -.00060 | -.05000 | -.07000 |
| | GRADIENT | .06161 | -.00007 | .05872 | .00235 | -.01324 | -.00017 | -.00003 | .00001 | .00139 | -.00044 |

ARC 200-1 11(LA77) OV101 (R2B156) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 314/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -2.010 | -.24290 | .07790 | -.24010 | .08630 | .07270 | .00050 | .00160 | -.00060 | -9.95000 | .01000 |
| .596 | -.040 | -.15040 | .07930 | -.15040 | .07950 | .07070 | -.00010 | .00100 | -.00050 | -9.95000 | .00000 |
| .596 | 1.980 | -.06060 | .07770 | -.06320 | .07560 | .07210 | .00110 | .00010 | -.00060 | -9.95000 | .00000 |
| .595 | 3.950 | .03100 | .07290 | .02590 | .07480 | .07170 | .00120 | -.00010 | -.00060 | -9.96000 | .00000 |
| .596 | 5.940 | .12720 | .06500 | .11970 | .07780 | .07010 | .00060 | -.00010 | -.00060 | -9.95000 | .01000 |
| .596 | 7.950 | .22550 | .05370 | .21590 | .08440 | .06990 | .00040 | -.00010 | -.00060 | -9.95000 | .02000 |
| .596 | 9.910 | .32400 | .04100 | .31210 | .09610 | .06900 | .00020 | -.00020 | -.00060 | -9.95000 | .02000 |
| .596 | 11.960 | .43020 | .02670 | .41540 | .11530 | .07090 | -.00030 | -.00070 | -.00060 | -9.95000 | .03000 |
| .596 | 13.970 | .54390 | .01880 | .52320 | .14960 | .06810 | -.00310 | -.00060 | .00100 | -9.93000 | .02000 |
| .597 | 15.970 | .66070 | .01800 | .63030 | .19910 | .06160 | -.00100 | .00070 | -.00040 | -10.00000 | -.03000 |
| .597 | 17.960 | .77820 | .01940 | .73430 | .25830 | .05460 | -.00030 | .00020 | -.00140 | -9.91000 | .07000 |
| | GRADIENT | .04580 | -.00083 | .04448 | -.00193 | -.00008 | .00017 | -.00030 | -.00001 | -.00150 | -.00150 |

ARC 200-1 11(LA77) OV101 (R2B156) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 288/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.950 | -.20560 | .18320 | -.19930 | .19010 | .09870 | .00240 | .00070 | -.00050 | -9.94000 | .00000 |
| 1.201 | -.060 | -.07970 | .18130 | -.07950 | .18140 | .06720 | .00200 | .00040 | -.00060 | -9.95000 | .00000 |
| 1.201 | 2.010 | .05130 | .17920 | .04500 | .18090 | .03660 | .00140 | .00030 | -.00060 | -9.99000 | .03000 |
| 1.201 | 3.960 | .17020 | .17820 | .15750 | .18950 | .01310 | .00200 | -.00020 | -.00070 | -9.93000 | -.04000 |
| 1.200 | 5.950 | .28900 | .17650 | .26910 | .20550 | -.00890 | .00100 | -.00010 | -.00060 | -9.93000 | -.03000 |
| 1.199 | 7.930 | .40000 | .17280 | .37230 | .22630 | -.02350 | .00020 | -.00020 | -.00070 | -9.95000 | -.02000 |
| 1.200 | 9.960 | .51310 | .16790 | .47630 | .25410 | -.03400 | -.00050 | -.00020 | -.00080 | -9.92000 | -.03000 |
| 1.197 | 11.970 | .62530 | .16170 | .57820 | .28780 | -.04260 | -.00010 | -.00060 | -.00100 | -9.92000 | -.03000 |
| 1.196 | 13.960 | .74080 | .15890 | .68060 | .33290 | -.05350 | .00020 | -.00090 | -.00110 | -9.89000 | -.06000 |
| 1.198 | 16.000 | .85070 | .15200 | .77580 | .38060 | -.06280 | .00010 | -.00110 | -.00110 | -9.84000 | -.09000 |
| 1.199 | 17.950 | .95610 | .14970 | .86340 | .43710 | -.07170 | -.00090 | -.00100 | -.00100 | -9.95000 | -.06000 |
| | GRADIENT | .06355 | -.00086 | .06034 | -.00010 | -.01451 | -.00009 | -.00014 | -.00003 | -.00055 | -.00450 |

ARC 200-1 11(LA77) OV101 (R2B157) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 315/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -2.000 | -.08350 | .06410 | -.08120 | .06700 | -.00720 | -.07190 | -.00370 | .00630 | -.02000 | -.04000 |
| .596 | -.010 | .00950 | .06590 | .00950 | .06590 | -.00830 | -.07300 | -.00520 | .00650 | -.02000 | -.04000 |
| .597 | 1.980 | .10410 | .06400 | .10180 | .06750 | -.00940 | -.07300 | -.00670 | .00650 | -.01000 | -.04000 |
| .597 | 3.980 | .19980 | .05840 | .19520 | .07220 | -.01130 | -.07380 | -.00800 | .00660 | -.02000 | -.04000 |
| .597 | 5.960 | .30120 | .04960 | .29440 | .08060 | -.01450 | -.07460 | -.00950 | .00690 | -.02000 | -.06000 |
| .597 | 7.980 | .40630 | .03730 | .39720 | .09330 | -.01670 | -.07500 | -.01120 | .00720 | -.04000 | -.05000 |
| .596 | 9.980 | .51210 | .02240 | .50050 | .11080 | -.01810 | -.07360 | -.01390 | .00710 | .01000 | -.06000 |
| .596 | 12.010 | .62140 | .00820 | .60610 | .13740 | -.01880 | -.07330 | -.01540 | .00680 | -.01000 | -.06000 |
| .596 | 14.050 | .73530 | .00830 | .71130 | .18660 | -.02570 | -.07650 | -.01030 | .00800 | -.02000 | -.04000 |
| .598 | 16.039 | .83950 | .01340 | .80320 | .24470 | -.03000 | -.07810 | -.00870 | .00820 | -.01000 | -.04000 |
| .596 | 18.000 | .94260 | .01380 | .89220 | .30440 | -.02920 | -.07940 | -.01070 | .00860 | -.01000 | -.05000 |
| | GRADIENT | .04739 | -.00095 | .04624 | .00086 | -.00067 | -.00029 | -.00072 | .00005 | .00050 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B157) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 290/ 0 RN/L = 6.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -1.980 | -.11350 | .16340 | -.10780 | .16730 | .03140 | -.07430 | -.00710 | .00660 | -.05000 | -.03000 |
| 1.199 | .030 | .01300 | .16370 | .01300 | .16370 | .00220 | -.07270 | -.00770 | .00590 | -.12000 | -.07000 |
| 1.199 | 1.970 | .13270 | .16300 | .12700 | .16750 | -.02420 | -.07070 | -.00820 | .00520 | -.06000 | -.05000 |
| 1.199 | 3.970 | .25470 | .16190 | .24290 | .17920 | -.04810 | -.06830 | -.00880 | .00400 | -.01000 | -.07000 |
| 1.199 | 5.950 | .37110 | .16150 | .35240 | .19910 | -.06720 | -.06560 | -.00930 | .00270 | -.01000 | -.08000 |
| 1.198 | 7.970 | .48500 | .15980 | .45820 | .22550 | -.08050 | -.06890 | -.00860 | .00390 | -.03000 | -.07000 |
| 1.198 | 9.960 | .59290 | .15810 | .55670 | .25820 | -.08870 | -.06770 | -.00990 | .00320 | -.03000 | -.08000 |
| 1.197 | 11.990 | .70480 | .15540 | .65710 | .29840 | -.09710 | -.06800 | -.01000 | .00220 | -.01000 | -.07000 |
| 1.198 | 13.980 | .82170 | .15490 | .76000 | .34890 | -.11090 | -.06950 | -.00680 | .00120 | -.03000 | -.08000 |
| 1.197 | 16.020 | .93070 | .15520 | .85170 | .40610 | -.11850 | -.06780 | -.00670 | -.00100 | -.02000 | -.08000 |
| 1.197 | 17.970 | 1.02680 | .15380 | .92930 | .46300 | -.12260 | -.06550 | -.00780 | -.00450 | -.03000 | -.10000 |
| | GRADIENT | .06187 | -.00026 | .05892 | .00199 | -.01339 | .00101 | -.00028 | -.00043 | .00903 | -.00509 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B158) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 313/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -6.070 | .52530 | .01930 | .51400 | .11020 | -.02170 | .11070 | .01510 | -.01360 | -.02000 | -.07000 |
| .596 | -4.070 | .51840 | .02080 | .50700 | .11040 | -.01910 | .07230 | .00940 | -.00850 | -.02000 | -.06000 |
| .597 | -3.040 | .51450 | .02210 | .50290 | .11090 | -.01790 | .05270 | .00670 | -.00660 | -.02000 | -.06000 |
| .596 | -2.040 | .51210 | .02270 | .50040 | .11090 | -.01590 | .03510 | .00400 | -.00460 | -.02000 | -.06000 |
| .596 | -1.010 | .50970 | .02330 | .49800 | .11100 | -.01540 | .01720 | .00100 | -.00260 | .01000 | -.04000 |
| .596 | -.010 | .50620 | .02330 | .49460 | .11040 | -.01470 | .00050 | -.00180 | -.00100 | -.01000 | -.05000 |
| .596 | .980 | .50720 | .02400 | .49540 | .11140 | -.01500 | -.01560 | -.00400 | .00060 | -.01000 | -.07000 |
| .597 | 2.030 | .50970 | .02420 | .49780 | .11240 | -.01510 | -.03480 | -.00680 | .00250 | -.05000 | -.04000 |
| .596 | 3.070 | .51120 | .02380 | .49930 | .11220 | -.01650 | -.05310 | -.01000 | .00450 | .00000 | -.09000 |
| .597 | 4.110 | .50870 | .02280 | .49700 | .11070 | -.01770 | -.07180 | -.01330 | .00670 | .01000 | -.07000 |
| .596 | 6.170 | .50760 | .02170 | .49620 | .10920 | -.02170 | -.11610 | -.01780 | .01220 | .00000 | -.06000 |
| .596 | 8.240 | .51750 | .01880 | .50640 | .10820 | -.02100 | -.15750 | -.02290 | .01800 | -.02000 | -.07000 |
| | GRADIENT | -.00091 | .00027 | -.00095 | .00014 | .00019 | -.01743 | -.00274 | .00182 | .00165 | -.00197 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B158) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 291/ 0 RN/L = 6.91 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -6.180 | .60640 | .15750 | .56950 | .26120 | -.08890 | .10070 | .01220 | -.00710 | -.04000 | -.02000 |
| 1.197 | -4.130 | .60680 | .15650 | .57010 | .26010 | -.09060 | .06650 | .00790 | -.00480 | .03000 | -.04000 |
| 1.199 | -3.100 | .60300 | .15570 | .56660 | .25840 | -.08970 | .04910 | .00530 | -.00370 | -.04000 | -.12000 |
| 1.198 | -2.070 | .59940 | .15420 | .56340 | .25620 | -.08850 | .03250 | .00350 | -.00260 | .00000 | -.09000 |
| 1.198 | -1.010 | .59610 | .15330 | .56050 | .25450 | -.08850 | .01570 | .00120 | -.00170 | -.05000 | -.03000 |
| 1.198 | -.010 | .59140 | .15280 | .55590 | .25300 | -.08840 | .00030 | -.00080 | -.00090 | .00000 | .00000 |
| 1.199 | 1.000 | .59460 | .15340 | .55870 | .25470 | -.08870 | -.01440 | -.00300 | -.00020 | -.07000 | -.07000 |
| 1.199 | 2.080 | .59840 | .15490 | .56210 | .25710 | -.08980 | -.03200 | -.00490 | .00080 | -.10000 | -.08000 |
| 1.198 | 3.120 | .59690 | .15670 | .56040 | .25850 | -.08900 | -.04890 | -.00760 | .00170 | .00000 | -.09000 |
| 1.198 | 4.190 | .59450 | .15790 | .55780 | .25930 | -.08840 | -.06640 | -.00960 | .00310 | .00000 | -.10000 |
| 1.198 | 6.290 | .59440 | .15880 | .55760 | .26000 | -.08890 | -.10280 | -.01380 | .00510 | -.06000 | -.06000 |
| 1.199 | 8.390 | .59620 | .15790 | .55950 | .25950 | -.08570 | -.14000 | -.01850 | .00790 | -.09000 | -.06000 |
| | GRADIENT | -.00114 | .00017 | -.00116 | -.00001 | .00013 | -.01582 | -.00208 | .00090 | -.00349 | -.00275 |

ARC 200-1 11(LA77) OV101 (R2B159) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 316/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.950 | .09380 | .08200 | .09650 | .07870 | -.09200 | .00100 | .00020 | -.00030 | 9.98000 | -.04000 |
| .596 | .000 | .18480 | .08200 | .18480 | .08200 | -.09360 | .00140 | .00000 | -.00050 | 9.97000 | -.05000 |
| .596 | 2.060 | .28510 | .07830 | .28210 | .08850 | -.09620 | .00130 | -.00020 | -.00040 | 9.96000 | -.04000 |
| .596 | 4.040 | .38060 | .07170 | .37460 | .09830 | -.09830 | .00080 | -.00040 | -.00030 | 9.95000 | -.07000 |
| .597 | 6.090 | .48330 | .06210 | .47400 | .11300 | -.10140 | .00120 | -.00030 | -.00050 | 9.83000 | -.07000 |
| .597 | 8.090 | .59500 | .04980 | .58210 | .13300 | -.10790 | .00030 | -.00040 | -.00040 | 9.99000 | -.05000 |
| .596 | 10.140 | .70730 | .03470 | .69010 | .15870 | -.11060 | -.00040 | -.00090 | -.00020 | 10.00000 | -.04000 |
| .596 | 12.080 | .81810 | .02270 | .79520 | .19350 | -.11240 | -.00060 | -.00120 | -.00030 | 9.97000 | -.04000 |
| .596 | 14.090 | .92700 | .02550 | .89290 | .25040 | -.11600 | -.00200 | .00170 | .00000 | 10.00000 | -.07000 |
| .597 | 16.090 | 1.02120 | .03170 | .97240 | .31340 | -.11620 | -.00170 | .00160 | -.00100 | 9.96000 | -.03000 |
| .596 | 18.040 | 1.14200 | .04000 | 1.07340 | .39170 | -.12690 | -.00150 | -.00040 | -.00070 | 10.00000 | -.06000 |
| | GRADIENT | .04797 | -.00173 | .04651 | .00326 | -.00107 | -.00004 | -.00010 | .00001 | -.00499 | -.00397 |

ARC 200-1 11(LA77) OV101 (R2B160) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 312/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.980 | -.24590 | .07560 | -.24320 | .08400 | .07110 | -.07290 | -.00010 | .00630 | -10.00000 | .00000 |
| .597 | -.060 | -.15510 | .07780 | -.15500 | .07800 | .06900 | -.07290 | -.00200 | .00640 | -9.93000 | .00000 |
| .597 | 1.980 | -.06270 | .07670 | -.06530 | .07450 | .06910 | -.07250 | -.00420 | .00630 | -9.93000 | .01000 |
| .597 | 3.930 | .02930 | .07280 | .02430 | .07460 | .06840 | -.07320 | -.00560 | .00640 | -9.93000 | .01000 |
| .596 | 5.960 | .12810 | .06520 | .12060 | .07810 | .06710 | -.07350 | -.00700 | .00660 | -9.93000 | .01000 |
| .596 | 7.990 | .22870 | .05390 | .21900 | .08510 | .06670 | -.07490 | -.00880 | .00700 | -9.93000 | .01000 |
| .596 | 9.980 | .33030 | .03950 | .31840 | .09620 | .06770 | -.07270 | -.01120 | .00660 | -9.93000 | .01000 |
| .597 | 12.010 | .43550 | .02510 | .42070 | .11520 | .06690 | -.07140 | -.01330 | .00630 | -9.93000 | .01000 |
| .596 | 14.060 | .55650 | .01670 | .53580 | .15130 | .06190 | -.07310 | -.01210 | .00740 | -9.91000 | -.02000 |
| .597 | 16.020 | .66690 | .01830 | .63600 | .20170 | .05560 | -.07330 | -.00990 | .00680 | -9.95000 | .01000 |
| .596 | 17.990 | .77100 | .01450 | .72890 | .25190 | .05630 | -.07550 | -.00990 | .00730 | -9.95000 | .02000 |
| | GRADIENT | .04643 | -.00048 | .04512 | -.00160 | -.00040 | -.00002 | -.00095 | .00001 | .01056 | .00203 |

ARC 200-1 11(LA77) OV101 (R2B161) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 306/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -2.000 | -.09870 | .08610 | -.09570 | .08950 | -.00010 | .00180 | .00000 | -.00090 | -.06000 | -.03000 |
| .900 | .070 | .01960 | .08590 | .01950 | .08590 | -.00650 | .00200 | -.00020 | -.00090 | .00000 | -.02000 |
| .901 | 2.160 | .13820 | .08440 | .13500 | .08960 | -.01380 | .00130 | -.00060 | -.00090 | -.02000 | -.06000 |
| .901 | 3.970 | .23460 | .08390 | .22820 | .09990 | -.01770 | .00130 | -.00080 | -.00130 | -.03000 | -.07000 |
| .901 | 6.010 | .33550 | .08150 | .32520 | .11620 | -.02080 | .00120 | -.00120 | -.00170 | .02000 | -.02000 |
| .901 | 7.950 | .43240 | .08000 | .41720 | .13900 | -.02480 | .00050 | -.00110 | -.00160 | -.02000 | -.03000 |
| .900 | 10.020 | .54010 | .07900 | .51810 | .17180 | -.02880 | -.00090 | -.00090 | -.00120 | -.03000 | -.02000 |
| .900 | 11.960 | .62950 | .08060 | .59910 | .20940 | -.03380 | -.00230 | -.00100 | -.00120 | -.02000 | -.03000 |
| .902 | 14.000 | .73330 | .08680 | .69050 | .26160 | -.04520 | -.00230 | .00050 | -.00200 | -.03000 | -.04000 |
| .902 | 16.020 | .84920 | .08990 | .79140 | .32080 | -.05860 | -.00400 | .00080 | -.00190 | -.04000 | -.02000 |
| .900 | 17.910 | .95750 | .08970 | .88350 | .37980 | -.06440 | -.00680 | .00100 | -.00130 | -.03000 | -.04000 |
| | GRADIENT | .05595 | -.00041 | .05439 | .00170 | -.00301 | -.00011 | -.00014 | -.00006 | .00366 | -.00799 |

ARC 200-1 11(LA77) OV101 (R2B161) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 299/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.980 | -.11420 | .10860 | -.11040 | .11250 | .01040 | .00440 | -.00010 | -.00150 | -.03000 | -.05000 |
| .948 | .050 | .01250 | .11020 | .01240 | .11020 | -.00350 | .00380 | -.00040 | -.00150 | .00000 | -.06000 |
| .947 | 2.050 | .13950 | .10940 | .13550 | .11430 | -.02040 | .00330 | -.00060 | -.00130 | .03000 | -.05000 |
| .950 | 4.010 | .25970 | .10850 | .25140 | .12640 | -.03420 | .00200 | -.00080 | -.00120 | -.11000 | -.06000 |
| .949 | 5.940 | .37180 | .10540 | .35880 | .14330 | -.04520 | .00210 | -.00090 | -.00110 | .01000 | -.04000 |
| .949 | 7.970 | .48200 | .10030 | .46340 | .16610 | -.05280 | .00100 | -.00100 | -.00200 | -.02000 | -.01000 |
| .948 | 10.090 | .59200 | .09730 | .56580 | .19950 | -.05630 | .00060 | -.00110 | -.00350 | -.04000 | -.05000 |
| .947 | 11.800 | .67630 | .09900 | .64180 | .23520 | -.06060 | -.00090 | -.00180 | -.00270 | -.07000 | -.03000 |
| .949 | 14.010 | .79220 | .10350 | .74360 | .29220 | -.07280 | -.00470 | .00050 | -.00420 | .01000 | -.03000 |
| .948 | 15.070 | .91420 | .10840 | .84850 | .35720 | -.08460 | -.00500 | .00080 | -.00540 | -.04000 | -.08000 |
| .950 | 17.970 | 1.02880 | .10950 | .94480 | .42160 | -.09450 | -.01100 | .00160 | -.00500 | -.07000 | -.10000 |
| | GRADIENT | .06253 | -.00005 | .06052 | .00228 | -.00755 | -.00038 | -.00012 | .00005 | -.01036 | -.00100 |

RUN NO. 292/ 0 RN/L = 8.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -1.940 | -.12840 | .14940 | -.12330 | .15360 | .03420 | .00220 | -.00010 | -.00100 | .00000 | -.04000 |
| 1.049 | .000 | .00170 | .14960 | .00170 | .14960 | .01230 | .00200 | -.00040 | -.00090 | .01000 | -.04000 |
| 1.050 | 2.010 | .13750 | .15220 | .13210 | .15700 | -.01300 | .00170 | -.00050 | -.00100 | .00000 | -.05000 |
| 1.049 | 4.010 | .26790 | .15470 | .25640 | .17310 | -.03790 | .00150 | -.00070 | -.00100 | -.12000 | .01000 |
| 1.048 | 6.000 | .39030 | .15500 | .37190 | .19490 | -.05840 | .00140 | -.00140 | -.00110 | -.05000 | -.06000 |
| 1.048 | 7.910 | .49570 | .15240 | .47000 | .21920 | -.08880 | .00090 | -.00100 | -.00100 | -.05000 | -.06000 |
| 1.049 | 9.930 | .60640 | .14860 | .57170 | .25090 | -.07700 | -.00080 | -.00070 | -.00080 | -.04000 | -.08000 |
| 1.049 | 11.940 | .71400 | .14690 | .66810 | .29150 | -.08240 | .00220 | -.00130 | -.00170 | -.03000 | -.05000 |
| 1.048 | 13.880 | .81740 | .14790 | .75810 | .33960 | -.08800 | .00060 | -.00120 | -.00110 | -.02000 | -.03000 |
| 1.049 | 15.960 | .93690 | .15120 | .85920 | .40290 | -.09810 | .00110 | -.00240 | -.00150 | -.03000 | .00000 |
| 1.049 | 17.970 | 1.06450 | .15290 | .96550 | .47380 | -.11390 | -.00270 | -.00100 | -.00030 | -.05000 | -.06000 |
| | GRADIENT | .06670 | .00093 | .06392 | .00333 | -.01217 | -.00012 | -.00010 | -.00001 | -.01871 | .00708 |

ARC 200-1 11(LA77) OV101 (R2B162) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 309/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -2.000 | -.26260 | .10030 | -.25890 | .10940 | .10080 | .00080 | .00120 | -.00050 | -9.91000 | -.01000 |
| .900 | -.080 | -.14780 | .10050 | -.14770 | .10070 | .09000 | .00080 | .00100 | -.00050 | -9.91000 | -.01000 |
| .900 | 1.960 | -.02500 | .09950 | -.02830 | .09860 | .07800 | .00080 | .00070 | -.00050 | -9.94000 | .01000 |
| .900 | 3.940 | .10330 | .09660 | .09640 | .10340 | .05900 | .00050 | .00040 | -.00060 | -9.95000 | -.01000 |
| .900 | 5.940 | .23490 | .09410 | .22390 | .11790 | .03900 | .00040 | .00010 | -.00100 | -9.98000 | .00000 |
| .901 | 7.960 | .34700 | .09260 | .33090 | .13970 | .02950 | .00090 | -.00140 | -.00150 | -9.98000 | .01000 |
| .901 | 9.980 | .44760 | .09240 | .42480 | .16860 | .02900 | -.00110 | .00060 | -.00100 | -10.00000 | .00000 |
| .900 | 11.970 | .54060 | .09160 | .50980 | .20170 | .02660 | -.00230 | .00000 | -.00090 | -9.90000 | -.01000 |
| .898 | 13.990 | .62540 | .08950 | .58530 | .23800 | .02690 | -.00320 | .00090 | -.00130 | -9.92000 | .01000 |
| .899 | 15.960 | .72610 | .09100 | .67310 | .28710 | .02320 | -.00380 | .00110 | -.00160 | -9.93000 | .01000 |
| .899 | 17.980 | .82840 | .09090 | .75990 | .34210 | .02170 | -.00370 | .00030 | -.00210 | -9.92000 | .00000 |
| | GRADIENT | .06146 | -.00061 | .05969 | -.00100 | -.00692 | -.00005 | -.00014 | -.00002 | -.00758 | .00102 |

RUN NO. 300/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.950 | -.28930 | .11730 | -.28510 | .12710 | .13130 | .00160 | .00060 | -.00090 | -9.95000 | .00000 |
| .949 | .040 | -.16050 | .11710 | -.16060 | .11700 | .11430 | .00180 | .00050 | -.00080 | -9.96000 | -.01000 |
| .949 | 2.030 | -.02560 | .11860 | -.02980 | .11760 | .09330 | .00200 | .00030 | -.00100 | -9.97000 | -.02000 |
| .948 | 3.980 | .10900 | .11550 | .10070 | .12280 | .06760 | .00230 | .00000 | -.00110 | -9.94000 | .05000 |
| .949 | 6.030 | .24970 | .11460 | .23630 | .14020 | .04130 | .00230 | -.00040 | -.00130 | -9.97000 | .06000 |
| .950 | 7.940 | .36040 | .11120 | .34160 | .16000 | .02820 | .00150 | -.00030 | -.00210 | -9.97000 | .05000 |
| .949 | 10.080 | .49300 | .11080 | .46590 | .19540 | .01350 | -.00100 | .00040 | -.00280 | -9.88000 | .00000 |
| .948 | 12.020 | .59590 | .10830 | .56020 | .23000 | .00570 | -.00370 | -.00070 | -.00310 | -9.95000 | -.02000 |
| .946 | 13.960 | .69750 | .10760 | .65090 | .27270 | -.00370 | -.00370 | .00070 | -.00470 | -9.96000 | -.15000 |
| .952 | 16.040 | .81800 | .10810 | .75630 | .32990 | -.01410 | -.00570 | .00080 | -.00590 | -9.95000 | .01000 |
| .949 | 17.980 | .91010 | .10290 | .83380 | .37890 | -.01220 | -.01110 | .00190 | -.00500 | -9.95000 | .09000 |
| | GRADIENT | .06723 | -.00020 | .06512 | -.00063 | -.01072 | .00012 | -.00010 | -.00004 | .00099 | .00703 |

ARC 200-1 11(LA77) OV101 (R2B162) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 293/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -2.050 | -.27490 | .17100 | -.26860 | .18070 | .13310 | .00130 | .00060 | -.00050 | -9.93000 | .02000 |
| 1.049 | -.050 | -.14000 | .16890 | -.13980 | .16910 | .10890 | .00150 | .00060 | -.00060 | -9.92000 | -.01000 |
| 1.050 | 1.910 | -.00210 | .17000 | -.00770 | .16990 | .08040 | .00130 | .00020 | -.00070 | -9.96000 | .02000 |
| 1.050 | 3.920 | .13570 | .17040 | .12380 | .17920 | .05100 | .00180 | -.00010 | -.00090 | -10.00000 | .02000 |
| 1.049 | 5.910 | .26620 | .16970 | .24730 | .19620 | .02600 | .00160 | .00000 | -.00120 | -9.92000 | -.06000 |
| 1.048 | 7.930 | .38500 | .16970 | .35790 | .22120 | .01050 | .00030 | -.00020 | -.00080 | -10.00000 | .00000 |
| 1.050 | 9.960 | .50850 | .16770 | .47180 | .25310 | -.00570 | .00000 | -.00030 | -.00120 | -10.03000 | -.03000 |
| 1.049 | 11.970 | .62440 | .16430 | .57680 | .29020 | -.01740 | -.00050 | -.00080 | -.00050 | -9.90000 | .03000 |
| 1.050 | 13.960 | .73130 | .15910 | .67130 | .33090 | -.02330 | -.00220 | -.00050 | -.00010 | -10.03000 | -.02000 |
| 1.048 | 16.040 | .85040 | .15680 | .77390 | .38570 | -.03310 | -.00050 | -.00100 | -.00100 | -9.98000 | -.01000 |
| 1.050 | 17.960 | .97260 | .15330 | .87800 | .44580 | -.04860 | -.00370 | -.00060 | .00020 | -9.96000 | -.03000 |
| | GRADIENT | .06893 | -.00004 | .06589 | -.00018 | -.01383 | .00007 | -.00013 | -.00007 | -.01258 | .00149 |

ARC 200-1 11(LA77) OV101 (R2B163) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 301/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.960 | -.28190 | .12030 | -.27770 | .12980 | .12270 | -.03010 | .01780 | .01300 | -10.09000 | 5.01000 |
| .947 | .020 | -.15580 | .12120 | -.15590 | .12110 | .10770 | -.03060 | .01800 | .01290 | -10.13000 | 5.00000 |
| .951 | 2.020 | -.02410 | .12290 | -.02840 | .12200 | .08850 | -.03170 | .01710 | .01270 | -10.13000 | 5.02000 |
| .948 | 3.970 | .10910 | .11950 | .10060 | .12670 | .06400 | -.03000 | .01520 | .01180 | -10.21000 | 5.06000 |
| .949 | 6.090 | .25530 | .11700 | .24140 | .14340 | .03800 | -.02700 | .01180 | .01050 | -10.08000 | 5.04000 |
| .949 | 7.960 | .36730 | .11280 | .34810 | .16250 | .02380 | -.02460 | .00990 | .00860 | -10.10000 | 5.07000 |
| .948 | 10.010 | .48930 | .11300 | .46220 | .19630 | .01170 | -.02530 | .01100 | .00740 | -10.10000 | 5.09000 |
| .950 | 12.060 | .60680 | .11200 | .57000 | .23630 | -.00080 | -.02250 | .00730 | .00600 | -10.11000 | 4.98000 |
| .949 | 14.010 | .70480 | .10930 | .65730 | .27670 | -.00810 | -.01670 | .00750 | .00340 | -10.13000 | 4.95000 |
| .947 | 16.050 | .81430 | .10850 | .75250 | .32950 | -.01470 | -.01350 | .00970 | .00020 | -10.06000 | 4.97000 |
| .948 | 17.940 | .91320 | .10780 | .83560 | .38380 | -.01620 | -.01740 | .01130 | .00000 | -10.04000 | 4.97000 |
| | GRADIENT | .06592 | -.00003 | .06379 | -.00043 | -.00986 | -.00004 | -.00044 | -.00019 | -.01815 | .00857 |

ARC 200-1 11(LA77) OV101 (R2B163) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 294/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -1.950 | -.27130 | .17400 | -.26520 | .18320 | .12910 | -.03230 | .01580 | .01560 | -10.10000 | 5.01000 |
| 1.049 | .030 | -.13600 | .17180 | -.13610 | .17180 | .10560 | -.03230 | .01510 | .01520 | -10.09000 | 4.99000 |
| 1.051 | 2.070 | .00860 | .17300 | .00240 | .17320 | .07570 | -.03170 | .01370 | .01460 | -10.16000 | 5.04000 |
| 1.050 | 3.910 | .13560 | .17280 | .12350 | .18160 | .04810 | -.03100 | .01240 | .01410 | -10.04000 | 5.08000 |
| 1.050 | 5.910 | .26480 | .17220 | .24570 | .19860 | .02450 | -.03050 | .01130 | .01350 | -10.14000 | 5.03000 |
| 1.053 | 8.020 | .39130 | .17300 | .36340 | .22590 | .00660 | -.02950 | .00990 | .01340 | -10.05000 | 4.98000 |
| 1.048 | 10.030 | .51140 | .16890 | .47420 | .25540 | -.00700 | -.02810 | .00840 | .01250 | -9.99000 | 5.04000 |
| 1.050 | 12.060 | .62580 | .16360 | .57780 | .29070 | -.01520 | -.02000 | .00690 | .00990 | -10.11000 | 4.92000 |
| 1.050 | 14.000 | .73490 | .16170 | .67400 | .33470 | -.02470 | -.01380 | .00860 | .00710 | -10.04000 | 4.98000 |
| 1.049 | 16.050 | .85100 | .15940 | .77380 | .38850 | -.03420 | -.01060 | .00770 | .00550 | -10.03000 | 4.96000 |
| 1.051 | 17.940 | .97420 | .15740 | .87840 | .44980 | -.05050 | -.01810 | .00930 | .00830 | -10.03000 | 4.99000 |
| | GRADIENT | .06959 | -.00012 | .06650 | -.00021 | -.01390 | .00023 | -.00059 | -.00026 | .00522 | .01319 |

ARC 200-1 11(LA77) OV101 (R2B164) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 310/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -2.010 | .00460 | .09970 | .00810 | .09950 | -.06760 | .00010 | .00080 | -.00030 | 10.02000 | -.05000 |
| .898 | -.030 | .12480 | .10150 | .12480 | .10150 | -.07620 | .00040 | .00050 | -.00050 | 10.00000 | -.04000 |
| .900 | 1.950 | .25320 | .10290 | .24950 | .11150 | -.09520 | .00070 | .00020 | -.00070 | 9.92000 | .00000 |
| .900 | 3.980 | .38460 | .10230 | .37650 | .12680 | -.11420 | .00100 | -.00010 | -.00090 | 10.00000 | -.03000 |
| .898 | 5.950 | .50320 | .10060 | .49000 | .15220 | -.12800 | .00030 | .00010 | -.00100 | 9.99000 | -.03000 |
| .899 | 7.930 | .60840 | .10010 | .58870 | .18310 | -.13520 | -.00110 | .00010 | -.00090 | 10.00000 | -.04000 |
| .898 | 9.920 | .71650 | .09680 | .68910 | .21870 | -.14060 | -.00170 | -.00040 | -.00080 | 10.00000 | -.05000 |
| .900 | 11.930 | .80960 | .09750 | .77200 | .26270 | -.14420 | -.00130 | -.00060 | -.00120 | 9.97000 | -.03000 |
| .900 | 13.980 | .91740 | .10460 | .86490 | .32310 | -.15610 | -.00410 | .00110 | -.00100 | 10.04000 | -.02000 |
| .899 | 15.990 | 1.02430 | .11040 | .95430 | .38830 | -.16700 | -.00450 | .00110 | -.00120 | 10.00000 | -.02000 |
| .900 | 17.980 | 1.11680 | .11050 | 1.02820 | .44970 | -.16260 | -.00820 | .00180 | -.00060 | 10.01000 | -.02000 |
| | GRADIENT | .06358 | .00046 | .06165 | .00492 | -.00786 | .00015 | -.00015 | -.00010 | -.00693 | .00497 |

ARC 200-1 11(LA77) OV101 (R2B164) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 302/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -1.930 | -.02630 | .12070 | -.02230 | .12150 | -.05030 | .00260 | -.00030 | -.00090 | 9.99000 | -.10000 |
| .949 | .030 | .10630 | .12190 | .10620 | .12190 | -.07090 | .00260 | -.00080 | -.00090 | 9.97000 | -.09000 |
| .947 | 2.040 | .24420 | .12110 | .23970 | .12970 | -.09530 | .00250 | -.00080 | -.00100 | 9.95000 | -.09000 |
| .949 | 3.960 | .37560 | .12330 | .36620 | .14890 | -.11890 | .00160 | -.00110 | -.00080 | 9.97000 | -.10000 |
| .948 | 6.010 | .50880 | .12050 | .49330 | .17310 | -.13950 | .00160 | -.00120 | -.00110 | 9.95000 | -.08000 |
| .948 | 7.920 | .62750 | .12120 | .60480 | .20650 | -.15580 | .00010 | -.00050 | -.00120 | 9.94000 | -.08000 |
| .949 | 10.050 | .75610 | .11960 | .72360 | .24980 | -.16820 | -.00100 | -.00020 | -.00280 | 9.97000 | -.10000 |
| .947 | 11.920 | .85710 | .11790 | .81420 | .29250 | -.17400 | -.00040 | -.00120 | -.00390 | 9.93000 | -.08000 |
| .948 | 13.980 | .95600 | .11780 | .89920 | .34520 | -.17800 | -.00520 | .00060 | -.00340 | 9.92000 | -.09000 |
| .948 | 16.030 | 1.06950 | .12080 | .99450 | .41140 | -.18570 | -.00600 | .00130 | -.00460 | 9.92000 | -.10000 |
| .950 | 17.960 | 1.16880 | .12210 | 1.07420 | .47650 | -.18700 | -.01120 | .00150 | -.00430 | 9.86000 | -.05000 |
| | GRADIENT | .06827 | .00035 | .06601 | .00456 | -.01170 | -.00016 | -.00012 | .00001 | -.00410 | .00001 |

RUN NO. 295/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -2.020 | -.02460 | .16600 | -.01870 | .16670 | -.04770 | .00130 | -.00050 | -.00030 | 9.97000 | -.09000 |
| 1.050 | .050 | .11730 | .16670 | .11710 | .16670 | -.07280 | .00080 | -.00080 | -.00050 | 9.98000 | -.09000 |
| 1.050 | 2.060 | .25350 | .16810 | .24730 | .17710 | -.09780 | .00090 | -.00080 | -.00050 | 9.98000 | -.09000 |
| 1.049 | 4.060 | .38440 | .17100 | .37130 | .19780 | -.12240 | .00040 | -.00070 | -.00040 | 9.96000 | -.08000 |
| 1.050 | 6.060 | .51010 | .16940 | .48930 | .22230 | -.14360 | .00050 | -.00100 | -.00040 | 9.88000 | -.03000 |
| 1.050 | 7.980 | .62660 | .16800 | .59720 | .25340 | -.15960 | -.00040 | -.00060 | -.00040 | 9.96000 | -.11000 |
| 1.049 | 10.010 | .74330 | .16580 | .70320 | .29250 | -.17000 | -.00010 | -.00120 | -.00030 | 9.87000 | -.17000 |
| 1.049 | 12.030 | .85720 | .16520 | .80390 | .34030 | -.17840 | .00260 | -.00160 | -.00180 | 9.96000 | -.09000 |
| 1.048 | 13.980 | .96560 | .16480 | .89720 | .39310 | -.18480 | .00220 | -.00120 | -.00170 | 9.96000 | -.10000 |
| 1.049 | 16.050 | 1.08070 | .16660 | .99250 | .45890 | -.19350 | .00030 | -.00180 | -.00090 | 9.94000 | -.09000 |
| 1.049 | 17.930 | 1.19730 | .16830 | 1.08740 | .52860 | -.20720 | -.00230 | -.00070 | .00010 | 9.90000 | -.07000 |
| | GRADIENT | .06732 | .00081 | .06421 | .00510 | -.01230 | -.00013 | -.00003 | -.00002 | -.00146 | .00147 |

ARC 200-1 11(LA77) OV101 (R2B165) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 303/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.940 | -.03150 | .11970 | -.02740 | .12070 | -.05230 | -.08020 | -.00690 | .00940 | 9.99000 | -.11000 |
| .950 | .070 | .10590 | .12400 | .10570 | .12420 | -.07370 | -.07900 | -.01030 | .00940 | 9.97000 | -.06000 |
| .948 | 2.070 | .24570 | .12370 | .24100 | .13250 | -.09850 | -.07860 | -.01090 | .00970 | 9.98000 | -.06000 |
| .948 | 3.980 | .37740 | .12370 | .36790 | .14960 | -.12260 | -.07750 | -.01080 | .00930 | 10.02000 | -.08000 |
| .947 | 6.020 | .51180 | .12270 | .49610 | .17570 | -.14320 | -.07780 | -.00980 | .00950 | 10.01000 | -.07000 |
| .948 | 7.950 | .63160 | .12240 | .60860 | .20850 | -.15750 | -.08150 | -.01090 | .01120 | 10.00000 | -.07000 |
| .948 | 10.080 | .75630 | .11950 | .72370 | .25010 | -.17110 | -.08150 | -.01140 | .00600 | 10.00000 | -.08000 |
| .947 | 11.950 | .86130 | .11620 | .81860 | .29200 | -.17840 | -.08030 | -.01160 | .00300 | 9.96000 | -.07000 |
| .948 | 14.040 | .97880 | .11940 | .92060 | .35340 | -.18610 | -.07460 | -.01360 | .00770 | 9.95000 | -.07000 |
| .947 | 16.070 | 1.08030 | .12300 | 1.00400 | .41720 | -.19170 | -.07400 | -.01380 | .00600 | 9.93000 | -.08000 |
| .950 | 18.000 | 1.17290 | .12470 | 1.07690 | .48110 | -.18980 | -.07120 | -.01390 | .00420 | 9.93000 | -.06000 |
| | GRADIENT | .06915 | .00060 | .06686 | .00479 | -.01192 | .00043 | -.00063 | .00000 | .00498 | .00464 |

RUN NO. 296/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.051 | -1.970 | -.02590 | .16790 | .02010 | .16870 | -.04960 | -.07510 | -.00700 | .00720 | 9.93000 | -.07000 |
| 1.050 | .060 | .11190 | .16870 | .11180 | .16880 | -.07390 | -.07410 | -.00990 | .00670 | 9.93000 | -.05000 |
| 1.050 | 2.080 | .25030 | .17010 | .24400 | .17910 | -.09880 | -.07250 | -.01060 | .00610 | 9.92000 | -.04000 |
| 1.049 | 4.070 | .38190 | .17060 | .36880 | .19730 | -.12290 | -.07010 | -.01040 | .00520 | 9.90000 | -.03000 |
| 1.050 | 6.090 | .51300 | .17090 | .49200 | .22420 | -.14540 | -.06890 | -.01060 | .00430 | 9.93000 | .03000 |
| 1.048 | 8.020 | .63210 | .17110 | .60210 | .25760 | -.15970 | -.06900 | -.01080 | .00500 | 9.80000 | .07000 |
| 1.049 | 10.030 | .75220 | .16960 | .71110 | .29810 | -.17350 | -.06930 | -.01100 | .00540 | 10.10000 | .08000 |
| 1.049 | 12.090 | .86470 | .16820 | .81030 | .34550 | -.17880 | -.07160 | -.01140 | .00600 | 9.87000 | -.10000 |
| 1.047 | 14.050 | .97720 | .16780 | .90720 | .40000 | -.18740 | -.07500 | -.01080 | .00600 | 9.92000 | -.08000 |
| 1.048 | 16.130 | 1.09120 | .16650 | 1.00190 | .46320 | -.19470 | -.07700 | -.01040 | .00510 | 9.90000 | -.07000 |
| 1.050 | 17.970 | 1.18680 | .16670 | 1.07750 | .52470 | -.19960 | -.07470 | -.00880 | .00130 | 9.94000 | -.03000 |
| | GRADIENT | .06762 | .00047 | .06450 | .00476 | -.01215 | .00082 | -.00054 | -.00033 | -.00496 | .00646 |

ARC 200-1 11(LA77) OV101 (R2B166) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 307/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -2.010 | -.10640 | .08700 | -.10320 | .09070 | -.00340 | -.09420 | -.00270 | .01390 | .03000 | -.05000 |
| .901 | .020 | .01100 | .08920 | .01100 | .08920 | -.01080 | -.09350 | -.00480 | .01400 | .01000 | -.03000 |
| .901 | 2.000 | .12500 | .08780 | .12190 | .09210 | -.01880 | -.09370 | -.00660 | .01400 | -.02000 | -.02000 |
| .900 | 3.920 | .23010 | .08550 | .22370 | .10100 | -.02450 | -.09280 | -.00730 | .01320 | .02000 | -.04000 |
| .902 | 5.890 | .33160 | .08270 | .32140 | .11640 | -.02730 | -.09300 | -.00870 | .01190 | -.01000 | -.04000 |
| .901 | 7.960 | .43910 | .08060 | .42370 | .14060 | -.03010 | -.09220 | -.01020 | .01040 | -.03000 | -.02000 |
| .902 | 10.070 | .54120 | .08080 | .51880 | .17410 | -.03340 | -.09060 | -.01160 | .00910 | .01000 | -.03000 |
| .902 | 11.990 | .63540 | .08030 | .60490 | .21050 | -.03920 | -.09030 | -.01180 | .00750 | -.01000 | -.02000 |
| .902 | 14.000 | .74120 | .08430 | .69880 | .26120 | -.05040 | -.08740 | -.00970 | .00340 | .02000 | -.04000 |
| .900 | 16.050 | .85380 | .08590 | .79680 | .31870 | -.06220 | -.08440 | -.00740 | -.00150 | -.01000 | -.04000 |
| .901 | 17.930 | .96230 | .08630 | .88900 | .37830 | -.06940 | -.08480 | -.00560 | -.00580 | -.03000 | -.02000 |
| | GRADIENT | .05684 | -.00029 | .05522 | .00169 | -.00361 | .00020 | -.00079 | -.00010 | -.00312 | .00208 |

RUN NO. 304/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.960 | -.11880 | .10880 | -.11510 | .11280 | .00930 | -.08190 | -.00670 | .01030 | -.03000 | -.05000 |
| .948 | .050 | .00880 | .10980 | .00870 | .10980 | -.00580 | -.08140 | -.00960 | .01070 | -.02000 | -.04000 |
| .949 | 2.040 | .13290 | .11030 | .12890 | .11500 | -.02160 | -.08380 | -.01100 | .01190 | -.01000 | -.04000 |
| .949 | 3.980 | .25150 | .10910 | .24330 | .12630 | -.03530 | -.08630 | -.01040 | .01310 | .00000 | -.06000 |
| .946 | 5.940 | .36530 | .10550 | .35240 | .14270 | -.04480 | -.09030 | -.01050 | .01460 | -.04000 | -.04000 |
| .949 | 8.010 | .48320 | .10210 | .46420 | .16850 | -.05490 | -.08940 | -.01100 | .01440 | -.09000 | .01000 |
| .947 | 10.070 | .59060 | .09830 | .56430 | .20010 | -.05860 | -.07970 | -.01430 | .01050 | -.02000 | -.08000 |
| .947 | 12.000 | .68600 | .09660 | .65090 | .23710 | -.06140 | -.07980 | -.01460 | .01040 | -.06000 | -.07000 |
| .947 | 14.000 | .79380 | .09970 | .74610 | .28880 | -.07130 | -.07810 | -.01480 | .00920 | -.08000 | -.05000 |
| .947 | 16.060 | .90980 | .10620 | .84490 | .35370 | -.08510 | -.07250 | -.01530 | .00600 | -.06000 | -.05000 |
| .949 | 18.020 | 1.03140 | .10750 | .94750 | .42130 | -.09630 | -.06680 | -.01670 | .00430 | -.02000 | -.03000 |
| | GRADIENT | .06235 | .00007 | .06035 | .00229 | -.00755 | -.00078 | -.00063 | .00048 | .00505 | -.00149 |

ARC 200-1 11(LA77) OV101 (R2B166) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 297/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.049 | -1.950 | -.13040 | .15330 | -.12520 | .15770 | .03070 | -.07540 | -.00690 | .00730 | -.04000 | -.06000 |
| 1.050 | .000 | -.00140 | .15370 | -.00140 | .15370 | .00880 | -.07390 | -.01030 | .00710 | .00000 | -.04000 |
| 1.049 | 2.010 | .13310 | .15520 | .12750 | .15980 | -.01470 | -.07280 | -.01140 | .00660 | .02000 | -.05000 |
| 1.049 | 4.010 | .26410 | .15660 | .25250 | .17470 | -.03870 | -.07110 | -.01120 | .00600 | -.05000 | .00000 |
| 1.048 | 6.010 | .38730 | .15750 | .36870 | .19720 | -.05730 | -.07170 | -.01130 | .00600 | -.04000 | -.04000 |
| 1.050 | 7.950 | .49910 | .15710 | .47260 | .22470 | -.06780 | -.07590 | -.01070 | .00790 | -.06000 | -.09000 |
| 1.049 | 9.960 | .60870 | .15420 | .57290 | .25720 | -.07530 | -.07480 | -.01260 | .00780 | -.02000 | -.03000 |
| 1.048 | 11.990 | .71820 | .15120 | .67110 | .29720 | -.08150 | -.07280 | -.01320 | .00600 | .01000 | -.06000 |
| 1.049 | 13.950 | .82720 | .14900 | .76690 | .34410 | -.08950 | -.07500 | -.01310 | .00530 | -.03000 | -.03000 |
| 1.050 | 16.040 | .94290 | .15050 | .86460 | .40530 | -.09710 | -.07740 | -.01270 | .00440 | -.01000 | -.02000 |
| 1.051 | 18.040 | 1.05690 | .15000 | .95850 | .46980 | -.10860 | -.07580 | -.00860 | .00100 | -.02000 | -.02000 |
| | GRADIENT | .06626 | .00057 | .06345 | .00288 | -.01165 | .00070 | -.00070 | -.00022 | -.00056 | .00855 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B167) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 309/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -6.310 | .29470 | .08920 | .28580 | .11450 | -.02920 | .14190 | .00870 | -.02220 | -.03000 | -.08000 |
| .902 | -4.240 | .29140 | .08440 | .28300 | .10930 | -.02700 | .09640 | .00540 | -.01540 | .05000 | -.10000 |
| .901 | -3.190 | .28770 | .08340 | .27950 | .10790 | -.02350 | .07120 | .00410 | -.01150 | -.01000 | -.02000 |
| .899 | -2.130 | .28380 | .08190 | .27570 | .10600 | -.01990 | .04750 | .00230 | -.00780 | -.01000 | -.03000 |
| .901 | -1.080 | .28500 | .08350 | .27660 | .10770 | -.01990 | .02430 | .00090 | -.00440 | -.01000 | -.03000 |
| .903 | .010 | .28460 | .08430 | .27630 | .10840 | -.02030 | .00090 | -.00080 | -.00130 | -.01000 | -.03000 |
| .901 | 1.020 | .28220 | .08230 | .27400 | .10630 | -.01910 | -.02100 | -.00240 | .00150 | -.01000 | -.03000 |
| .902 | 2.080 | .28610 | .08380 | .27780 | .10810 | -.02200 | -.04520 | -.00400 | .00500 | -.01000 | -.03000 |
| .901 | 3.110 | .28430 | .08300 | .27610 | .10720 | -.02300 | -.06820 | -.00580 | .00840 | -.01000 | -.04000 |
| .901 | 4.150 | .28420 | .08470 | .27590 | .10890 | -.02630 | -.09250 | -.00770 | .01270 | -.02000 | -.04000 |
| .902 | 6.260 | .28440 | .08880 | .27570 | .11280 | -.03210 | -.14170 | -.01050 | .02060 | -.02000 | -.04000 |
| .902 | 8.350 | .28650 | .08840 | .27780 | .11280 | -.02970 | -.18450 | -.01360 | .02710 | .00000 | -.05000 |
| | GRADIENT | -.00059 | .00004 | -.00059 | -.00001 | .00002 | -.02230 | -.00156 | .00323 | -.00445 | .00287 |

ARC 200-1 II(LA77) OV101 - TO + BETA (R2B167) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 305/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.290 | .31590 | .11130 | .30490 | .13870 | -.03640 | .13770 | .01290 | -.02460 | -.01000 | -.06000 |
| .947 | -4.210 | .31690 | .10730 | .30630 | .13450 | -.04080 | .09220 | .00820 | -.01680 | -.01000 | -.06000 |
| .950 | -3.170 | .31870 | .10820 | .30810 | .13560 | -.04230 | .06660 | .00610 | -.01180 | .00000 | -.08000 |
| .948 | -2.120 | .31690 | .10660 | .30650 | .13370 | -.04040 | .04520 | .00360 | -.00780 | -.08000 | -.03000 |
| .947 | -1.080 | .31720 | .10790 | .30660 | .13500 | -.04060 | .02340 | .00150 | -.00430 | .02000 | -.05000 |
| .949 | -.010 | .31600 | .10760 | .30540 | .13470 | -.04100 | .00220 | -.00110 | -.00120 | .02000 | -.06000 |
| .947 | 1.010 | .31630 | .10630 | .30590 | .13340 | -.04060 | -.01800 | -.00300 | .00160 | -.06000 | -.03000 |
| .949 | 2.070 | .31680 | .10710 | .30630 | .13420 | -.04200 | -.04090 | -.00550 | .00530 | -.03000 | -.03000 |
| .947 | 3.080 | .31280 | .10550 | .30240 | .13230 | -.04040 | -.06480 | -.00710 | .00940 | -.05000 | -.05000 |
| .949 | 4.140 | .31050 | .10880 | .29990 | .13530 | -.03990 | -.08680 | -.01030 | .01340 | .02000 | -.08000 |
| .948 | 6.240 | .30390 | .11100 | .29310 | .13690 | -.03860 | -.13740 | -.01430 | .02230 | .01000 | -.04000 |
| .947 | 8.330 | .30250 | .11370 | .29150 | .13960 | -.03230 | -.17830 | -.01850 | .02780 | .00000 | -.05000 |
| | GRADIENT | -.00071 | -.00004 | -.00070 | -.00012 | .00010 | -.02114 | -.00218 | .00346 | -.00015 | .00048 |

RUN NO. 298/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.049 | -6.300 | .34090 | .15790 | .32550 | .18760 | -.04980 | .11370 | .01450 | -.01410 | -.05000 | -.03000 |
| 1.049 | -4.230 | .33620 | .15570 | .32120 | .18470 | -.05030 | .07320 | .00910 | -.00800 | .02000 | -.04000 |
| 1.050 | -3.180 | .33560 | .15550 | .32070 | .18440 | -.05070 | .05370 | .00660 | -.00570 | .02000 | -.04000 |
| 1.049 | -2.130 | .33480 | .15530 | .31980 | .18410 | -.05000 | .03590 | .00430 | -.00390 | -.02000 | -.05000 |
| 1.049 | -1.080 | .33240 | .15580 | .31750 | .18430 | -.04960 | .01880 | .00170 | -.00240 | -.02000 | -.07000 |
| 1.050 | .000 | .33060 | .15690 | .31560 | .18520 | -.04950 | .00100 | -.00090 | -.00090 | -.03000 | -.08000 |
| 1.049 | 1.010 | .33170 | .15580 | .31670 | .18440 | -.04960 | -.01620 | -.00340 | .00040 | -.03000 | -.08000 |
| 1.049 | 2.080 | .33290 | .15680 | .31790 | .18540 | -.05020 | -.03430 | -.00580 | .00200 | .00000 | -.06000 |
| 1.050 | 3.110 | .33150 | .15650 | .31650 | .18500 | -.04960 | -.05200 | -.00860 | .00360 | .01000 | -.06000 |
| 1.049 | 4.160 | .32920 | .15700 | .31420 | .18520 | -.04930 | -.07000 | -.01150 | .00570 | .02000 | -.07000 |
| 1.049 | 6.250 | .32830 | .15920 | .31310 | .18730 | -.04970 | -.11320 | -.01600 | .01190 | .03000 | -.09000 |
| 1.049 | 8.350 | .33010 | .15950 | .31470 | .18800 | -.04410 | -.15960 | -.02170 | .02030 | -.07000 | -.13000 |
| | GRADIENT | -.00071 | .00018 | -.00072 | .00010 | .00011 | -.01693 | -.00244 | .00155 | -.00001 | -.00334 |

ARC 200-1 11(LA77) OV101 (R28168) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 349/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.990 | -.12520 | .05710 | -.12310 | .06150 | .02330 | .00350 | -.00010 | -.00100 | -.03000 | -.04000 |
| .597 | -.040 | -.03450 | .05810 | -.03450 | .05820 | .02210 | .00350 | -.00030 | -.00080 | -.03000 | -.04000 |
| .596 | 2.020 | .06020 | .05520 | .05820 | .05730 | .02230 | .00320 | -.00060 | -.00080 | -.03000 | -.04000 |
| .597 | 3.950 | .15310 | .04940 | .14930 | .05980 | .02160 | .00320 | -.00080 | -.00080 | -.03000 | -.04000 |
| .597 | 5.960 | .25150 | .04000 | .24600 | .06590 | .01960 | .00280 | -.00090 | -.00090 | -.05000 | -.04000 |
| .597 | 7.950 | .35510 | .02760 | .34790 | .07640 | .01680 | .00280 | -.00100 | -.00090 | -.05000 | -.04000 |
| .597 | 9.960 | .46020 | .01380 | .45090 | .09320 | .01520 | .00140 | -.00130 | -.00090 | -.04000 | .00000 |
| .596 | 11.970 | .56500 | -.00010 | .55270 | .11710 | .01730 | .00140 | -.00170 | -.00110 | -.01000 | -.09000 |
| .597 | 13.960 | .67580 | -.00190 | .65630 | .16130 | .01330 | -.00350 | .00110 | .00120 | -.03000 | -.03000 |
| .597 | 15.990 | .78530 | .00200 | .75430 | .21830 | .00830 | -.00030 | .00050 | -.00110 | -.01000 | -.05000 |
| .597 | 17.970 | .90370 | .00840 | .85700 | .28670 | -.00160 | -.00080 | .00040 | -.00120 | .00000 | -.06000 |
| | GRADIENT | .04676 | -.00131 | .04577 | -.00030 | -.00025 | -.00006 | -.00012 | .00003 | .00000 | .00000 |

RUN NO. 335/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.980 | -.13170 | .14750 | -.12650 | .15200 | .05350 | .00280 | -.00010 | -.00100 | .03000 | -.09000 |
| 1.198 | .010 | -.00600 | .14780 | -.00600 | .14780 | .02500 | .00300 | -.00010 | -.00090 | .00000 | -.06000 |
| 1.199 | 1.960 | .11270 | .14640 | .10770 | .15010 | .00100 | .00260 | -.00020 | -.00090 | -.05000 | -.04000 |
| 1.197 | 3.950 | .22870 | .14420 | .21820 | .15970 | -.01970 | .00190 | -.00050 | -.00080 | -.02000 | -.06000 |
| 1.198 | 5.940 | .34410 | .14170 | .32760 | .17660 | -.03910 | .00160 | -.00030 | -.00070 | -.02000 | -.06000 |
| 1.198 | 7.920 | .45320 | .13870 | .42980 | .19980 | -.05190 | .00110 | -.00060 | -.00070 | -.02000 | -.06000 |
| 1.198 | 9.960 | .56110 | .13360 | .52960 | .22870 | -.05830 | -.00090 | .00000 | -.00030 | -.01000 | -.05000 |
| 1.197 | 11.980 | .67120 | .13010 | .62950 | .26660 | -.06390 | .00070 | -.00090 | -.00120 | -.01000 | -.04000 |
| 1.197 | 13.940 | .77910 | .13150 | .72450 | .31530 | -.07270 | .00010 | -.00110 | -.00100 | .00000 | -.07000 |
| 1.197 | 15.980 | .89080 | .13340 | .81970 | .37350 | -.08260 | .00020 | -.00130 | -.00100 | .00000 | -.06000 |
| 1.196 | 17.960 | .99770 | .13350 | .90790 | .43460 | -.09130 | -.00060 | -.00090 | -.00070 | .00000 | -.07000 |
| | GRADIENT | .06079 | -.00057 | .05815 | .00129 | -.01234 | -.00016 | -.00007 | .00003 | -.01011 | .00557 |

ARC 200-1 11(LA77) OV101

(R2B169) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 350/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.980 | -.12580 | .05510 | -.12380 | .05940 | .01980 | -.07420 | -.00300 | .00680 | -.02000 | -.03000 |
| .597 | .000 | -.03460 | .05660 | -.03460 | .05660 | .01920 | -.07460 | -.00430 | .00700 | -.02000 | -.04000 |
| .597 | 2.050 | .06100 | .05420 | .05900 | .05630 | .01890 | -.07420 | -.00560 | .00680 | -.02000 | -.05000 |
| .596 | 3.980 | .15280 | .04890 | .14900 | .05940 | .01810 | -.07390 | -.00690 | .00660 | -.03000 | -.05000 |
| .597 | 5.960 | .25410 | .03970 | .24860 | .06590 | .01590 | -.07420 | -.00810 | .00670 | -.01000 | -.01000 |
| .596 | 7.980 | .35800 | .02720 | .35070 | .07670 | .01370 | -.07550 | -.00990 | .00710 | -.03000 | .00000 |
| .597 | 9.990 | .46450 | .01320 | .45510 | .09360 | .01230 | -.07450 | -.01270 | .00710 | -.04000 | -.02000 |
| .596 | 12.040 | .57350 | -.00100 | .56110 | .11860 | .01170 | -.07320 | -.01480 | .00670 | -.08000 | -.04000 |
| .597 | 14.020 | .68730 | -.00150 | .66720 | .16510 | .00520 | -.07610 | -.00990 | .00790 | -.09000 | -.09000 |
| .597 | 16.010 | .79350 | .00310 | .76190 | .22190 | -.00010 | -.07770 | -.00720 | .00860 | -.12000 | -.05000 |
| .597 | 18.000 | .89480 | .00250 | .85020 | .27890 | .00240 | -.07820 | -.01040 | .00850 | -.08000 | -.08000 |
| | GRADIENT | .04673 | -.00105 | .04576 | -.00002 | -.00027 | .00007 | -.00065 | -.00004 | -.00149 | -.00352 |

RUN NO. 336/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.970 | -.13680 | .14780 | -.13170 | .15240 | .05370 | -.07100 | -.00620 | .00500 | -.02000 | -.04000 |
| 1.199 | .030 | -.01180 | .14750 | -.01190 | .14740 | .02600 | -.06930 | -.00670 | .00450 | -.06000 | -.01000 |
| 1.198 | 1.990 | .10710 | .14660 | .10190 | .15020 | .00140 | -.06810 | -.00740 | .00370 | -.01000 | -.04000 |
| 1.196 | 3.980 | .22550 | .14520 | .21490 | .16050 | -.02000 | -.06520 | -.00800 | .00260 | -.02000 | -.03000 |
| 1.198 | 5.970 | .34110 | .14340 | .32440 | .17810 | -.03740 | -.06320 | -.00850 | .00130 | -.02000 | -.03000 |
| 1.198 | 7.960 | .45120 | .14000 | .42740 | .20110 | -.04920 | -.06580 | -.00790 | .00240 | -.04000 | -.02000 |
| 1.194 | 9.960 | .56380 | .13690 | .53160 | .23230 | -.05830 | -.06510 | -.00920 | .00180 | .01000 | -.03000 |
| 1.197 | 12.000 | .67050 | .13450 | .62790 | .27100 | -.06440 | -.06540 | -.00910 | .00100 | -.01000 | -.02000 |
| 1.197 | 14.020 | .78820 | .13400 | .73220 | .32100 | -.07730 | -.06640 | -.00660 | -.00040 | .00000 | -.04000 |
| 1.195 | 16.010 | .89600 | .13420 | .82420 | .37610 | -.08520 | -.06500 | -.00610 | -.00250 | .00000 | -.04000 |
| 1.197 | 17.990 | .99250 | .13200 | .90320 | .43210 | -.08880 | -.06330 | -.00730 | -.00580 | .01000 | -.05000 |
| | GRADIENT | .06087 | -.00044 | .05823 | .00137 | -.01240 | .00094 | -.00031 | -.00040 | .00249 | .00002 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B170) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 351/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -6.220 | .48210 | .01200 | .47260 | .09610 | .00710 | .11390 | .01480 | -.01290 | .00000 | -.07000 |
| .597 | -4.170 | .47520 | .01240 | .46570 | .09510 | .00970 | .07610 | .00960 | -.00870 | .00000 | -.09000 |
| .596 | -3.150 | .47240 | .01280 | .46290 | .09510 | .01120 | .05720 | .00710 | -.00670 | .02000 | -.06000 |
| .596 | -2.120 | .46960 | .01310 | .46010 | .09490 | .01360 | .03880 | .00450 | -.00460 | .02000 | -.07000 |
| .596 | -1.080 | .47010 | .01290 | .46060 | .09510 | .01430 | .02110 | .00180 | -.00280 | .03000 | -.07000 |
| .596 | .010 | .47260 | .01260 | .46300 | .09560 | .01470 | .00220 | -.00140 | -.00090 | .03000 | -.07000 |
| .597 | 1.080 | .46980 | .01290 | .46030 | .09490 | .01500 | -.01640 | -.00390 | .00100 | .02000 | -.05000 |
| .596 | 2.140 | .46780 | .01330 | .45840 | .09460 | .01450 | -.03630 | -.00640 | .00300 | .02000 | -.04000 |
| .596 | 3.160 | .46760 | .01350 | .45820 | .09440 | .01360 | -.05520 | -.00950 | .00490 | .02000 | -.04000 |
| .596 | 4.190 | .46370 | .01340 | .45430 | .09350 | .01200 | -.07470 | -.01260 | .00710 | -.01000 | -.05000 |
| .596 | 6.230 | .46370 | .01360 | .45440 | .09350 | .00780 | -.11630 | -.01670 | .01160 | -.01000 | -.07000 |
| .596 | 8.270 | .47270 | .01220 | .46350 | .09350 | .00770 | -.15490 | -.02140 | .01680 | .04000 | -.05000 |
| | GRADIENT | -.00102 | .00010 | -.00100 | -.00015 | .00030 | -.01789 | -.00263 | .00186 | -.00080 | .00476 |

RUN NO. 337/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -6.170 | .57520 | .13710 | .54250 | .23530 | -.05880 | .09530 | .01220 | -.00480 | .01000 | -.04000 |
| 1.195 | -4.130 | .57530 | .13660 | .54270 | .23460 | -.06010 | .06230 | .00840 | -.00320 | .02000 | -.04000 |
| 1.197 | -3.100 | .57040 | .13580 | .53820 | .23290 | -.05870 | .04670 | .00540 | -.00270 | .04000 | -.05000 |
| 1.197 | -2.070 | .56480 | .13430 | .53300 | .23020 | -.05690 | .03080 | .00360 | -.00200 | .05000 | -.07000 |
| 1.196 | -1.020 | .56210 | .13350 | .53050 | .22880 | -.05660 | .01540 | .00110 | -.00140 | .06000 | -.08000 |
| 1.195 | -.020 | .55920 | .13290 | .52790 | .22750 | -.05600 | .00090 | -.00100 | -.00090 | .02000 | -.04000 |
| 1.198 | 1.010 | .56110 | .13310 | .52950 | .22860 | -.05670 | -.01400 | -.00300 | -.00050 | .01000 | -.04000 |
| 1.197 | 2.060 | .56630 | .13430 | .53420 | .23090 | -.05860 | -.02990 | -.00530 | .00000 | .00000 | -.04000 |
| 1.198 | 3.110 | .56490 | .13520 | .53270 | .23160 | -.05790 | -.04580 | -.00770 | .00050 | .00000 | -.04000 |
| 1.196 | 4.190 | .56320 | .13670 | .53080 | .23270 | -.05720 | -.06320 | -.00950 | .00160 | .00000 | -.04000 |
| 1.198 | 6.260 | .56000 | .13830 | .52740 | .23350 | -.05750 | -.09880 | -.01290 | .00320 | -.01000 | -.05000 |
| 1.197 | 8.370 | .56360 | .13880 | .53080 | .23480 | -.05540 | -.13440 | -.01710 | .00510 | -.02000 | -.05000 |
| | GRADIENT | -.00101 | -.00003 | -.00100 | -.00016 | .00017 | -.01495 | -.00213 | .00054 | -.00562 | .00208 |

ARC 200-1 11(LA77) OV101 (R2B171) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 346/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.990 | -.14080 | .07300 | -.13820 | .07790 | .03200 | .00350 | .00040 | -.00120 | -.01000 | -.01000 |
| .900 | .010 | -.02490 | .07430 | -.02490 | .07430 | .02380 | .00340 | .00030 | -.00120 | -.01000 | -.01000 |
| .900 | 1.980 | .08840 | .07350 | .08580 | .07650 | .01770 | .00320 | -.00030 | -.00140 | -.04000 | -.02000 |
| .898 | 3.980 | .19290 | .07060 | .18750 | .08380 | .01500 | .00310 | -.00070 | -.00170 | -.04000 | -.02000 |
| .900 | 5.950 | .29550 | .06930 | .28680 | .09950 | .01070 | .00270 | -.00050 | -.00200 | .00000 | -.08000 |
| .900 | 8.000 | .39700 | .06840 | .38360 | .12300 | .00830 | .00270 | -.00150 | -.00230 | .02000 | -.06000 |
| .898 | 9.960 | .46500 | .06570 | .46630 | .14860 | .01050 | -.00020 | -.00060 | -.00150 | -.03000 | -.03000 |
| .900 | 11.950 | .58400 | .06640 | .55760 | .18590 | .00520 | .00080 | .00040 | -.00250 | .02000 | -.08000 |
| .898 | 13.980 | .67580 | .06810 | .63940 | .22930 | -.00150 | -.00100 | .00020 | -.00190 | -.09000 | .01000 |
| .900 | 15.960 | .78730 | .07280 | .73690 | .28640 | -.01040 | -.00210 | .00020 | -.00220 | -.02000 | -.03000 |
| .902 | 18.030 | .89800 | .07340 | .83120 | .34770 | -.01350 | -.00250 | -.00010 | -.00270 | .00000 | -.04000 |
| | GRADIENT | .05605 | -.00040 | .05472 | .00100 | -.00287 | -.00007 | -.00020 | -.00009 | -.00603 | -.00201 |

RUN NO. 341/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.970 | -.15740 | .09750 | -.15390 | .10290 | .04910 | .00380 | -.00030 | -.00120 | .00000 | -.05000 |
| .949 | .050 | -.03130 | .09680 | -.03130 | .09670 | .03330 | .00430 | -.00050 | -.00140 | .00000 | -.04000 |
| .947 | 2.060 | .09790 | .09400 | .09450 | .09740 | .01530 | .00450 | -.00050 | -.00170 | .01000 | -.04000 |
| .947 | 4.040 | .22200 | .09270 | .21490 | .10810 | -.00020 | .00390 | -.00060 | -.00170 | .01000 | -.04000 |
| .948 | 6.050 | .34090 | .08980 | .32950 | .12520 | -.01270 | .00340 | -.00030 | -.00180 | .00000 | -.04000 |
| .949 | 8.140 | .45300 | .08600 | .43620 | .14920 | -.01960 | .00190 | -.00040 | -.00260 | -.04000 | -.01000 |
| .949 | 10.130 | .56550 | .08570 | .54160 | .18390 | -.02860 | .00140 | -.00070 | -.00380 | .03000 | -.03000 |
| .948 | 12.100 | .66680 | .08570 | .63400 | .22350 | -.03300 | .00070 | .00010 | -.00500 | .03000 | -.06000 |
| .947 | 14.090 | .75850 | .08770 | .71440 | .26960 | -.03370 | -.00080 | .00060 | -.00600 | .01000 | -.04000 |
| .946 | 16.120 | .87730 | .09160 | .81740 | .33160 | -.04580 | -.00590 | .00120 | -.00550 | .04000 | -.07000 |
| .948 | 18.070 | .98180 | .09160 | .90500 | .39160 | -.04820 | -.01160 | .00140 | -.00530 | .01000 | -.05000 |
| | GRADIENT | .06324 | -.00086 | .06149 | .00080 | -.00828 | .00003 | -.00004 | -.00009 | .00200 | .00150 |

ARC 200-1 11(LA77) OV101 (R2B171) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 338/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -2.010 | -.16770 | .13630 | -.16280 | .14210 | .06550 | .00320 | -.00020 | -.00110 | .01000 | -.03000 |
| 1.049 | .010 | -.03290 | .13560 | -.03290 | .13560 | .04370 | .00310 | -.00030 | -.00130 | .01000 | -.03000 |
| 1.047 | 1.980 | .09770 | .13670 | .09290 | .14000 | .02130 | .00260 | -.00050 | -.00110 | .02000 | -.04000 |
| 1.049 | 4.000 | .22830 | .13770 | .21810 | .15330 | -.00190 | .00190 | -.00080 | -.00120 | -.03000 | -.01000 |
| 1.046 | 6.000 | .35010 | .13510 | .33410 | .17100 | -.02020 | .00200 | -.00100 | -.00110 | .01000 | -.02000 |
| 1.048 | 7.990 | .46240 | .13250 | .43950 | .19550 | -.03270 | .00140 | -.00060 | -.00100 | -.01000 | -.05000 |
| 1.049 | 9.940 | .56480 | .12910 | .53400 | .22460 | -.03860 | .00050 | -.00130 | -.00120 | -.01000 | -.05000 |
| 1.046 | 11.940 | .68100 | .12900 | .63960 | .26710 | -.04770 | .00240 | -.00100 | -.00220 | -.01000 | -.05000 |
| 1.046 | 13.970 | .79020 | .12990 | .73540 | .31690 | -.05310 | .00050 | -.00090 | -.00150 | -.01000 | -.06000 |
| 1.048 | 16.010 | .90160 | .13170 | .83030 | .37520 | -.06080 | .00110 | -.00220 | -.00160 | -.01000 | -.04000 |
| 1.047 | 17.980 | 1.03120 | .13130 | .94040 | .44310 | -.08030 | -.00410 | .00080 | .00010 | .05000 | -.08000 |
| | GRADIENT | .06593 | .00026 | .06342 | .00190 | -.01123 | -.00022 | -.00010 | -.00001 | -.00552 | .00251 |

ARC 200-1 11(LA77) OV101 (R2B172) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 347/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.990 | -.14560 | .07200 | -.14300 | .07700 | .02830 | -.09130 | -.00170 | .01290 | -.01000 | -.05000 |
| .899 | -.010 | -.03110 | .07350 | -.03110 | .07350 | .02080 | -.09060 | -.00390 | .01280 | .01000 | -.04000 |
| .899 | 2.000 | .08390 | .07290 | .08130 | .07580 | .01410 | -.09010 | -.00560 | .01260 | .02000 | -.03000 |
| .898 | 3.970 | .19330 | .07130 | .18790 | .08450 | .00820 | -.09000 | -.00640 | .01200 | .02000 | -.02000 |
| .899 | 5.970 | .29740 | .06940 | .28860 | .10000 | .00600 | -.08990 | -.00790 | .01080 | .00000 | -.01000 |
| .896 | 7.970 | .39550 | .06630 | .38250 | .12050 | .00660 | -.08980 | -.00890 | .00940 | -.03000 | -.01000 |
| .898 | 9.960 | .49030 | .06570 | .47160 | .14950 | .00470 | -.08760 | -.01040 | .00800 | -.04000 | -.01000 |
| .899 | 12.020 | .59110 | .06730 | .56410 | .18890 | -.00080 | -.08650 | -.01160 | .00570 | .02000 | -.08000 |
| .898 | 14.020 | .68910 | .06840 | .65200 | .23330 | -.00660 | -.08370 | -.01020 | .00220 | .00000 | -.07000 |
| .899 | 16.050 | .79760 | .07020 | .74710 | .28810 | -.01470 | -.08180 | -.00920 | -.00300 | .01000 | -.08000 |
| .899 | 18.030 | .89140 | .06800 | .82660 | .34060 | -.01540 | -.08230 | -.00770 | -.00650 | .00000 | -.08000 |
| | GRADIENT | .05690 | -.00014 | .05556 | .00125 | -.00337 | .00022 | -.00079 | -.00015 | .00503 | .00503 |

ARC 200-1 11(LA77) OV101 (R2B172) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 342/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.970 | -.16450 | .09760 | -.16100 | .10320 | .04790 | -.07980 | -.00660 | .00890 | -.01000 | -.05000 |
| .946 | .000 | -.03760 | .09530 | -.03760 | .09530 | .03140 | -.07880 | -.00930 | .00920 | -.02000 | -.04000 |
| .946 | 2.030 | .08720 | .09540 | .08380 | .09840 | .01740 | -.07820 | -.01060 | .00930 | -.03000 | -.03000 |
| .948 | 4.060 | .21410 | .09400 | .20690 | .10900 | .00230 | -.07830 | -.00980 | .00950 | -.06000 | -.02000 |
| .946 | 5.970 | .32720 | .09040 | .31610 | .12400 | -.00850 | -.08020 | -.00890 | .01060 | -.02000 | -.04000 |
| .947 | 8.040 | .44670 | .08830 | .42930 | .14990 | -.01940 | -.08060 | -.00970 | .01080 | -.03000 | -.05000 |
| .948 | 10.010 | .55490 | .08580 | .53160 | .18100 | -.02860 | -.07460 | -.01090 | .00520 | -.02000 | -.05000 |
| .947 | 12.020 | .66330 | .08420 | .63120 | .22040 | -.03400 | -.07180 | -.01290 | .00730 | -.02000 | -.05000 |
| .948 | 13.980 | .75960 | .08670 | .71610 | .26760 | -.03810 | -.07160 | -.01310 | .00680 | -.02000 | .05000 |
| .947 | 16.010 | .86290 | .08770 | .80520 | .32240 | -.04370 | -.06440 | -.01480 | .00290 | -.01000 | -.06000 |
| .949 | 17.950 | .97540 | .09020 | .90020 | .38640 | -.04920 | -.05930 | -.01670 | .00090 | -.01000 | -.04000 |
| | GRADIENT | .06265 | -.00053 | .06089 | .00103 | -.00749 | .00025 | -.00054 | .00009 | -.00796 | .00497 |

RUN NO. 339/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -2.000 | -.16970 | .13920 | -.16470 | .14500 | .06210 | -.07250 | -.00580 | .00560 | -.02000 | -.02000 |
| 1.049 | -.010 | -.03820 | .13830 | -.03820 | .13830 | .04070 | -.07040 | -.00920 | .00510 | -.02000 | -.02000 |
| 1.047 | 2.030 | .09550 | .13840 | .09060 | .14170 | .01970 | -.06930 | -.01040 | .00520 | -.01000 | -.02000 |
| 1.047 | 3.960 | .22280 | .13870 | .21270 | .15380 | -.00280 | -.06730 | -.01040 | .00420 | .00000 | -.01000 |
| 1.048 | 5.960 | .34510 | .13720 | .32900 | .17230 | -.02010 | -.06700 | -.01050 | .00410 | -.03000 | -.05000 |
| 1.047 | 8.010 | .46100 | .13610 | .43750 | .19900 | -.03010 | -.07170 | -.01010 | .00610 | -.04000 | -.05000 |
| 1.046 | 10.010 | .57390 | .13310 | .54210 | .23080 | -.04040 | -.07040 | -.01140 | .00560 | .00000 | -.06000 |
| 1.047 | 12.030 | .68590 | .13070 | .64360 | .27070 | -.04830 | -.06840 | -.01180 | .00410 | -.01000 | -.06000 |
| 1.047 | 14.020 | .79640 | .12960 | .74130 | .31860 | -.05490 | -.07110 | -.01150 | .00410 | -.03000 | -.04000 |
| 1.047 | 16.060 | .91090 | .12910 | .83970 | .37600 | -.06340 | -.07290 | -.00950 | .00270 | -.01000 | -.05000 |
| 1.047 | 18.030 | 1.02070 | .12900 | .93060 | .43870 | -.07300 | -.07050 | -.00860 | -.00130 | -.01000 | -.04000 |
| | GRADIENT | .06582 | -.00007 | .06330 | .00148 | -.01083 | .00084 | -.00076 | -.00020 | .00351 | .00149 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B173) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 348/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -5.320 | .25370 | .07160 | .24650 | .09350 | .00560 | .13840 | .00780 | -.01980 | .00000 | -.03000 |
| .899 | -4.240 | .25270 | .06980 | .24570 | .09150 | .00610 | .09630 | .00530 | -.01480 | .00000 | -.03000 |
| .899 | -3.190 | .25300 | .07040 | .24590 | .09200 | .00720 | .07360 | .00410 | -.01160 | .00000 | -.03000 |
| .898 | -2.130 | .25000 | .07000 | .24300 | .09140 | .01030 | .04990 | .00280 | -.00820 | .01000 | -.05000 |
| .900 | -1.080 | .24630 | .07100 | .23920 | .09190 | .01180 | .02590 | .00170 | -.00470 | -.01000 | -.03000 |
| .898 | .000 | .24210 | .06970 | .23520 | .09030 | .01360 | .00210 | -.00030 | -.00150 | -.01000 | -.02000 |
| .899 | 1.020 | .24480 | .06950 | .23780 | .09050 | .01190 | -.02010 | -.00220 | .00120 | -.01000 | -.02000 |
| .899 | 2.090 | .24770 | .07020 | .24070 | .09140 | .00940 | -.04450 | -.00370 | .00490 | -.01000 | -.02000 |
| .901 | 3.120 | .24800 | .07060 | .24090 | .09180 | .00810 | -.06820 | -.00550 | .00850 | -.01000 | -.02000 |
| .898 | 4.170 | .24160 | .06910 | .23480 | .08960 | .00800 | -.08990 | -.00690 | .01140 | -.01000 | -.03000 |
| .898 | 6.270 | .23890 | .07070 | .23200 | .09090 | .00490 | -.13550 | -.00870 | .01750 | .00000 | -.04000 |
| .901 | 8.360 | .24130 | .07350 | .23410 | .09400 | .00700 | -.17770 | -.01170 | .02350 | .00000 | -.04000 |
| | GRADIENT | -.00104 | -.00005 | -.00103 | -.00015 | .00014 | -.02226 | -.00150 | .00312 | -.00174 | .00159 |

RUN NO. 343/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -6.290 | .27770 | .09630 | .26810 | .12050 | .00010 | .13170 | .01220 | -.02140 | -.08000 | -.05000 |
| .948 | -4.220 | .27890 | .09340 | .26960 | .11750 | -.00530 | .08670 | .00800 | -.01390 | -.04000 | -.03000 |
| .948 | -3.180 | .27880 | .09140 | .26980 | .11530 | -.00630 | .06560 | .00570 | -.01050 | -.05000 | -.03000 |
| .948 | -2.120 | .28110 | .09410 | .27180 | .11840 | -.00660 | .04250 | .00410 | -.00670 | .09000 | .05000 |
| .948 | -1.080 | .27660 | .09060 | .26770 | .11430 | -.00610 | .02410 | .00140 | -.00450 | .02000 | -.06000 |
| .946 | -.010 | .27790 | .09180 | .26880 | .11570 | -.00620 | .00300 | -.00100 | -.00160 | .02000 | -.06000 |
| .948 | 1.010 | .27970 | .09230 | .27060 | .11640 | -.00680 | -.01650 | -.00310 | .00100 | .02000 | -.06000 |
| .948 | 2.070 | .27850 | .09230 | .26940 | .11620 | -.00700 | -.03660 | -.00530 | .00350 | .03000 | -.08000 |
| .948 | 3.090 | .27770 | .09200 | .26860 | .11590 | -.00660 | -.05680 | -.00770 | .00620 | .05000 | -.11000 |
| .947 | 4.150 | .27060 | .09300 | .25150 | .11620 | -.00330 | -.08050 | -.00690 | .01030 | .02000 | .01000 |
| .948 | 6.240 | .25030 | .09410 | .25120 | .11630 | .00040 | -.12930 | -.01240 | .01840 | -.02000 | -.05000 |
| .947 | 8.340 | .25810 | .09620 | .24870 | .11830 | .00620 | -.17100 | -.01730 | .02430 | -.03000 | -.04000 |
| | GRADIENT | -.00061 | -.00003 | -.00060 | -.00009 | .00009 | -.01968 | -.00209 | .00275 | .00670 | -.00541 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B173) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 340/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.049 | -6.200 | .30290 | .13920 | .28940 | .16560 | -.01460 | .10890 | .01330 | -.01190 | -.01000 | -.06000 |
| 1.047 | -4.160 | .29980 | .13770 | .28640 | .16370 | -.01420 | .07070 | .00810 | -.00710 | -.02000 | -.05000 |
| 1.046 | -3.100 | .30050 | .13760 | .28710 | .16370 | -.01430 | .05170 | .00600 | -.00470 | -.02000 | -.06000 |
| 1.049 | -2.080 | .29970 | .13720 | .28630 | .16330 | -.01360 | .03550 | .00380 | -.00340 | -.04000 | -.07000 |
| 1.048 | -1.040 | .29800 | .13660 | .28460 | .16260 | -.01300 | .01870 | .00140 | -.00230 | -.02000 | -.06000 |
| 1.048 | -.030 | .29610 | .13630 | .28290 | .16190 | -.01270 | .00230 | -.00080 | -.00100 | -.02000 | -.05000 |
| 1.048 | .980 | .29760 | .13630 | .28430 | .16220 | -.01280 | -.01400 | -.00300 | -.00010 | -.02000 | -.05000 |
| 1.048 | 2.020 | .29600 | .13730 | .28270 | .16290 | -.01340 | -.03080 | -.00530 | .00090 | -.01000 | -.05000 |
| 1.047 | 3.060 | .29420 | .13750 | .28090 | .16290 | -.01360 | -.04750 | -.00770 | .00210 | -.01000 | -.05000 |
| 1.048 | 4.110 | .29120 | .13780 | .27800 | .16280 | -.01330 | -.06490 | -.01050 | .00360 | .01000 | -.07000 |
| 1.047 | 6.210 | .29020 | .13960 | .27690 | .16450 | -.01520 | -.10680 | -.01450 | .00930 | .00000 | -.06000 |
| 1.049 | 8.300 | .29180 | .14130 | .27830 | .16640 | -.01050 | -.15170 | -.01980 | .01710 | -.01000 | -.07000 |
| | GRADIENT | -.00099 | .00000 | -.00097 | -.00012 | .00010 | -.01627 | -.00224 | .00120 | .00340 | -.00001 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28174) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 344/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -6.220 | .80440 | .08580 | .75530 | .28960 | -.03180 | .10810 | .01830 | -.01120 | .04000 | -.06000 |
| .948 | -4.160 | .81880 | .08930 | .76810 | .29730 | -.03940 | .07090 | .01280 | -.00950 | -.02000 | -.05000 |
| .948 | -3.110 | .81100 | .08780 | .76100 | .29380 | -.03820 | .05140 | .00950 | -.00830 | -.02000 | -.05000 |
| .948 | -2.070 | .80790 | .08800 | .75800 | .29300 | -.03680 | .03350 | .00600 | -.00710 | -.04000 | -.04000 |
| .946 | -1.020 | .81040 | .08930 | .76000 | .29510 | -.03810 | .01560 | .00300 | -.00650 | -.03000 | -.02000 |
| .947 | .040 | .80670 | .08960 | .75640 | .29430 | -.03800 | -.00210 | .00040 | -.00620 | -.03000 | -.04000 |
| .947 | 1.070 | .81030 | .09140 | .75940 | .29690 | -.04130 | -.01950 | -.00150 | -.00560 | -.02000 | -.04000 |
| .949 | 2.130 | .80860 | .08960 | .75830 | .29480 | -.04170 | -.03690 | -.00410 | -.00520 | -.01000 | -.05000 |
| .945 | 3.170 | .80780 | .08750 | .75810 | .29240 | -.04060 | -.05560 | -.00730 | -.00400 | .03000 | -.09000 |
| .951 | 4.180 | .82350 | .09020 | .77240 | .29960 | -.04610 | -.06840 | -.01380 | .00550 | .03000 | -.08000 |
| .945 | 6.300 | .79660 | .08580 | .74770 | .28780 | -.03540 | -.11220 | -.01890 | .00740 | -.01000 | -.04000 |
| .950 | 8.410 | .80790 | .08440 | .75880 | .28980 | -.03110 | -.14700 | -.02380 | .00800 | .00000 | -.05000 |
| | GRADIENT | .00016 | .00013 | .00013 | .00016 | -.00075 | -.01682 | -.00289 | .00123 | .00669 | -.00446 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B175) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 345/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.220 | .80670 | .08650 | .75730 | .29100 | -.03300 | .10770 | .01860 | -.01130 | .03000 | -.04000 |
| .947 | -4.220 | .81110 | .08800 | .76120 | .29360 | -.03840 | .07690 | .01020 | -.00100 | .02000 | -.03000 |
| .948 | -3.180 | .81370 | .08890 | .76340 | .29520 | -.04030 | .05730 | .00700 | -.00010 | .02000 | -.03000 |
| .947 | -2.140 | .81090 | .08900 | .76070 | .29450 | -.03870 | .04100 | .00370 | .00020 | .02000 | -.03000 |
| .948 | -1.090 | .80070 | .08770 | .75120 | .29070 | -.03620 | .02440 | .00080 | .00000 | .02000 | -.02000 |
| .949 | -.030 | .81620 | .09090 | .76500 | .29850 | -.04090 | .00690 | -.00200 | .00090 | .02000 | -.03000 |
| .946 | 1.010 | .80860 | .08930 | .75830 | .29480 | -.03960 | -.00950 | -.00420 | .00090 | .02000 | -.04000 |
| .949 | 2.090 | .80980 | .08910 | .75930 | .29500 | -.04190 | -.02880 | -.00660 | .00220 | .00000 | -.03000 |
| .946 | 3.160 | .81000 | .08720 | .76010 | .29320 | -.04130 | -.04880 | -.00990 | .00350 | .01000 | -.04000 |
| .948 | 4.220 | .81290 | .08780 | .76270 | .29460 | -.04160 | -.07080 | -.01370 | .00580 | -.03000 | .03000 |
| .948 | 6.350 | .80210 | .08720 | .75260 | .29090 | -.03650 | -.11220 | -.01930 | .00740 | -.06000 | -.05000 |
| .948 | 8.410 | .81450 | .08540 | .76490 | .29260 | -.03270 | -.14660 | -.02400 | .00810 | -.02000 | -.05000 |
| | GRADIENT | .00003 | -.00007 | .00001 | .00005 | -.00041 | -.01709 | -.00271 | .00068 | -.00428 | .00301 |

ARC 200-1 11(LA77) OV101 (R2B176) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 366/ 0 RN/L = 6.83 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.940 | -.15160 | .07400 | -.14900 | .07910 | .04910 | -.00130 | .00200 | -.00050 | -.06000 | -.03000 |
| .595 | -.100 | -.06750 | .07500 | -.06740 | .07510 | .04850 | -.00170 | .00180 | -.00040 | -.06000 | -.03000 |
| .595 | 1.980 | .03020 | .07200 | .02760 | .07300 | .04810 | -.00150 | .00170 | -.00030 | -.06000 | -.03000 |
| .596 | 3.980 | .12350 | .06560 | .11860 | .07410 | .04690 | -.00140 | .00150 | -.00010 | -.06000 | -.03000 |
| .596 | 5.980 | .22420 | .05590 | .21720 | .07900 | .04450 | -.00210 | .00170 | -.00030 | -.06000 | -.03000 |
| .596 | 7.910 | .32520 | .04360 | .31610 | .08800 | .04180 | -.00210 | .00160 | -.00030 | -.06000 | -.03000 |
| .596 | 9.900 | .42890 | .02960 | .41740 | .10290 | .04020 | -.00270 | .00100 | -.00030 | -.06000 | -.03000 |
| .595 | 13.860 | .64450 | .01250 | .62270 | .16650 | .03920 | -.00720 | .00180 | .00200 | -.06000 | -.03000 |
| .596 | 15.890 | .75850 | .01640 | .72500 | .22350 | .03150 | -.00350 | .00260 | -.00060 | -.06000 | -.03000 |
| .595 | 17.900 | .88110 | .01910 | .83260 | .28910 | .02040 | -.00360 | .00270 | -.00050 | -.06000 | -.03000 |
| | GRADIENT | .04653 | -.00144 | .04526 | -.00085 | -.00035 | -.00000 | -.00008 | .00007 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV10! (R2B176) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 352/ 0 RN/L = 7.14 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.194 | -2.060 | -.15830 | .16310 | -.15230 | .16870 | .08310 | .00260 | .00190 | -.00040 | -.06000 | -.03000 |
| 1.197 | -.060 | -.02870 | .16260 | -.02860 | .16260 | .05300 | .00280 | .00160 | -.00050 | -.06000 | -.03000 |
| 1.195 | 1.950 | .09400 | .16110 | .08850 | .16420 | .02710 | .00190 | .00140 | -.00060 | -.06000 | -.03000 |
| 1.195 | 3.930 | .21270 | .15900 | .20130 | .17330 | .00460 | .00180 | .00110 | -.00050 | -.06000 | -.03000 |
| 1.196 | 5.940 | .33050 | .15670 | .31250 | .19000 | -.01590 | .00150 | .00110 | -.00070 | -.06000 | -.03000 |
| 1.195 | 7.850 | .44350 | .15330 | .41840 | .21250 | -.03070 | .00060 | .00160 | -.00060 | -.06000 | -.03000 |
| 1.197 | 9.880 | .54790 | .14720 | .51450 | .23900 | -.03490 | -.00170 | .00200 | .00010 | -.06000 | -.03000 |
| 1.196 | 11.850 | .65820 | .14390 | .61460 | .27590 | -.04360 | -.00190 | .00140 | .00000 | -.06000 | -.03000 |
| 1.196 | 13.900 | .77100 | .14370 | .71390 | .32470 | -.05280 | -.00150 | .00090 | -.00030 | -.06000 | -.03000 |
| 1.196 | 15.850 | .87990 | .14540 | .80670 | .38010 | -.06210 | -.00190 | .00090 | -.00010 | -.06000 | -.03000 |
| 1.197 | 17.850 | .98430 | .14450 | .89270 | .43920 | -.07110 | -.00110 | .00080 | -.00030 | -.06000 | -.03000 |
| | GRADIENT | .06185 | -.00069 | .05896 | .00077 | -.01308 | -.00017 | -.00013 | -.00002 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV10! (R2B177) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 367/ 0 RN/L = 6.86 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .595 | -1.940 | -.14620 | .07250 | -.14670 | .07760 | [illegible] | -.07660 | [illegible] | .00660 | -.06000 | -.03000 |
| .595 | -.100 | -.06310 | .07350 | -.06300 | .07360 | .04330 | -.07590 | -.00160 | .00650 | -.06000 | -.03000 |
| .595 | 2.000 | .03460 | .07130 | .03210 | .07240 | .04280 | -.07600 | -.00310 | .00690 | -.06000 | -.03000 |
| .595 | 3.990 | .13070 | .06480 | .12590 | .07370 | .04050 | -.07610 | -.00430 | .00700 | -.06000 | -.03000 |
| .595 | 5.990 | .23180 | .05490 | .22480 | .07870 | .03720 | -.07680 | -.00550 | .00720 | -.06000 | -.03000 |
| .596 | 7.890 | .33130 | .04240 | .32230 | .08740 | .03530 | -.07710 | -.00720 | .00740 | -.06000 | -.03000 |
| .595 | 9.890 | .43410 | .02750 | .42290 | .10170 | .03430 | -.07530 | -.00980 | .00720 | -.06000 | -.03000 |
| .595 | 11.880 | .54160 | .01360 | .52720 | .12480 | .03320 | -.07580 | -.01170 | .00710 | -.06000 | -.03000 |
| .594 | 13.850 | .65460 | .01060 | .63300 | .16700 | .02710 | -.07930 | -.00770 | .00870 | -.06000 | -.03000 |
| .595 | 15.910 | .76860 | .01380 | .73540 | .22400 | .02270 | -.07950 | -.00620 | .00800 | -.06000 | -.03000 |
| .596 | 17.920 | .87330 | .01460 | .82640 | .28260 | .02100 | -.07950 | -.00630 | .00840 | -.06000 | -.03000 |
| | GRADIENT | .04713 | -.00128 | .04590 | -.00064 | -.00061 | -.00002 | -.00065 | .00003 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B177) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 353/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.195 | -2.030 | -.15900 | .16660 | -.15300 | .17210 | .08180 | -.07480 | -.00530 | .00670 | -.06000 | -.03000 |
| 1.197 | -.060 | -.03290 | .16510 | -.03270 | .16520 | .05290 | -.07260 | -.00610 | .00620 | -.06000 | -.03000 |
| 1.196 | 1.980 | .09040 | .16290 | .08470 | .16590 | .02680 | -.07090 | -.00700 | .00540 | -.06000 | -.03000 |
| 1.196 | 3.910 | .20710 | .16030 | .19570 | .17400 | .00460 | -.06880 | -.00740 | .00420 | -.06000 | -.03000 |
| 1.196 | 5.930 | .32680 | .15820 | .30860 | .19120 | -.01490 | -.06600 | -.00810 | .00290 | -.06000 | -.03000 |
| 1.197 | 7.870 | .43740 | .15520 | .41200 | .21360 | -.02650 | -.06880 | -.00770 | .00390 | -.06000 | -.03000 |
| 1.194 | 9.920 | .55330 | .15080 | .51910 | .24390 | -.03650 | -.06920 | -.00800 | .00370 | -.06000 | -.03000 |
| 1.196 | 11.870 | .65950 | .14800 | .61490 | .28050 | -.04330 | -.06970 | -.00850 | .00320 | -.06000 | -.03000 |
| 1.195 | 13.920 | .78090 | .14670 | .72270 | .33030 | -.05780 | -.07130 | -.00600 | .00180 | -.06000 | -.03000 |
| 1.197 | 15.860 | .88340 | .14600 | .80990 | .38190 | -.06570 | -.06970 | -.00590 | -.00060 | -.06000 | -.03000 |
| 1.195 | 17.870 | .98130 | .14300 | .89010 | .43730 | -.06850 | -.06810 | -.00680 | -.00380 | -.06000 | -.03000 |
| | GRADIENT | .06151 | -.00106 | .05859 | .00031 | -.01298 | .00099 | -.00036 | -.00042 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B178) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 368/ 0 RN/L = 6.88 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .595 | -6.140 | .45350 | .02710 | .44210 | .10460 | .02950 | .11020 | .01740 | -.01280 | -.06000 | -.03000 |
| .596 | -4.100 | .44460 | .02720 | .43340 | .10310 | .03360 | .07120 | .01170 | -.00760 | -.06000 | -.03000 |
| .594 | -3.070 | .44120 | .02810 | .42980 | .10330 | .03570 | .05040 | .00930 | -.00560 | -.06000 | -.03000 |
| .595 | -2.050 | .43900 | .02930 | .42750 | .10410 | .03860 | .03180 | .00670 | -.00340 | -.06000 | -.03000 |
| .595 | -1.030 | .43900 | .02960 | .42740 | .10450 | .04000 | .01510 | .00400 | -.00180 | -.06000 | -.03000 |
| .595 | .010 | .44070 | .02890 | .42920 | .10410 | .04000 | -.00210 | .00120 | -.00030 | -.06000 | -.03000 |
| .595 | 1.010 | .43750 | .02940 | .42590 | .10410 | .03990 | -.02020 | -.00140 | .00140 | -.06000 | -.03000 |
| .595 | 2.050 | .43920 | .02950 | .42760 | .10450 | .03870 | -.03990 | -.00410 | .00310 | -.06000 | -.03000 |
| .595 | 3.070 | .43790 | .02810 | .42660 | .10290 | .03590 | -.05940 | -.00700 | .00500 | -.06000 | -.03000 |
| .596 | 4.100 | .43450 | .02750 | .42330 | .10160 | .03430 | -.07810 | -.01020 | .00730 | -.06000 | -.03000 |
| .595 | 6.150 | .43580 | .02720 | .42470 | .10140 | .02810 | -.12140 | -.01440 | .01280 | -.06000 | -.03000 |
| .595 | 8.210 | .44580 | .02720 | .43450 | .10330 | .02840 | -.16300 | -.01910 | .01830 | -.06000 | -.03000 |
| | GRADIENT | -.00084 | .00002 | -.00083 | -.00011 | .00006 | -.01798 | -.00266 | .00175 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B178) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 354/ 0 RN/L = 6.92 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -6.240 | .55950 | .15120 | .52540 | .24470 | -.03770 | .10170 | .01590 | -.00790 | -.06000 | -.03000 |
| 1.195 | -4.160 | .55780 | .15030 | .52390 | .24340 | -.03820 | .06620 | .01090 | -.00490 | -.06000 | -.03000 |
| 1.196 | -3.130 | .55590 | .14950 | .52220 | .24220 | -.03750 | .04780 | .00890 | -.00340 | -.06000 | -.03000 |
| 1.196 | -2.090 | .55290 | .14870 | .51940 | .24090 | -.03670 | .03120 | .00680 | -.00200 | -.06000 | -.03000 |
| 1.195 | -1.040 | .54600 | .14760 | .51280 | .23850 | -.03510 | .01270 | .00510 | -.00060 | -.06000 | -.03000 |
| 1.196 | .000 | .54100 | .14710 | .50800 | .23700 | -.03450 | -.00070 | .00240 | -.00030 | -.06000 | -.03000 |
| 1.195 | 1.040 | .54420 | .14750 | .51110 | .23810 | -.03470 | -.01590 | .00010 | .00040 | -.06000 | -.03000 |
| 1.197 | 2.080 | .54650 | .14870 | .51310 | .23970 | -.03580 | -.03260 | -.00240 | .00110 | -.06000 | -.03000 |
| 1.197 | 3.120 | .54740 | .14990 | .51390 | .24100 | -.03680 | -.04940 | -.00510 | .00220 | -.06000 | -.03000 |
| 1.196 | 4.160 | .54670 | .15070 | .51300 | .24160 | -.03650 | -.06700 | -.00760 | .00350 | -.06000 | -.03000 |
| 1.196 | 6.250 | .54250 | .15280 | .50860 | .24290 | -.03590 | -.10500 | -.01250 | .00610 | -.06000 | -.03000 |
| 1.198 | 8.340 | .54180 | .15330 | .50770 | .24340 | -.03150 | -.14360 | -.01760 | .00970 | -.06000 | -.03000 |
| | GRADIENT | -.00135 | .00004 | -.00133 | -.00022 | .00018 | -.01570 | -.00223 | .00092 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B179) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 363/ 0 RN/L = 7.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -2.060 | -.17420 | .09060 | -.17090 | .09680 | .02810 | -.00150 | .00230 | .00010 | -.06000 | -.03000 |
| .898 | -.100 | -.06190 | .09110 | -.06170 | .09120 | .05550 | -.00130 | .00220 | .00010 | -.06000 | -.03000 |
| .898 | 1.990 | .05790 | .09040 | .05470 | .09240 | .04850 | -.00100 | .00150 | .00000 | -.06000 | -.03000 |
| .897 | 3.900 | .15930 | .08750 | .15300 | .09810 | .04370 | -.00110 | .00070 | -.00030 | -.06000 | -.03000 |
| .896 | 6.020 | .27050 | .08600 | .26000 | .11380 | .04070 | -.00130 | .00030 | -.00070 | -.06000 | -.03000 |
| .899 | 7.960 | .37520 | .08460 | .35990 | .13570 | .03580 | -.00020 | -.00030 | -.00130 | -.06000 | -.03000 |
| .897 | 9.940 | .46790 | .08080 | .44700 | .16030 | .03680 | -.00280 | .00090 | -.00050 | -.06000 | -.03000 |
| .898 | 11.910 | .56610 | .08050 | .53730 | .19560 | .03120 | -.00310 | .00180 | -.00090 | -.06000 | -.03000 |
| .896 | 13.910 | .66380 | .08040 | .62510 | .23760 | .02430 | -.00470 | .00320 | -.00050 | -.06000 | -.03000 |
| .898 | 15.910 | .76900 | .08500 | .71620 | .28260 | .01360 | -.00340 | .00240 | -.00140 | -.06000 | -.03000 |
| .897 | 17.930 | .87750 | .08470 | .80880 | .35080 | .01080 | -.00210 | .00320 | -.00300 | -.06000 | -.03000 |
| | GRADIENT | .05611 | -.00050 | .05450 | .00025 | -.00327 | .00005 | -.00028 | -.00006 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B179) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 358/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -2.060 | -.17920 | .11190 | -.17500 | .11820 | .07200 | .00170 | .00180 | -.00080 | -.06000 | -.03000 |
| .946 | -.080 | -.05990 | .11290 | -.05970 | .11300 | .06050 | .00190 | .00170 | -.00100 | -.06000 | -.03000 |
| .947 | 2.010 | .07010 | .11280 | .06610 | .11520 | .04530 | .00180 | .00140 | -.00080 | -.06000 | -.03000 |
| .947 | 3.950 | .19330 | .11100 | .18520 | .12400 | .02890 | .00120 | .00110 | -.00070 | -.06000 | -.03000 |
| .946 | 5.950 | .31630 | .10680 | .30350 | .13900 | .01330 | .00080 | .00000 | -.00040 | -.06000 | -.03000 |
| .947 | 7.850 | .42810 | .10290 | .41010 | .16040 | .00370 | .00070 | .00050 | -.00010 | -.06000 | -.03000 |
| .947 | 9.960 | .54460 | .09960 | .51910 | .19230 | -.00430 | .00230 | -.00040 | .00090 | -.06000 | -.03000 |
| .947 | 11.960 | .64410 | .09960 | .60950 | .23080 | -.00640 | .00200 | .00110 | .00170 | -.06000 | -.03000 |
| .946 | 13.890 | .72810 | .10000 | .68280 | .27180 | -.00540 | .00410 | .00050 | .00150 | -.06000 | -.03000 |
| .945 | 15.780 | .83330 | .10130 | .77430 | .32410 | -.01230 | .00380 | .00030 | .00270 | -.06000 | -.03000 |
| .948 | 17.990 | .95900 | .10200 | .88070 | .39320 | -.02340 | .00650 | -.00090 | .00400 | -.06000 | -.03000 |
| | GRADIENT | .06200 | -.00014 | .05996 | .00097 | -.00718 | -.00008 | -.00012 | .00003 | -.00000 | -.00000 |

RUN NO. 355/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -2.060 | -.19220 | .15350 | -.18650 | .16030 | .09550 | .00210 | .00200 | -.00090 | -.06000 | -.03000 |
| 1.047 | -.060 | -.05990 | .15170 | -.05970 | .15180 | .07360 | .00220 | .00180 | -.00100 | -.06000 | -.03000 |
| 1.046 | 2.060 | .08080 | .15220 | .07520 | .15500 | .04860 | .00170 | .00140 | -.00100 | -.06000 | -.03000 |
| 1.046 | 4.010 | .21010 | .15210 | .19890 | .16640 | .02410 | .00170 | .00120 | -.00080 | -.06000 | -.03000 |
| 1.045 | 6.100 | .34020 | .15020 | .32230 | .18540 | .00310 | .00070 | .00040 | -.00080 | -.06000 | -.03000 |
| 1.047 | 7.900 | .44550 | .14650 | .42120 | .20640 | -.00870 | -.00040 | .00120 | -.00050 | -.06000 | -.03000 |
| 1.045 | 9.850 | .55660 | .14380 | .52380 | .23680 | -.01750 | -.00150 | .00110 | -.00030 | -.06000 | -.03000 |
| 1.049 | 11.860 | .67010 | .14130 | .62680 | .27590 | -.02570 | -.00060 | .00120 | -.00060 | -.06000 | -.03000 |
| 1.046 | 13.860 | .77840 | .14190 | .72180 | .32430 | -.03070 | -.00160 | .00150 | -.00030 | -.06000 | -.03000 |
| 1.046 | 15.870 | .88420 | .14320 | .81130 | .37960 | -.03660 | -.00250 | .00090 | -.00020 | -.06000 | -.03000 |
| 1.045 | 17.870 | 1.00990 | .14050 | .91810 | .44360 | -.05300 | -.00710 | .00220 | .00140 | -.06000 | -.03000 |
| | GRADIENT | .06629 | -.00018 | .06351 | .00105 | -.01176 | -.00008 | -.00014 | .00001 | .00000 | .00000 |

ARC 200-1 II(LA77) OV101 (R2B180) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 364/ 0 RN/L = 7.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -2.080 | -.17830 | .09120 | -.17490 | .09760 | .05860 | -.09410 | .00110 | .01360 | -.06000 | -.03000 |
| .899 | -.110 | -.06440 | .09250 | -.06420 | .09260 | .05020 | -.09430 | -.00120 | .01360 | -.06000 | -.03000 |
| .897 | 1.970 | .05330 | .08910 | .05020 | .09090 | .04190 | -.09380 | -.00360 | .01340 | -.06000 | -.03000 |
| .897 | 3.890 | .16350 | .08740 | .15720 | .09830 | .03420 | -.09420 | -.00470 | .01320 | -.06000 | -.03000 |
| .898 | 6.030 | .27860 | .08400 | .26830 | .11270 | .02990 | -.09360 | -.00690 | .01160 | -.06000 | -.03000 |
| .898 | 7.880 | .37920 | .08240 | .36430 | .13360 | .02850 | -.09260 | -.00860 | .01020 | -.06000 | -.03000 |
| .899 | 9.940 | .47790 | .08020 | .45690 | .16140 | .02610 | -.09210 | -.00870 | .00950 | -.06000 | -.03000 |
| .896 | 11.930 | .57630 | .08080 | .54710 | .19820 | .02260 | -.09320 | -.00910 | .00830 | -.06000 | -.03000 |
| .899 | 13.910 | .67110 | .08290 | .63150 | .24180 | .01670 | -.09050 | -.00850 | .00450 | -.06000 | -.03000 |
| .897 | 15.880 | .76850 | .08310 | .71640 | .29020 | .01180 | -.08780 | -.00820 | -.00010 | -.06000 | -.03000 |
| .898 | 17.910 | .87100 | .08150 | .80370 | .34550 | .01000 | -.08260 | -.00660 | -.00690 | -.06000 | -.03000 |
| | GRADIENT | .05718 | -.00074 | .05556 | .00001 | -.00408 | .00001 | -.00099 | -.00007 | .00000 | .00000 |

RUN NO. 359/ 0 RN/L = 7.91 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.070 | -.18640 | .11410 | -.18210 | .12070 | .07600 | .00180 | .00190 | -.00090 | -.06000 | -.03000 |
| .947 | -.090 | -.06280 | .11450 | -.06260 | .11460 | .06270 | .00200 | .00170 | -.00090 | -.06000 | -.03000 |
| .948 | 2.010 | .07180 | .11050 | .06790 | .11290 | .04280 | .00200 | .00140 | -.00070 | -.06000 | -.03000 |
| .945 | 3.950 | .19390 | .10970 | .18590 | .12280 | .02840 | .00110 | .00110 | -.00060 | -.06000 | -.03000 |
| .948 | 5.900 | .31580 | .10830 | .30300 | .14010 | .01340 | .00100 | -.00010 | -.00040 | -.06000 | -.03000 |
| .948 | 7.880 | .43070 | .10330 | .41240 | .16140 | .00280 | .00170 | -.00010 | .00030 | -.06000 | -.03000 |
| .948 | 9.940 | .54430 | .10030 | .51880 | .19280 | -.00520 | .00060 | .00020 | .00150 | -.06000 | -.03000 |
| .948 | 11.880 | .65040 | .10100 | .61560 | .23270 | -.01150 | .00140 | .00070 | .00170 | -.06000 | -.03000 |
| .947 | 13.900 | .73110 | .09990 | .68570 | .27260 | -.00690 | .00350 | .00060 | .00180 | -.06000 | -.03000 |
| .947 | 15.940 | .84200 | .10120 | .78180 | .32850 | -.01460 | .00420 | -.00030 | .00240 | -.06000 | -.03000 |
| .947 | 17.860 | .95590 | .10160 | .87860 | .38990 | -.02210 | .00630 | -.00100 | .00410 | -.06000 | -.03000 |
| | GRADIENT | .06327 | -.00086 | .06124 | .00022 | -.00808 | -.00010 | -.00013 | .00005 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R28180) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 356/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -2.070 | -.19400 | .15610 | -.18820 | .16300 | .09220 | -.07580 | -.00400 | .00690 | -.06000 | -.03000 |
| 1.046 | -.070 | -.06260 | .15540 | -.06240 | .15550 | .06920 | -.07390 | -.00750 | .00690 | -.06000 | -.03000 |
| 1.046 | 2.050 | .07760 | .15580 | .07200 | .15840 | .04600 | -.07370 | -.00940 | .00690 | -.06000 | -.03000 |
| 1.046 | 4.000 | .20650 | .15580 | .19510 | .16980 | .02240 | -.07340 | -.00980 | .00640 | -.06000 | -.03000 |
| 1.046 | 5.940 | .32940 | .15500 | .31160 | .18820 | .00360 | -.07320 | -.00970 | .00670 | -.06000 | -.03000 |
| 1.045 | 7.900 | .44380 | .15470 | .41840 | .21430 | -.00640 | -.08070 | -.00930 | .00980 | -.06000 | -.03000 |
| 1.046 | 9.900 | .56000 | .15050 | .52580 | .24450 | -.01720 | -.08010 | -.01010 | .00940 | -.06000 | -.03000 |
| 1.048 | 11.880 | .67250 | .14540 | .62810 | .28070 | -.02530 | -.07790 | -.01080 | .00800 | -.06000 | -.03000 |
| 1.044 | 13.840 | .78210 | .14490 | .72470 | .32770 | -.03350 | -.07950 | -.01100 | .00740 | -.06000 | -.03000 |
| 1.047 | 15.830 | .89490 | .14210 | .82220 | .38070 | -.04220 | -.08250 | -.00960 | .00640 | -.06000 | -.03000 |
| 1.046 | 17.840 | 1.00130 | .13950 | .91040 | .43960 | -.04970 | -.08250 | -.00780 | .00390 | -.06000 | -.03000 |
| | GRADIENT | .06600 | -.00002 | .06317 | .00114 | -.01144 | .00036 | -.00095 | -.00007 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28181) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 365/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -6.240 | .23540 | .08640 | .22710 | .10640 | .02700 | .13850 | .00930 | -.02050 | -.06000 | -.03000 |
| .897 | -4.170 | .22800 | .08530 | .21980 | .10460 | .03310 | .09140 | .00580 | -.01320 | -.06000 | -.03000 |
| .899 | -3.130 | .22770 | .08640 | .21940 | .10570 | .03460 | .06810 | .00430 | -.00990 | -.06000 | -.03000 |
| .898 | -2.090 | .22340 | .08600 | .21510 | .10500 | .03870 | .04340 | .00310 | -.00600 | -.06000 | -.03000 |
| .897 | -1.040 | .22120 | .08700 | .21290 | .10570 | .04010 | .02070 | .00180 | -.00290 | -.06000 | -.03000 |
| .897 | .010 | .21960 | .08830 | .21120 | .10690 | .04120 | -.00170 | .00080 | -.00040 | -.06000 | -.03000 |
| .899 | 1.040 | .22040 | .08740 | .21200 | .10610 | .04060 | -.02360 | -.00010 | .00220 | -.06000 | -.03000 |
| .898 | 2.100 | .21940 | .08590 | .21120 | .10450 | .03930 | -.04710 | -.00130 | .00540 | -.06000 | -.03000 |
| .897 | 3.140 | .22120 | .08630 | .21290 | .10500 | .03610 | -.07050 | -.00310 | .00900 | -.06000 | -.03000 |
| .897 | 4.180 | .22110 | .08580 | .21290 | .10450 | .03240 | -.09360 | -.00500 | .01270 | -.06000 | -.03000 |
| .897 | 6.280 | .21820 | .08760 | .21000 | .10590 | .02730 | -.14390 | -.00780 | .02070 | -.06000 | -.03000 |
| .897 | 8.360 | .22170 | .08690 | .21350 | .10550 | .02670 | -.18870 | -.01190 | .02840 | -.06000 | -.03000 |
| | GRADIENT | -.00089 | .00003 | -.00089 | -.00005 | .00005 | -.02204 | -.00121 | .00300 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B181) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 360/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.230 | .25730 | .11070 | .24670 | .13270 | .02320 | .13470 | .01320 | -.02250 | -.06000 | -.03000 |
| .947 | -4.160 | .25920 | .10630 | .24900 | .12940 | .01890 | .08990 | .00860 | -.01470 | -.06000 | -.03000 |
| .947 | -3.120 | .26260 | .10820 | .25240 | .13060 | .01660 | .06250 | .00670 | -.00920 | -.06000 | -.03000 |
| .947 | -2.090 | .26160 | .10810 | .25120 | .13050 | .01780 | .04040 | .00460 | -.00560 | -.06000 | -.03000 |
| .948 | -1.040 | .25820 | .10890 | .24770 | .13100 | .01950 | .02000 | .00250 | -.00290 | -.06000 | -.03000 |
| .947 | .010 | .25630 | .10760 | .24600 | .12940 | .02030 | .00030 | .00050 | -.00050 | -.06000 | -.03000 |
| .948 | 1.030 | .25870 | .10870 | .24830 | .13080 | .01910 | -.01890 | -.00110 | .00170 | -.06000 | -.03000 |
| .947 | 2.090 | .25840 | .10910 | .24790 | .13110 | .01730 | -.04020 | -.00290 | .00460 | -.06000 | -.03000 |
| .948 | 3.120 | .25660 | .10770 | .24630 | .12950 | .01760 | -.06270 | -.00520 | .00840 | -.06000 | -.03000 |
| .947 | 6.260 | .24010 | .11170 | .22960 | .13200 | .02300 | -.13820 | -.01100 | .02140 | -.06000 | -.03000 |
| .950 | 8.350 | .23550 | .11220 | .22490 | .13210 | .02850 | -.18180 | -.01550 | .02810 | -.06000 | -.03000 |
| | GRADIENT | -.00058 | .00017 | -.00059 | .00011 | -.00001 | -.02035 | -.00187 | .00292 | .00000 | .00000 |

RUN NO. 357/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -6.250 | .28360 | .15700 | .26900 | .18090 | .00950 | .11580 | .01700 | .01450 | -.06000 | -.03000 |
| 1.044 | -4.170 | .27810 | .15490 | .26380 | .17830 | .01020 | .07530 | .01120 | -.00860 | -.06000 | -.03000 |
| 1.048 | -3.130 | .27520 | .15350 | .26100 | .17670 | .01040 | .05420 | .00860 | -.00570 | -.06000 | -.03000 |
| 1.045 | -2.090 | .27450 | .15270 | .26030 | .17580 | .01230 | .03560 | .00600 | -.00370 | -.06000 | -.03000 |
| 1.047 | -1.040 | .27170 | .15190 | .25760 | .17480 | .01290 | .01860 | .00340 | -.00230 | -.06000 | -.03000 |
| 1.046 | .010 | .27080 | .15160 | .25670 | .17430 | .01360 | .00090 | .00090 | -.00060 | -.06000 | -.03000 |
| 1.048 | 1.030 | .27170 | .15190 | .25760 | .17480 | .01270 | -.01600 | -.00130 | .00050 | -.06000 | -.03000 |
| 1.045 | 2.100 | .27070 | .15330 | .25650 | .17610 | .01340 | -.03450 | -.00370 | .00230 | -.06000 | -.03000 |
| 1.047 | 3.130 | .27070 | .15400 | .25640 | .17680 | .01260 | -.05300 | -.00670 | .00400 | -.06000 | -.03000 |
| 1.045 | 4.180 | .26930 | .15540 | .25490 | .17800 | .01190 | -.07180 | -.00960 | .00640 | -.06000 | -.03000 |
| 1.046 | 8.270 | .26920 | .15850 | .25450 | .18110 | .01090 | -.11850 | -.01460 | .01400 | -.06000 | -.03000 |
| 1.046 | 8.370 | .27000 | .15940 | .25530 | .18210 | .01530 | -.16580 | -.01990 | .02180 | -.06000 | -.03000 |
| | GRADIENT | -.00090 | .00008 | -.00091 | -.00000 | .00025 | -.01732 | -.00245 | .00166 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B182) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 361/ 0 RN/L = 7.91 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.210 | .79810 | .10000 | .74560 | .30170 | -.01520 | .11010 | .02070 | -.01210 | -.06000 | -.03000 |
| .948 | -4.130 | .79750 | .10220 | .74450 | .30370 | -.01610 | .07000 | .01400 | -.00910 | -.06000 | -.03000 |
| .946 | -3.090 | .79950 | .10340 | .74650 | .30550 | -.01690 | .05050 | .01080 | -.00760 | -.06000 | -.03000 |
| .948 | -2.050 | .79650 | .10350 | .74320 | .30460 | -.01500 | .03150 | .00770 | -.00650 | -.06000 | -.03000 |
| .946 | -1.010 | .78120 | .10160 | .72900 | .29860 | -.00970 | .01480 | .00430 | -.00580 | -.06000 | -.03000 |
| .947 | .050 | .79250 | .10200 | .73980 | .30210 | -.01470 | -.00440 | .00180 | -.00540 | -.06000 | -.03000 |
| .947 | 1.070 | .78790 | .10140 | .73550 | .30020 | -.01350 | -.02080 | -.00030 | -.00490 | -.06000 | -.03000 |
| .949 | 2.140 | .79630 | .10250 | .74320 | .30360 | -.01700 | -.04010 | -.00290 | -.00400 | -.06000 | -.03000 |
| .945 | 3.120 | .78140 | .09980 | .72970 | .29680 | -.01110 | -.05100 | -.00840 | .00380 | -.06000 | -.03000 |
| .947 | 4.170 | .80010 | .10110 | .74730 | .30320 | -.02030 | -.07300 | -.01210 | .00670 | -.06000 | -.03000 |
| .948 | 6.280 | .79630 | .09960 | .74400 | .30060 | -.02100 | -.11780 | -.01860 | .01000 | -.06000 | -.03000 |
| .949 | 8.390 | .79870 | .09700 | .74690 | .29910 | -.01460 | -.15620 | -.02340 | .01160 | -.06000 | -.03000 |
| | GRADIENT | -.00062 | -.00028 | -.00052 | -.00046 | -.00012 | -.01694 | -.00301 | .00165 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B183) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 362/ 0 RN/L = 7.90 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -6.210 | .80340 | .10040 | .75060 | .30360 | -.01600 | .11030 | .02110 | -.01230 | -.06000 | -.03000 |
| .946 | -4.210 | .78930 | .10070 | .73700 | .29990 | -.01420 | .07740 | .01110 | .00000 | -.06000 | -.03000 |
| .948 | -3.160 | .79260 | .10210 | .73980 | .30220 | -.01590 | .05750 | .00820 | .00070 | -.06000 | -.03000 |
| .949 | -2.120 | .79280 | .10230 | .73990 | .30250 | -.01400 | .03960 | .00510 | .00160 | -.06000 | -.03000 |
| .948 | -1.070 | .79080 | .10170 | .73820 | .30130 | -.01250 | .02210 | .00210 | .00200 | -.06000 | -.03000 |
| .948 | -.030 | .79870 | .10220 | .74570 | .30400 | -.01570 | .00490 | -.00040 | .00220 | -.06000 | -.03000 |
| .949 | 1.010 | .80380 | .10260 | .75040 | .30580 | -.01820 | -.01330 | -.00270 | .00280 | -.06000 | -.03000 |
| .947 | 2.060 | .80130 | .10240 | .74810 | .30490 | -.01710 | -.03200 | -.00540 | .00350 | -.06000 | -.03000 |
| .946 | 3.120 | .79530 | .10130 | .74270 | .30210 | -.01550 | -.05260 | -.00850 | .00460 | -.06000 | -.03000 |
| .947 | 4.180 | .79410 | .10020 | .74170 | .30060 | -.01740 | -.07310 | -.01200 | .00610 | -.06000 | -.03000 |
| .948 | 6.320 | .79010 | .09860 | .73840 | .29790 | -.01860 | -.11860 | -.01860 | .00970 | -.06000 | -.03000 |
| .947 | 8.380 | .78840 | .09530 | .73750 | .29450 | -.01170 | -.15560 | -.02290 | .01120 | -.06000 | -.03000 |
| | GRADIENT | .00091 | -.00005 | .00089 | .00019 | -.00037 | -.01768 | -.00268 | .00065 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B184) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 383/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -2.030 | -.17960 | .10370 | -.17580 | .11000 | .08000 | -.00030 | .00190 | .00020 | -.06000 | -.03000 |
| .597 | -.030 | -.08860 | .10460 | -.08860 | .10460 | .07930 | -.00020 | .00170 | .00010 | -.06000 | -.03000 |
| .598 | 1.970 | .00420 | .10110 | .00070 | .10110 | .07880 | .00000 | .00160 | .00000 | -.06000 | -.03000 |
| .597 | 4.000 | .10080 | .09470 | .09400 | .10150 | .07820 | -.00030 | .00160 | .00000 | -.06000 | -.03000 |
| .598 | 5.950 | .19700 | .08540 | .18710 | .10540 | .07660 | -.00110 | .00160 | .00000 | -.06000 | -.03000 |
| .598 | 7.870 | .29760 | .07340 | .28470 | .11350 | .07420 | -.00100 | .00160 | .00000 | -.06000 | -.03000 |
| .598 | 9.900 | .40490 | .05880 | .38870 | .12750 | .07260 | -.00220 | .00120 | -.00010 | -.06000 | -.03000 |
| .597 | 11.880 | .50870 | .04510 | .48850 | .14880 | .07440 | -.00190 | .00100 | -.00010 | -.06000 | -.03000 |
| .597 | 13.920 | .62340 | .03990 | .59540 | .18870 | .07130 | -.00680 | .00230 | .00220 | -.06000 | -.03000 |
| .599 | 15.880 | .73340 | .04370 | .69340 | .24270 | .06400 | -.00300 | .00260 | -.00010 | -.06000 | -.03000 |
| .598 | 17.910 | .85660 | .04880 | .80010 | .30990 | .05280 | -.00310 | .00260 | -.00040 | -.06000 | -.03000 |
| | GRADIENT | .04649 | -.00152 | .04474 | -.00144 | -.00029 | .00001 | -.00005 | -.00003 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B184) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 369/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.200 | -1.960 | -.17770 | .19890 | -.17080 | .20490 | .13030 | .00220 | .00160 | -.00040 | -.06000 | -.03000 |
| 1.204 | -.030 | -.05070 | .19670 | -.05050 | .19670 | .09590 | .00210 | .00130 | -.00050 | -.06000 | -.03000 |
| 1.200 | 2.040 | .07860 | .19300 | .07170 | .19570 | .06570 | .00110 | .00100 | -.00050 | -.06000 | -.03000 |
| 1.201 | 3.980 | .19340 | .18990 | .17970 | .20280 | .04190 | .00100 | .00060 | -.00050 | -.06000 | -.03000 |
| 1.202 | 5.920 | .30690 | .18590 | .28610 | .21660 | .01990 | .00090 | .00040 | -.00060 | -.06000 | -.03000 |
| 1.201 | 7.980 | .42410 | .18050 | .39500 | .23770 | .00400 | .00100 | .00060 | -.00050 | -.06000 | -.03000 |
| 1.200 | 9.930 | .52580 | .17440 | .48790 | .26250 | -.00290 | -.00010 | .00090 | -.00060 | -.06000 | -.03000 |
| 1.202 | 11.950 | .63930 | .17010 | .59030 | .29870 | -.01200 | .00110 | .00040 | -.00110 | -.06000 | -.03000 |
| 1.200 | 13.930 | .75200 | .16820 | .68950 | .34430 | -.02210 | .00020 | .00040 | -.00090 | -.06000 | -.03000 |
| 1.201 | 15.920 | .85680 | .16770 | .77790 | .39620 | -.03010 | -.00110 | .00050 | -.00040 | -.06000 | -.03000 |
| 1.199 | 17.900 | .96320 | .16610 | .86550 | .45410 | -.03880 | -.00160 | .00070 | -.00010 | -.06000 | -.03000 |
| | GRADIENT | .06247 | -.00154 | .05901 | -.00037 | -.01485 | -.00023 | -.00017 | -.00001 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B185) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 384/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -2.050 | -.18260 | .10170 | -.17880 | .10810 | .07640 | -.07410 | .00090 | .00620 | -.06000 | -.03000 |
| .598 | -.040 | -.09140 | .10300 | -.09130 | .10300 | .07530 | -.07550 | -.00080 | .00650 | -.06000 | -.03000 |
| .598 | 1.980 | .00510 | .10080 | .00160 | .10090 | .07510 | -.07550 | -.00210 | .00660 | -.06000 | -.03000 |
| .598 | 3.930 | .09810 | .09530 | .09130 | .10170 | .07370 | -.07580 | -.00350 | .00680 | -.06000 | -.03000 |
| .598 | 5.960 | .20010 | .08600 | .19010 | .10630 | .07270 | -.07620 | -.00460 | .00700 | -.06000 | -.03000 |
| .599 | 7.910 | .30310 | .07350 | .29010 | .11450 | .07070 | -.07610 | -.00640 | .00700 | -.06000 | -.03000 |
| .598 | 9.920 | .41020 | .05890 | .39390 | .12870 | .06990 | -.07460 | -.00910 | .00670 | -.06000 | -.03000 |
| .598 | 11.910 | .51820 | .04520 | .49770 | .15120 | .06990 | -.07390 | -.01100 | .00660 | -.06000 | -.03000 |
| .598 | 13.920 | .63310 | .04260 | .60430 | .19360 | .06450 | -.07740 | -.00700 | .00820 | -.06000 | -.03000 |
| .598 | 15.900 | .74170 | .04440 | .70120 | .24590 | .06070 | -.07920 | -.00580 | .00760 | -.06000 | -.03000 |
| .598 | 17.910 | .84760 | .05000 | .79120 | .30820 | .05560 | -.08030 | -.00630 | .00770 | -.06000 | -.03000 |
| | GRADIENT | .04702 | -.00107 | .04525 | -.00107 | -.00042 | -.00026 | -.00073 | .00010 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B185) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 370/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.201 | -1.990 | -.18360 | .19860 | -.17670 | .20480 | .12940 | -.07350 | -.00410 | .00540 | -.06000 | -.03000 |
| 1.202 | -.040 | -.05860 | .19800 | -.05850 | .19800 | .09850 | -.07180 | -.00500 | .00500 | -.06000 | -.03000 |
| 1.201 | 2.070 | .07160 | .19610 | .06470 | .19850 | .06870 | -.07100 | -.00600 | .00440 | -.06000 | -.03000 |
| 1.201 | 4.010 | .18870 | .19360 | .17470 | .20630 | .04580 | -.06900 | -.00690 | .00360 | -.06000 | -.03000 |
| 1.201 | 5.970 | .30490 | .19000 | .28350 | .22070 | .02550 | -.06610 | -.00740 | .00260 | -.06000 | -.03000 |
| 1.201 | 8.050 | .42160 | .18530 | .39150 | .24260 | .00990 | -.06850 | -.00700 | .00380 | -.06000 | -.03000 |
| 1.200 | 10.020 | .53170 | .17970 | .49230 | .26950 | -.00060 | -.06780 | -.00830 | .00310 | -.06000 | -.03000 |
| 1.202 | 11.960 | .63540 | .17660 | .58500 | .30450 | -.00860 | -.06970 | -.00810 | .00310 | -.06000 | -.03000 |
| 1.199 | 14.010 | .75810 | .17380 | .69350 | .35220 | -.02270 | -.07100 | -.00580 | .00220 | -.06000 | -.03000 |
| 1.200 | 16.040 | .86510 | .17060 | .78420 | .40310 | -.03050 | -.07030 | -.00560 | -.00010 | -.06000 | -.03000 |
| 1.199 | 17.980 | .95950 | .16620 | .86130 | .45430 | -.03460 | -.06830 | -.00650 | -.00350 | -.06000 | -.03000 |
| | GRADIENT | .06202 | -.00084 | .05855 | .00025 | -.01396 | .00071 | -.00047 | -.00030 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B186) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 385/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -6.130 | .42640 | .06000 | .40970 | .13260 | .06760 | .10620 | .01600 | -.01140 | -.06000 | -.03000 |
| .598 | -4.090 | .41790 | .05780 | .40170 | .12890 | .06820 | .06810 | .01060 | -.00630 | -.06000 | -.03000 |
| .598 | -3.070 | .41620 | .05820 | .39990 | .12900 | .06950 | .04880 | .00830 | -.00430 | -.06000 | -.03000 |
| .598 | -2.050 | .41260 | .05850 | .39640 | .12870 | .07110 | .03050 | .00590 | -.00260 | -.06000 | -.03000 |
| .598 | -1.020 | .40840 | .05880 | .39220 | .12820 | .07210 | .01390 | .00340 | -.00110 | -.06000 | -.03000 |
| .598 | .000 | .40800 | .05900 | .39180 | .12830 | .07260 | -.00210 | .00120 | .00000 | -.06000 | -.03000 |
| .598 | 1.010 | .40720 | .05950 | .39090 | .12870 | .07260 | -.01850 | -.00090 | .00130 | -.06000 | -.03000 |
| .598 | 2.050 | .40870 | .05980 | .39230 | .12930 | .07230 | -.03650 | -.00310 | .00290 | -.06000 | -.03000 |
| .598 | 3.070 | .40950 | .06000 | .39310 | .12960 | .07180 | -.05440 | -.00570 | .00450 | -.06000 | -.03000 |
| .598 | 4.100 | .40760 | .05980 | .39120 | .12910 | .07020 | -.07250 | -.00860 | .00650 | -.06000 | -.03000 |
| .598 | 6.150 | .40590 | .06180 | .38920 | .13070 | .06920 | -.11670 | -.01310 | .01190 | -.06000 | -.03000 |
| .598 | 8.210 | .41800 | .05840 | .40170 | .12950 | .06490 | -.16160 | -.01820 | .01890 | -.06000 | -.03000 |
| | GRADIENT | -.00114 | .00027 | -.00117 | .00007 | .00029 | -.01691 | -.00230 | .00148 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B186) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 371/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.203 | -6.190 | .54150 | .18150 | .50130 | .27360 | .00200 | .10000 | .01480 | -.00660 | -.06000 | -.03000 |
| 1.200 | -4.140 | .54450 | .17740 | .50500 | .26990 | -.00420 | .06530 | .01060 | -.00390 | -.06000 | -.03000 |
| 1.200 | -3.100 | .54310 | .17620 | .50400 | .26830 | -.00490 | .04730 | .00830 | -.00280 | -.06000 | -.03000 |
| 1.201 | -2.060 | .53750 | .17540 | .49880 | .26630 | -.00380 | .03080 | .00630 | -.00170 | -.06000 | -.03000 |
| 1.201 | -1.010 | .53200 | .17410 | .49370 | .26390 | -.00320 | .01490 | .00330 | -.00120 | -.06000 | -.03000 |
| 1.201 | -.020 | .52770 | .17390 | .48960 | .26260 | -.00270 | .00010 | .00130 | -.00060 | -.06000 | -.03000 |
| 1.200 | 1.000 | .53030 | .17410 | .49180 | .26390 | -.00290 | -.01460 | -.00100 | -.00010 | -.06000 | -.03000 |
| 1.202 | 2.080 | .53300 | .17520 | .49420 | .26560 | -.00430 | -.03140 | -.00290 | .00080 | -.06000 | -.03000 |
| 1.201 | 3.130 | .53130 | .17730 | .49210 | .26740 | -.00210 | -.04810 | -.00560 | .00150 | -.06000 | -.03000 |
| 1.200 | 4.200 | .53010 | .17930 | .49070 | .26910 | -.00050 | -.06540 | -.00850 | .00280 | -.06000 | -.03000 |
| 1.201 | 6.290 | .52510 | .18410 | .48500 | .27290 | .00500 | -.10490 | -.01330 | .00640 | -.06000 | -.03000 |
| 1.201 | 8.400 | .52620 | .18370 | .48600 | .27270 | .00910 | -.14300 | -.01790 | .00950 | -.06000 | -.03000 |
| | GRADIENT | -.00166 | .00017 | -.00166 | -.00011 | .00036 | -.01545 | -.00226 | .00074 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B187) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 380/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -2.030 | -.21270 | .12300 | -.20820 | .13040 | .10440 | -.00090 | .00230 | .00030 | -.06000 | -.03000 |
| .900 | -.020 | -.09180 | .12290 | -.09170 | .12290 | .09450 | -.00080 | .00220 | .00030 | -.06000 | -.03000 |
| .899 | 1.980 | .02210 | .12080 | .01790 | .12150 | .08720 | -.00100 | .00150 | .00010 | -.06000 | -.03000 |
| .900 | 3.960 | .13750 | .12000 | .12880 | .12920 | .07850 | -.00090 | .00090 | -.00010 | -.06000 | -.03000 |
| .900 | 5.920 | .23990 | .11690 | .22660 | .14100 | .07380 | .00000 | -.00050 | -.00070 | -.06000 | -.03000 |
| .901 | 7.890 | .33830 | .11510 | .31930 | .16050 | .07290 | -.00050 | -.00030 | -.00090 | -.06000 | -.03000 |
| .901 | 9.840 | .43900 | .11320 | .41320 | .18650 | .07060 | -.00220 | .00070 | -.00030 | -.06000 | -.03000 |
| .900 | 11.870 | .53790 | .11190 | .50340 | .22020 | .06700 | -.00200 | .00120 | -.00060 | -.06000 | -.03000 |
| .900 | 13.910 | .63790 | .11260 | .59210 | .26260 | .05830 | -.00290 | .00290 | -.00110 | -.06000 | -.03000 |
| .901 | 15.930 | .74340 | .11420 | .68350 | .31380 | .04910 | -.00400 | .00300 | -.00120 | -.06000 | -.03000 |
| .899 | 17.870 | .84320 | .11230 | .76810 | .36560 | .04920 | -.00220 | .00330 | -.00260 | -.06000 | -.03000 |
| | GRADIENT | .05831 | -.00056 | .05612 | -.00026 | -.00426 | -.00001 | -.00025 | -.00007 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R28187) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 375/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .953 | -1.990 | -.19930 | .14240 | -.19420 | .14920 | .10470 | .00030 | .00160 | .00020 | -.06000 | -.03000 |
| .952 | -.010 | -.07550 | .14400 | -.07550 | .14400 | .09230 | .00120 | .00150 | -.00020 | -.06000 | -.03000 |
| .954 | 1.990 | .05190 | .14160 | .04690 | .14340 | .07510 | .00070 | .00120 | -.00030 | -.06000 | -.03000 |
| .953 | 3.990 | .17850 | .13810 | .16850 | .15020 | .05820 | .00030 | .00100 | -.00010 | -.06000 | -.03000 |
| .954 | 5.990 | .29740 | .13600 | .28160 | .16630 | .04520 | .00050 | .00060 | .00010 | -.06000 | -.03000 |
| .953 | 7.950 | .40980 | .13210 | .38760 | .18750 | .03620 | -.00040 | .00050 | .00130 | -.06000 | -.03000 |
| .952 | 9.940 | .51880 | .12970 | .48860 | .21730 | .02850 | .00360 | -.00070 | .00080 | -.06000 | -.03000 |
| .952 | 11.930 | .62180 | .12820 | .58190 | .25400 | .02360 | .00290 | .00000 | .00180 | -.06000 | -.03000 |
| .953 | 13.960 | .72620 | .13070 | .67320 | .30200 | .01480 | .00650 | .00050 | .00130 | -.06000 | -.03000 |
| .956 | 15.980 | .83560 | .13050 | .76740 | .35540 | .00810 | .00790 | -.00080 | .00210 | -.06000 | -.03000 |
| .952 | 17.960 | .93530 | .12910 | .84990 | .41120 | .01000 | .01000 | -.00160 | .00270 | -.06000 | -.03000 |
| | GRADIENT | .06323 | -.00077 | .06071 | .00012 | -.00786 | -.00003 | -.00011 | -.00005 | -.00000 | -.00000 |

RUN NO. 372/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -1.950 | -.20800 | .18220 | -.20170 | .18920 | .13380 | .00130 | .00170 | -.00040 | -.06000 | -.03000 |
| 1.050 | .030 | -.07330 | .18080 | -.07340 | .18070 | .10970 | .00180 | .00150 | -.00060 | -.06000 | -.03000 |
| 1.052 | 2.040 | .06280 | .18040 | .05630 | .18250 | .08350 | .00110 | .00120 | -.00050 | -.06000 | -.03000 |
| 1.049 | 4.020 | .19410 | .18010 | .18100 | .19330 | .05670 | .00090 | .00080 | -.00060 | -.06000 | -.03000 |
| 1.050 | 6.010 | .31650 | .17710 | .29620 | .20920 | .03650 | .00060 | .00080 | -.00050 | -.06000 | -.03000 |
| 1.051 | 7.990 | .42640 | .17390 | .39800 | .23150 | .02390 | -.00010 | .00090 | -.00040 | -.06000 | -.03000 |
| 1.051 | 9.970 | .53760 | .17120 | .49980 | .26170 | .01530 | -.00100 | .00100 | -.00040 | -.06000 | -.03000 |
| 1.049 | 11.980 | .65060 | .16880 | .60140 | .30020 | .00820 | .00040 | .00050 | -.00110 | -.06000 | -.03000 |
| 1.048 | 13.980 | .75730 | .16760 | .69440 | .34560 | .00220 | -.00030 | .00080 | -.00090 | -.06000 | -.03000 |
| 1.049 | 15.980 | .86550 | .16600 | .78630 | .39780 | -.00340 | -.00100 | .00000 | -.00060 | -.06000 | -.03000 |
| 1.047 | 17.950 | .98610 | .16520 | .88720 | .46110 | -.01520 | -.00480 | .00160 | .00090 | -.06000 | -.03000 |
| | GRADIENT | .06739 | -.00034 | .06415 | .00071 | -.01293 | -.00010 | -.00015 | -.00003 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B188) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 381/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -2.030 | -.20950 | .12300 | -.20500 | .13040 | .09700 | -.09190 | .00170 | .01260 | -.06000 | -.03000 |
| .900 | -.020 | -.09240 | .12290 | -.09230 | .12290 | .08850 | -.09230 | -.00070 | .01280 | -.06000 | -.03000 |
| .899 | 1.970 | .02260 | .12180 | .01840 | .12250 | .08070 | -.09210 | -.00280 | .01280 | -.06000 | -.03000 |
| .899 | 3.950 | .13670 | .11920 | .12820 | .12830 | .07210 | -.09190 | -.00450 | .01230 | -.06000 | -.03000 |
| .901 | 5.930 | .24490 | .11850 | .23140 | .14320 | .06860 | -.09260 | -.00640 | .01120 | -.06000 | -.03000 |
| .899 | 7.890 | .34840 | .11550 | .32930 | .16220 | .06750 | -.08960 | -.00840 | .00940 | -.06000 | -.03000 |
| .900 | 9.820 | .44190 | .11470 | .41580 | .18840 | .06790 | -.08950 | -.00850 | .00880 | -.06000 | -.03000 |
| .900 | 11.920 | .54560 | .11310 | .51050 | .22330 | .06230 | -.09110 | -.00900 | .00800 | -.06000 | -.03000 |
| .900 | 13.910 | .64350 | .11290 | .59750 | .26430 | .05540 | -.09110 | -.00740 | .00490 | -.06000 | -.03000 |
| .899 | 15.900 | .74460 | .11260 | .68520 | .31230 | .04870 | -.08480 | -.00560 | -.00200 | -.06000 | -.03000 |
| .899 | 17.850 | .83990 | .10970 | .76480 | .36150 | .04930 | -.07920 | -.00370 | -.00870 | -.06000 | -.03000 |
| | GRADIENT | .05788 | -.00063 | .05571 | -.00034 | -.00414 | .00001 | -.00104 | -.00004 | .00000 | .00000 |

RUN NO. 376/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .955 | -1.980 | -.21870 | .14600 | -.21350 | .15340 | .11450 | -.09020 | -.00140 | .01260 | -.06000 | -.03000 |
| .952 | .010 | -.09230 | .14570 | -.09230 | .14570 | .09940 | -.09190 | -.00470 | .01340 | -.06000 | -.03000 |
| .952 | 2.040 | .03730 | .14350 | .03220 | .14470 | .08250 | -.09220 | -.00640 | .01410 | -.06000 | -.03000 |
| .952 | 3.980 | .16140 | .14250 | .15110 | .15340 | .06750 | -.09220 | -.00610 | .01450 | -.06000 | -.03000 |
| .952 | 5.970 | .28120 | .13740 | .26540 | .16590 | .05300 | -.09420 | -.00580 | .01510 | -.06000 | -.03000 |
| .951 | 7.960 | .40220 | .13440 | .37970 | .18870 | .04060 | -.09220 | -.00770 | .01500 | -.06000 | -.03000 |
| .950 | 9.960 | .51600 | .13070 | .48560 | .21790 | .03030 | -.08080 | -.00980 | .01050 | -.06000 | -.03000 |
| .952 | 12.040 | .63700 | .12870 | .59620 | .25880 | .01810 | -.07660 | -.01020 | .00860 | -.06000 | -.03000 |
| .952 | 14.030 | .73060 | .12720 | .67800 | .30060 | .01640 | -.07240 | -.01050 | .00630 | -.06000 | -.03000 |
| .950 | 16.010 | .82510 | .12620 | .75820 | .34880 | .01340 | -.06520 | -.01060 | .00190 | -.06000 | -.03000 |
| .951 | 17.990 | .93980 | .12820 | .85430 | .41210 | .00570 | -.06270 | -.01170 | .00130 | -.06000 | -.03000 |
| | GRADIENT | .06378 | -.00064 | .06119 | -.00006 | -.00793 | -.00032 | -.00080 | .00032 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R28188) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 373/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.049 | -2.000 | -.21510 | .18480 | -.20850 | .19220 | .13200 | -.07560 | -.00320 | .00630 | -.06000 | -.03000 |
| 1.052 | .000 | -.08000 | .18280 | -.08010 | .18270 | .10810 | -.07350 | -.00680 | .00610 | -.06000 | -.03000 |
| 1.049 | 2.000 | .05350 | .18350 | .04710 | .18530 | .08460 | -.07160 | -.00830 | .00610 | -.06000 | -.03000 |
| 1.051 | 4.000 | .18740 | .18310 | .17410 | .19570 | .05930 | -.07070 | -.00870 | .00550 | -.06000 | -.03000 |
| 1.048 | 6.010 | .31220 | .18240 | .29140 | .21410 | .04040 | -.07140 | -.00850 | .00590 | -.06000 | -.03000 |
| 1.051 | 7.980 | .42550 | .17990 | .39640 | .23720 | .02870 | -.07610 | -.00850 | .00760 | -.06000 | -.03000 |
| 1.049 | 9.970 | .53620 | .17730 | .49740 | .26750 | .01950 | -.07500 | -.00950 | .00710 | -.06000 | -.03000 |
| 1.049 | 12.040 | .65410 | .17320 | .60350 | .30590 | .01080 | -.07340 | -.01020 | .00550 | -.06000 | -.03000 |
| 1.049 | 14.070 | .76650 | .17050 | .70200 | .35180 | .00290 | -.07580 | -.01000 | .00540 | -.06000 | -.03000 |
| 1.048 | 16.060 | .86920 | .16780 | .78880 | .40170 | -.00090 | -.07580 | -.01040 | .00310 | -.06000 | -.03000 |
| 1.051 | 18.010 | .97720 | .16280 | .87900 | .45700 | -.01200 | -.07800 | -.00680 | .00130 | -.06000 | -.03000 |
| | GRADIENT | .06705 | -.00022 | .06375 | .00066 | -.01208 | .00083 | -.00090 | -.00012 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28189) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 382/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.250 | .20920 | .11910 | .19820 | .13670 | .06510 | .13940 | .00940 | -.02030 | -.06000 | -.03000 |
| .899 | -4.170 | .20210 | .11890 | .19110 | .13580 | .06980 | .09040 | .00630 | -.01230 | -.06000 | -.03000 |
| .901 | -3.130 | .20030 | .11830 | .18940 | .13510 | .07070 | .06540 | .00440 | -.00830 | -.06000 | -.03000 |
| .900 | -2.090 | .19630 | .11810 | .18530 | .13460 | .07410 | .04190 | .00290 | -.00480 | -.06000 | -.03000 |
| .898 | -1.040 | .19040 | .11820 | .17950 | .13420 | .07670 | .01960 | .00170 | -.00230 | -.06000 | -.03000 |
| .900 | .010 | .19000 | .11880 | .17910 | .13480 | .07690 | -.00160 | .00070 | -.00010 | -.06000 | -.03000 |
| .901 | 1.030 | .19320 | .12010 | .18210 | .13640 | .07560 | -.02240 | -.00010 | .00190 | -.06000 | -.03000 |
| .900 | 2.100 | .18940 | .11800 | .17860 | .13380 | .07530 | -.04400 | -.00100 | .00450 | -.06000 | -.03000 |
| .901 | 3.140 | .19250 | .11910 | .18150 | .13530 | .07280 | -.06820 | -.00260 | .00810 | -.06000 | -.03000 |
| .899 | 4.180 | .19020 | .11850 | .17930 | .13440 | .07150 | -.09140 | -.00440 | .01190 | -.06000 | -.03000 |
| .901 | 6.280 | .19120 | .11940 | .18020 | .13540 | .06500 | -.14340 | -.00770 | .02090 | -.06000 | -.03000 |
| .899 | 8.360 | .19650 | .11440 | .18600 | .13080 | .06020 | -.19270 | -.01230 | .03070 | -.06000 | -.03000 |
| | GRADIENT | -.00131 | .00004 | -.00130 | -.00007 | .00023 | -.02141 | -.00117 | .00269 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B189) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 377/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -6.330 | .22770 | .14140 | .21440 | .16080 | .06240 | .13850 | .01190 | -.02290 | -.06000 | -.03000 |
| .950 | -4.240 | .23340 | .13910 | .22040 | .15900 | .05730 | .09320 | .00770 | -.01540 | -.06000 | -.03000 |
| .951 | -3.180 | .23540 | .13780 | .22250 | .15780 | .05510 | .06850 | .00580 | -.01120 | -.06000 | -.03000 |
| .952 | -2.120 | .23920 | .13700 | .22630 | .15750 | .05270 | .04360 | .00410 | -.00630 | -.06000 | -.03000 |
| .950 | -1.080 | .23840 | .13610 | .22560 | .15640 | .05260 | .02080 | .00240 | -.00260 | -.06000 | -.03000 |
| .950 | .000 | .23580 | .13530 | .22320 | .15520 | .05250 | -.00090 | .00080 | .00040 | -.06000 | -.03000 |
| .952 | 1.000 | .23800 | .13750 | .22510 | .15770 | .05180 | -.02090 | -.00030 | .00300 | -.06000 | -.03000 |
| .950 | 2.070 | .23130 | .13730 | .21840 | .15690 | .05560 | -.04710 | -.00120 | .00760 | -.06000 | -.03000 |
| .951 | 3.090 | .22860 | .13900 | .21560 | .15840 | .05730 | -.06900 | -.00330 | .01090 | -.06000 | -.03000 |
| .951 | 4.160 | .22000 | .14000 | .20700 | .15850 | .06020 | -.09240 | -.00560 | .01490 | -.06000 | -.03000 |
| .951 | 6.250 | .21430 | .14350 | .20110 | .16150 | .06040 | -.13930 | -.01020 | .02190 | -.06000 | -.03000 |
| .952 | 8.350 | .21250 | .14140 | .19950 | .15930 | .06270 | -.18320 | -.01570 | .02940 | -.06000 | -.03000 |
| | GRADIENT | -.00143 | .00014 | -.00144 | -.00000 | .00037 | -.02192 | -.00149 | .00351 | .00000 | .00000 |

RUN NO. 374/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -6.340 | .26490 | .18410 | .24750 | .20690 | .04810 | .11160 | .01520 | -.01210 | -.06000 | -.03000 |
| 1.051 | -4.240 | .26230 | .18060 | .24540 | .20300 | .04450 | .07110 | .00970 | -.00630 | -.06000 | -.03000 |
| 1.050 | -3.190 | .26100 | .17980 | .24420 | .20200 | .04460 | .05240 | .00740 | -.00430 | -.06000 | -.03000 |
| 1.051 | -2.130 | .25890 | .17870 | .24230 | .20080 | .04550 | .03440 | .00490 | -.00260 | -.06000 | -.03000 |
| 1.049 | -1.080 | .25670 | .17830 | .24020 | .20000 | .04640 | .01740 | .00270 | -.00150 | -.06000 | -.03000 |
| 1.050 | -.010 | .25700 | .17940 | .24040 | .20120 | .04480 | .00070 | .00070 | -.00040 | -.06000 | -.03000 |
| 1.048 | 1.000 | .25750 | .17890 | .24070 | .20090 | .04630 | -.01510 | -.00100 | .00050 | -.06000 | -.03000 |
| 1.050 | 2.090 | .25780 | .17940 | .24110 | .20130 | .04600 | -.03330 | -.00330 | .00160 | -.06000 | -.03000 |
| 1.050 | 3.120 | .25650 | .18110 | .23960 | .20290 | .04730 | -.05120 | -.00590 | .00330 | -.06000 | -.03000 |
| 1.049 | 4.180 | .25400 | .18290 | .23700 | .20450 | .04780 | -.07040 | -.00870 | .00550 | -.06000 | -.03000 |
| 1.050 | 6.250 | .24920 | .18660 | .23190 | .20770 | .05120 | -.11680 | -.01270 | .01280 | -.06000 | -.03000 |
| 1.048 | 8.370 | .24690 | .18670 | .22960 | .20760 | .05680 | -.16610 | -.01840 | .02230 | -.06000 | -.03000 |
| | GRADIENT | -.00076 | .00024 | -.00078 | .00017 | .00035 | -.01655 | -.00212 | .00127 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B190) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 378/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.230 | .78020 | .12760 | .72130 | .32360 | .01760 | .10550 | .01780 | -.00920 | -.06000 | -.03000 |
| .952 | -4.140 | .79150 | .13150 | .73110 | .33050 | .00980 | .06790 | .01240 | -.00750 | -.06000 | -.03000 |
| .950 | -3.090 | .77570 | .12880 | .71670 | .32340 | .01580 | .04960 | .00940 | -.00690 | -.06000 | -.03000 |
| .950 | -2.050 | .78170 | .12970 | .72220 | .32590 | .01360 | .03170 | .00670 | -.00630 | -.06000 | -.03000 |
| .949 | -1.010 | .76910 | .12920 | .71030 | .32200 | .01720 | .01420 | .00420 | -.00580 | -.06000 | -.03000 |
| .950 | .050 | .77940 | .13050 | .71980 | .32610 | .01270 | -.00380 | .00210 | -.00580 | -.06000 | -.03000 |
| .953 | 1.080 | .77380 | .12960 | .71470 | .32370 | .01340 | -.02080 | .00030 | -.00560 | -.06000 | -.03000 |
| .948 | 2.140 | .77050 | .12970 | .71150 | .32270 | .01520 | -.03820 | -.00170 | -.00530 | -.06000 | -.03000 |
| .951 | 3.120 | .78680 | .12960 | .72710 | .32720 | .00800 | -.05020 | -.00720 | .00360 | -.06000 | -.03000 |
| .952 | 4.170 | .78010 | .12860 | .72100 | .32440 | .01060 | -.06850 | -.01070 | .00460 | -.06000 | -.03000 |
| .949 | 6.290 | .77020 | .12640 | .71210 | .31950 | .01510 | -.11390 | -.01600 | .00790 | -.06000 | -.03000 |
| .950 | 8.390 | .77920 | .12510 | .72090 | .32100 | .01940 | -.16030 | -.02240 | .01330 | -.06000 | -.03000 |
| | GRADIENT | -.00049 | -.00014 | -.00043 | -.00029 | -.00033 | -.01636 | -.00261 | .00131 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B191) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 379/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -6.220 | .78120 | .12780 | .72220 | .32410 | .01640 | .10390 | .01780 | -.00890 | -.06000 | -.03000 |
| .949 | -4.210 | .77740 | .13000 | .71800 | .32510 | .01480 | .07410 | .00900 | .00220 | -.06000 | -.03000 |
| .950 | -3.160 | .77060 | .12930 | .71180 | .32260 | .01730 | .05570 | .00680 | .00220 | -.06000 | -.03000 |
| .952 | -2.140 | .77800 | .13070 | .71840 | .32600 | .01480 | .03990 | .00410 | .00210 | -.06000 | -.03000 |
| .950 | -1.070 | .77280 | .12990 | .71370 | .32370 | .01610 | .02440 | .00170 | .00130 | -.06000 | -.03000 |
| .952 | -.030 | .77500 | .12980 | .71580 | .32420 | .01360 | .00690 | -.00030 | .00130 | -.06000 | -.03000 |
| .950 | 1.010 | .77890 | .12940 | .71960 | .32480 | .01180 | -.01080 | -.00230 | .00160 | -.06000 | -.03000 |
| .952 | 2.070 | .79000 | .12990 | .73020 | .32840 | .00670 | -.03070 | -.00450 | .00260 | -.06000 | -.03000 |
| .951 | 3.130 | .77050 | .12810 | .71190 | .32130 | .01690 | -.05370 | -.00650 | .00490 | -.06000 | -.03000 |
| .950 | 4.180 | .77610 | .12820 | .71730 | .32290 | .01270 | -.06910 | -.01060 | .00420 | -.06000 | -.03000 |
| .951 | 6.290 | .77520 | .12690 | .71680 | .32140 | .01410 | -.11520 | -.01590 | .00820 | -.06000 | -.03000 |
| .951 | 8.330 | .77630 | .12440 | .71840 | .31960 | .02030 | -.15960 | -.02220 | .01330 | -.06000 | -.03000 |
| | GRADIENT | .00038 | -.00021 | .00043 | -.00011 | -.00048 | -.01712 | -.00222 | .00028 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R2B192) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 7.000

RUN NO. 400/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.980 | -.06610 | .09120 | -.06290 | .09340 | -.01630 | -.00130 | .00140 | .00050 | -.06000 | -.03000 |
| .598 | -.010 | .02670 | .09230 | .02670 | .09230 | -.01670 | -.00130 | .00130 | .00050 | -.06000 | -.03000 |
| .597 | 1.940 | .11750 | .08980 | .11440 | .09370 | -.01830 | -.00160 | .00130 | .00060 | -.06000 | -.03000 |
| .597 | 4.010 | .21770 | .08350 | .21130 | .09850 | -.02000 | -.00140 | .00120 | .00060 | -.06000 | -.03000 |
| .597 | 5.980 | .31670 | .07460 | .30720 | .10720 | -.02280 | -.00210 | .00120 | .00050 | -.06000 | -.03000 |
| .597 | 7.920 | .41670 | .06300 | .40410 | .11980 | -.02600 | -.00210 | .00110 | .00050 | -.06000 | -.03000 |
| .598 | 9.980 | .52590 | .04900 | .50950 | .13940 | -.02780 | -.00330 | .00080 | .00060 | -.06000 | -.03000 |
| .597 | 12.000 | .63140 | .03520 | .61030 | .16570 | -.02580 | -.00390 | .00050 | .00040 | -.06000 | -.03000 |
| .598 | 13.970 | .74260 | .03460 | .71220 | .21290 | -.03090 | -.00730 | .00290 | .00220 | -.06000 | -.03000 |
| .597 | 16.000 | .85430 | .03840 | .81060 | .27240 | -.03670 | -.00430 | .00230 | .00030 | -.06000 | -.03000 |
| .597 | 17.980 | .97500 | .04400 | .91380 | .34280 | -.04640 | -.00380 | .00310 | .00010 | -.06000 | -.03000 |
| | GRADIENT | .04730 | -.00129 | .04570 | .00085 | -.00064 | -.00003 | -.00003 | .00002 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R28192) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 7.000

RUN NO. 386/ 0 RN/L = 7.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.870 | -.08990 | .18240 | -.08390 | .18530 | .01860 | .00070 | .00130 | .00010 | -.06000 | -.03000 |
| 1.201 | -.010 | .03060 | .18240 | .03060 | .18240 | -.01040 | .00070 | .00110 | .00000 | -.06000 | -.03000 |
| 1.200 | 1.930 | .14960 | .18250 | .14360 | .18740 | -.03690 | .00020 | .00110 | -.00010 | -.06000 | -.03000 |
| 1.199 | 4.020 | .27540 | .18290 | .26190 | .20170 | -.06160 | .00050 | .00070 | -.00010 | -.06000 | -.03000 |
| 1.198 | 5.910 | .38780 | .18280 | .36690 | .22180 | -.08200 | .00010 | .00070 | -.00010 | -.06000 | -.03000 |
| 1.200 | 7.910 | .49840 | .18060 | .46890 | .24740 | -.09630 | -.00050 | .00100 | -.00020 | -.06000 | -.03000 |
| 1.200 | 9.950 | .60310 | .17650 | .56350 | .27810 | -.10130 | -.00130 | .00060 | .00010 | -.06000 | -.03000 |
| 1.200 | 11.950 | .71370 | .17490 | .66200 | .31890 | -.10980 | -.00050 | .00040 | -.00030 | -.06000 | -.03000 |
| 1.197 | 13.940 | .82440 | .17550 | .75790 | .36900 | -.11810 | -.00090 | .00000 | -.00030 | -.06000 | -.03000 |
| 1.201 | 15.970 | .93230 | .17730 | .84750 | .42700 | -.12820 | -.00200 | .00030 | .00020 | -.06000 | -.03000 |
| 1.198 | 18.000 | 1.04160 | .17870 | .93550 | .49180 | -.13640 | -.00210 | .00030 | .00010 | -.06000 | -.03000 |
| | GRADIENT | .06194 | .00008 | .05864 | .00281 | -.01360 | -.00005 | -.00009 | -.00004 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R28193) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 7.000

RUN NO. 401/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -1.970 | -.06800 | .08880 | -.06490 | .09110 | -.01910 | -.07760 | -.00170 | .00810 | -.06000 | -.03000 |
| .597 | .010 | .02460 | .09050 | .02450 | .09050 | -.01990 | -.07840 | -.00310 | .00820 | -.06000 | -.03000 |
| .597 | 2.030 | .12060 | .08870 | .11740 | .09290 | -.02160 | -.07860 | -.00440 | .00840 | -.06000 | -.03000 |
| .598 | 3.950 | .21460 | .08370 | .20850 | .09830 | -.02380 | -.07870 | -.00560 | .00860 | -.06000 | -.03000 |
| .597 | 5.930 | .31620 | .07560 | .30670 | .10790 | -.02670 | -.08090 | -.00690 | .00880 | -.06000 | -.03000 |
| .598 | 7.950 | .42230 | .06320 | .40950 | .12110 | -.02930 | -.08050 | -.00850 | .00920 | -.06000 | -.03000 |
| .597 | 10.010 | .52880 | .04810 | .51240 | .13920 | -.02980 | -.07940 | -.01140 | .00900 | -.06000 | -.03000 |
| .597 | 12.030 | .63890 | .03370 | .61780 | .16610 | -.03110 | -.07900 | -.01290 | .00870 | -.06000 | -.03000 |
| .598 | 14.020 | .74990 | .03480 | .71910 | .21540 | -.03840 | -.08280 | -.00830 | .01000 | -.06000 | -.03000 |
| .597 | 16.040 | .85730 | .03650 | .81380 | .27200 | -.04170 | -.08260 | -.00730 | .00970 | -.06000 | -.03000 |
| .597 | 18.000 | .95940 | .03880 | .90050 | .33330 | -.[illegible]280 | -.08280 | -.00860 | .00980 | -.06000 | -.03000 |
| | GRADIENT | .04774 | -.00086 | .04616 | .00121 | -.00080 | -.00018 | -.00066 | .00009 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R28193) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 7.000

RUN NO. 387/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.990 | -.10300 | .18260 | -.09650 | .18610 | .02050 | -.07660 | -.00580 | .00770 | -.06000 | -.03000 |
| 1.201 | .000 | .02450 | .18330 | .02450 | .18330 | -.00950 | -.07500 | -.00660 | .00700 | -.06000 | -.03000 |
| 1.200 | 1.970 | .14560 | .18330 | .13940 | .18820 | -.03630 | -.07260 | -.00710 | .00610 | -.06000 | -.03000 |
| 1.200 | 3.960 | .26620 | .18390 | .25290 | .20180 | -.06060 | -.07060 | -.00770 | .00480 | -.06000 | -.03000 |
| 1.200 | 5.970 | .38570 | .18410 | .36440 | .22320 | -.08020 | -.06720 | -.00820 | .00350 | -.06000 | -.03000 |
| 1.199 | 7.930 | .49610 | .18250 | .46620 | .24920 | -.09250 | -.06980 | -.00840 | .00460 | -.06000 | -.03000 |
| 1.199 | 9.960 | .60750 | .18100 | .56710 | .28340 | -.10160 | -.06710 | -.00990 | .00320 | -.06000 | -.03000 |
| 1.200 | 11.980 | .71310 | .17910 | .66040 | .32320 | -.10900 | -.07070 | -.00880 | .00360 | -.06000 | -.03000 |
| 1.198 | 14.040 | .83660 | .17770 | .76850 | .37530 | -.12350 | -.07260 | -.00530 | .00290 | -.06000 | -.03000 |
| 1.200 | 16.040 | .94040 | .17660 | .85500 | .42950 | -.13120 | -.07120 | -.00570 | .00040 | -.06000 | -.03000 |
| 1.198 | 17.960 | 1.03340 | .17630 | .92870 | .48650 | -.13350 | -.07180 | -.00590 | -.00200 | -.06000 | -.03000 |
| | GRADIENT | .06200 | .00020 | .05868 | .00262 | -.01363 | .00103 | -.00031 | -.00048 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28194) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 7.000

RUN NO. 402/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -6.070 | .54720 | .04470 | .53090 | .13960 | -.03430 | .10840 | .01790 | -.01280 | -.06000 | -.03000 |
| .598 | -4.050 | .54120 | .04660 | .52480 | .14020 | -.03170 | .06950 | .01210 | -.00740 | -.06000 | -.03000 |
| .597 | -3.030 | .53850 | .04770 | .52190 | .14060 | -.03060 | .04990 | .00920 | -.00530 | -.06000 | -.03000 |
| .598 | -2.020 | .53220 | .04850 | .51570 | .14020 | -.02890 | .03160 | .00650 | -.00310 | -.06000 | -.03000 |
| .597 | -.990 | .53030 | .04880 | .51380 | .13990 | -.02810 | .01330 | .00350 | -.00100 | -.06000 | -.03000 |
| .598 | .970 | .52830 | .04900 | .51170 | .14010 | -.02810 | -.02110 | -.00170 | .00230 | -.06000 | -.03000 |
| .598 | 2.010 | .53040 | .04960 | .51360 | .14140 | -.02870 | -.04010 | -.00440 | .00440 | -.06000 | -.03000 |
| .597 | 3.060 | .53120 | .04940 | .51440 | .14150 | -.02930 | -.05890 | -.00760 | .00640 | -.06000 | -.03000 |
| .598 | 4.080 | .52820 | .04820 | .51170 | .13970 | -.02960 | -.07840 | -.01100 | .00870 | -.06000 | -.03000 |
| .598 | 6.170 | .52710 | .04610 | .51100 | .13740 | -.03360 | -.12230 | -.01560 | .01410 | -.06000 | -.03000 |
| .598 | 8.250 | .53480 | .04290 | .51910 | .13560 | -.03290 | -.16340 | -.02080 | .02010 | -.06000 | -.03000 |
| | GRADIENT | -.00131 | .00023 | -.00133 | .00005 | .00021 | -.01802 | -.00279 | .00194 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28194) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 7.000

RUN NO. 388/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -6.180 | .60350 | .17870 | .56420 | .27880 | -.10020 | .09990 | .01350 | -.00670 | -.06000 | -.03000 |
| 1.197 | -4.140 | .60400 | .17810 | .56490 | .27820 | -.10140 | .06680 | .00920 | -.00470 | -.06000 | -.03000 |
| 1.200 | -3.100 | .59970 | .17750 | .56090 | .27670 | -.10120 | .04940 | .00700 | -.00370 | -.06000 | -.03000 |
| 1.198 | -2.060 | .59590 | .17680 | .55730 | .27520 | -.10000 | .03200 | .00470 | -.00250 | -.06000 | -.03000 |
| 1.200 | -.990 | .59130 | .17640 | .55320 | .27340 | -.10000 | .01450 | .00250 | -.00130 | -.06000 | -.03000 |
| 1.199 | -.020 | .58790 | .17640 | .54990 | .27270 | -.09970 | -.00030 | .00040 | -.00030 | -.06000 | -.03000 |
| 1.200 | 1.020 | .59150 | .17700 | .55290 | .27490 | -.10010 | -.01540 | -.00210 | .00030 | -.06000 | -.03000 |
| 1.200 | 2.060 | .59550 | .17800 | .55660 | .27670 | -.10080 | -.03250 | -.00430 | .00130 | -.06000 | -.03000 |
| 1.199 | 3.120 | .59610 | .17920 | .55700 | .27800 | -.10080 | -.04860 | -.00710 | .00210 | -.06000 | -.03000 |
| 1.201 | 4.200 | .59530 | .18020 | .55600 | .27880 | -.10110 | -.06440 | -.01020 | .00300 | -.06000 | -.03000 |
| 1.198 | 6.260 | .59240 | .18080 | .55310 | .27890 | -.09930 | -.10690 | -.01380 | .00750 | -.06000 | -.03000 |
| 1.200 | 8.390 | .59660 | .18050 | .55720 | .27940 | -.09740 | -.14170 | -.01830 | .00960 | -.06000 | -.03000 |
| | GRADIENT | -.00074 | .00027 | -.00078 | .00018 | .00001 | -.01570 | -.00229 | .00092 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R28195) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 397/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -2.020 | -.08830 | .10480 | -.08450 | .10780 | -.01140 | -.00090 | .00180 | .00070 | -.06000 | -.03000 |
| .898 | .030 | .03220 | .10690 | .03210 | .10690 | -.02000 | -.00090 | .00140 | .00050 | -.06000 | -.03000 |
| .898 | 1.960 | .14090 | .10520 | .13720 | .10990 | -.02610 | -.00120 | .00080 | .00050 | -.06000 | -.03000 |
| .900 | 3.930 | .25070 | .10480 | .24290 | .12180 | -.03370 | -.00140 | .00020 | .00020 | -.06000 | -.03000 |
| .898 | 5.980 | .35560 | .10300 | .34290 | .13950 | -.03780 | -.00110 | -.00020 | -.00030 | -.06000 | -.03000 |
| .898 | 7.910 | .45230 | .10170 | .43400 | .16300 | -.04200 | -.00290 | .00020 | .00010 | -.06000 | -.03000 |
| .899 | 9.940 | .55690 | .10020 | .53130 | .19480 | -.04660 | -.00350 | -.00020 | .00030 | -.06000 | -.03000 |
| .898 | 11.950 | .65330 | .10230 | .61800 | .23530 | -.05290 | -.00490 | -.00010 | .00060 | -.06000 | -.03000 |
| .899 | 14.020 | .76040 | .10690 | .71190 | .28800 | -.06450 | -.00490 | .00130 | .00050 | -.06000 | -.03000 |
| .898 | 15 990 | .88380 | .11360 | .81830 | .35270 | -.08440 | -.00260 | .00260 | -.00100 | -.06000 | -.03000 |
| .900 | 17.940 | .99300 | .11340 | .90980 | .41380 | -.09220 | -.00420 | .00260 | -.00130 | -.06000 | -.03000 |
| | GRADIENT | .05692 | -.00008 | .05498 | .00226 | -.00369 | -.00009 | -.00027 | -.00008 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B195) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 392/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .953 | -1.940 | -.09420 | .12590 | -.08990 | .12900 | -.00370 | .00070 | .00110 | .00000 | -.06000 | -.03000 |
| .951 | -.030 | .02500 | .12780 | .02500 | .12780 | -.01780 | .00030 | .00080 | .00000 | -.06000 | -.03000 |
| .950 | 1.950 | .15100 | .12830 | .14660 | .13330 | -.03530 | .00040 | .00030 | .00010 | -.06000 | -.03000 |
| .953 | 3.960 | .27170 | .12740 | .26230 | .14590 | -.04970 | -.00060 | .00010 | .00030 | -.06000 | -.03000 |
| .951 | 5.940 | .38470 | .12610 | .36960 | .16530 | -.05950 | -.00020 | .00000 | .00060 | -.06000 | -.03000 |
| .951 | 7.850 | .49240 | .12420 | .47090 | .19020 | -.06950 | -.00070 | -.00050 | .00130 | -.06000 | -.03000 |
| .950 | 9.870 | .60300 | .12280 | .57300 | .22430 | -.07660 | .00080 | -.00170 | .00190 | -.06000 | -.03000 |
| .950 | 11.900 | .70550 | .12300 | .66500 | .26580 | -.08140 | .00160 | -.00200 | .00290 | -.06000 | -.03000 |
| .950 | 13.910 | .80500 | .12530 | .75120 | .31510 | -.08750 | .00140 | -.00010 | .00340 | -.06000 | -.03000 |
| .950 | 15.950 | .93130 | .13200 | .85910 | .38290 | -.10450 | .00340 | -.00100 | .00400 | -.06000 | -.03000 |
| .950 | 17.960 | 1.06120 | .13310 | .96850 | .45380 | -.11830 | .00410 | -.00130 | .00530 | -.06000 | -.03000 |
| | GRADIENT | .06217 | .00025 | .05986 | .00287 | -.00790 | -.00019 | -.00018 | .00005 | -.00000 | -.00000 |

RUN NO. 389/ 0 RN/L = 8.08 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -1.960 | -.11580 | .17050 | -.10990 | .17440 | .02050 | .00050 | .00120 | .00000 | -.06000 | -.03000 |
| 1.049 | -.020 | .01400 | .17090 | .01410 | .17090 | -.00140 | .00050 | .00100 | -.00010 | -.06000 | -.03000 |
| 1.049 | 2.000 | .15080 | .17210 | .14470 | .17720 | -.02700 | .00060 | .00080 | -.00010 | -.06000 | -.03000 |
| 1.049 | 4.010 | .28470 | .17560 | .27170 | .19510 | -.05300 | .00000 | .00050 | -.00020 | -.06000 | -.03000 |
| 1.047 | 5.990 | .40610 | .17570 | .38560 | .21720 | -.07290 | .00040 | .00000 | -.00020 | -.06000 | -.03000 |
| 1.049 | 7.910 | .51040 | .17590 | .48140 | .24440 | -.08350 | -.00050 | .00020 | .00000 | -.06000 | -.03000 |
| 1.049 | 9.930 | .61910 | .17400 | .57990 | .27820 | -.09040 | -.00090 | .00000 | .00000 | -.06000 | -.03000 |
| 1.048 | 11.950 | .72620 | .17490 | .67430 | .32140 | -.09490 | .00120 | -.00050 | -.00040 | -.06000 | -.03000 |
| 1.049 | 13.980 | .83540 | .17520 | .76840 | .37180 | -.10160 | -.00010 | .00020 | -.00050 | -.06000 | -.03000 |
| 1.048 | 16.020 | .94530 | .17840 | .85930 | .43240 | -.10870 | -.00170 | .00010 | -.00020 | -.06000 | -.03000 |
| 1.048 | 18.000 | 1.07850 | .17700 | .97110 | .50160 | -.12770 | -.00630 | .00120 | .00170 | -.06000 | -.03000 |
| | GRADIENT | .06715 | .00083 | .06399 | .00345 | -.01235 | -.00007 | -.00012 | -.00003 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R28196) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 398/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -1.990 | -.08980 | .10610 | -.08610 | .10910 | -.01650 | -.09620 | -.00120 | .01500 | -.06000 | -.03000 |
| .898 | -.020 | .02420 | .10800 | .02420 | .10800 | -.02460 | -.09630 | -.00370 | .01500 | -.06000 | -.03000 |
| .900 | 1.960 | .13910 | .10790 | .13530 | .11260 | -.03300 | -.09620 | -.00570 | .01490 | -.06000 | -.03000 |
| .899 | 3.920 | .24800 | .10610 | .24020 | .12280 | -.03920 | -.09610 | -.00610 | .01460 | -.06000 | -.03000 |
| .901 | 5.930 | .35290 | .10410 | .34030 | .14000 | -.04350 | -.09530 | -.00760 | .01320 | -.06000 | -.03000 |
| .899 | 7.950 | .45880 | .10350 | .44010 | .16600 | -.04680 | -.09600 | -.00860 | .01220 | -.06000 | -.03000 |
| .900 | 9.950 | .55880 | .10290 | .53260 | .19790 | -.05150 | -.09370 | -.01050 | .01130 | -.06000 | -.03000 |
| .899 | 11.990 | .66290 | .10310 | .62700 | .23870 | -.05950 | -.09450 | -.01090 | .01040 | -.06000 | -.03000 |
| .899 | 14.010 | .77050 | .10510 | .72210 | .28850 | -.07010 | -.09310 | -.00850 | .00680 | -.06000 | -.03000 |
| .900 | 16.030 | .89120 | .11040 | .82610 | .35220 | -.08680 | -.09010 | -.00520 | .00120 | -.06000 | -.03000 |
| .898 | 17.990 | .99580 | .10880 | .91360 | .41100 | -.09320 | -.08780 | -.00300 | -.00410 | -.06000 | -.03000 |
| | GRADIENT | .05725 | -.00000 | .05530 | .00232 | -.00388 | .00002 | -.00085 | -.00007 | -.00000 | -.00000 |

RUN NO. 393/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -1.960 | -.10560 | .12750 | -.10120 | .13100 | -.00170 | -.08910 | -.00470 | .01350 | -.06000 | -.03000 |
| .952 | -.020 | .01710 | .13080 | .01710 | .13080 | -.01580 | -.08910 | -.00820 | .01410 | -.06000 | -.03000 |
| .950 | 1.970 | .14410 | .13010 | .13950 | .13500 | -.03360 | -.09120 | -.00960 | .01530 | -.06000 | -.03000 |
| .950 | 3.950 | .26600 | .13070 | .25640 | .14870 | -.04850 | -.09320 | -.00950 | .01600 | -.06000 | -.03000 |
| .952 | 5.940 | .38100 | .13090 | .36540 | .16960 | -.05880 | -.09360 | -.00970 | .01650 | -.06000 | -.03000 |
| .950 | 7.870 | .49190 | .12730 | .46990 | .19340 | -.06930 | -.09430 | -.01110 | .01700 | -.06000 | -.03000 |
| .951 | 9.910 | .59940 | .12510 | .56890 | .22640 | -.07460 | -.08670 | -.01360 | .01390 | -.06000 | -.03000 |
| .951 | 11.990 | .71240 | .12620 | .67090 | .27050 | -.08360 | -.08300 | -.01400 | .01250 | -.06000 | -.03000 |
| .950 | 14.000 | .81780 | .12650 | .76290 | .32060 | -.09180 | -.08050 | -.01360 | .01090 | -.06000 | -.03000 |
| .950 | 16.020 | .93320 | .13000 | .86100 | .38250 | -.10370 | -.07760 | -.01240 | .00870 | -.06000 | -.03000 |
| .950 | 18.040 | 1.06080 | .13080 | .96810 | .45280 | -.11620 | -.06770 | -.01370 | .00500 | -.06000 | -.03000 |
| | GRADIENT | .06297 | .00045 | .06061 | .00291 | -.00802 | -.00073 | -.00080 | .00044 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B196) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 390/ 0 RN/L = 8.06 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -1.960 | -.11850 | .17230 | -.11250 | .17620 | .01820 | -.07830 | -.00520 | .00870 | -.06000 | -.03000 |
| 1.050 | -.010 | .01090 | .17320 | .01100 | .17320 | -.00360 | -.07680 | -.00870 | .00840 | -.06000 | -.03000 |
| 1.049 | 2.000 | .14560 | .17590 | .13950 | .18090 | -.02770 | -.07540 | -.01020 | .00820 | -.06000 | -.03000 |
| 1.048 | 4.000 | .27920 | .17890 | .26600 | .19790 | -.05210 | -.07450 | -.01030 | .00790 | -.06000 | -.03000 |
| 1.050 | 6.000 | .40180 | .18000 | .38080 | .22100 | -.07020 | -.07570 | -.01000 | .00820 | -.06000 | -.03000 |
| 1.049 | 7.940 | .51160 | .18070 | .48170 | .24970 | -.07910 | -.08080 | -.01050 | .01060 | -.06000 | -.03000 |
| 1.050 | 9.950 | .62000 | .17900 | .57980 | .28350 | -.08760 | -.07840 | -.01230 | .00940 | -.06000 | -.03000 |
| 1.049 | 12.010 | .73270 | .17860 | .67950 | .32720 | -.09530 | -.07400 | -.01250 | .00670 | -.06000 | -.03000 |
| 1.048 | 14.020 | .84190 | .17800 | .77360 | .37670 | -.10300 | -.07520 | -.01210 | .00550 | -.06000 | -.03000 |
| 1.048 | 16.010 | .95020 | .17550 | .86490 | .43080 | -.11000 | -.07760 | -.01130 | .00430 | -.06000 | -.03000 |
| 1.047 | 17.960 | 1.06280 | .17320 | .95760 | .49250 | -.12280 | -.07780 | -.00820 | .00200 | -.06000 | -.03000 |
| | GRADIENT | .06677 | .00113 | .06355 | .00367 | -.01182 | .00064 | -.00084 | -.00013 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B197) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 399/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.320 | .31900 | .10620 | .30840 | .13390 | -.04530 | .13640 | .01010 | -.01950 | -.06000 | -.03000 |
| .898 | -4.240 | .31330 | .10340 | .30300 | .13050 | -.04180 | .09280 | .00680 | -.01350 | -.06000 | -.03000 |
| .900 | -3.180 | .31180 | .10370 | .30150 | .13070 | -.04050 | .06850 | .00470 | -.00990 | -.06000 | -.03000 |
| .899 | -2.120 | .31020 | .10280 | .30000 | .12960 | -.03700 | .04380 | .00310 | -.00620 | -.06000 | -.03000 |
| .898 | -1.080 | .30550 | .10320 | .29540 | .12930 | -.03500 | .02060 | .00150 | -.00280 | -.06000 | -.03000 |
| .900 | -.020 | .30260 | .10400 | .29240 | .13010 | -.03440 | -.00230 | .00020 | .00030 | -.06000 | -.03000 |
| .898 | 1.030 | .30340 | .10380 | .29320 | .12980 | -.03470 | -.02530 | -.00110 | .00330 | -.06000 | -.03000 |
| .901 | 2.060 | .30450 | .10390 | .29430 | .13010 | -.03710 | -.04840 | -.00290 | .00660 | -.06000 | -.03000 |
| .898 | 3.100 | .30660 | .10440 | .29630 | .13080 | -.03880 | -.07170 | -.00460 | .01020 | -.06000 | -.03000 |
| .900 | 4.160 | .30610 | .10620 | .29570 | .13240 | -.04230 | -.09510 | -.00700 | .01400 | -.06000 | -.03000 |
| .899 | 6.260 | .30410 | .10690 | .29370 | .13290 | -.04690 | -.14290 | -.00910 | .02100 | -.06000 | -.03000 |
| .899 | 8.330 | .30840 | .10800 | .29780 | .13430 | -.04660 | -.18610 | -.01230 | .02800 | -.06000 | -.03000 |
| | GRADIENT | -.00092 | .00026 | -.00093 | .00015 | .00005 | -.02229 | -.00155 | .00321 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28197) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 394/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.310 | .33160 | .12970 | .31890 | .15830 | -.05130 | .13900 | .01420 | -.02490 | -.06000 | -.03000 |
| .951 | -4.220 | .33240 | .12670 | .32010 | .15520 | -.05520 | .09360 | .00930 | -.01690 | -.06000 | -.03000 |
| .950 | -3.170 | .33400 | .12710 | .32150 | .15580 | -.05690 | .06030 | .00730 | -.01200 | -.06000 | -.03000 |
| .951 | -2.120 | .33480 | .12710 | .32240 | .15590 | -.05650 | .04530 | .00500 | -.00780 | -.06000 | -.03000 |
| .950 | -1.080 | .33340 | .12750 | .32100 | .15610 | -.05610 | .02240 | .00280 | -.00360 | -.06000 | -.03000 |
| .951 | -.010 | .33170 | .12630 | .31940 | .15460 | -.05570 | -.00100 | -.00010 | .00050 | -.06000 | -.03000 |
| .948 | 1.010 | .33390 | .12720 | .32160 | .15580 | -.05670 | -.02320 | -.00230 | .00430 | -.06000 | -.03000 |
| .952 | 2.040 | .33360 | .12850 | .32120 | .15710 | -.05740 | -.04680 | -.00500 | .00830 | -.06000 | -.03000 |
| .951 | 3.080 | .32990 | .12950 | .31740 | .15770 | -.05590 | -.06960 | -.00710 | .01230 | -.06000 | -.03000 |
| .950 | 4.150 | .32370 | .13010 | .31120 | .15760 | -.05360 | -.09380 | -.00910 | .01660 | -.06000 | -.03000 |
| .951 | 6.240 | .31760 | .13080 | .30520 | .15780 | -.05260 | -.14210 | -.01340 | .02460 | -.06000 | -.03000 |
| .949 | 8.320 | .31590 | .13220 | .30330 | .15900 | -.04660 | -.18150 | -.01680 | .02930 | -.06000 | -.03000 |
| | GRADIENT | -.00078 | .00037 | -.00079 | .00028 | .00011 | -.02224 | -.00227 | .00394 | -.00000 | -.00000 |

RUN NO. 391/ 0 RN/L = 8.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -6.320 | .35760 | .17930 | .34020 | .21040 | -.06430 | .11410 | .01570 | -.01420 | -.06000 | -.03000 |
| 1.048 | -4.240 | .35200 | .17750 | .33500 | .20780 | -.06500 | .07340 | .01040 | -.00780 | -.06000 | -.03000 |
| 1.050 | -3.190 | .35170 | .17740 | .33480 | .20760 | -.06600 | .05370 | .00800 | -.00540 | -.06000 | -.03000 |
| 1.049 | -2.130 | .34940 | .17610 | .33260 | .20610 | -.06450 | .03530 | .00540 | -.00340 | -.06000 | -.03000 |
| 1.048 | -1.080 | .34750 | .17580 | .33080 | .20550 | -.06380 | .01790 | .00290 | -.00170 | -.06000 | -.03000 |
| 1.049 | -.010 | .34710 | .17630 | .33040 | .20590 | -.06410 | -.00010 | .00030 | -.00010 | -.06000 | -.03000 |
| 1.050 | 1.020 | .34760 | .17660 | .33080 | .20640 | -.06420 | -.01750 | -.00190 | .00150 | -.06000 | -.03000 |
| 1.050 | 2.070 | .34750 | .17700 | .33070 | .20690 | -.06430 | -.03590 | -.00460 | .00330 | -.06000 | -.03000 |
| 1.049 | 3.110 | .34780 | .17800 | .33090 | .20780 | -.06350 | -.05460 | -.00720 | .00520 | -.06000 | -.03000 |
| 1.048 | 4.180 | .34340 | .17970 | .32640 | .20900 | -.06240 | -.07390 | -.01000 | .00770 | -.06000 | -.03000 |
| 1.048 | 6.240 | .32980 | .18160 | .32260 | .21050 | -.06090 | -.12140 | -.01470 | .01600 | -.06000 | -.03000 |
| 1.048 | 8.360 | .34280 | .18200 | .32550 | .21140 | -.05580 | -.16700 | -.02000 | .02350 | -.06000 | -.03000 |
| | GRADIENT | -.00079 | .00021 | -.00079 | .00012 | .00028 | -.01731 | -.00241 | .00175 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28198) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPOBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 395/ 0 RN/L = 8.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -6.220 | .88550 | .13290 | .82110 | .35730 | -.09750 | .10980 | .02000 | -.01260 | -.06000 | -.03000 |
| .951 | -4.150 | .87890 | .13140 | .81500 | .35430 | -.09790 | .07120 | .01370 | -.00960 | -.06000 | -.03000 |
| .951 | -3.100 | .87920 | .13200 | .81530 | .35460 | -.09890 | .04990 | .01060 | -.00780 | -.06000 | -.03000 |
| .950 | -2.060 | .87440 | .13160 | .81090 | .35270 | -.09910 | .03010 | .00770 | -.00600 | -.06000 | -.03000 |
| .950 | -1.020 | .87540 | .13310 | .81150 | .35410 | -.10070 | .01110 | .00500 | -.00470 | -.06000 | -.03000 |
| .951 | .030 | .87000 | .13210 | .80660 | .35170 | -.09930 | -.00670 | .00240 | -.00420 | -.06000 | -.03000 |
| .950 | 1.040 | .86710 | .13080 | .80430 | .34960 | -.09570 | -.02530 | -.00010 | -.00310 | -.06000 | -.03000 |
| .950 | 2.060 | .86540 | .12900 | .80290 | .34770 | -.09610 | -.04040 | -.00460 | .00370 | -.06000 | -.03000 |
| .950 | 3.090 | .87290 | .13010 | .80970 | .35110 | -.09760 | -.05710 | -.00880 | .00760 | -.06000 | -.03000 |
| .951 | 4.130 | .88330 | .13300 | .81880 | .35690 | -.10210 | -.07390 | -.01300 | .00830 | -.06000 | -.03000 |
| .950 | 6.260 | .87630 | .12860 | .81320 | .35100 | -.09930 | -.12090 | -.01890 | .01280 | -.06000 | -.03000 |
| .950 | 8.380 | .88530 | .12520 | .82260 | .35050 | -.09520 | -.15980 | -.02200 | .01440 | -.06000 | -.03000 |
| | GRADIENT | -.00045 | -.00011 | -.00040 | -.00024 | -.00003 | -.01741 | -.00314 | .00224 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B199) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 396/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -6.220 | .88420 | .13120 | .82020 | .35540 | -.09640 | .11070 | .02020 | -.01300 | -.06000 | -.03000 |
| .949 | -4.230 | .87320 | .12710 | .81070 | .34840 | -.09560 | .07830 | .01040 | -.00040 | -.06000 | -.03000 |
| .950 | -3.180 | .87160 | .12740 | .80890 | .34850 | -.096[illegible] | .05860 | .00760 | .00080 | -.06000 | -.03000 |
| .953 | -2.140 | .87990 | .13250 | .81580 | .35530 | -.098[illegible] | .03940 | .00450 | .00220 | -.06000 | -.03000 |
| .949 | -1.090 | .87160 | .12990 | .80850 | .35050 | -.096[illegible] | .02040 | .00190 | .00310 | -.06000 | -.03000 |
| .953 | -.030 | .87530 | .13280 | .81110 | .35490 | -.10000 | .00230 | -.00070 | .00350 | -.06000 | -.03000 |
| .949 | 1.010 | .87210 | .12940 | .80890 | .35080 | -.09690 | -.01750 | -.00320 | .00480 | -.06000 | -.03000 |
| .951 | 2.100 | .88080 | .13230 | .81640 | .35620 | -.0[illegible]0 | -.03760 | -.00590 | .00610 | -.06000 | -.03000 |
| .948 | 3.200 | .87650 | .13030 | .81260 | .35330 | -.09600 | -.05820 | -.00890 | .00770 | -.06000 | -.03000 |
| .950 | 4.280 | .88430 | .13260 | .81950 | .35780 | -.10250 | -.07460 | -.01310 | .00840 | -.06000 | -.03000 |
| .951 | 6.390 | .88150 | .12980 | .81770 | .35390 | -.10060 | -.12130 | -.01890 | .01280 | -.06000 | -.03000 |
| .952 | 8.430 | .88800 | .12680 | .82470 | .35280 | -.09640 | -.15900 | -.02210 | .01430 | -.06000 | -.03000 |
| | GRADIENT | .00097 | .00047 | .00076 | .00085 | -.00053 | -.01810 | -.00266 | .00103 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R2B200) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 7.000

RUN NO. 417/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -2.030 | -.12980 | .06290 | -.12750 | .06750 | .02390 | -.00060 | .00180 | .00010 | -.06000 | -.03000 |
| .598 | -.040 | -.03690 | .06380 | -.03680 | .06380 | .02290 | -.00080 | .00160 | .00020 | -.06000 | -.03000 |
| .599 | 1.920 | .05400 | .06100 | .05190 | .06270 | .02320 | -.00100 | .00170 | .00020 | -.06000 | -.03000 |
| .600 | 4.010 | .15470 | .05450 | .15050 | .06510 | .02200 | -.00110 | .00150 | .00030 | -.06000 | -.03000 |
| .600 | 5.970 | .25120 | .04540 | .24510 | .07130 | .01960 | -.00120 | .00160 | .00010 | -.06000 | -.03000 |
| .600 | 7.900 | .35120 | .03330 | .34330 | .08120 | .01670 | -.00170 | .00150 | .00020 | -.06000 | -.03000 |
| .600 | 9.940 | .45940 | .01930 | .44920 | .09830 | .01460 | -.00180 | .00110 | .00020 | -.06000 | -.03000 |
| .600 | 11.950 | .56450 | .00560 | .55110 | .12240 | .01670 | -.00270 | .00080 | .00010 | -.06000 | -.03000 |
| .600 | 13.930 | .67610 | .00440 | .65520 | .16710 | .01200 | -.00610 | .00310 | .00200 | -.06000 | -.03000 |
| .600 | 15.950 | .78490 | .00810 | .75250 | .22350 | .00690 | -.00250 | .00240 | -.00010 | -.06000 | -.03000 |
| .599 | 17.990 | .91030 | .01400 | .86150 | .29440 | -.00490 | -.00330 | .00260 | .00000 | -.06000 | -.03000 |
| | GRADIENT | .04704 | -.00140 | .04596 | -.00041 | -.00027 | -.00008 | -.00004 | .00003 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B200) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 7.000

RUN NO. 403/ 0 RN/L = 7.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.202 | -1.980 | -.13390 | .15340 | -.12850 | .15800 | .05530 | .00100 | .00150 | .00000 | -.06000 | -.03000 |
| 1.200 | .010 | -.00600 | .15240 | -.00610 | .15240 | .02520 | .00080 | .00120 | -.00020 | -.06000 | -.03000 |
| 1.201 | 1.950 | .11300 | .15110 | .10780 | .15480 | -.00010 | .00060 | .00120 | -.00020 | -.06000 | -.03000 |
| 1.201 | 3.980 | .23300 | .15000 | .22210 | .16580 | -.02250 | .00080 | .00080 | -.00020 | -.06000 | -.03000 |
| 1.200 | 5.950 | .34810 | .14870 | .33080 | .18400 | -.04210 | .00040 | .00070 | -.00020 | -.06000 | -.03000 |
| 1.200 | 7.940 | .45830 | .14570 | .43380 | .20760 | -.05520 | -.00010 | .00020 | -.00030 | -.06000 | -.03000 |
| 1.201 | 9.960 | .56330 | .14060 | .53050 | .23590 | -.06160 | -.00040 | .00040 | -.00030 | -.06000 | -.03000 |
| 1.199 | 11.940 | .67440 | .13730 | .63140 | .27380 | -.06960 | .00030 | .00010 | -.00080 | -.06000 | -.03000 |
| 1.200 | 13.970 | .78910 | .13760 | .73260 | .32400 | -.07990 | -.00030 | .00020 | -.00050 | -.06000 | -.03000 |
| 1.200 | 15.970 | .89680 | .13950 | .82380 | .38090 | -.08890 | -.00130 | .00020 | .00000 | -.06000 | -.03000 |
| 1.199 | 17.980 | 1.00540 | .14100 | .91280 | .44450 | -.09750 | -.00240 | .00050 | .00020 | -.06000 | -.03000 |
| | GRADIENT | .06153 | -.00058 | .05881 | .00131 | -.01305 | -.00004 | -.00011 | -.00003 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B201) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 7.000

RUN NO. 418/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .601 | -2.070 | -.13190 | .06090 | -.12960 | .06570 | .02070 | -.07770 | -.00110 | .00780 | -.06000 | -.03000 |
| .600 | -.020 | -.03680 | .06230 | -.03670 | .06230 | .01970 | -.07800 | -.00260 | .00790 | -.06000 | -.03000 |
| .600 | 1.970 | .05590 | .06020 | .05380 | .06210 | .01940 | -.07740 | -.00370 | .00790 | -.06000 | -.03000 |
| .600 | 4.030 | .15590 | .05460 | .15170 | .06540 | .01790 | -.07810 | -.00510 | .00800 | -.06000 | -.03000 |
| .599 | 5.960 | .25350 | .04560 | .24740 | .07170 | .01520 | -.07890 | -.00630 | .00820 | -.06000 | -.03000 |
| .600 | 7.940 | .35690 | .03350 | .34890 | .08240 | .01280 | -.08010 | -.00810 | .00840 | -.06000 | -.03000 |
| .600 | 9.950 | .46310 | .01870 | .45290 | .09840 | .01150 | -.07910 | -.01080 | .00840 | -.06000 | -.03000 |
| .599 | 11.990 | .57290 | .00480 | .55940 | .12370 | .00990 | -.07730 | -.01270 | .00820 | -.06000 | -.03000 |
| .600 | 14.010 | .68860 | .00420 | .66710 | .17070 | .00340 | -.07990 | -.00870 | .00920 | -.06000 | -.03000 |
| .600 | 16.000 | .79430 | .00660 | .76170 | .22530 | .00030 | -.08080 | -.00700 | .00910 | -.06000 | -.03000 |
| .599 | 18.030 | .90090 | .00790 | .85420 | .28630 | -.00150 | -.08240 | -.00760 | .00980 | -.06000 | -.03000 |
| | GRADIENT | .04712 | -.00104 | .04605 | -.00005 | -.00043 | -.00003 | -.00065 | .00003 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R2B201) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 7.000

RUN NO. 404/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -2.010 | -.14010 | .15680 | -.13450 | .16160 | .05570 | -.07570 | -.00560 | .00740 | -.06000 | -.03000 |
| 1.201 | .020 | -.01120 | .15580 | -.01130 | .15580 | .02580 | -.07440 | -.00630 | .00660 | -.06000 | -.03000 |
| 1.202 | 1.970 | .10690 | .15420 | .10150 | .15780 | .00090 | -.07170 | -.00690 | .00570 | -.06000 | -.03000 |
| 1.199 | 3.900 | .22320 | .15270 | .21230 | .16750 | -.02080 | -.06950 | -.00740 | .00460 | -.06000 | -.03000 |
| 1.200 | 5.920 | .34260 | .15140 | .32510 | .18590 | -.04000 | -.06660 | -.00790 | .00310 | -.06000 | -.03000 |
| 1.200 | 7.890 | .45410 | .14950 | .42930 | .21040 | -.05290 | -.06790 | -.00810 | .00370 | -.06000 | -.03000 |
| 1.198 | 9.990 | .57090 | .14580 | .53690 | .24260 | -.06240 | -.06590 | -.01030 | .00270 | -.06000 | -.03000 |
| 1.199 | 11.980 | .67490 | .14250 | .63060 | .27950 | -.06930 | -.06950 | -.00830 | .00290 | -.06000 | -.03000 |
| 1.200 | 14.000 | .79470 | .14160 | .73680 | .32970 | -.08400 | -.06970 | -.00570 | .00150 | -.06000 | -.03000 |
| 1.199 | 16.010 | .90190 | .14200 | .82780 | .38520 | -.09090 | -.06860 | -.00540 | -.00090 | -.06000 | -.03000 |
| 1.200 | 18.010 | .99870 | .14070 | .90630 | .44270 | -.09500 | -.06690 | -.00610 | -.00410 | -.06000 | -.03000 |
| | GRADIENT | .06139 | -.00071 | .05861 | .00098 | -.01294 | .00108 | -.00031 | -.00047 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B202) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 7.000

RUN NO. 419/ 0 RN/L = 7.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -6.080 | .47800 | .01770 | .46770 | .10010 | .00750 | .10810 | .01730 | -.01230 | -.06000 | -.03000 |
| .599 | -4.060 | .47170 | .01780 | .46150 | .09900 | .01020 | .06930 | .01190 | -.00690 | -.06000 | -.03000 |
| .599 | -3.030 | .46750 | .01860 | .45720 | .09900 | .01150 | .04910 | .00930 | -.00480 | -.06000 | -.03000 |
| .600 | -2.020 | .46390 | .01910 | .45360 | .09880 | .01320 | .03100 | .00670 | -.00300 | -.06000 | -.03000 |
| .600 | -.990 | .46150 | .01960 | .45130 | .09860 | .01420 | .01390 | .00370 | -.00130 | .74000 | .83000 |
| .599 | -.010 | .45920 | .01970 | .44900 | .09850 | .01470 | -.00280 | .00110 | .00040 | -.06000 | -.03000 |
| .600 | .990 | .45770 | .02020 | .44740 | .09880 | .01430 | -.01930 | -.00130 | .00190 | -.06000 | -.03000 |
| .599 | 2.020 | .46210 | .01990 | .45170 | .09960 | .01420 | -.03790 | -.00400 | .00380 | -.06000 | -.03000 |
| .600 | 3.070 | .46190 | .01920 | .45160 | .09900 | .01320 | -.05730 | -.00710 | .00580 | -.06000 | -.03000 |
| .599 | 4.100 | .46010 | .01910 | .44990 | .09850 | .01200 | -.07620 | -.01050 | .00820 | -.06000 | -.03000 |
| .600 | 6.180 | .46030 | .01910 | .45010 | .09830 | .00760 | -.12040 | -.01470 | .01350 | -.06000 | -.03000 |
| .599 | 8.260 | .46870 | .01770 | .45860 | .09850 | .00770 | -.16160 | -.01970 | .01900 | -.06000 | -.03000 |
| | GRADIENT | -.00115 | .00015 | -.00116 | -.00000 | .00023 | -.01758 | -.00271 | .00179 | -.01287 | -.01384 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B202) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 7.000

RUN NO. 405/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.200 | -6.180 | .57500 | .14530 | .54100 | .24320 | -.06140 | .09940 | .01310 | -.00640 | -.06000 | -.03000 |
| 1.200 | -4.130 | .57690 | .14400 | .54310 | .24210 | -.06420 | .06440 | .00940 | -.00390 | -.06000 | -.03000 |
| 1.199 | -3.100 | .57590 | .14300 | .54240 | .24080 | -.06430 | .04720 | .00780 | -.00280 | -.06000 | -.03000 |
| 1.198 | -2.050 | .57130 | .14180 | .53810 | .23850 | -.06240 | .03090 | .00550 | -.00190 | -.06000 | -.03000 |
| 1.201 | -1.010 | .56580 | .14070 | .53300 | .23630 | -.06170 | .01420 | .00290 | -.00110 | -.06000 | -.03000 |
| 1.199 | -.020 | .56020 | .14020 | .52760 | .23470 | -.06080 | -.00050 | .00050 | -.00040 | -.06000 | -.03000 |
| 1.200 | 1.020 | .56330 | .14070 | .53030 | .23630 | -.06060 | -.01480 | -.00180 | .00020 | -.06000 | -.03000 |
| 1.199 | 2.090 | .56860 | .14230 | .53520 | .23910 | -.06200 | -.03150 | -.00400 | .00090 | -.06000 | -.03000 |
| 1.200 | 3.130 | .56980 | .14370 | .53610 | .24060 | -.06290 | -.04720 | -.00800 | .00130 | -.06000 | -.03000 |
| 1.200 | 4.190 | .56740 | .14540 | .53350 | .24170 | -.06230 | -.06410 | -.01010 | .00260 | -.06000 | -.03000 |
| 1.200 | 6.260 | .56670 | .14760 | .53240 | .24370 | -.06250 | -.10140 | -.01350 | .00510 | -.06000 | -.03000 |
| 1.200 | 8.390 | .56860 | .14720 | .53440 | .24380 | -.05960 | -.13810 | -.01760 | .00760 | -.06000 | -.03000 |
| | GRADIENT | -.00102 | .00014 | -.00105 | -.00001 | .00022 | -.01527 | -.00239 | .00073 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B203) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 416/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -2.010 | -.14440 | .07980 | -.14150 | .08480 | .03470 | -.00100 | .00200 | .00060 | -.06000 | -.03000 |
| .903 | -.040 | -.02830 | .08150 | -.02820 | .08150 | .02540 | -.00170 | .00160 | .00070 | -.06000 | -.03000 |
| .902 | 1.950 | .08460 | .08000 | .08180 | .08280 | .01920 | -.00110 | .00110 | .00050 | -.06000 | -.03000 |
| .901 | 3.930 | .19450 | .07840 | .18870 | .09160 | .01290 | -.00080 | .00040 | .00010 | -.06000 | -.03000 |
| .902 | 5.870 | .29620 | .07760 | .28670 | .10750 | .00840 | -.00030 | -.00060 | .00050 | -.06000 | -.03000 |
| .903 | 7.770 | .38810 | .07550 | .37440 | .12730 | .00690 | -.00240 | .00040 | .00000 | -.06000 | -.03000 |
| .902 | 9.900 | .49180 | .07250 | .47200 | .15600 | .00540 | -.00330 | -.00030 | .00040 | -.06000 | -.03000 |
| .901 | 11.930 | .58760 | .07310 | .55980 | .19290 | .00170 | -.00540 | -.00120 | .00080 | -.06000 | -.03000 |
| .900 | 13.880 | .68100 | .07540 | .64300 | .23670 | -.00480 | -.00510 | .00160 | .00010 | -.06000 | -.03000 |
| .903 | 15.880 | .79060 | .07960 | .73870 | .29290 | -.01540 | -.00300 | .00230 | -.00140 | -.06000 | -.03000 |
| .902 | 17.920 | .90170 | .07870 | .83380 | .35230 | -.01880 | -.00460 | .00170 | -.00150 | -.06000 | -.03000 |
| | GRADIENT | .05702 | -.00029 | .05556 | .00110 | -.00361 | .00006 | -.00027 | -.00009 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R28203) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 409/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.950 | -.15640 | .10150 | -.15280 | .10680 | .04780 | .00100 | .00140 | -.00020 | -.06000 | -.03000 |
| .950 | -.040 | -.03940 | .10350 | -.03930 | .10350 | .03680 | .00100 | .00130 | -.00010 | -.06000 | -.03000 |
| .950 | 2.070 | .09450 | .10290 | .09070 | .10620 | .01920 | .00100 | .00100 | -.00010 | -.06000 | -.03000 |
| .949 | 3.960 | .21630 | .09980 | .20890 | .11440 | .00140 | .00050 | .00080 | -.00010 | -.06000 | -.03000 |
| .950 | 5.940 | .33730 | .09700 | .32550 | .13140 | -.01370 | .00030 | .00040 | .00020 | -.06000 | -.03000 |
| .950 | 7.890 | .44580 | .09290 | .42880 | .15320 | -.02250 | -.00050 | .00010 | .00130 | -.06000 | -.03000 |
| .951 | 9.910 | .56070 | .09170 | .53660 | .18690 | -.03170 | .00100 | -.00100 | .00170 | -.06000 | -.03000 |
| .950 | 11.860 | .66180 | .09190 | .62880 | .22590 | -.03670 | .00330 | -.00070 | .00200 | -.06000 | -.03000 |
| .949 | 13.900 | .75750 | .09230 | .71310 | .27160 | -.03850 | .00210 | .00070 | .00280 | -.06000 | -.03000 |
| .951 | 15.950 | .87800 | .09690 | .81750 | .33450 | -.05230 | .00430 | -.00080 | .00370 | -.06000 | -.03000 |
| .947 | 17.940 | .98600 | .09620 | .90850 | .39520 | -.05640 | .00520 | -.00120 | .00490 | -.06000 | -.03000 |
| | GRADIENT | .06311 | -.00029 | .06125 | .00128 | -.00790 | -.00007 | -.00011 | .00002 | -.00000 | -.00000 |

RUN NO. 407/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -1.930 | -.16120 | .14220 | -.15640 | .14750 | .06420 | .00130 | .00150 | -.00010 | -.06000 | -.03000 |
| 1.047 | -.010 | -.03390 | .14060 | -.03390 | .14070 | .04300 | .00150 | .00140 | -.00020 | -.06000 | -.03000 |
| 1.048 | 2.010 | .10150 | .14170 | .09650 | .14520 | .01920 | .00150 | .00100 | -.00030 | -.06000 | -.03000 |
| 1.046 | 3.990 | .23240 | .14260 | .22200 | .15840 | -.00540 | .00070 | .00070 | -.00020 | -.06000 | -.03000 |
| 1.049 | 5.990 | .35540 | .14080 | .33880 | .17710 | -.02600 | .00060 | .00020 | -.00030 | -.06000 | -.03000 |
| 1.047 | 7.910 | .46310 | .13780 | .43980 | .20020 | -.03710 | .00020 | .00050 | -.00020 | -.06000 | -.03000 |
| 1.049 | 9.940 | .57620 | .13470 | .54430 | .23210 | -.04670 | -.00140 | .00050 | .00000 | -.06000 | -.03000 |
| 1.049 | 11.880 | .68120 | .13400 | .63900 | .27130 | -.05280 | .00170 | .00020 | -.00100 | -.06000 | -.03000 |
| 1.046 | 13.910 | .79150 | .13550 | .73570 | .32180 | -.05870 | .00070 | .00040 | -.00070 | -.06000 | -.03000 |
| 1.047 | 15.940 | .90140 | .13740 | .82900 | .37970 | -.06530 | -.00130 | .00020 | -.00030 | -.06000 | -.03000 |
| 1.048 | 17.930 | 1.02400 | .13620 | .93230 | .44480 | -.07970 | -.00550 | .00160 | .00140 | -.06000 | -.03000 |
| | GRADIENT | .06654 | .00012 | .06398 | .00190 | -.01176 | -.00009 | -.00014 | -.00002 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R2B204) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 415/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -1.930 | -.14520 | .08090 | -.14230 | .08570 | .03030 | -.09680 | .00000 | .01520 | -.06000 | -.03000 |
| .901 | -.040 | -.03510 | .08160 | -.03500 | .08160 | .02170 | -.09660 | -.00240 | .01520 | -.06000 | -.03000 |
| .902 | 1.950 | .08170 | .08090 | .07890 | .08360 | .01320 | -.09680 | -.00460 | .01520 | -.06000 | -.03000 |
| .903 | 3.910 | .19420 | .07920 | .18830 | .09230 | .00510 | -.09690 | -.00600 | .01470 | -.06000 | -.03000 |
| .903 | 5.950 | .29850 | .07580 | .28900 | .10640 | .00290 | -.09510 | -.00770 | .01290 | -.06000 | -.03000 |
| .901 | 7.960 | .40140 | .07380 | .38730 | .12870 | .00190 | -.09500 | -.00840 | .01170 | -.06000 | -.03000 |
| .901 | 10.000 | .49560 | .07280 | .47550 | .15770 | .00180 | -.09220 | -.01070 | .01050 | -.06000 | -.03000 |
| .901 | 12.030 | .59580 | .07330 | .56750 | .19590 | -.00310 | -.09230 | -.01140 | .00910 | -.06000 | -.03000 |
| .902 | 14.130 | .70370 | .07580 | .66390 | .24530 | -.01130 | -.09000 | -.01060 | .00510 | -.06000 | -.03000 |
| .902 | 16.010 | .79930 | .07650 | .74720 | .29390 | -.01830 | -.08680 | -.00740 | .00000 | -.06000 | -.03000 |
| .902 | 17.960 | .90160 | .07460 | .83470 | .34890 | -.02330 | -.08670 | -.00530 | -.00490 | -.06000 | -.03000 |
| | GRADIENT | .05817 | -.00030 | .05667 | .00113 | -.00431 | -.00003 | -.00103 | -.00008 | .00000 | .00000 |

RUN NO. 410/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -1.950 | -.16430 | .10360 | -.16070 | .10920 | .04920 | -.08830 | -.00500 | .01240 | -.06000 | -.03000 |
| .951 | -.030 | -.04400 | .10410 | -.04390 | .10410 | .03500 | -.08820 | -.00820 | .01310 | -.06000 | -.03000 |
| .951 | 1.970 | .08290 | .10330 | .07930 | .10610 | .01860 | -.08600 | -.00960 | .01280 | -.06000 | -.03000 |
| .949 | 3.940 | .20710 | .09910 | .19980 | .11310 | .00180 | -.08940 | -.00860 | .01440 | -.06000 | -.03000 |
| .950 | 5.940 | .33120 | .09900 | .31920 | .13280 | -.01290 | -.08830 | -.00910 | .01390 | -.06000 | -.03000 |
| .951 | 7.930 | .45050 | .09560 | .43300 | .15680 | -.02490 | -.08920 | -.01010 | .01470 | -.06000 | -.03000 |
| .949 | 9.910 | .55400 | .09060 | .53020 | .18460 | -.03020 | -.08290 | -.01190 | .01200 | -.06000 | -.03000 |
| .947 | 11.950 | .66560 | .09030 | .63240 | .22610 | -.03660 | -.07950 | -.01280 | .01030 | -.06000 | -.03000 |
| .951 | 14.020 | .77300 | .09390 | .72720 | .27840 | -.04520 | -.07800 | -.01330 | .00970 | -.06000 | -.03000 |
| .950 | 16.080 | .87960 | .09630 | .81850 | .33620 | -.04970 | -.07190 | -.01440 | .00650 | -.06000 | -.03000 |
| .951 | 18.000 | .98620 | .09570 | .90840 | .39580 | -.05640 | -.06480 | -.01580 | .00350 | -.06000 | -.03000 |
| | GRADIENT | .06310 | -.00073 | .06125 | .00070 | -.00806 | -.00006 | -.00062 | .00029 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B204) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 408/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -1.940 | -.16470 | .14600 | -.15970 | .15150 | .06020 | -.08000 | -.00510 | .00880 | -.06000 | -.03000 |
| 1.051 | -.010 | -.03720 | .14420 | -.03720 | .14420 | .03990 | -.07710 | -.00860 | .00790 | -.06000 | -.03000 |
| 1.049 | 2.020 | .09850 | .14520 | .09280 | .14860 | .01770 | -.07630 | -.01010 | .00780 | -.06000 | -.03000 |
| 1.047 | 4.010 | .22930 | .14620 | .21850 | .16190 | -.00600 | -.07500 | -.01000 | .00740 | -.06000 | -.03000 |
| 1.048 | 6.010 | .35480 | .14600 | .33760 | .18230 | -.02490 | -.07500 | -.00960 | .00730 | -.06000 | -.03000 |
| 1.048 | 7.960 | .46730 | .14530 | .44270 | .20860 | -.03630 | -.07870 | -.00990 | .00890 | -.06000 | -.03000 |
| 1.047 | 9.970 | .57730 | .14200 | .54400 | .23980 | -.04450 | -.07880 | -.01150 | .00920 | -.06000 | -.03000 |
| 1.049 | 11.930 | .68530 | .13820 | .64190 | .27690 | -.05250 | -.07630 | -.01190 | .00710 | -.06000 | -.03000 |
| 1.047 | 13.990 | .80200 | .13780 | .74490 | .32760 | -.06080 | -.07940 | -.01140 | .00700 | -.06000 | -.03000 |
| 1.047 | 16.040 | .91720 | .13710 | .84360 | .38520 | -.06940 | -.08010 | -.01000 | .00540 | -.06000 | -.03000 |
| 1.047 | 17.990 | 1.02330 | .13590 | .93130 | .44540 | -.07850 | -.07700 | -.00750 | .00120 | -.06000 | -.03000 |
| | GRADIENT | .06626 | .00008 | .06361 | .00181 | -.01111 | .00079 | -.00081 | -.00022 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B205) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 414/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .905 | -6.330 | .26340 | .07800 | .25540 | .10100 | .00030 | .13810 | .00910 | -.02010 | -.06000 | -.03000 |
| .903 | -4.240 | .25890 | .07720 | .25120 | .09960 | .00370 | .09310 | .00650 | -.01360 | -.06000 | -.03000 |
| .903 | -3.190 | .25860 | .07750 | .25080 | .09980 | .00500 | .06[illegible] | .00450 | -.01010 | -.06000 | -.03000 |
| .902 | -2.130 | .25630 | .07690 | .24850 | .09900 | .00790 | .04550 | .00270 | -.00650 | -.06000 | -.03000 |
| .902 | -1.080 | .25310 | .07750 | .24530 | .09940 | .00920 | .02270 | .00080 | -.00330 | -.06000 | -.03000 |
| .901 | -.010 | .25210 | .07810 | .24440 | .09970 | .00970 | -.00070 | -.00050 | -.00030 | -.06000 | -.03000 |
| .904 | 1.010 | .25510 | .07810 | .24720 | .10020 | .00830 | -.02350 | -.00200 | .00280 | -.06000 | -.03000 |
| .901 | 2.090 | .25360 | .07750 | .24590 | .09930 | .00770 | -.04700 | -.00340 | .00610 | -.06000 | -.03000 |
| .902 | 3.120 | .25100 | .07630 | .24340 | .09790 | .00700 | -.06980 | -.00500 | .00940 | -.06000 | -.03000 |
| .901 | 4.170 | .25370 | .07860 | .24590 | .10030 | .00330 | -.09530 | -.00710 | .01390 | -.06000 | -.03000 |
| .903 | 6.260 | .24940 | .07960 | .24160 | .10090 | -.00040 | -.14310 | -.00930 | .02110 | -.06000 | -.03000 |
| .902 | 8.360 | .24860 | .07960 | .24070 | .10090 | .00270 | -.18450 | -.01190 | .02710 | -.06000 | -.03000 |
| | GRADIENT | -.00075 | .00006 | -.00074 | -.00002 | .00005 | -.02222 | -.00155 | .00317 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28205) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 411/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -6.310 | .28030 | .10050 | .27030 | .12480 | -.00410 | .13360 | .01470 | -.02230 | -.06000 | -.03000 |
| .950 | -4.230 | .28200 | .09710 | .27240 | .12130 | -.00870 | .08730 | .00980 | -.01420 | -.06000 | -.03000 |
| .952 | -3.180 | .28220 | .09820 | .27250 | .12240 | -.00980 | .06310 | .00760 | -.00960 | -.06000 | -.03000 |
| .949 | -2.130 | .28150 | .09760 | .27190 | .12170 | -.00810 | .04150 | .00490 | -.00570 | -.06000 | -.03000 |
| .950 | -1.080 | .27890 | .09760 | .26940 | .12140 | -.00650 | .02090 | .00280 | -.00260 | -.06000 | -.03000 |
| .949 | -.010 | .27910 | .09910 | .26950 | .12290 | -.00620 | .00010 | .00040 | .00000 | -.06000 | -.03000 |
| .951 | 1.010 | .27990 | .09920 | .27020 | .12320 | -.00760 | -.02000 | -.00160 | .00270 | -.06000 | -.03000 |
| .952 | 2.080 | .27920 | .09830 | .26970 | .12220 | -.00860 | -.04150 | -.00380 | .00570 | -.06000 | -.03000 |
| .949 | 3.110 | .27570 | .09760 | .26620 | .12110 | -.00690 | -.06430 | -.00560 | .00970 | -.06000 | -.03000 |
| .950 | 4.140 | .27080 | .09960 | .26120 | .12270 | -.00540 | -.08740 | -.00860 | .01390 | -.06000 | -.03000 |
| .950 | 6.250 | .26460 | .10200 | .25480 | .12450 | -.00400 | -.13600 | -.01310 | .02160 | -.06000 | -.03000 |
| .949 | 8.350 | .26090 | .10310 | .25100 | .12530 | .00240 | -.17810 | -.01680 | .02770 | -.06000 | -.03000 |
| | GRADIENT | -.00108 | .00018 | -.00107 | .00007 | .00031 | -.02049 | -.00215 | .00316 | -.00000 | -.00000 |

RUN NO. 406/ 0 RN/L = 8.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -6.310 | .30940 | .14680 | .29510 | .17370 | -.01950 | .11130 | .01580 | -.01280 | -.06000 | -.03000 |
| 1.049 | -4.230 | .30330 | .14390 | .28940 | .17010 | -.01960 | .07190 | .01060 | -.00710 | -.06000 | -.03000 |
| 1.049 | -3.180 | .30190 | .14300 | .28810 | .16910 | -.01890 | .05310 | .00790 | -.00500 | -.06000 | -.03000 |
| 1.050 | -2.120 | .29820 | .14290 | .28440 | .16870 | -.01760 | .03530 | .00560 | -.00330 | -.06000 | -.03000 |
| 1.046 | -1.080 | .29450 | .14200 | .28100 | .16720 | -.01620 | .01750 | .00300 | -.00170 | -.06000 | -.03000 |
| 1.050 | -.010 | .29390 | .14230 | .28040 | .16740 | -.01630 | -.00040 | .00040 | -.00030 | -.06000 | -.03000 |
| 1.047 | 1.010 | .29490 | .14280 | .28130 | .16800 | -.01650 | -.01730 | -.00170 | .00120 | -.06000 | -.03000 |
| 1.050 | 2.090 | .29350 | .14410 | .27990 | .16900 | -.01680 | -.03570 | -.00410 | .00280 | -.06000 | -.03000 |
| 1.047 | 3.120 | .29300 | .14490 | .27930 | .16980 | -.01570 | -.05370 | -.00680 | .00480 | -.06000 | -.03000 |
| 1.048 | 4.140 | .29130 | .14580 | .27750 | .17050 | -.01620 | -.07160 | -.00960 | .00660 | -.06000 | -.03000 |
| 1.048 | 6.270 | .29010 | .14920 | .27610 | .17380 | -.01610 | -.11730 | -.01430 | .01380 | -.06000 | -.03000 |
| 1.046 | 8.370 | .28990 | .15080 | .27570 | .17540 | -.00980 | -.16520 | -.01980 | .02290 | -.06000 | -.03000 |
| | GRADIENT | -.00133 | .00026 | -.00132 | .00008 | .00039 | -.01703 | -.00237 | .00158 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B206) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 412/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -6.220 | .83050 | .09660 | .77750 | .30760 | -.04780 | .10610 | .02080 | -.01060 | -.06000 | -.03000 |
| .952 | -4.150 | .82600 | .09630 | .77320 | .30610 | -.05010 | .06680 | .01460 | -.00770 | -.06000 | -.03000 |
| .949 | -3.100 | .82360 | .09540 | .77120 | .30450 | -.04950 | .04660 | .01160 | -.00640 | -.06000 | -.03000 |
| .951 | -2.060 | .82300 | .09610 | .77050 | .30490 | -.04950 | .02830 | .00830 | -.00500 | -.06000 | -.03000 |
| .950 | -1.020 | .81880 | .09580 | .76660 | .30340 | -.04880 | .01040 | .00520 | -.00410 | -.06000 | -.03000 |
| .949 | .050 | .81950 | .09620 | .76700 | .30410 | -.04900 | -.00700 | .00240 | -.00380 | -.06000 | -.03000 |
| .950 | 1.070 | .81100 | .09450 | .75930 | .30030 | -.04450 | -.02520 | .00000 | -.00280 | -.06000 | -.03000 |
| .951 | 2.060 | .81890 | .09590 | .76650 | .30380 | -.04740 | -.03600 | -.00540 | .00590 | -.06000 | -.03000 |
| .951 | 3.120 | .82370 | .09630 | .77100 | .30560 | -.05030 | -.05260 | -.00930 | .00630 | -.06000 | -.03000 |
| .953 | 4.180 | .82440 | .09540 | .77190 | .30500 | -.05050 | -.07290 | -.01360 | .00820 | -.06000 | -.03000 |
| .948 | 6.300 | .81940 | .09390 | .76740 | .30220 | -.04600 | -.11760 | -.01950 | .01140 | -.06000 | -.03000 |
| .952 | 8.430 | .82120 | .09150 | .76970 | .30050 | -.04010 | -.15350 | -.02410 | .01160 | -.06000 | -.03000 |
| | GRADIENT | -.00036 | -.00004 | -.00034 | -.00010 | .00007 | -.01638 | -.00334 | .00200 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B207) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 413/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.220 | .82000 | .09360 | .76830 | .30170 | -.04490 | .10540 | .02080 | -.01070 | -.06000 | -.03000 |
| .953 | -4.240 | .82300 | .09510 | .77050 | .30490 | -.04910 | .07360 | .01160 | .00160 | -.06000 | -.03000 |
| .950 | -3.180 | .82150 | .09620 | .76910 | .30440 | -.04950 | .05370 | .00870 | .00230 | -.06000 | -.03000 |
| .950 | -2.130 | .82360 | .09700 | .77090 | .30570 | -.04950 | .03670 | .00570 | .00290 | -.06000 | -.03000 |
| .952 | -1.090 | .81970 | .09630 | .76720 | .30430 | -.04870 | .01940 | .00260 | .00320 | -.06000 | -.03000 |
| .952 | -.030 | .82510 | .09800 | .77170 | .30780 | -.05050 | .00230 | -.00040 | .00340 | -.06000 | -.03000 |
| .951 | 1.010 | .82240 | .09640 | .76960 | .30560 | -.04940 | -.01410 | -.00310 | .00350 | -.06000 | -.03000 |
| .951 | 2.100 | .82720 | .09740 | .77390 | .30820 | -.04940 | -.03650 | -.00560 | .00600 | -.06000 | -.03000 |
| .951 | 3.160 | .82380 | .09470 | .77130 | .30440 | -.04930 | -.05450 | -.01020 | .00670 | -.06000 | -.03000 |
| .953 | 4.230 | .82740 | .09590 | .77450 | .30670 | -.05060 | -.07490 | -.01380 | .00840 | -.06000 | -.03000 |
| .952 | 6.350 | .82120 | .09430 | .76890 | .30330 | -.04700 | -.11820 | -.01950 | .01130 | -.06000 | -.03000 |
| .953 | 8.380 | .82380 | .09200 | .77200 | .30190 | -.04070 | -.15200 | -.02390 | .01170 | -.06000 | -.03000 |
| | GRADIENT | .00054 | -.00007 | .00049 | .00021 | -.00009 | -.01731 | -.00294 | .00074 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R2B208) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 7.000

RUN NO. 434/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -2.110 | -.16330 | .06340 | -.16080 | .06940 | .04550 | -.00120 | .00170 | .00040 | -.06000 | -.03000 |
| .598 | -.070 | -.06850 | .06430 | -.06840 | .06440 | .04440 | -.00140 | .00160 | .00040 | -.06000 | -.03000 |
| .596 | 1.950 | .02630 | .06130 | .02420 | .06210 | .04440 | -.00110 | .00180 | .00070 | -.06000 | -.03000 |
| .597 | 3.870 | .11670 | .05510 | .11270 | .06290 | .04370 | -.00160 | .00160 | .00040 | -.06000 | -.03000 |
| .596 | 5.850 | .21400 | .04630 | .20820 | .06790 | .04210 | -.00090 | .00150 | .00040 | -.06000 | -.03000 |
| .597 | 7.870 | .31610 | .03370 | .30850 | .07670 | .03900 | -.00160 | .00140 | .00040 | -.06000 | -.03000 |
| .597 | 9.890 | .42460 | .01960 | .41500 | .09220 | .03710 | -.00230 | .00120 | .00040 | -.06000 | -.03000 |
| .597 | 10.910 | .47770 | .01230 | .46670 | .10250 | .03800 | -.00290 | .00110 | .00040 | -.06000 | -.03000 |
| .597 | 11.940 | .53240 | .00550 | .51970 | .11560 | .03900 | -.00330 | .00080 | .00010 | -.06000 | -.03000 |
| .597 | 13.960 | .64540 | .00260 | .62570 | .15830 | .03490 | -.00720 | .00300 | .00240 | -.06000 | -.03000 |
| .597 | 15.900 | .75050 | .00660 | .71990 | .21200 | .02910 | -.00460 | .00250 | .00020 | -.06000 | -.03000 |
| .598 | 17.830 | .86710 | .01210 | .82180 | .27700 | .01820 | -.00390 | .00300 | .00010 | -.06000 | -.03000 |
| | GRADIENT | .04683 | -.00139 | .04574 | -.00110 | -.00027 | -.00004 | -.00000 | .00002 | -.00000 | -.00000 |

RUN NO. 420/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -2.030 | -.15510 | .15380 | -.14950 | .15920 | .07390 | .00180 | .00150 | .00000 | -.06000 | -.03000 |
| 1.199 | .000 | -.02440 | .15290 | -.02440 | .15290 | .04370 | .00170 | .00140 | -.00010 | -.06000 | -.03000 |
| 1.199 | 1.950 | .09390 | .15120 | .08870 | .15440 | .01930 | .00140 | .00130 | -.00010 | -.06000 | -.03000 |
| 1.198 | 3.900 | .20840 | .15000 | .19780 | .16380 | -.00200 | .00120 | .00080 | -.00010 | -.06000 | -.03000 |
| 1.201 | 5.920 | .32510 | .14740 | .30810 | .18010 | -.02100 | .00060 | .00050 | -.00030 | -.06000 | -.03000 |
| 1.198 | 7.910 | .43560 | .14330 | .41180 | .20190 | -.03370 | .00080 | .00040 | -.00020 | -.06000 | -.03000 |
| 1.198 | 9.950 | .54250 | .13750 | .51050 | .22920 | -.03930 | .00030 | .00000 | -.00050 | -.06000 | -.03000 |
| 1.200 | 11.910 | .65100 | .13480 | .60920 | .26630 | -.04690 | .00140 | .00000 | -.00080 | -.06000 | -.03000 |
| 1.200 | 13.930 | .76370 | .13570 | .70850 | .31560 | -.05590 | .00020 | .00030 | -.00040 | -.06000 | -.03000 |
| 1.198 | 15.950 | .87250 | .13800 | .80100 | .37250 | -.06470 | -.00100 | .00030 | -.00020 | -.06000 | -.03000 |
| 1.199 | 17.890 | .97740 | .13740 | .88790 | .43100 | -.07300 | -.00200 | .00050 | .00010 | -.06000 | -.03000 |
| | GRADIENT | .06125 | -.00066 | .05852 | .00076 | -.01278 | -.00011 | -.00011 | -.00002 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B207) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 413/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.220 | .82000 | .09360 | .76830 | .30170 | -.04490 | .10540 | .02080 | -.01070 | -.06000 | -.03000 |
| .953 | -4.240 | .82300 | .09510 | .77050 | .30490 | -.04910 | .07360 | .01160 | .00160 | -.06000 | -.03000 |
| .950 | -3.180 | .82150 | .09620 | .76910 | .30440 | -.04950 | .05370 | .00870 | .00230 | -.06000 | -.03000 |
| .950 | -2.130 | .82360 | .09700 | .77090 | .30570 | -.04950 | .03670 | .00570 | .00290 | -.06000 | -.03000 |
| .952 | -1.090 | .81970 | .09630 | .76720 | .30430 | -.04870 | .01940 | .00260 | .00320 | -.06000 | -.03000 |
| .952 | -.030 | .82510 | .09800 | .77170 | .30780 | -.05050 | .00230 | -.00040 | .00340 | -.06000 | -.03000 |
| .951 | 1.010 | .82240 | .09640 | .76960 | .30560 | -.04940 | -.01410 | -.00310 | .00350 | -.06000 | -.03000 |
| .951 | 2.100 | .82720 | .09740 | .77390 | .30820 | -.04940 | -.03650 | -.00560 | .00600 | -.06000 | -.03000 |
| .951 | 3.160 | .82380 | .09470 | .77130 | .30440 | -.04930 | -.05450 | -.01020 | .00670 | -.06000 | -.03000 |
| .953 | 4.230 | .82740 | .09590 | .77450 | .30670 | -.05060 | -.07490 | -.01380 | .00840 | -.06000 | -.03000 |
| .952 | 6.350 | .82120 | .09430 | .76890 | .30330 | -.04700 | -.11820 | -.01950 | .01130 | -.06000 | -.03000 |
| .953 | 8.380 | .82380 | .09200 | .77200 | .30190 | -.04070 | -.15200 | -.02390 | .01170 | -.06000 | -.03000 |
| | GRADIENT | .00054 | -.00007 | .00049 | .00021 | -.00009 | -.01731 | -.00294 | .00074 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R28208) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 7.000

RUN NO. 434/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -2.110 | -.16330 | .06340 | -.16080 | .06940 | .04550 | -.00120 | .00170 | .00040 | -.06000 | -.03000 |
| .598 | -.070 | -.06850 | .05430 | -.06840 | .05440 | .04440 | -.00140 | .00160 | .00040 | -.06000 | -.03000 |
| .596 | 1.950 | .02630 | .06130 | .02420 | .06210 | .04440 | -.00110 | .00180 | .00070 | -.06000 | -.03000 |
| .597 | 3.870 | .11670 | .05510 | .11270 | .06290 | .04370 | -.00160 | .00160 | .00040 | -.06000 | -.03000 |
| .596 | 5.850 | .21400 | .04630 | .20820 | .06790 | .04210 | -.00090 | .00150 | .00040 | -.06000 | -.03000 |
| .597 | 7.870 | .31610 | .03370 | .30850 | .07670 | .03900 | -.00160 | .00140 | .00040 | -.06000 | -.03000 |
| .597 | 9.890 | .42460 | .01960 | .41500 | .09220 | .03710 | -.00230 | .00120 | .00040 | -.06000 | -.03000 |
| .597 | 10.910 | .47770 | .01230 | .46670 | .10250 | .03800 | -.00290 | .00110 | .00040 | -.06000 | -.03000 |
| .597 | 11.940 | .53240 | .00550 | .51970 | .11560 | .03900 | -.00330 | .00080 | .00010 | -.06000 | -.03000 |
| .597 | 13.960 | .64540 | .00260 | .62570 | .15830 | .03490 | -.00720 | .00300 | .00240 | -.06000 | -.03000 |
| .597 | 15.900 | .75050 | .00660 | .71990 | .21200 | .02910 | -.00460 | .00250 | .00020 | -.06000 | -.03000 |
| .598 | 17.830 | .86710 | .01210 | .82180 | .27700 | .01820 | -.00390 | .00300 | .00010 | -.06000 | -.03000 |
| | GRADIENT | .04683 | -.00139 | .04574 | -.00110 | -.00027 | -.00004 | -.00000 | .00002 | -.00000 | -.00000 |

RUN NO. 420/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -2.030 | -.15510 | .15380 | -.14950 | .15920 | .07390 | .00180 | .00150 | .00000 | -.06000 | -.03000 |
| 1.199 | .000 | -.02440 | .15290 | -.02440 | .15290 | .04370 | .00170 | .00140 | -.00010 | -.06000 | -.03000 |
| 1.199 | 1.950 | .09390 | .15120 | .08870 | .15440 | .01930 | .00140 | .00130 | -.00010 | -.06000 | -.03000 |
| 1.198 | 3.900 | .20840 | .15000 | .19780 | .16380 | -.00200 | .00120 | .00080 | -.00010 | -.06000 | -.03000 |
| 1.201 | 5.920 | .32510 | .14740 | .30810 | .18010 | -.02100 | .00060 | .00050 | -.00030 | -.06000 | -.03000 |
| 1.198 | 7.910 | .43560 | .14330 | .41180 | .20190 | -.03370 | .00080 | .00040 | -.00020 | -.06000 | -.03000 |
| 1.198 | 9.950 | .54250 | .13750 | .51050 | .22920 | -.03930 | .00030 | .00000 | -.00050 | -.06000 | -.03000 |
| 1.200 | 11.910 | .65100 | .13480 | .60920 | .26630 | -.04690 | .00140 | .00000 | -.00080 | -.06000 | -.03000 |
| 1.200 | 13.930 | .76370 | .13570 | .70850 | .31560 | -.05590 | .00020 | .00030 | -.00040 | -.06000 | -.03000 |
| 1.198 | 15.950 | .87250 | .13800 | .80100 | .37250 | -.06470 | -.00100 | .00030 | -.00020 | -.06000 | -.03000 |
| 1.199 | 17.890 | .97740 | .13740 | .88790 | .43100 | -.07300 | -.00200 | .00050 | .00010 | -.06000 | -.03000 |
| | GRADIENT | .06125 | -.00066 | .05852 | .00076 | -.01278 | -.00011 | -.00011 | -.00002 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R28209) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 7.000

RUN NO. 435/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -2.070 | -.16210 | .06200 | -.15980 | .06780 | .04140 | -.07820 | -.00090 | .00780 | -.06000 | -.03000 |
| .597 | -.050 | -.06920 | .06370 | -.06910 | .06370 | .04070 | -.07780 | -.00230 | .00810 | -.06000 | -.03000 |
| .597 | 1.920 | .02400 | .06160 | .02190 | .06230 | .04030 | -.07780 | -.00340 | .00810 | -.06000 | -.03000 |
| .598 | 3.830 | .11390 | .05640 | .10990 | .06390 | .03980 | -.07700 | -.00450 | .00810 | -.06000 | -.03000 |
| .598 | 5.830 | .21470 | .04730 | .20680 | .06890 | .03730 | -.07800 | -.00570 | .00810 | -.06000 | -.03000 |
| .597 | 7.950 | .32690 | .03470 | .31890 | .07960 | .03460 | -.07930 | -.00760 | .00870 | -.06000 | -.03000 |
| .598 | 10.000 | .43450 | .01970 | .42450 | .09490 | .03330 | -.07880 | -.01040 | .00850 | -.06000 | -.03000 |
| .598 | 10.950 | .48290 | .01310 | .47170 | .10450 | .03270 | -.07790 | -.01170 | .00840 | -.06000 | -.03000 |
| .598 | 11.940 | .54020 | .00600 | .52730 | .11760 | .03200 | -.07760 | -.01230 | .00840 | -.06000 | -.03000 |
| .598 | 13.960 | .65230 | .00270 | .63240 | .15990 | .02610 | -.07960 | -.00820 | .00950 | -.06000 | -.03000 |
| .597 | 15.900 | .76080 | .00610 | .73000 | .21420 | .02150 | -.08110 | -.00670 | .00890 | -.06000 | -.03000 |
| .598 | 17.970 | .86910 | .00720 | .82450 | .27510 | .02010 | -.08110 | -.00660 | .00960 | -.06000 | -.03000 |
| | GRADIENT | .04683 | -.00095 | .04576 | -.00067 | -.00026 | .00018 | -.00061 | .00005 | -.00000 | -.00000 |

RUN NO. 421/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.201 | -2.070 | -.16060 | .15640 | -.15490 | .16210 | .07330 | -.07510 | -.00540 | .00740 | -.06000 | -.03000 |
| 1.198 | -.070 | -.03560 | .15430 | -.03540 | .15440 | .04550 | -.07320 | -.00620 | .00660 | -.06000 | -.03000 |
| 1.199 | 1.970 | .08800 | .15280 | .08270 | .15570 | .01990 | -.07140 | -.00690 | .00570 | -.06000 | -.03000 |
| 1.198 | 3.910 | .20400 | .15120 | .19320 | .16470 | -.00130 | -.06920 | -.00750 | .00450 | -.06000 | -.03000 |
| 1.198 | 5.940 | .32290 | .14920 | .30570 | .18180 | -.01920 | -.06630 | -.00790 | .00280 | -.06000 | -.03000 |
| 1.198 | 7.870 | .43040 | .14590 | .40630 | .20340 | -.03080 | -.06830 | -.00780 | .00390 | -.06000 | -.03000 |
| 1.198 | 9.910 | .54220 | .14130 | .50980 | .23250 | -.03960 | -.06570 | -.00930 | .00250 | -.06000 | -.03000 |
| 1.197 | 12.000 | .65650 | .13880 | .61340 | .27230 | -.04720 | -.06710 | -.00910 | .00230 | -.06000 | -.03000 |
| 1.199 | 13.940 | .76790 | .13800 | .71200 | .31890 | -.05980 | -.06980 | -.00590 | .00140 | -.06000 | -.03000 |
| 1.198 | 15.960 | .87580 | .13790 | .80420 | .37340 | -.06720 | -.06800 | -.00550 | -.00110 | -.06000 | -.03000 |
| 1.199 | 17.920 | .97000 | .13550 | .88120 | .42750 | -.06940 | -.06670 | -.00600 | -.00410 | -.06000 | -.03000 |
| | GRADIENT | .06093 | -.00086 | .05818 | .00044 | -.01249 | .00098 | -.00035 | -.00048 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28210) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 7.000

RUN NO. 436/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -6.070 | .44630 | .01850 | .43640 | .09540 | .02970 | .10810 | .01690 | -.01210 | -.06000 | -.03000 |
| .598 | -4.060 | .43760 | .01840 | .42790 | .09360 | .03300 | .06950 | .01150 | -.00690 | -.06000 | -.03000 |
| .597 | -3.040 | .43420 | .01880 | .42450 | .09340 | .03410 | .04970 | .00900 | -.00490 | -.06000 | -.03000 |
| .598 | -2.000 | .42980 | .01880 | .42020 | .09230 | .03580 | .03070 | .00640 | -.00280 | -.06000 | -.03000 |
| .597 | -.990 | .42750 | .01930 | .41790 | .09230 | .03660 | .01220 | .00350 | -.00120 | -.06000 | -.03000 |
| .598 | -.020 | .42490 | .01960 | .41520 | .09210 | .03700 | -.00300 | .00110 | .00050 | -.06000 | -.03000 |
| .597 | .950 | .42580 | .02020 | .41600 | .09300 | .03690 | -.01930 | -.00120 | .00210 | -.06000 | -.03000 |
| .598 | 2.030 | .42810 | .02040 | .41810 | .09400 | .03630 | -.03870 | -.00370 | .00400 | -.06000 | -.03000 |
| .597 | 3.050 | .42830 | .02070 | .41830 | .09440 | .03530 | -.05740 | -.00670 | .00580 | -.06000 | -.03000 |
| .597 | 4.100 | .42830 | .02040 | .41830 | .09410 | .03370 | -.07620 | -.00990 | .00820 | -.06000 | -.03000 |
| .597 | 6.130 | .42820 | .02120 | .41810 | .09480 | .02860 | -.12030 | -.01420 | .01310 | -.06000 | -.03000 |
| .598 | 8.200 | .43770 | .01990 | .42760 | .09530 | .02890 | -.16030 | -.01850 | .01840 | -.06000 | -.03000 |
| | GRADIENT | -.00098 | .00029 | -.00103 | .00015 | .00012 | -.01764 | -.00259 | .00180 | .00000 | .00000 |

RUN NO. 422/ 0 RN/L = 6.88 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -6.320 | .54960 | .14200 | .51680 | .23490 | -.03940 | .10040 | .01360 | -.00610 | -.06000 | -.03000 |
| 1.199 | -4.250 | .55100 | .14090 | .51840 | .23400 | -.04150 | .06660 | .00960 | -.00410 | -.06000 | -.03000 |
| 1.198 | -3.210 | .54910 | .14020 | .51660 | .23280 | -.04070 | .04910 | .00800 | -.00270 | -.06000 | -.03000 |
| 1.198 | -2.180 | .54740 | .13890 | .51520 | .23140 | -.04020 | .03320 | .00590 | -.00170 | -.06000 | -.03000 |
| 1.198 | -1.130 | .54650 | .13790 | .51440 | .23060 | -.03980 | .01750 | .00290 | -.00130 | -.06000 | -.03000 |
| 1.199 | .000 | .54660 | .13700 | .51430 | .23030 | -.03930 | .00070 | .00010 | -.00050 | -.06000 | -.03000 |
| 1.197 | 1.110 | .54450 | .13790 | .51250 | .22990 | -.03880 | -.01550 | -.00220 | .00010 | -.06000 | -.03000 |
| 1.198 | 2.170 | .54580 | .13900 | .51370 | .23080 | -.03910 | -.03300 | -.00410 | .00110 | -.06000 | -.03000 |
| 1.198 | 3.210 | .54260 | .13970 | .51060 | .23070 | -.03910 | -.04870 | -.00690 | .00160 | -.06000 | -.03000 |
| 1.197 | 4.240 | .54000 | .14130 | .50790 | .23160 | -.03920 | -.06580 | -.00940 | .00260 | -.06000 | -.03000 |
| 1.197 | 6.330 | .54000 | .14370 | .50750 | .23380 | -.03940 | -.10290 | -.01340 | .00490 | -.06000 | -.03000 |
| 1.198 | 8.410 | .54110 | .14470 | .50840 | .23510 | -.03730 | -.13870 | -.01770 | .00720 | -.06000 | -.03000 |
| | GRADIENT | -.00107 | .00000 | -.00101 | -.00028 | .00027 | -.07540 | -.00227 | .00073 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R2B211) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPOBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 431/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -2.030 | -.17640 | .08010 | -.17350 | .08630 | .06060 | -.00190 | .00200 | .00070 | -.06000 | -.03000 |
| .897 | -.080 | -.06330 | .08110 | -.06320 | .08120 | .05240 | -.00190 | .00170 | .00070 | -.06000 | -.03000 |
| .897 | 1.940 | .05050 | .07980 | .04770 | .08150 | .04650 | -.00210 | .00120 | .00050 | -.06000 | -.03000 |
| .897 | 3.840 | .15790 | .07940 | .15220 | .08980 | .03960 | -.00150 | .00070 | .00030 | -.06000 | -.03000 |
| .897 | 5.840 | .26100 | .07680 | .25190 | .10300 | .03620 | -.00080 | -.00060 | -.00030 | -.06000 | -.03000 |
| .898 | 7.830 | .35730 | .07490 | .34380 | .12290 | .03530 | -.00180 | .00030 | -.00010 | -.06000 | -.03000 |
| .897 | 9.830 | .45430 | .07240 | .43530 | .14890 | .03460 | -.00230 | .00010 | .00010 | -.06000 | -.03000 |
| .898 | 11.930 | .55550 | .07290 | .52850 | .18620 | .03000 | -.00370 | .00020 | .00020 | -.06000 | -.03000 |
| .896 | 13.930 | .65190 | .07540 | .61450 | .23010 | .02260 | -.00570 | .00160 | .00010 | -.06000 | -.03000 |
| .897 | 15.900 | .75050 | .07720 | .70060 | .27990 | .01810 | -.00320 | .00250 | -.00110 | -.06000 | -.03000 |
| .897 | 17.910 | .86150 | .07870 | .79550 | .33980 | .01580 | -.00430 | .00180 | -.00150 | -.06000 | -.03000 |
| | GRADIENT | .05689 | -.00017 | .05543 | .00054 | -.00351 | .00005 | -.00022 | -.00007 | -.00000 | -.00000 |

RUN NO. 426/ 0 RN/L = 7.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.040 | -.18990 | .10480 | -.18600 | .11150 | .07500 | .00140 | .00160 | -.00010 | -.06000 | -.03000 |
| .948 | -.070 | -.06750 | .10600 | -.06730 | .10600 | .06280 | .00180 | .00140 | -.00020 | -.06000 | -.03000 |
| .948 | 1.970 | .06200 | .10550 | .05840 | .10760 | .04630 | .00140 | .00120 | -.00020 | -.06000 | -.03000 |
| .945 | 3.900 | .18410 | .10200 | .17670 | .11430 | .02900 | .00080 | .00100 | .00000 | -.06000 | -.03000 |
| .948 | 5.920 | .31020 | .10030 | .29820 | .13180 | .01150 | .00060 | .00050 | .00030 | -.06000 | -.03000 |
| .948 | 7.940 | .42460 | .09680 | .40720 | .15450 | .00080 | -.00010 | .00050 | .00120 | -.06000 | -.03000 |
| .948 | 9.900 | .53060 | .09430 | .50640 | .18420 | -.00470 | .00240 | -.00100 | .00100 | -.06000 | -.03000 |
| .946 | 11.860 | .62570 | .09190 | .59350 | .21850 | -.00490 | .00190 | .00030 | .00200 | -.06000 | -.03000 |
| .947 | 13.820 | .71220 | .09290 | .66940 | .26030 | -.00530 | .00050 | .00080 | .00290 | -.06000 | -.03000 |
| .946 | 15.850 | .83460 | .09520 | .77690 | .31950 | -.01900 | .00450 | -.00040 | .00320 | -.06000 | -.03000 |
| .950 | 17.920 | .96080 | .09800 | .88400 | .38890 | -.02440 | -.00250 | .00100 | .00050 | -.06000 | -.03000 |
| | GRADIENT | .06302 | -.00045 | .06112 | .00050 | -.00778 | -.00011 | -.00010 | .00001 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B211) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 423/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -2.110 | -.19580 | .14390 | -.19040 | .15100 | .08790 | .00130 | .00150 | -.00010 | -.06000 | -.03000 |
| 1.047 | -.040 | -.05770 | .14160 | -.05760 | .14170 | .06540 | .00180 | .00140 | -.00030 | -.06000 | -.03000 |
| 1.045 | 1.920 | .07250 | .14200 | .06770 | .14430 | .04360 | .00130 | .00130 | -.00020 | -.06000 | -.03000 |
| 1.046 | 3.880 | .20150 | .14230 | .19140 | .15560 | .01970 | .00080 | .00080 | -.00030 | -.06000 | -.03000 |
| 1.046 | 5.860 | .32170 | .13970 | .30570 | .17180 | .00030 | .00050 | .00050 | -.00020 | -.06000 | -.03000 |
| 1.048 | 7.950 | .44000 | .13680 | .41680 | .19630 | -.01220 | .00020 | .00050 | -.00020 | -.06000 | -.03000 |
| 1.044 | 9.950 | .55070 | .13410 | .51920 | .22720 | -.01980 | -.00050 | .00060 | -.00010 | -.06000 | -.03000 |
| 1.046 | 11.960 | .66390 | .13310 | .62190 | .26780 | -.02790 | .00200 | .00040 | -.00140 | -.06000 | -.03000 |
| 1.050 | 13.940 | .77020 | .13290 | .71540 | .31460 | -.03360 | .00030 | .00050 | -.00080 | -.06000 | -.03000 |
| 1.045 | 15.860 | .87130 | .13590 | .80100 | .36890 | -.03810 | -.00220 | .00050 | .00000 | -.06000 | -.03000 |
| 1.047 | 17.880 | 1.00160 | .13130 | .91290 | .43250 | -.05480 | -.00670 | .00300 | .00180 | -.06000 | -.03000 |
| | GRADIENT | .06634 | -.00023 | .06376 | .00079 | -.01136 | -.00010 | -.00011 | -.00003 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B212) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 432/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -2.040 | -.18140 | .08080 | -.17840 | .08720 | .05510 | -.09720 | .00030 | .01520 | -.06000 | -.03000 |
| .897 | -.070 | -.06630 | .08150 | -.06620 | .08160 | .04710 | -.09630 | -.00200 | .01510 | -.06000 | -.03000 |
| .897 | 1.950 | .04990 | .08080 | .04720 | .08240 | .03950 | -.09610 | -.00420 | .01510 | -.06000 | -.03000 |
| .895 | 3.840 | .15660 | .07810 | .15100 | .08840 | .03250 | -.09550 | -.00550 | .01440 | -.06000 | -.03000 |
| .896 | 5.840 | .26140 | .07600 | .25230 | .10220 | .03130 | -.09590 | -.00680 | .01350 | -.06000 | -.03000 |
| .897 | 7.850 | .35990 | .07430 | .34640 | .12270 | .03180 | -.09510 | -.00870 | .01190 | -.06000 | -.03000 |
| .895 | 9.860 | .46350 | .07310 | .44410 | .15140 | .02840 | -.09360 | -.00940 | .01100 | -.06000 | -.03000 |
| .897 | 11.980 | .56480 | .07470 | .53690 | .19030 | .02410 | -.09270 | -.01140 | .00910 | -.06000 | -.03000 |
| .896 | 14.000 | .65980 | .07470 | .62210 | .23200 | .01960 | -.09100 | -.00960 | .00590 | -.06000 | -.03000 |
| .896 | 16.020 | .76470 | .07560 | .71410 | .28380 | .01300 | -.08680 | -.00710 | .00000 | -.06000 | -.03000 |
| .897 | 18.020 | .86490 | .07420 | .79960 | .33800 | .01310 | -.08450 | -.00490 | -.00550 | -.06000 | -.03000 |
| | GRADIENT | .05749 | -.00044 | .05604 | .00021 | -.00384 | .00027 | -.00100 | -.00012 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R28212) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 427/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.050 | -.19930 | .10590 | -.19540 | .11300 | .07500 | -.08740 | -.00480 | .01260 | -.06000 | -.03000 |
| .947 | -.050 | -.07460 | .10820 | -.07450 | .10830 | .06200 | -.08730 | -.00800 | .01280 | -.06000 | -.03000 |
| .948 | 1.980 | .05460 | .10520 | .05090 | .10700 | .04510 | -.08710 | -.00940 | .01340 | -.06000 | -.03000 |
| .945 | 3.880 | .17490 | .10260 | .16760 | .11430 | .02910 | -.08810 | -.00920 | .01370 | -.06000 | -.03000 |
| .948 | 5.920 | .30110 | .10100 | .28900 | .13150 | .01350 | -.08910 | -.00870 | .01400 | -.06000 | -.03000 |
| .948 | 7.950 | .41840 | .09580 | .40120 | .15280 | .00350 | -.09080 | -.00970 | .01490 | -.06000 | -.03000 |
| .948 | 9.900 | .52980 | .09410 | .50570 | .18380 | -.00630 | -.08280 | -.01140 | .01230 | -.06000 | -.03000 |
| .947 | 11.880 | .62360 | .09120 | .59150 | .21770 | -.00630 | -.07860 | -.01320 | .00980 | -.06000 | -.03000 |
| .946 | 13.930 | .72540 | .09180 | .68200 | .26380 | -.01160 | -.07810 | -.01260 | .00900 | -.06000 | -.03000 |
| .946 | 16.000 | .84050 | .09380 | .78210 | .32180 | -.01970 | -.07160 | -.01400 | .00580 | -.06000 | -.03000 |
| .947 | 17.990 | .94710 | .09310 | .87200 | .38100 | -.02200 | -.06400 | -.01570 | .00310 | -.06000 | -.03000 |
| | GRADIENT | .06316 | -.00065 | .06127 | .00011 | -.00780 | -.00009 | -.00074 | .00020 | -.00000 | -.00000 |

RUN NO. 424/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.040 | -.19300 | .14710 | -.18770 | .15390 | .08420 | -.07810 | -.00480 | .00860 | -.06000 | -.03000 |
| 1.048 | -.030 | -.06110 | .14510 | -.06100 | .14510 | .06290 | -.07500 | -.00820 | .00770 | -.06000 | -.03000 |
| 1.046 | 1.880 | .06550 | .14550 | .06070 | .14760 | .04300 | -.07450 | -.00980 | .00750 | -.06000 | -.03000 |
| 1.046 | 3.870 | .19460 | .14580 | .18430 | .15860 | .02060 | -.07280 | -.00990 | .00740 | -.06000 | -.03000 |
| 1.047 | 5.850 | .31940 | .14440 | .30310 | .17620 | .00090 | -.07290 | -.00940 | .00660 | -.06000 | -.03000 |
| 1.046 | 7.930 | .43850 | .14360 | .41450 | .20270 | -.00970 | -.07750 | -.00970 | .00880 | -.06000 | -.03000 |
| 1.046 | 9.880 | .54670 | .13970 | .51460 | .23150 | -.01800 | -.07650 | -.01110 | .00870 | -.06000 | -.03000 |
| 1.047 | 11.970 | .66230 | .13680 | .61950 | .27120 | -.02600 | -.07380 | -.01170 | .00660 | -.06000 | -.03000 |
| 1.046 | 14.020 | .77590 | .13570 | .71990 | .31960 | -.03380 | -.07740 | -.01120 | .00660 | -.06000 | -.03000 |
| 1.046 | 15.990 | .88870 | .13370 | .81740 | .37340 | -.04160 | -.07930 | -.00930 | .00540 | -.06000 | -.03000 |
| 1.045 | 17.970 | .99430 | .13180 | .90510 | .43220 | -.04940 | -.07570 | -.00710 | .00140 | -.06000 | -.03000 |
| | GRADIENT | .06565 | -.00018 | .06302 | .00084 | -.01073 | .00084 | -.00086 | -.00019 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28213) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 433/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -6.320 | .22510 | .07740 | .21770 | .09640 | .02640 | .13650 | .00920 | -.01930 | -.06000 | -.03000 |
| .897 | -4.230 | .22040 | .07620 | .21310 | .09470 | .02940 | .09150 | .00690 | -.01310 | -.06000 | -.03000 |
| .896 | -3.180 | .21740 | .07580 | .21020 | .09410 | .03170 | .06770 | .00530 | -.00940 | -.06000 | -.03000 |
| .896 | -2.120 | .21670 | .07590 | .20940 | .09420 | .03400 | .04360 | .00370 | -.00570 | -.06000 | -.03000 |
| .897 | -1.080 | .21280 | .07690 | .20540 | .09480 | .03590 | .02060 | .00210 | -.00270 | -.06000 | -.03000 |
| .896 | -.010 | .21030 | .07710 | .20290 | .09480 | .03720 | -.00210 | -.00040 | -.00010 | -.06000 | -.03000 |
| .898 | 1.000 | .21330 | .07800 | .20590 | .09590 | .03570 | -.02430 | -.00180 | .00280 | -.06000 | -.03000 |
| .896 | 2.040 | .21170 | .07720 | .20440 | .09490 | .03500 | -.04760 | -.00290 | .00620 | -.06000 | -.03000 |
| .898 | 3.070 | .21150 | .07700 | .20420 | .09460 | .03350 | -.07070 | -.00450 | .00980 | -.06000 | -.03000 |
| .896 | 4.130 | .20890 | .07680 | .20160 | .09410 | .03140 | -.09500 | -.00620 | .01370 | -.06000 | -.03000 |
| .896 | 6.210 | .20680 | .07870 | .19950 | .09570 | .02710 | -.14310 | -.00810 | .02050 | -.06000 | -.03000 |
| .897 | 8.290 | .20800 | .08000 | .20060 | .09720 | .02890 | -.18630 | -.01110 | .02720 | -.06000 | -.03000 |
| | GRADIENT | -.00117 | .00016 | -.00118 | .00003 | .00025 | -.02218 | -.00158 | .00310 | .00000 | .00000 |

RUN NO. 428/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.310 | .24550 | .10500 | .23560 | .12570 | .02340 | .13360 | .01480 | -.02210 | -.06000 | -.03000 |
| .947 | -4.230 | .24650 | .10050 | .23710 | .12110 | .01950 | .08740 | .01000 | -.01390 | -.06000 | -.03000 |
| .947 | -3.180 | .24700 | .09990 | .23760 | .12070 | .01830 | .06300 | .00730 | -.00910 | -.06000 | -.03000 |
| .947 | -2.130 | .24730 | .10150 | .23770 | .12230 | .01930 | .04070 | .00520 | -.00550 | -.06000 | -.03000 |
| .947 | -1.080 | .24280 | .10080 | .23330 | .12120 | .02130 | .02040 | .00270 | -.00240 | -.06000 | -.03000 |
| .947 | -.010 | .24440 | .10210 | .23480 | .12260 | .02060 | .00020 | .00070 | .00010 | -.06000 | -.03000 |
| .948 | .990 | .24510 | .10170 | .23550 | .12230 | .01960 | -.02000 | -.00120 | .00250 | -.06000 | -.03000 |
| .947 | 2.020 | .24490 | .10160 | .23530 | .12220 | .01850 | -.04070 | -.00330 | .00570 | -.06000 | -.03000 |
| .947 | 3.070 | .24190 | .10100 | .23250 | .12120 | .01980 | -.06310 | -.00570 | .00930 | -.06000 | -.03000 |
| .948 | 4.110 | .23730 | .10340 | .22770 | .12310 | .02120 | -.08630 | -.00870 | .01340 | -.06000 | -.03000 |
| .948 | 6.200 | .22810 | .10450 | .21850 | .12340 | .02320 | -.13660 | -.01250 | .02150 | -.06000 | -.03000 |
| .948 | 8.280 | .22410 | .10730 | .21430 | .12580 | .03010 | -.17790 | -.01640 | .02720 | -.06000 | -.03000 |
| | GRADIENT | .00087 | .00026 | -.00089 | .00017 | .00019 | -.02043 | -.00216 | .00307 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28213) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 425/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -6.350 | .27110 | .14730 | .25750 | .17010 | .00790 | .11580 | .01590 | -.01390 | -.06000 | -.03000 |
| 1.046 | -4.240 | .26820 | .14350 | .25490 | .16600 | .00730 | .07340 | .01040 | -.00730 | -.06000 | -.03000 |
| 1.047 | -3.180 | .26660 | .14260 | .25330 | .16500 | .00780 | .05350 | .00800 | -.00510 | -.06000 | -.03000 |
| 1.047 | -2.130 | .26600 | .14180 | .25270 | .16430 | .00820 | .03520 | .00570 | -.00310 | -.06000 | -.03000 |
| 1.046 | -1.090 | .26310 | .14060 | .25000 | .16290 | .00970 | .01790 | .00320 | -.00160 | -.06000 | -.03000 |
| 1.047 | -.010 | .26260 | .14110 | .24960 | .16300 | .00940 | .00000 | .00050 | -.00020 | -.06000 | -.03000 |
| 1.048 | .990 | .26370 | .14160 | .25050 | .16380 | .00890 | -.01670 | -.00160 | .00110 | -.06000 | -.03000 |
| 1.046 | 2.080 | .26390 | .14260 | .25080 | .16470 | .00890 | -.03460 | -.00390 | .00270 | -.06000 | -.03000 |
| 1.046 | 3.100 | .26310 | .14360 | .24990 | .16560 | .00930 | -.05230 | -.00670 | .00450 | -.06000 | -.03000 |
| 1.046 | 4.160 | .25980 | .14530 | .24650 | .16690 | .00970 | -.07200 | -.00960 | .00690 | -.06000 | -.03000 |
| 1.046 | 6.210 | .25990 | .14930 | .24620 | .17090 | .00840 | -.11770 | -.01430 | .01420 | -.06000 | -.03000 |
| 1.046 | 8.350 | .26110 | .15090 | .24720 | .17270 | .01460 | -.16570 | -.01980 | .02270 | -.06000 | -.03000 |
| | GRADIENT | -.00076 | .00020 | -.00075 | .00011 | .00023 | -.01705 | -.00235 | .00159 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B214) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 429/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.230 | .80020 | .09570 | .74870 | .29840 | -.01770 | .11000 | .02070 | -.01230 | -.06000 | -.03000 |
| .948 | -4.160 | .79590 | .09500 | .74470 | .29660 | -.02000 | .07000 | .01480 | -.00910 | -.06000 | -.03000 |
| .948 | -3.110 | .79670 | .09510 | .74550 | .29660 | -.02130 | .04810 | .01170 | -.00730 | -.06000 | -.03000 |
| .946 | -2.070 | .78650 | .09450 | .73580 | .29340 | -.01760 | .02910 | .00810 | -.00540 | -.06000 | -.03000 |
| .943 | -1.030 | .78480 | .09550 | .73410 | .29360 | -.01850 | .01140 | .00500 | -.00440 | -.06000 | -.03000 |
| .946 | .020 | .78860 | .09650 | .73750 | .29540 | -.01980 | -.00560 | .00240 | -.00410 | -.06000 | -.03000 |
| .948 | 1.070 | .78210 | .09580 | .73120 | .29340 | -.01840 | -.02250 | -.00020 | -.00400 | -.06000 | -.03000 |
| .947 | 2.070 | .77380 | .09450 | .72390 | .28920 | -.01360 | -.04410 | -.00240 | -.00190 | -.06000 | -.03000 |
| .948 | 3.080 | .79080 | .09610 | .73970 | .29580 | -.02120 | -.05330 | -.00940 | .00630 | -.06000 | -.03000 |
| .948 | 4.180 | .78930 | .09490 | .73840 | .29470 | -.02070 | -.07460 | -.01340 | .00800 | -.06000 | -.03000 |
| .948 | 6.260 | .78220 | .09380 | .73180 | .29150 | -.01740 | -.11750 | -.01890 | .01080 | -.06000 | -.03000 |
| .947 | 8.370 | .78860 | .09270 | .73810 | .29260 | -.01090 | -.15410 | -.02360 | .01160 | -.06000 | -.03000 |
| | GRADIENT | -.00116 | .00005 | -.00111 | -.00030 | .00009 | -.01706 | -.00325 | .00187 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B215) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 430/ 0 RN/L = 7.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -6.230 | .78840 | .09290 | .73800 | .29230 | -.01320 | .10980 | .02070 | -.01230 | -.06000 | -.03000 |
| .948 | -4.230 | .79270 | .09400 | .74200 | .29450 | -.01850 | .07790 | .01170 | -.00050 | -.06000 | -.03000 |
| .947 | -3.180 | .78850 | .09370 | .73800 | .29310 | -.01840 | .05690 | .00920 | .00070 | -.06000 | -.03000 |
| .947 | -2.130 | .78500 | .09430 | .73550 | .29300 | -.01740 | .03810 | .00600 | .00190 | -.06000 | -.03000 |
| .948 | -1.090 | .79020 | .09620 | .73880 | .29630 | -.02000 | .02060 | .00280 | .00270 | -.06000 | -.03000 |
| .946 | -.010 | .78290 | .09530 | .73180 | .29390 | -.01730 | .00410 | .00010 | .00250 | -.06000 | -.03000 |
| .949 | 1.040 | .78630 | .09570 | .73490 | .29540 | -.01940 | -.01370 | -.00270 | .00310 | -.06000 | -.03000 |
| .949 | 2.140 | .78890 | .09620 | .73730 | .29670 | -.02080 | -.03320 | -.00570 | .00450 | -.06000 | -.03000 |
| .948 | 3.200 | .78320 | .09460 | .73230 | .29330 | -.01740 | -.05690 | -.00870 | .00700 | -.06000 | -.03000 |
| .947 | 4.260 | .79660 | .09590 | .74490 | .29810 | -.02250 | -.07520 | -.01350 | .00830 | -.06000 | -.03000 |
| .948 | 6.370 | .78560 | .09430 | .73490 | .29320 | -.01820 | -.11870 | -.01910 | .01090 | -.06000 | -.03000 |
| .948 | 8.420 | .79210 | .09320 | .74130 | .29400 | -.01160 | -.15370 | -.02360 | .01160 | -.06000 | -.03000 |
| | GRADIENT | .00003 | .00021 | -.00009 | .00034 | -.00030 | -.01773 | -.00288 | .00094 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B216) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 451/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -2.010 | -.14490 | .06280 | -.14260 | .06780 | .03600 | -.00860 | -.00080 | .00480 | -.06000 | -.03000 |
| .597 | -.080 | -.05640 | .06390 | -.05630 | .06400 | .03480 | -.00940 | -.00080 | .00460 | -.06000 | -.03000 |
| .596 | 1.970 | .04080 | .06070 | .03870 | .06210 | .03490 | -.00910 | -.00090 | .00460 | -.06000 | -.03000 |
| .596 | 3.950 | .13430 | .05450 | .13020 | .06360 | .03410 | -.01010 | -.00100 | .00420 | -.06000 | -.03000 |
| .596 | 5.930 | .23030 | .04510 | .22440 | .06860 | .03240 | -.01000 | -.00100 | .00410 | -.06000 | -.03000 |
| .596 | 7.940 | .33390 | .03270 | .32620 | .07850 | .02940 | -.01080 | -.00100 | .00400 | -.06000 | -.03000 |
| .597 | 9.920 | .44010 | .01890 | .43020 | .09440 | .02720 | -.01130 | -.00120 | .00390 | -.06000 | -.03000 |
| .596 | 11.950 | .54560 | .00520 | .53270 | .11810 | .02900 | -.01130 | -.00140 | .00400 | -.06000 | -.03000 |
| .597 | 13.930 | .65740 | .00250 | .63750 | .16070 | .02440 | -.01580 | .00060 | .00600 | -.06000 | -.03000 |
| .597 | 15.930 | .76810 | .00630 | .73680 | .21690 | .01930 | -.01060 | .00010 | .00370 | -.06000 | -.03000 |
| .596 | 17.960 | .89250 | .01190 | .84530 | .28650 | .00700 | -.01200 | .00110 | .00370 | -.06000 | -.03000 |
| | GRADIENT | .04691 | -.00141 | .04583 | -.00072 | -.00028 | -.00021 | -.00004 | -.00009 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R28216) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 437/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -1.950 | -.14270 | .15330 | -.13740 | .15810 | .06680 | -.00580 | -.00100 | .00430 | -.06000 | -.03000 |
| 1.198 | -.020 | -.01940 | .15310 | -.01930 | .15310 | .03780 | -.00590 | -.00100 | .00390 | -.06000 | -.03000 |
| 1.199 | 2.030 | .10650 | .15130 | .10100 | .15500 | .01120 | -.00630 | -.00120 | .00350 | -.06000 | -.03000 |
| 1.197 | 4.080 | .22660 | .14960 | .21540 | .16530 | -.01060 | -.00620 | -.00130 | .00340 | -.06000 | -.03000 |
| 1.197 | 5.940 | .33600 | .14720 | .31890 | .18120 | -.02840 | -.00600 | -.00140 | .00330 | -.06000 | -.03000 |
| 1.198 | 8.030 | .45020 | .14350 | .42580 | .20500 | -.04170 | -.00620 | -.00170 | .00320 | -.06000 | -.03000 |
| 1.198 | 9.830 | .54370 | .13860 | .51200 | .22940 | -.04650 | -.00660 | -.00110 | .00300 | -.06000 | -.03000 |
| 1.198 | 11.970 | .66350 | .13490 | .62110 | .26960 | -.05490 | -.00450 | -.00190 | .00230 | -.06000 | -.03000 |
| 1.197 | 14.020 | .77820 | .13600 | .72210 | .32050 | -.06470 | -.00560 | -.00190 | .00260 | -.06000 | -.03000 |
| 1.199 | 15.960 | .88270 | .13830 | .81060 | .37560 | -.07350 | -.00730 | -.00160 | .00330 | -.06000 | -.03000 |
| 1.196 | 17.900 | .98790 | .13800 | .89760 | .43490 | -.08150 | -.00800 | -.00160 | .00320 | -.06000 | -.03000 |
| | GRADIENT | .06125 | -.00064 | .05851 | .00119 | -.01284 | -.00008 | -.00005 | -.00015 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R28217) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 453/ 0 RN/L = 7.08 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -2.040 | -.14510 | .06160 | -.14280 | .06680 | .03110 | -.08660 | -.00360 | .01240 | -.06000 | -.03000 |
| .598 | -.050 | -.05340 | .06320 | -.05330 | .06320 | .03010 | -.08750 | -.00500 | .01240 | -.06000 | -.03000 |
| .597 | 2.050 | .04440 | .06080 | .04220 | .06240 | .02970 | -.08790 | -.00630 | .01230 | -.06000 | -.03000 |
| .598 | 3.940 | .13550 | .05530 | .13140 | .06450 | .02910 | -.08800 | -.00740 | .01230 | -.06000 | -.03000 |
| .597 | 5.920 | .23440 | .04640 | .22830 | .07030 | .02690 | -.08800 | -.00860 | .01250 | -.06000 | -.03000 |
| .598 | 8.040 | .34530 | .03330 | .33720 | .08130 | .02430 | -.08860 | -.01030 | .01280 | -.06000 | -.03000 |
| .597 | 10.000 | .44850 | .01890 | .43840 | .09650 | .02340 | -.08780 | -.01310 | .01260 | -.06000 | -.03000 |
| .597 | 12.020 | .55800 | .00490 | .54470 | .12100 | .02230 | -.08730 | -.01500 | .01250 | -.06000 | -.03000 |
| .598 | 14.030 | .67030 | .00440 | .64920 | .16680 | .01570 | -.09060 | -.01060 | .01380 | -.06000 | -.03000 |
| .598 | 15.970 | .77570 | .00620 | .74410 | .21940 | .01160 | -.08940 | -.00970 | .01340 | -.06000 | -.03000 |
| .598 | 18.020 | .89060 | .00830 | .84430 | .28330 | .00740 | -.09260 | -.00900 | .01360 | -.06000 | -.03000 |
| | GRADIENT | .04688 | -.00105 | .04581 | -.00039 | -.00032 | -.00023 | -.00063 | -.00002 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B217) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 438/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.950 | -.14590 | .15700 | -.14050 | .16180 | .06580 | -.09210 | -.00800 | .01130 | -.06000 | -.03000 |
| 1.198 | .000 | -.02390 | .15590 | -.02390 | .15590 | .03810 | -.08090 | -.00860 | .01050 | -.06000 | -.03000 |
| 1.199 | 1.980 | .09690 | .15380 | .09150 | .15700 | .01320 | -.07750 | -.00910 | .00950 | -.06000 | -.03000 |
| 1.199 | 3.970 | .21560 | .15170 | .20450 | .16630 | -.00880 | -.07520 | -.00960 | .00810 | -.06000 | -.03000 |
| 1.197 | 5.960 | .33270 | .15040 | .31530 | .18410 | -.02700 | -.07220 | -.01010 | .00660 | -.06000 | -.03000 |
| 1.199 | 7.920 | .44090 | .14750 | .41640 | .20680 | -.03820 | -.07480 | -.00990 | .00750 | -.06000 | -.03000 |
| 1.197 | 9.880 | .55150 | .14340 | .51870 | .23600 | -.04750 | -.07210 | -.01220 | .00620 | -.06000 | -.03000 |
| 1.198 | 11.940 | .66070 | .14050 | .61730 | .27410 | -.05440 | -.07430 | -.01050 | .00590 | -.06000 | -.03000 |
| 1.196 | 14.010 | .78250 | .13930 | .72550 | .32450 | -.06820 | -.07510 | -.00790 | .00490 | -.06000 | -.03000 |
| 1.198 | 15.990 | .88770 | .13930 | .81500 | .37840 | -.07590 | -.07490 | -.00750 | .00220 | -.06000 | -.03000 |
| 1.196 | 17.950 | .98270 | .13710 | .89250 | .43340 | -.07830 | -.07220 | -.00830 | -.00090 | -.06000 | -.03000 |
| | GRADIENT | .06106 | -.00091 | .05827 | .00075 | -.01260 | .00122 | -.00027 | -.00054 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B218) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 452/ 0 RN/L = 7.06 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -6.080 | .45920 | .01730 | .44930 | .09650 | .02010 | .10010 | .01480 | -.00850 | -.06000 | -.03000 |
| .597 | -4.060 | .45210 | .01760 | .44230 | .09550 | .02350 | .06130 | .00930 | -.00320 | -.06000 | -.03000 |
| .597 | -3.030 | .44770 | .01850 | .43780 | .09540 | .02490 | .04150 | .00660 | -.00080 | -.06000 | -.03000 |
| .597 | -2.000 | .44510 | .01900 | .43520 | .09510 | .02700 | .02330 | .00420 | .00110 | -.06000 | -.03000 |
| .597 | -.990 | .44190 | .01940 | .43200 | .09500 | .02700 | .00580 | .00140 | .00260 | -.06000 | -.03000 |
| .597 | -.020 | .43990 | .01950 | .43010 | .09440 | .02680 | -.01090 | -.00110 | .00410 | -.06000 | -.03000 |
| .596 | .970 | .44260 | .01940 | .43260 | .09540 | .02650 | -.02810 | -.00360 | .00590 | -.06000 | -.03000 |
| .597 | 2.020 | .44570 | .01940 | .43560 | .09620 | .02570 | -.04660 | -.00620 | .00770 | -.06000 | -.03000 |
| .596 | 3.040 | .44510 | .01960 | .43500 | .09640 | .02470 | -.06630 | -.00930 | .00990 | -.06000 | -.03000 |
| .597 | 4.060 | .44260 | .01960 | .43250 | .09590 | .02380 | -.08550 | -.01250 | .01250 | -.06000 | -.03000 |
| .598 | 6.130 | .44110 | .02060 | .43080 | .09660 | .01990 | -.12800 | -.01670 | .01700 | -.06000 | -.03000 |
| .596 | 8.230 | .45290 | .01930 | .44270 | .09750 | .01980 | -.16920 | -.02130 | .02250 | -.06000 | -.03000 |
| | GRADIENT | -.00072 | .00020 | -.00076 | .00012 | -.00004 | -.01787 | -.00265 | .00184 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B218) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 439/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -6.190 | .56090 | .14130 | .52810 | .23620 | -.04860 | .09250 | .01130 | -.00280 | -.06000 | -.03000 |
| 1.197 | -4.150 | .56290 | .14060 | .53010 | .23580 | -.05030 | .05870 | .00770 | -.00030 | -.06000 | -.03000 |
| 1.198 | -3.120 | .56150 | .13980 | .52890 | .23460 | -.04990 | .04100 | .00570 | .00070 | -.06000 | -.03000 |
| 1.198 | -2.070 | .55620 | .13850 | .52400 | .23220 | -.04860 | .02450 | .00370 | .00170 | -.06000 | -.03000 |
| 1.197 | -1.030 | .55230 | .13820 | .52020 | .23120 | -.04770 | .00850 | .00110 | .00240 | -.06000 | -.03000 |
| 1.198 | -.020 | .54520 | .13770 | .51350 | .22940 | -.04610 | -.00660 | -.00120 | .00320 | -.06000 | -.03000 |
| 1.197 | .990 | .54820 | .13860 | .51610 | .23100 | -.04620 | -.02090 | -.00380 | .00360 | -.06000 | -.03000 |
| 1.197 | 2.080 | .55440 | .14020 | .52180 | .23400 | -.04850 | -.03720 | -.00690 | .00420 | -.06000 | -.03000 |
| 1.199 | 3.130 | .55460 | .14130 | .52170 | .23520 | -.04800 | -.05280 | -.01010 | .00480 | -.06000 | -.03000 |
| 1.196 | 4.190 | .55250 | .14310 | .51950 | .23650 | -.04740 | -.07040 | -.01210 | .00620 | -.06000 | -.03000 |
| 1.197 | 6.290 | .55190 | .14580 | .51840 | .23890 | -.04760 | -.10910 | -.01580 | .00880 | -.06000 | -.03000 |
| 1.198 | 8.390 | .55240 | .14620 | .51870 | .23960 | -.04370 | -.14620 | -.02010 | .01180 | -.06000 | -.03000 |
| | GRADIENT | -.00111 | .00030 | -.00115 | .00013 | .00030 | -.01523 | -.00245 | .00071 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B219) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 448/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -2.030 | -.16380 | .08010 | -.16090 | .08590 | .04910 | -.01130 | -.00090 | .00590 | -.06000 | -.03000 |
| .898 | -.070 | -.04800 | .08040 | -.04790 | .08050 | .04090 | -.01150 | -.00120 | .00570 | -.06000 | -.03000 |
| .899 | 2.000 | .06920 | .07950 | .06630 | .08180 | .03420 | -.01060 | -.00170 | .00530 | -.06000 | -.03000 |
| .899 | 3.910 | .17720 | .07820 | .17140 | .09010 | .02690 | -.01090 | -.00190 | .00500 | -.06000 | -.03000 |
| .899 | 5.980 | .28230 | .07680 | .27280 | .10580 | .02450 | -.01070 | -.00230 | .00430 | -.06000 | -.03000 |
| .900 | 8.030 | .38440 | .07520 | .37020 | .12810 | .02140 | -.01090 | -.00210 | .00420 | -.06000 | -.03000 |
| .900 | 9.920 | .47590 | .07270 | .45630 | .15370 | .02060 | -.01170 | -.00290 | .00450 | -.06000 | -.03000 |
| .901 | 11.910 | .57030 | .07390 | .54280 | .19010 | .01700 | -.01290 | -.00290 | .00450 | -.06000 | -.03000 |
| .900 | 13.950 | .66590 | .07420 | .62840 | .23260 | .00980 | -.01370 | -.00060 | .00440 | -.06000 | -.03000 |
| .898 | 16.000 | .78140 | .07810 | .72960 | .29050 | .00030 | -.01370 | -.00070 | .00380 | -.06000 | -.03000 |
| .900 | 17.950 | .88090 | .07860 | .81380 | .34630 | -.00260 | -.01480 | -.00090 | .00300 | -.06000 | -.03000 |
| | GRADIENT | .05733 | -.00033 | .05586 | .00069 | -.00368 | .00011 | -.00018 | -.00016 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B219) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 443/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -2.030 | -.17450 | .10070 | -.17080 | .10680 | .06060 | -.00940 | -.00210 | .00530 | -.06000 | -.03000 |
| .947 | -.050 | -.05170 | .10180 | -.05160 | .10180 | .04830 | -.00880 | -.00200 | .00510 | -.06000 | -.03000 |
| .948 | 1.980 | .07530 | .10090 | .07170 | .10340 | .03280 | -.00840 | -.00210 | .00460 | -.06000 | -.03000 |
| .947 | 4.010 | .20270 | .10000 | .19520 | .11390 | .01610 | -.00880 | -.00220 | .00460 | -.06000 | -.03000 |
| .947 | 6.000 | .32490 | .09700 | .31300 | .13040 | .00060 | -.00860 | -.00270 | .00470 | -.06000 | -.03000 |
| .949 | 8.000 | .43580 | .09300 | .41860 | .15270 | -.00870 | -.00900 | -.00220 | .00480 | -.06000 | -.03000 |
| .948 | 9.950 | .54130 | .09050 | .51750 | .18260 | -.01500 | -.00900 | -.00310 | .00360 | -.06000 | -.03000 |
| .948 | 11.930 | .64450 | .09180 | .61160 | .22310 | -.02040 | -.00660 | -.00380 | .00720 | -.06000 | -.03000 |
| .946 | 13.940 | .72710 | .09120 | .68370 | .26370 | -.01680 | -.00820 | -.00180 | .00740 | -.06000 | -.03000 |
| .947 | 17.940 | .95530 | .09280 | .88030 | .38250 | -.03170 | -.00450 | -.00380 | .00950 | -.06000 | -.03000 |
| | GRADIENT | .06246 | -.00015 | .06061 | .00115 | -.00740 | .00011 | -.00002 | -.00013 | -.00000 | -.00000 |

RUN NO. 440/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.050 | -.18420 | .14250 | -.17900 | .14900 | .07960 | -.00860 | -.00180 | .00500 | -.06000 | -.03000 |
| 1.047 | -.040 | -.05030 | .14080 | -.05020 | .14090 | .05790 | -.00780 | -.00180 | .00480 | -.06000 | -.03000 |
| 1.048 | 2.060 | .08950 | .14120 | .08440 | .14430 | .03360 | -.00760 | -.00190 | .00470 | -.06000 | -.03000 |
| 1.048 | 3.990 | .21710 | .14170 | .20670 | .15650 | .00960 | -.00790 | -.00210 | .00440 | -.06000 | -.03000 |
| 1.046 | 5.990 | .33990 | .14000 | .32340 | .17460 | -.00970 | -.00790 | -.00250 | .00430 | -.06000 | -.03000 |
| 1.048 | 7.980 | .45070 | .13640 | .42730 | .19770 | -.02160 | -.00840 | -.00190 | .00440 | -.06000 | -.03000 |
| 1.047 | 9.850 | .55560 | .13360 | .52450 | .22670 | -.02990 | -.00910 | -.00240 | .00440 | -.06000 | -.03000 |
| 1.047 | 11.880 | .66790 | .13280 | .62630 | .26750 | -.03710 | -.00530 | -.00270 | .00310 | -.06000 | -.03000 |
| 1.047 | 13.960 | .78100 | .13370 | .72580 | .31810 | -.04360 | -.00820 | -.00200 | .00400 | -.06000 | -.03000 |
| 1.049 | 17.980 | 1.02190 | .13160 | .93130 | .44060 | -.06880 | -.01500 | .00120 | .00600 | -.06000 | -.03000 |
| | GRADIENT | .06646 | -.00010 | .06388 | .00126 | -.01158 | .00011 | -.00005 | -.00009 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R2B220) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 674.8000 IN. YMRP = .0000 IN. YO
BREF = 536.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 449/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -2.040 | -.16680 | .08000 | -.16380 | .08590 | .04320 | -.10700 | -.00300 | .02040 | -.06000 | -.03000 |
| .901 | -.070 | -.05250 | .08280 | -.05240 | .08290 | .03510 | -.10660 | -.00520 | .02050 | -.06000 | -.03000 |
| .900 | 1.980 | .06560 | .08110 | .06300 | .08330 | .02750 | -.10560 | -.00720 | .02000 | -.06000 | -.03000 |
| .901 | 3.960 | .17970 | .08000 | .17380 | .09230 | .01940 | -.10580 | -.00850 | .01950 | -.06000 | -.03000 |
| .899 | 6.000 | .28590 | .07660 | .27640 | .10610 | .01730 | -.10430 | -.01040 | .01750 | -.06000 | -.03000 |
| .901 | 7.990 | .38480 | .07480 | .37070 | .12760 | .01740 | -.10360 | -.01110 | .01630 | -.06000 | -.03000 |
| .899 | 9.940 | .47450 | .07260 | .45490 | .15340 | .01730 | -.10100 | -.01320 | .01500 | -.06000 | -.03000 |
| .900 | 12.020 | .58320 | .07510 | .55480 | .19500 | .01170 | -.10100 | -.01430 | .01300 | -.06000 | -.03000 |
| .899 | 13.980 | .67870 | .07590 | .64030 | .23770 | .00400 | -.09990 | -.01210 | .01020 | -.06000 | -.03000 |
| .900 | 16.020 | .78480 | .07670 | .73310 | .29040 | -.00210 | -.09690 | -.01010 | .00420 | -.06000 | -.03000 |
| .902 | 18.010 | .88500 | .07470 | .81860 | .34460 | -.00490 | -.09390 | -.00900 | -.00120 | -.06000 | -.03000 |
| | GRADIENT | .05775 | -.00009 | .05627 | .00098 | -.00394 | .00023 | -.00092 | -.00016 | -.00000 | -.00000 |

RUN NO. 444/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -2.050 | -.18950 | .10660 | -.18550 | .11330 | .06600 | -.09680 | -.00810 | .01700 | -.06000 | -.03000 |
| .947 | -.050 | -.06110 | .10410 | -.06100 | .10410 | .04850 | -.09830 | -.01090 | .01840 | -.06000 | -.03000 |
| .948 | 2.000 | .06740 | .10350 | .06370 | .10570 | .03270 | -.09710 | -.01250 | .0 830 | -.06000 | -.03000 |
| .948 | 3.920 | .18930 | .10240 | .18190 | .11510 | .01720 | -.09620 | -.01230 | .01810 | -.06000 | -.03000 |
| .948 | 5.930 | .31360 | .09870 | .30170 | .13060 | .00230 | -.09770 | -.01160 | .01870 | -.06000 | -.03000 |
| .949 | 7.970 | .43460 | .09560 | .41710 | .15490 | -.01010 | -.09550 | -.01290 | .01830 | -.06000 | -.03000 |
| .948 | 9.940 | .53880 | .09170 | .51490 | .18330 | -.01450 | -.09060 | -.01510 | .01610 | -.06000 | -.03000 |
| .948 | 11.970 | .65290 | .09240 | .61960 | .22580 | -.02380 | -.08700 | -.01650 | .01490 | -.06000 | -.03000 |
| .949 | 14.020 | .74990 | .09260 | .70510 | .27160 | -.02590 | -.08720 | -.01580 | .01420 | -.06000 | -.03000 |
| .947 | 16.000 | .85230 | .09420 | .79330 | .32550 | -.02910 | -.08420 | -.01650 | .01230 | -.06000 | -.03000 |
| .949 | 18.020 | .96400 | .09390 | .88770 | .[illegible]760 | -.03640 | -.07310 | -.01840 | .00780 | -.06000 | -.03000 |
| | GRADIENT | .06337 | -.00066 | .06147 | .00033 | -.00813 | .00015 | -.00071 | .00016 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R28220) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 441/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -2.040 | -.18460 | .14590 | -.17930 | .15230 | .07660 | -.08620 | -.00760 | .01310 | -.06000 | -.03000 |
| 1.048 | -.030 | -.05230 | .14490 | -.05230 | .14490 | .05470 | -.08400 | -.01110 | .01250 | -.06000 | -.03000 |
| 1.048 | 1.990 | .08120 | .14540 | .07610 | .14810 | .03320 | -.08180 | -.01250 | .01210 | -.06000 | -.03000 |
| 1.048 | 3.920 | .20770 | .14590 | .19730 | .15980 | .01090 | -.08110 | -.01260 | .01140 | -.06000 | -.03000 |
| 1.048 | 5.950 | .33500 | .14640 | .31800 | .18040 | -.00810 | -.08150 | -.01240 | .01190 | -.06000 | -.03000 |
| 1.049 | 7.970 | .45090 | .14480 | .42650 | .20590 | -.01950 | -.08510 | -.01220 | .01340 | -.06000 | -.03000 |
| 1.047 | 9.870 | .55650 | .14170 | .52400 | .23500 | -.02760 | -.08510 | -.01390 | .01330 | -.06000 | -.03000 |
| 1.047 | 11.930 | .67110 | .13790 | .62810 | .27360 | -.03590 | -.08260 | -.01470 | .01120 | -.06000 | -.03000 |
| 1.048 | 14.030 | .78870 | .13600 | .73210 | .32310 | -.04440 | -.08450 | -.01370 | .01060 | -.06000 | -.03000 |
| 1.046 | 16.130 | .90150 | .13520 | .82850 | .38020 | -.05090 | -.08730 | -.01260 | .00970 | -.06000 | -.03000 |
| 1.048 | 17.980 | 1.00480 | .13270 | .91480 | .43640 | -.06010 | -.08390 | -.00990 | .00560 | -.06000 | -.03000 |
| | GRADIENT | .06585 | .00002 | .06323 | .00127 | -.01098 | .00088 | -.00083 | -.00028 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28221) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 450/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .902 | -6.320 | .24500 | .07600 | .23730 | .09740 | .01530 | .12810 | .00650 | -.01540 | -.06000 | -.03000 |
| .900 | -4.240 | .24070 | .07520 | .23320 | .09610 | .01860 | .08420 | .00330 | -.00890 | -.06000 | -.03000 |
| .900 | -3.180 | .24120 | .07590 | .23360 | .09680 | .02020 | .06050 | .00140 | -.00530 | -.06000 | -.03000 |
| .900 | -2.130 | .23680 | .07590 | .22920 | .09650 | .02400 | .03600 | .00020 | -.00150 | -.06000 | -.03000 |
| .900 | -1.080 | .23430 | .07730 | .22660 | .09770 | .02510 | .01270 | -.00120 | .00160 | -.06000 | -.03000 |
| .901 | -.030 | .23360 | .07760 | .22590 | .09800 | .02600 | -.01100 | -.00240 | .00460 | -.06000 | -.03000 |
| .899 | .990 | .23420 | .07770 | .22640 | .09810 | .02550 | -.03410 | -.00370 | .00770 | -.06000 | -.03000 |
| .901 | 2.020 | .23500 | .07720 | .22720 | .09770 | .02330 | -.05760 | -.00520 | .01120 | -.06000 | -.03000 |
| .900 | 3.090 | .23720 | .07810 | .22950 | .09860 | .02090 | -.08110 | -.00720 | .01490 | -.06000 | -.03000 |
| .899 | 4.120 | .23730 | .07830 | .22950 | .09880 | .01780 | -.10430 | -.00950 | .01860 | -.06000 | -.03000 |
| .901 | 6.200 | .23270 | .07970 | .22490 | .09960 | .01420 | -.15140 | -.01160 | .02500 | -.06000 | -.03000 |
| .899 | 8.330 | .23230 | .08070 | .22440 | .10060 | .01750 | -.19240 | -.01370 | .03050 | -.06000 | -.03000 |
| | GRADIENT | -.00047 | .00035 | -.00050 | .00030 | -.00003 | -.02256 | -.00144 | .00323 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B221) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 445/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.310 | .26350 | .09950 | .25370 | .12220 | .01140 | .12340 | .01130 | -.01700 | -.06000 | -.03000 |
| .947 | -4.230 | .26240 | .09480 | .25310 | .11730 | .00710 | .07890 | .00620 | -.00930 | -.06000 | -.03000 |
| .950 | -3.180 | .26500 | .09730 | .25550 | .12000 | .00580 | .05370 | .00440 | -.00440 | -.06000 | -.03000 |
| .949 | -2.130 | .26480 | .09700 | .25540 | .11980 | .00750 | .03200 | .00190 | -.00100 | -.06000 | -.03000 |
| .947 | -1.080 | .26160 | .09830 | .25200 | .12080 | .00870 | .01170 | -.00020 | .00190 | -.06000 | -.03000 |
| .950 | -.030 | .26210 | .09850 | .25240 | .12110 | .00850 | -.00930 | -.00260 | .00470 | -.06000 | -.03000 |
| .947 | 1.000 | .26510 | .09990 | .25540 | .12270 | .00670 | -.02980 | -.00470 | .00750 | -.06000 | -.03000 |
| .951 | 2.010 | .26450 | .09930 | .25480 | .12220 | .00540 | -.05090 | -.00690 | .01060 | -.06000 | -.03000 |
| .949 | 3.050 | .26330 | .10100 | .25350 | .12370 | .00620 | -.07170 | -.00930 | .01370 | -.06000 | -.03000 |
| .948 | 4.120 | .25320 | .09940 | .24360 | .12100 | .00940 | -.09770 | -.01140 | .01880 | -.06000 | -.03000 |
| .949 | 6.220 | .24810 | .10500 | .23810 | .12610 | .01240 | -.14490 | -.01520 | .02610 | -.06000 | -.03000 |
| .950 | 8.310 | .24400 | .10670 | .23380 | .12750 | .02000 | -.18570 | -.01890 | .03100 | -.06000 | -.03000 |
| | GRADIENT | -.00063 | .00057 | -.00067 | .00052 | .00007 | -.02066 | -.00214 | .00313 | .00000 | .00000 |

RUN NO. 442/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -6.330 | .28990 | .14480 | .27610 | .16970 | -.00440 | .10430 | .01330 | -.00850 | -.06000 | -.03000 |
| 1.046 | -4.250 | .28290 | .14210 | .26950 | .16610 | -.00350 | .06410 | .00770 | -.00260 | -.06000 | -.03000 |
| 1.045 | -3.190 | .28180 | .14170 | .26840 | .16560 | -.00290 | .04420 | .00520 | -.00030 | -.06000 | -.03000 |
| 1.048 | -2.140 | .27990 | .14080 | .26660 | .16460 | -.00170 | .02670 | .00290 | .00170 | -.06000 | -.03000 |
| 1.047 | -1.090 | .27770 | .14050 | .26450 | .16390 | -.00060 | .00890 | .00040 | .00300 | -.06000 | -.03000 |
| 1.047 | -.020 | .27700 | .14150 | .26370 | .16500 | -.00040 | -.00820 | -.00220 | .00450 | -.06000 | -.03000 |
| 1.046 | 1.000 | .27740 | .14210 | .26400 | .16570 | -.00010 | -.02570 | -.00450 | .00580 | -.06000 | -.03000 |
| 1.048 | 2.080 | .27780 | .14320 | .26440 | .16660 | -.00090 | -.04320 | -.00690 | .00740 | -.06000 | -.03000 |
| 1.046 | 3.070 | .27730 | .14430 | .26370 | .16780 | -.00020 | -.06110 | -.00960 | .00920 | -.06000 | -.03000 |
| 1.047 | 4.150 | .27510 | .14590 | .26150 | .16920 | -.00020 | -.08020 | -.01260 | .01120 | -.06000 | -.03000 |
| 1.046 | 6.220 | .27490 | .15010 | .26090 | .17330 | -.00130 | -.12630 | -.01730 | .01870 | -.06000 | -.03000 |
| 1.047 | 8.340 | .27510 | .15100 | .26090 | .17420 | .00510 | -.17380 | -.02260 | .02690 | -.06000 | -.03000 |
| | GRADIENT | -.00078 | .00047 | -.00081 | .00039 | .00037 | -.01697 | -.00239 | .00156 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B222) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 446/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.230 | .80770 | .09190 | .75680 | .29690 | -.02850 | .09920 | .01800 | -.00710 | -.06000 | -.03000 |
| .950 | -4.160 | .80090 | .09200 | .75030 | .29480 | -.03060 | .05940 | .01130 | -.00360 | -.06000 | -.03000 |
| .949 | -3.120 | .80120 | .09230 | .75060 | .29500 | -.03080 | .03880 | .00790 | -.00190 | -.06000 | -.03000 |
| .947 | -2.080 | .79880 | .09330 | .74830 | .29480 | -.02980 | .01980 | .00470 | -.00070 | -.06000 | -.03000 |
| .951 | -1.040 | .80510 | .09570 | .75360 | .29910 | -.03270 | .00300 | .00180 | -.00020 | -.06000 | -.03000 |
| .948 | .010 | .79270 | .09380 | .74210 | .29390 | -.02720 | -.01450 | -.00080 | .00080 | -.06000 | -.03000 |
| .950 | 1.040 | .79700 | .09520 | .74600 | .29630 | -.02940 | -.03220 | -.00330 | .00090 | -.06000 | -.03000 |
| .949 | 2.080 | .79480 | .09520 | .74380 | .29580 | -.02960 | -.04960 | -.00620 | .00120 | -.06000 | -.03000 |
| .819 | 3.040 | .93960 | .11230 | .87930 | .34950 | -.03870 | -.07200 | -.01430 | .01270 | -.06000 | -.03000 |
| .951 | 4.130 | .80430 | .09560 | .75260 | .29920 | -.03360 | -.08260 | -.01620 | .01270 | -.06000 | -.03000 |
| .948 | 6.240 | .79390 | .09360 | .74320 | .29460 | -.02720 | -.12580 | -.02070 | .01490 | -.06000 | -.03000 |
| | GRADIENT | .00654 | .00124 | .00600 | .00286 | -.00051 | -.01731 | -.00328 | .00183 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B223) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 447/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.230 | .80770 | .09230 | .75680 | .29690 | -.02890 | .09960 | .01810 | -.00730 | -.06000 | -.03000 |
| .950 | -4.230 | .80370 | .09190 | .75300 | .29540 | -.03170 | .06490 | .00830 | .00560 | -.06000 | -.03000 |
| .948 | -3.190 | .79960 | .09220 | .74910 | .29450 | -.03090 | .04750 | .00560 | .00600 | -.06000 | -.03000 |
| .949 | -2.150 | .80180 | .09370 | .75060 | .29710 | -.03170 | .02890 | .00270 | .00700 | -.06000 | -.03000 |
| .950 | -1.080 | .80290 | .09460 | .75120 | .29880 | -.03140 | .01240 | -.00060 | .00720 | -.06000 | -.03000 |
| .949 | -.020 | .80750 | .09610 | .75520 | .30150 | -.03280 | -.00480 | -.00330 | .00740 | -.06000 | -.03000 |
| .949 | 1.020 | .80440 | .09560 | .75240 | .30010 | -.03150 | -.02440 | -.00570 | .00860 | -.06000 | -.03000 |
| .950 | 2.140 | .80900 | .09700 | .75620 | .30320 | -.03400 | -.04250 | -.00880 | .00960 | -.06000 | -.03000 |
| .947 | 3.190 | .81000 | .09630 | .75770 | .30230 | -.03360 | -.06240 | -.01240 | .01090 | -.06000 | -.03000 |
| .950 | 4.290 | .80050 | .09430 | .74900 | .29790 | -.03160 | -.08360 | -.01630 | .01250 | -.06000 | -.03000 |
| .950 | 6.390 | .79870 | .09450 | .74740 | .29720 | -.02830 | -.12690 | -.02080 | .01490 | -.06000 | -.03000 |
| .948 | 8.430 | .80150 | .09190 | .75080 | .29540 | -.02120 | -.16050 | -.02520 | .01470 | -.06000 | -.03000 |
| | GRADIENT | .00053 | .00046 | .00035 | .00073 | -.00019 | -.01727 | -.00283 | .00077 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R2B224) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 468/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.970 | -.13670 | .05460 | -.13480 | .05930 | .02750 | -.00760 | -.00030 | .00350 | -.06000 | -.03000 |
| .597 | -.060 | -.04890 | .05540 | -.04880 | .05540 | .02650 | -.00710 | -.00030 | .00350 | -.06000 | -.03000 |
| .596 | 1.960 | .04560 | .05250 | .04380 | .05400 | .02710 | -.00710 | -.00020 | .00340 | -.06000 | -.03000 |
| .597 | 3.970 | .14160 | .04600 | .13810 | .05570 | .02590 | -.00750 | -.00030 | .00310 | -.06000 | -.03000 |
| .597 | 5.890 | .23490 | .03730 | .22980 | .06130 | .02390 | -.00710 | -.00020 | .00310 | -.06000 | -.03000 |
| .597 | 7.910 | .33920 | .02480 | .33260 | .07130 | .02120 | -.00750 | -.00020 | .00300 | -.06000 | -.03000 |
| .597 | 9.980 | .44900 | .01060 | .44040 | .08820 | .01930 | -.00750 | -.00050 | .00290 | -.06000 | -.03000 |
| .597 | 11.920 | .54950 | -.00250 | .53820 | .11110 | .02140 | -.00800 | -.00070 | .00290 | -.06000 | -.03000 |
| .597 | 13.940 | .66460 | -.00490 | .64620 | .15530 | .01690 | -.01240 | .00130 | .00510 | -.06000 | -.03000 |
| .596 | 15.990 | .77680 | -.00030 | .74680 | .21370 | .01190 | -.00750 | .00080 | .00260 | -.06000 | -.03000 |
| .597 | 17.940 | .89580 | .00520 | .85060 | .28100 | -.00040 | -.00920 | .00180 | .00270 | -.06000 | -.03000 |
| | GRADIENT | .04685 | -.00146 | .04594 | -.00061 | -.00021 | .00001 | .00001 | -.00007 | -.00000 | -.00000 |

RUN NO. 454/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.960 | -.13880 | .14910 | -.13360 | .15380 | .05870 | -.00210 | .00030 | .00190 | -.06000 | -.03000 |
| 1.198 | -.040 | -.01550 | .14920 | -.01540 | .14920 | .03070 | -.00220 | .00020 | .00180 | -.06000 | -.03000 |
| 1.199 | 1.990 | .10750 | .14740 | .10230 | .15100 | .00510 | -.00250 | .00010 | .00170 | -.06000 | -.03000 |
| 1.196 | 3.890 | .21850 | .14560 | .20810 | .16010 | -.01510 | -.00320 | -.00010 | .00160 | -.06000 | -.03000 |
| 1.198 | 5.870 | .33610 | .14270 | .31970 | .17630 | -.03410 | -.00300 | -.00020 | .00150 | -.06000 | -.03000 |
| 1.196 | 7.980 | .45050 | .13850 | .42690 | .19980 | -.04680 | -.00290 | -.00070 | .00150 | -.06000 | -.03000 |
| 1.198 | 9.840 | .54490 | .13290 | .51420 | .22400 | -.05170 | -.00470 | .00000 | .00170 | -.06000 | -.03000 |
| 1.197 | 11.890 | .66030 | .13010 | .61930 | .26330 | -.05990 | -.00220 | -.00100 | .00070 | -.06000 | -.03000 |
| 1.196 | 13.940 | .77670 | .13140 | .72210 | .31470 | -.06990 | -.00360 | -.00080 | .00120 | -.06000 | -.03000 |
| 1.198 | 15.990 | .88500 | .13440 | .81380 | .37300 | -.07970 | -.00490 | -.00080 | .00150 | -.06000 | -.03000 |
| 1.197 | 17.920 | .99030 | .13460 | .90080 | .43280 | -.08820 | -.00550 | -.00060 | .00180 | -.06000 | -.03000 |
| | GRADIENT | .06103 | -.00063 | .05837 | .00105 | -.01262 | -.00018 | -.00007 | -.00005 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B225) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 469/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -2.010 | -.13820 | .05310 | -.13620 | .05790 | .02300 | -.08140 | -.00240 | .01020 | -.06000 | -.03000 |
| .598 | -.040 | -.04670 | .05430 | -.04670 | .05430 | .02210 | -.08140 | -.00370 | .01020 | -.06000 | -.03000 |
| .597 | 1.920 | .04410 | .05210 | .04230 | .05360 | .02230 | -.08120 | -.00470 | .00990 | -.06000 | -.03000 |
| .597 | 3.980 | .14350 | .04660 | .13990 | .05640 | .02180 | -.08070 | -.00580 | .00930 | -.06000 | -.03000 |
| .597 | 5.950 | .24080 | .03790 | .23560 | .06270 | .02020 | -.07930 | -.00650 | .00890 | -.06000 | -.03000 |
| .597 | 7.900 | .34380 | .02610 | .33700 | .07310 | .01790 | -.08110 | -.00840 | .00940 | -.06000 | -.03000 |
| .597 | 10.000 | .45400 | .01130 | .44510 | .09000 | .01620 | -.08050 | -.01150 | .00960 | -.06000 | -.03000 |
| .597 | 11.960 | .55950 | -.00220 | .54780 | .11380 | .01500 | -.07930 | -.01320 | .00910 | -.06000 | -.03000 |
| .596 | 14.000 | .67570 | -.00310 | .65630 | .16040 | .00820 | -.08250 | -.00880 | .01060 | -.06000 | -.03000 |
| .597 | 16.040 | .78660 | -.00080 | .75620 | .21670 | .00400 | -.08360 | -.00770 | .01030 | -.06000 | -.03000 |
| .596 | 17.960 | .89440 | .00120 | .85050 | .27700 | -.00090 | -.08490 | -.00710 | .01080 | -.06000 | -.03000 |
| | GRADIENT | .04696 | -.00110 | .04603 | -.00025 | -.00017 | .00012 | -.00056 | -.00015 | -.00000 | -.00000 |

RUN NO. 455/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.960 | -.14350 | .15080 | -.13830 | .15560 | .05730 | -.07740 | -.00570 | .00740 | -.06000 | -.03000 |
| 1.199 | -.020 | -.02140 | .14970 | -.02140 | .14970 | .03020 | -.07550 | -.00650 | .00690 | -.06000 | -.03000 |
| 1.199 | 1.950 | .09870 | .14830 | .09360 | .15160 | .00570 | -.07310 | -.00700 | .00590 | -.06000 | -.03000 |
| 1.199 | 3.910 | .21530 | .14650 | .20480 | .16090 | -.01570 | -.07080 | -.00750 | .00450 | -.06000 | -.03000 |
| 1.199 | 5.870 | .33060 | .14520 | .31400 | .17830 | -.03300 | -.06730 | -.00800 | .00320 | -.06000 | -.03000 |
| 1.200 | 7.940 | .44610 | .14210 | .42220 | .20240 | -.04550 | -.06960 | -.00810 | .00410 | -.06000 | -.03000 |
| 1.199 | 10.020 | .55850 | .13770 | .52600 | .23280 | -.05330 | -.06880 | -.00900 | .00320 | -.06000 | -.03000 |
| 1.198 | 12.020 | .66800 | .13590 | .62510 | .27200 | -.06160 | -.06960 | -.00850 | .00280 | -.06000 | -.03000 |
| 1.199 | 14.040 | .78650 | .13500 | .73030 | .32180 | -.07520 | -.07100 | -.00600 | .00140 | -.06000 | -.03000 |
| 1.198 | 16.000 | .89030 | .13530 | .81860 | .37540 | -.08330 | -.06950 | -.00580 | -.00100 | -.06000 | -.03000 |
| 1.198 | 17.950 | .98550 | .13370 | .89630 | .43100 | -.08510 | -.06770 | -.00630 | -.00400 | -.06000 | -.03000 |
| | GRADIENT | .06111 | -.00073 | .05844 | .00091 | -.01243 | .00113 | -.00030 | -.00050 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28226) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 470/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -6.080 | .46500 | .00980 | .45630 | .09010 | .01310 | .09810 | .01410 | -.00700 | -.06000 | -.03000 |
| .597 | -4.070 | .45890 | .01000 | .45030 | .08910 | .01550 | .06130 | .00930 | -.00280 | -.06000 | -.03000 |
| .597 | -3.040 | .45560 | .01030 | .44720 | .08870 | .01690 | .04210 | .00690 | -.00100 | -.06000 | -.03000 |
| .597 | -2.040 | .45080 | .01060 | .44220 | .08810 | .01880 | .02470 | .00440 | .00040 | -.06000 | -.03000 |
| .597 | -1.010 | .44670 | .01130 | .43810 | .08800 | .01920 | .00800 | .00160 | .00170 | -.06000 | -.03000 |
| .597 | -.020 | .44660 | .01130 | .43800 | .08780 | .01910 | -.00840 | -.00060 | .00310 | -.06000 | -.03000 |
| .597 | .980 | .44680 | .01140 | .43810 | .08820 | .01860 | -.02420 | -.00270 | .00450 | -.06000 | -.03000 |
| .598 | 2.020 | .45050 | .01130 | .44170 | .08900 | .01790 | -.04250 | -.00510 | .00590 | -.06000 | -.03000 |
| .598 | 3.070 | .44980 | .01190 | .44090 | .08960 | .01760 | -.06060 | -.00770 | .00730 | -.06000 | -.03000 |
| .597 | 4.110 | .44820 | .01210 | .43940 | .08940 | .01640 | -.07880 | -.01100 | .00940 | -.06000 | -.03000 |
| .597 | 6.180 | .44700 | .01220 | .43810 | .08920 | .01290 | -.11990 | -.01470 | .01330 | -.06000 | -.03000 |
| .597 | 8.250 | .45500 | .01110 | .44630 | .08970 | .01360 | -.15890 | -.01880 | .01760 | -.06000 | -.03000 |
| | GRADIENT | -.00100 | .00024 | -.00103 | .00010 | .00005 | -.01693 | -.00243 | .00143 | .00000 | .00000 |

RUN NO. 456/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -6.190 | .56660 | .13750 | .53400 | .23420 | -.05410 | .09150 | .01050 | -.00190 | -.06000 | -.03000 |
| 1.201 | -4.180 | .56800 | .13600 | .53550 | .23320 | -.05610 | .05780 | .00750 | -.00060 | -.06000 | -.03000 |
| 1.198 | -3.110 | .56660 | .13510 | .53440 | .23160 | -.05520 | .04160 | .00590 | .00010 | -.06000 | -.03000 |
| 1.200 | -2.070 | .56200 | .13370 | .53020 | .22930 | -.05360 | .02590 | .00400 | .00070 | -.06000 | -.03000 |
| 1.200 | -1.030 | .55700 | .13280 | .52560 | .22740 | -.05280 | .01030 | .00160 | .00110 | -.06000 | -.03000 |
| 1.199 | -.010 | .55110 | .13240 | .51990 | .22570 | -.05140 | -.00360 | -.00040 | .00150 | -.06000 | -.03000 |
| 1.200 | 1.010 | .55420 | .13290 | .52260 | .22730 | -.05220 | -.01810 | -.00230 | .00170 | -.06000 | -.03000 |
| 1.201 | 2.070 | .55880 | .13420 | .52680 | .22960 | -.05400 | -.03410 | -.00430 | .00210 | -.06000 | -.03000 |
| 1.198 | 3.120 | .55750 | .13540 | .52540 | .23060 | -.05310 | -.04970 | -.00690 | .00240 | -.06000 | -.03000 |
| 1.198 | 4.190 | .55600 | .13720 | .52360 | .23200 | -.05330 | -.06660 | -.00890 | .00300 | -.06000 | -.03000 |
| 1.200 | 6.280 | .55550 | .13960 | .52270 | .23420 | -.05410 | -.10140 | -.01220 | .00420 | -.06000 | -.03000 |
| 1.201 | 8.400 | .55700 | .13990 | .52410 | .23480 | -.05110 | -.13740 | -.01610 | .00640 | -.06000 | -.03000 |
| | GRADIENT | -.00135 | .00011 | -.00135 | -.00012 | .00028 | -.01472 | -.00199 | .00040 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B227) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 465/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .902 | -2.070 | -.15970 | .07400 | -.15690 | .07970 | .04120 | -.00160 | .00240 | .00050 | -.06000 | -.03000 |
| .902 | -.070 | -.04180 | .07370 | -.04170 | .07370 | .03250 | -.00200 | .00190 | .00060 | -.06000 | -.03000 |
| .901 | 2.030 | .07760 | .07240 | .07490 | .07510 | .02560 | -.00160 | .00110 | .00060 | -.06000 | -.03000 |
| .901 | 3.930 | .18240 | .07120 | .17710 | .08360 | .02010 | -.00210 | .00030 | .00040 | -.06000 | -.03000 |
| .900 | 5.950 | .28400 | .06900 | .27530 | .09810 | .01700 | -.00170 | -.00060 | .00000 | -.06000 | -.03000 |
| .900 | 7.910 | .37890 | .06730 | .36610 | .11880 | .01600 | -.00280 | .00010 | .00050 | -.06000 | -.03000 |
| .901 | 9.970 | .48450 | .06640 | .46570 | .14920 | .01300 | -.00430 | -.00030 | .00090 | -.06000 | -.03000 |
| .902 | 11.920 | .57210 | .06720 | .54580 | .18390 | .01020 | -.00570 | -.00040 | .00100 | -.06000 | -.03000 |
| .900 | 13.950 | .67070 | .06950 | .63420 | .22910 | .00360 | -.00510 | .00110 | .00040 | -.06000 | -.03000 |
| .903 | 15.940 | .77560 | .07260 | .72580 | .28280 | -.00640 | -.00510 | .00210 | -.00070 | -.06000 | -.03000 |
| .902 | 17.950 | .87840 | .07240 | .81330 | .33950 | -.00810 | -.00520 | .00200 | -.00140 | -.06000 | -.03000 |
| | GRADIENT | .05701 | -.00048 | .05566 | .00063 | -.00349 | -.00005 | -.00035 | -.00001 | -.00000 | -.00000 |

RUN NO. 460/ 0 RN/L = 8.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -2.030 | -.17840 | .09920 | -.17480 | .10550 | .06220 | .00060 | .00150 | -.00020 | -.06000 | -.03000 |
| .952 | -.060 | -.05340 | .09830 | -.05330 | .09830 | .04670 | .00190 | .00160 | -.00040 | -.06000 | -.03000 |
| .950 | 1.940 | .07290 | .09630 | .06960 | .09880 | .02920 | .00210 | .00160 | -.00080 | -.06000 | -.03000 |
| .952 | 3.970 | .20290 | .09490 | .19580 | .10870 | .01130 | .00170 | .00160 | -.00100 | -.06000 | -.03000 |
| .951 | 5.950 | .32530 | .09170 | .31410 | .12500 | -.00460 | .00190 | .00100 | -.00080 | -.06000 | -.03000 |
| .951 | 7.970 | .43950 | .08830 | .42310 | .14830 | -.01540 | .00060 | .00040 | .00060 | -.06000 | -.03000 |
| .950 | 9.910 | .54550 | .08490 | .52270 | .17750 | -.02170 | .00160 | -.00040 | .00120 | -.06000 | -.03000 |
| .951 | 11.910 | .65380 | .08730 | .62170 | .22040 | -.02840 | .00340 | -.00090 | .00170 | -.06000 | -.03000 |
| .950 | 13.940 | .75230 | .09110 | .70810 | .26970 | -.03140 | .00160 | .00090 | .00280 | -.06000 | -.03000 |
| .951 | 15.990 | .87000 | .09560 | .81000 | .33150 | -.03970 | .00610 | -.00030 | .00260 | -.06000 | -.03000 |
| .953 | 17.920 | .97410 | .09600 | .89730 | .39100 | -.04180 | .00070 | .00120 | .00080 | -.06000 | -.03000 |
| | GRADIENT | .06351 | -.00075 | .06174 | .00052 | -.00851 | .00017 | .00001 | -.00014 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B227) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 459/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -2.070 | -.18190 | .13810 | -.17680 | .14460 | .07330 | -.00200 | .00020 | .00200 | -.06000 | -.03000 |
| 1.050 | -.050 | -.04670 | .13700 | -.04660 | .13710 | .05210 | -.00230 | .00010 | .00160 | -.06000 | -.03000 |
| 1.048 | 2.000 | .08920 | .13680 | .08440 | .13990 | .02850 | -.00200 | .00010 | .00150 | -.06000 | -.03000 |
| 1.046 | 4.010 | .21970 | .13670 | .20960 | .15170 | .00480 | -.00250 | -.00010 | .00130 | -.06000 | -.03000 |
| 1.050 | 6.010 | .34190 | .13480 | .32590 | .16990 | -.01480 | -.00220 | -.00040 | .00100 | -.06000 | -.03000 |
| 1.047 | 7.900 | .44740 | .13140 | .42510 | .19160 | -.02500 | -.00210 | .00000 | .00100 | -.06000 | -.03000 |
| 1.047 | 9.950 | .56260 | .12850 | .53200 | .22380 | -.03470 | -.00250 | .00010 | .00080 | -.06000 | -.03000 |
| 1.049 | 12.000 | .67460 | .12810 | .63320 | .26560 | -.04140 | .00030 | -.00050 | -.00020 | -.06000 | -.03000 |
| 1.046 | 13.920 | .78030 | .12980 | .72610 | .31370 | -.04720 | -.00170 | -.00020 | .00060 | -.06000 | -.03000 |
| 1.049 | 15.950 | .88890 | .13070 | .81880 | .36990 | -.05260 | -.00410 | -.00090 | .00120 | -.06000 | -.03000 |
| 1.048 | 17.890 | 1.01170 | .13010 | .92280 | .43460 | -.06710 | -.00880 | .00210 | .00270 | -.06000 | -.03000 |
| | GRADIENT | .06608 | -.00022 | .06359 | .00119 | -.01129 | -.00006 | -.00004 | -.00011 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R2B228) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 466/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .902 | -2.110 | -.16780 | .07260 | -.16500 | .07870 | .03730 | -.09170 | .00200 | .01220 | -.06000 | -.03000 |
| .901 | -.070 | -.04870 | .07370 | -.04860 | .07380 | .02850 | -.09160 | -.00070 | .01260 | -.06000 | -.03000 |
| .902 | 1.950 | .08740 | .07160 | .06490 | .07390 | .02160 | -.09030 | -.00260 | .01170 | -.06000 | -.03000 |
| .901 | 3.920 | .18070 | .07090 | .17540 | .08310 | .01370 | -.09050 | -.00400 | .01140 | -.06000 | -.03000 |
| .903 | 5.950 | .28790 | .06990 | .27910 | .09930 | .01050 | -.09010 | -.00610 | .01020 | -.06000 | -.03000 |
| .902 | 7.940 | .38420 | .06710 | .37180 | .11960 | .01110 | -.09030 | -.00720 | .00890 | -.06000 | -.03000 |
| .901 | 10.000 | .48500 | .06660 | .46610 | .14980 | .01010 | -.08730 | -.00910 | .00770 | -.06000 | -.03000 |
| .899 | 12.030 | .58240 | .06630 | .55580 | .18620 | .00590 | -.08770 | -.00990 | .00650 | -.06000 | -.03000 |
| .900 | 13.980 | .68420 | .06970 | .64710 | .23290 | -.00250 | -.08530 | -.00800 | .00240 | -.06000 | -.03000 |
| .901 | 16.030 | .78830 | .07050 | .73810 | .28550 | -.01010 | -.08200 | -.00590 | -.00280 | -.06000 | -.03000 |
| .900 | 17.990 | .88250 | .06870 | .81820 | .33780 | -.01040 | -.08060 | -.00460 | -.00740 | -.06000 | -.03000 |
| | GRADIENT | .05776 | -.00036 | .05643 | .00065 | -.00386 | .00024 | -.00099 | -.00016 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R28228) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 461/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.040 | -.18410 | .09570 | -.18050 | .10320 | .05830 | -.08130 | -.00250 | .00910 | -.06000 | -.03000 |
| .952 | -.050 | -.05940 | .09880 | -.05930 | .09880 | .04570 | -.07920 | -.00590 | .00880 | -.06000 | -.03000 |
| .952 | 1.990 | .06970 | .09790 | .06630 | .10030 | .02970 | -.07740 | -.00720 | .00850 | -.06000 | -.03000 |
| .950 | 3.970 | .19290 | .09460 | .18590 | .10770 | .01330 | -.07820 | -.00630 | .00850 | -.06000 | -.03000 |
| .950 | 5.960 | .31670 | .09260 | .30540 | .12510 | -.00060 | -.07810 | -.00590 | .00850 | -.06000 | -.03000 |
| .949 | 7.930 | .43290 | .08920 | .41650 | .14810 | -.01180 | -.07920 | -.00670 | .00910 | -.06000 | -.03000 |
| .949 | 9.890 | .54210 | .08630 | .51920 | .17810 | -.02080 | -.07230 | -.00880 | .00660 | -.06000 | -.03000 |
| .950 | 11.950 | .65660 | .08710 | .62430 | .22120 | -.02900 | -.06780 | -.00990 | .00480 | -.06000 | -.03000 |
| .953 | 13.960 | .75790 | .08930 | .71400 | .26950 | -.03440 | -.06410 | -.00910 | .00290 | -.06000 | -.03000 |
| .952 | 17.970 | .96480 | .08940 | .89020 | .38270 | -.04090 | -.04960 | -.01140 | -.00420 | -.06000 | -.03000 |
| | GRADIENT | .06279 | -.00036 | .06103 | .00075 | -.00752 | .00055 | -.00063 | -.00010 | -.00000 | -.00000 |

RUN NO. 458/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.060 | -.18280 | .13970 | -.17770 | .14620 | .06910 | -.07770 | -.00460 | .00820 | -.06000 | -.03000 |
| 1.051 | -.030 | -.04940 | .13840 | -.04930 | .13840 | .04830 | -.07500 | -.00810 | .00740 | -.06000 | -.03000 |
| 1.047 | 2.020 | .08590 | .13880 | .08090 | .14170 | .02670 | -.07270 | -.00930 | .00680 | -.06000 | -.03000 |
| 1.048 | 3.910 | .21060 | .13900 | .20060 | .15300 | .00470 | -.07120 | -.00930 | .00580 | -.06000 | -.03000 |
| 1.048 | 5.950 | .33640 | .13850 | .32020 | .17270 | -.01350 | -.07060 | -.00880 | .00560 | -.06000 | -.03000 |
| 1.049 | 7.870 | .44880 | .13730 | .42570 | .19740 | -.02440 | -.07320 | -.00840 | .00660 | -.06000 | -.03000 |
| 1.047 | 9.960 | .56310 | .13370 | .53150 | .22910 | -.03330 | -.07250 | -.00970 | .00650 | -.06000 | -.03000 |
| 1.049 | 12.030 | .67880 | .13050 | .63670 | .26910 | -.04220 | -.06830 | -.01020 | .00390 | -.06000 | -.03000 |
| 1.047 | 13.990 | .78750 | .13050 | .73250 | .31700 | -.04910 | -.07240 | -.00950 | .00390 | -.06000 | -.03000 |
| 1.049 | 16.020 | .90300 | .13000 | .83210 | .37410 | -.05780 | -.07440 | -.00780 | .00280 | -.06000 | -.03000 |
| 1.047 | 17.950 | 1.00630 | .12940 | .91740 | .43340 | -.06480 | -.07250 | -.00590 | -.00060 | -.06000 | -.03000 |
| | GRADIENT | .06591 | -.00009 | .06338 | .00115 | -.01076 | .00109 | -.00077 | -.00039 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28229) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 467/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .903 | -6.330 | .24440 | .06990 | .23730 | .09090 | .01100 | .11960 | .00340 | -.01010 | -.06000 | -.03000 |
| .902 | -4.240 | .24160 | .06890 | .23470 | .08960 | .01260 | .08250 | .00290 | -.00770 | -.06000 | -.03000 |
| .901 | -3.200 | .24220 | .06910 | .23530 | .08980 | .01340 | .06070 | .00170 | -.00570 | -.06000 | -.03000 |
| .900 | -2.140 | .24060 | .06890 | .23370 | .08950 | .01570 | .03940 | .00050 | -.00300 | -.06000 | -.03000 |
| .900 | -1.090 | .23780 | .07010 | .23060 | .09050 | .01690 | .01880 | -.00010 | -.00120 | -.06000 | -.03000 |
| .902 | .000 | .23750 | .07110 | .23050 | .09120 | .01670 | -.00220 | -.00010 | .00030 | -.06000 | -.03000 |
| .900 | 1.020 | .23600 | .06930 | .22920 | .08940 | .01660 | -.02320 | -.00120 | .00250 | -.06000 | -.03000 |
| .900 | 2.090 | .23810 | .07020 | .23120 | .09040 | .01440 | -.04620 | -.00240 | .00530 | -.06000 | -.03000 |
| .902 | 3.130 | .24100 | .07110 | .23390 | .09160 | .01220 | -.06860 | -.00360 | .00830 | -.06000 | -.03000 |
| .901 | 4.170 | .23580 | .06980 | .22890 | .08990 | .01160 | -.08940 | -.00490 | .01090 | -.06000 | -.03000 |
| .900 | 6.250 | .23130 | .07140 | .22440 | .09090 | .00890 | -.13320 | -.00620 | .01610 | -.06000 | -.03000 |
| .900 | 8.340 | .23200 | .07210 | .22490 | .09180 | .01190 | -.17430 | -.00850 | .02180 | -.06000 | -.03000 |
| | GRADIENT | -.00053 | .00018 | -.00054 | .00012 | -.00016 | -.02039 | -.00085 | .00216 | .00000 | .00000 |

RUN NO. 462/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -6.320 | .26560 | .09330 | .25640 | .11630 | .00810 | .11530 | .00900 | -.01250 | -.06000 | -.03000 |
| .953 | -4.240 | .26650 | .09230 | .25740 | .11520 | .00390 | .07270 | .00530 | -.00620 | -.06000 | -.03000 |
| .949 | -3.190 | .26800 | .09240 | .25890 | .11540 | .00250 | .05300 | .00390 | -.00400 | -.06000 | -.03000 |
| .951 | -2.130 | .26860 | .09410 | .25930 | .11710 | .00280 | .03390 | .00300 | -.00190 | -.06000 | -.03000 |
| .950 | -1.080 | .26580 | .09410 | .25660 | .11680 | .00330 | .01760 | .00210 | -.00130 | -.06000 | -.03000 |
| .951 | -.010 | .26600 | .09470 | .25680 | .11740 | .00350 | .00100 | .00100 | -.00080 | -.06000 | -.03000 |
| .952 | 1.020 | .26590 | .09420 | .25670 | .11700 | .00250 | -.01660 | -.00030 | .00050 | -.06000 | -.03000 |
| .952 | 2.090 | .26500 | .09290 | .25590 | .11560 | .00200 | -.03560 | -.00170 | .00260 | -.06000 | -.03000 |
| .948 | 3.100 | .26430 | .09280 | .25520 | .11550 | .00310 | -.05610 | -.00350 | .00550 | -.06000 | -.03000 |
| .951 | 4.160 | .25830 | .09490 | .24910 | .11700 | .00580 | -.07690 | -.00570 | .00830 | -.06000 | -.03000 |
| .949 | 6.260 | .24730 | .09430 | .23820 | .11540 | .00860 | -.12610 | -.00850 | .01510 | -.06000 | -.03000 |
| .950 | 8.350 | .24530 | .09710 | .23600 | .11800 | .01460 | -.16740 | -.01350 | .02170 | -.06000 | -.03000 |
| | GRADIENT | -.00067 | .00015 | -.00081 | .00009 | .00011 | -.01744 | -.00124 | .00154 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28229) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 457/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.051 | -6.320 | .29780 | .13900 | .28420 | .16500 | -.01050 | .10080 | .01280 | -.00690 | -.06000 | -.03000 |
| 1.050 | -4.240 | .29120 | .13670 | .27800 | .16190 | -.00910 | .06360 | .00800 | -.00270 | -.06000 | -.03000 |
| 1.049 | -3.190 | .28970 | .13660 | .27650 | .16160 | -.00880 | .04600 | .00580 | -.00110 | -.06000 | -.03000 |
| 1.049 | -2.140 | .28830 | .13630 | .27520 | .16120 | -.00740 | .02980 | .00390 | -.00020 | -.06000 | -.03000 |
| 1.048 | -1.090 | .28390 | .13590 | .27090 | .16020 | -.00590 | .01330 | .00200 | .00060 | -.06000 | -.03000 |
| 1.049 | .000 | .27940 | .13630 | .26660 | .15990 | -.00550 | -.00320 | -.00020 | .00120 | -.06000 | -.03000 |
| 1.048 | 1.020 | .28150 | .13720 | .26860 | .16100 | -.00620 | -.01950 | -.00210 | .00210 | -.06000 | -.03000 |
| 1.049 | 2.090 | .28030 | .13750 | .26740 | .16110 | -.00640 | -.03650 | -.00410 | .00290 | -.06000 | -.03000 |
| 1.049 | 3.110 | .27870 | .13770 | .26580 | .16120 | -.00580 | -.05290 | -.00660 | .00380 | -.06000 | -.03000 |
| 1.049 | 4.170 | .27730 | .13860 | .26430 | .16200 | -.00590 | -.07000 | -.00910 | .00540 | -.06000 | -.03000 |
| 1.047 | 6.270 | .27550 | .14170 | .26230 | .16490 | -.00800 | -.11360 | -.01310 | .01160 | -.06000 | -.03000 |
| 1.047 | 8.360 | .27740 | .14270 | .26410 | .16610 | -.00300 | -.15920 | -.01770 | .01900 | -.06000 | -.03000 |
| | GRADIENT | -.00170 | .00023 | -.00166 | -.00000 | .00037 | -.01579 | -.00199 | .00087 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28230) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 463/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.240 | .80640 | .08670 | .75690 | .29150 | -.03190 | .08690 | .01440 | -.00020 | -.06000 | -.03000 |
| .951 | -4.170 | .81790 | .09090 | .76660 | .29920 | -.03810 | .05380 | .01030 | -.00060 | -.06000 | -.03000 |
| .951 | -3.120 | .80970 | .09010 | .75900 | .29610 | -.03670 | .03700 | .00830 | -.00110 | -.06000 | -.03000 |
| .950 | -2.070 | .81690 | .09330 | .76520 | .30100 | -.03760 | .02230 | .00640 | -.00200 | -.06000 | -.03000 |
| .950 | -1.030 | .80680 | .09230 | .75570 | .29720 | -.03560 | .00990 | .00470 | -.00390 | -.06000 | -.03000 |
| .951 | .050 | .81240 | .09500 | .76030 | .30170 | -.03750 | -.00470 | .00310 | -.00570 | -.06000 | -.03000 |
| .949 | 2.140 | .79780 | .09050 | .74750 | .29330 | -.03170 | -.03620 | -.00010 | -.00650 | -.06000 | -.03000 |
| .952 | 3.110 | .81510 | .09240 | .76350 | .29980 | -.03830 | -.04190 | -.00620 | .00050 | -.06000 | -.03000 |
| .951 | 4.180 | .81350 | .09060 | .76240 | .29780 | -.03800 | -.06050 | -.00930 | .00130 | -.06000 | -.03000 |
| .951 | 6.320 | .80630 | .08910 | .75580 | .29450 | -.03530 | -.10500 | -.01520 | .00440 | -.06000 | -.03000 |
| .951 | 8.420 | .80220 | .08410 | .75320 | .28870 | -.02650 | -.14070 | -.01980 | .00490 | -.06000 | -.03000 |
| | GRADIENT | -.00058 | -.00000 | -.00057 | -.00015 | .00011 | -.01341 | -.00223 | .00008 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R28231) ( 27 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 464/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.240 | .81200 | .08780 | .76180 | .29440 | -.03290 | .08610 | .01420 | .00000 | -.06000 | -.03000 |
| .951 | -4.240 | .80940 | .08940 | .75900 | .29510 | -.03580 | .06110 | .00710 | .00870 | -.06000 | -.03000 |
| .951 | -3.190 | .80960 | .09060 | .75880 | .29640 | -.03620 | .04490 | .00530 | .00760 | -.06000 | -.03000 |
| .952 | -2.160 | .81110 | .09260 | .75980 | .29870 | -.03690 | .03100 | .00370 | .00630 | -.06000 | -.03000 |
| .952 | -1.100 | .80910 | .09300 | .75770 | .29880 | -.03660 | .01840 | .00220 | .00380 | -.06000 | -.03000 |
| .950 | 1.020 | .80360 | .09160 | .75250 | .29640 | -.03430 | -.00910 | -.00120 | .00070 | -.06000 | -.03000 |
| .952 | 2.100 | .81070 | .09240 | .75900 | .29930 | -.03550 | -.02880 | -.00330 | .00180 | -.06000 | -.03000 |
| .951 | 3.170 | .81000 | .09080 | .75890 | .29760 | -.03520 | -.04450 | -.00580 | .00070 | -.06000 | -.03000 |
| .950 | 4.240 | .80780 | .08920 | .75720 | .29520 | -.03580 | -.06130 | -.00940 | .00090 | -.06000 | -.03000 |
| .952 | 6.360 | .80900 | .08990 | .75820 | .29620 | -.03560 | -.10540 | -.01520 | .00460 | -.06000 | -.03000 |
| .949 | 8.430 | .80980 | .08530 | .76010 | .29190 | -.02830 | -.14030 | -.01990 | .00490 | -.06000 | -.03000 |
| | GRADIENT | -.00018 | -.00003 | -.00021 | .00004 | .00013 | -.01422 | -.00183 | -.00100 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R28232) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 485/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.980 | -.15010 | .07400 | -.14750 | .07910 | .04670 | -.05920 | -.01480 | .02830 | -.06000 | -.03000 |
| .596 | .000 | -.05980 | .07470 | -.05980 | .07460 | .04510 | -.05830 | -.01460 | .02760 | -.06000 | -.03000 |
| .596 | 1.970 | .03310 | .07150 | .03060 | .07260 | .04520 | -.05700 | -.01430 | .02740 | -.06000 | -.03000 |
| .597 | 3.930 | .12580 | .06520 | .12100 | .07370 | .04410 | -.05700 | -.01400 | .02670 | -.06000 | -.03000 |
| .596 | 5.950 | .22630 | .05570 | .21930 | .07890 | .04210 | -.05570 | -.01360 | .02620 | -.06000 | -.03000 |
| .596 | 7.940 | .32760 | .04360 | .31860 | .08790 | .03870 | -.05510 | -.01320 | .02560 | -.06000 | -.03000 |
| .596 | 9.950 | .43460 | .03680 | .42510 | .10330 | .03650 | -.05480 | -.01330 | .02500 | -.06000 | -.03000 |
| .596 | 11.960 | .53820 | .01450 | .52350 | .12570 | .03810 | -.05340 | -.01290 | .02460 | -.06000 | -.03000 |
| .596 | 13.960 | .65330 | .01110 | .63130 | .16830 | .03380 | -.05780 | -.01100 | .02630 | -.06000 | -.03000 |
| .596 | 15.960 | .76400 | .01530 | .73040 | .22480 | .02860 | -.05420 | -.01150 | .02400 | -.06000 | -.03000 |
| .596 | 17.930 | .88180 | .02100 | .83250 | .29150 | .01700 | -.05620 | -.01060 | .02430 | -.06000 | -.03000 |
| | GRADIENT | .04673 | -.00150 | .04548 | -.00093 | -.00039 | .00040 | .00014 | -.00025 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R2B232) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 471/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -2.010 | -.15580 | .16770 | -.14980 | .17300 | .08550 | -.04190 | -.01250 | .02340 | -.06000 | -.03000 |
| 1.199 | .010 | -.02550 | .16680 | -.02560 | .16680 | .05510 | -.04050 | -.01240 | .02260 | -.06000 | -.03000 |
| 1.197 | 1.970 | .09350 | .16540 | .08770 | .16850 | .03020 | -.04040 | -.01210 | .02200 | -.06000 | -.03000 |
| 1.197 | 3.940 | .21060 | .16410 | .19880 | .17820 | .00810 | -.03900 | -.01210 | .02150 | -.06000 | -.03000 |
| 1.197 | 5.890 | .32270 | .16170 | .30440 | .19400 | -.01100 | -.03840 | -.01210 | .02060 | -.06000 | -.03000 |
| 1.197 | 7.880 | .43470 | .15830 | .40890 | .21640 | -.02470 | -.03760 | -.01210 | .02020 | -.06000 | -.03000 |
| 1.198 | 10.000 | .54270 | .15210 | .50810 | .24400 | -.03030 | -.03770 | -.01140 | .01970 | -.06000 | -.03000 |
| 1.198 | 11.980 | .65430 | .14880 | .60910 | .28140 | -.03930 | -.03510 | -.01180 | .01870 | -.06000 | -.03000 |
| 1.196 | 13.900 | .76580 | .14870 | .70760 | .32830 | -.04850 | -.03590 | -.01140 | .01890 | -.06000 | -.03000 |
| 1.199 | 16.010 | .87660 | .14930 | .80150 | .38520 | -.05790 | -.03740 | -.01130 | .01900 | -.06000 | -.03000 |
| 1.196 | 17.890 | .97920 | .14890 | .88610 | .44240 | -.06560 | -.03740 | -.01100 | .01920 | -.06000 | -.03000 |
| | GRADIENT | .06150 | -.00062 | .05852 | .00086 | -.01298 | .00044 | .00008 | -.00032 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B233) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 486/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -2.000 | -.15130 | .07240 | -.14860 | .07770 | .04120 | -.13810 | -.01790 | .03670 | -.06000 | -.03000 |
| .596 | -.040 | -.05940 | .07360 | -.05940 | .07370 | .03960 | -.13680 | -.01860 | .03590 | -.06000 | -.03000 |
| .596 | 2.000 | .03730 | .07110 | .03480 | .07240 | .03910 | -.13530 | -.01950 | .03510 | -.06000 | -.03000 |
| .596 | 3.940 | .12970 | .06550 | .12490 | .07430 | .03820 | -.13350 | -.02000 | .03400 | -.06000 | -.03000 |
| .596 | 5.930 | .22810 | .05660 | .22110 | .07990 | .03600 | -.13190 | -.02050 | .03320 | -.06000 | -.03000 |
| .596 | 7.950 | .33330 | .04380 | .32410 | .08950 | .03350 | -.13240 | -.02210 | .03310 | -.06000 | -.03000 |
| .596 | 9.960 | .43920 | .02900 | .42750 | .10450 | .03280 | -.13040 | -.02440 | .03270 | -.06000 | -.03000 |
| .596 | 11.990 | .54710 | .01480 | .53210 | .12810 | .03150 | -.12870 | -.02600 | .03210 | -.06000 | -.03000 |
| .596 | 13.990 | .66440 | .01340 | .64150 | .17360 | .02480 | -.13220 | -.02180 | .03330 | -.06000 | -.03000 |
| .596 | 16.010 | .77240 | .01530 | .73820 | .22780 | .02090 | -.13130 | -.02050 | .03260 | -.06000 | -.03000 |
| .596 | 17.980 | .87690 | .01510 | .82940 | .28510 | .01960 | -.13320 | -.02070 | .03320 | -.06000 | -.03000 |
| | GRADIENT | .04732 | -.00117 | .04606 | -.00058 | -.00048 | .00077 | -.00036 | -.00045 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R28233) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 472/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -2.010 | -.16160 | .17300 | -.15540 | .17850 | .08610 | -.11740 | -.01860 | .02900 | -.06000 | -.03000 |
| 1.198 | .030 | -.03120 | .17270 | -.03130 | .17270 | .05590 | -.11460 | -.01900 | .02780 | -.06000 | -.03000 |
| 1.198 | 1.950 | .08620 | .17060 | .08030 | .17340 | .03110 | -.11120 | -.01920 | .02640 | -.06000 | -.03000 |
| 1.198 | 3.950 | .20490 | .16770 | .19290 | .18140 | .00890 | -.10840 | -.01970 | .02490 | -.06000 | -.03000 |
| 1.196 | 5.900 | .31970 | .16530 | .30100 | .19730 | -.00870 | -.10470 | -.02010 | .02310 | -.06000 | -.03000 |
| 1.198 | 7.960 | .43530 | .16300 | .40850 | .22180 | -.02200 | -.10660 | -.01980 | .02360 | -.06000 | -.03000 |
| 1.197 | 10.040 | .55030 | .15870 | .51430 | .25220 | -.03090 | -.10370 | -.02090 | .02230 | -.06000 | -.03000 |
| 1.197 | 11.980 | .65380 | .15660 | .60710 | .28890 | -.03770 | -.10600 | -.02030 | .02210 | -.06000 | -.03000 |
| 1.197 | 13.940 | .76960 | .15420 | .70980 | .33500 | -.05150 | -.10660 | -.01750 | .02080 | -.06000 | -.03000 |
| 1.196 | 16.020 | .88120 | .15160 | .80510 | .38890 | -.05960 | -.10510 | -.01720 | .01800 | -.06000 | -.03000 |
| 1.198 | 17.930 | .97110 | .14760 | .87850 | .43930 | -.06150 | -.10420 | -.01780 | .01520 | -.06000 | -.03000 |
| | GRADIENT | .06147 | -.00091 | .05841 | .00047 | -.01295 | .00153 | -.00018 | -.00069 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28234) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 487/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -6.080 | .45170 | .02600 | .44030 | .10400 | .03220 | .05340 | .00200 | .01380 | -.06000 | -.03000 |
| .596 | -4.070 | .44450 | .02640 | .43320 | .10310 | .03470 | .01560 | -.00340 | .01880 | -.06000 | -.03000 |
| .596 | -3.040 | .44250 | .02730 | .43110 | .10350 | .03380 | -.00300 | -.00560 | .02020 | -.06000 | -.03000 |
| .596 | -2.040 | .44030 | .02780 | .42890 | .10360 | .03680 | -.02050 | -.00800 | .02180 | -.06000 | -.03000 |
| .596 | -1.010 | .43750 | .02840 | .42600 | .10350 | .03680 | -.03820 | -.01070 | .02360 | -.06000 | -.03000 |
| .596 | -.020 | .43600 | .02860 | .42540 | .10370 | .03540 | -.05520 | -.01330 | .02500 | -.06000 | -.03000 |
| .596 | .980 | .43690 | .02890 | .42530 | .10420 | .03580 | -.07230 | -.01560 | .02680 | -.06000 | -.03000 |
| .596 | 2.030 | .44080 | .02910 | .42900 | .10530 | .03480 | -.09110 | -.01810 | .02860 | -.06000 | -.03000 |
| .596 | 3.070 | .43990 | .02970 | .42800 | .10570 | .03400 | -.10980 | -.02110 | .03050 | -.06000 | -.03000 |
| .596 | 4.110 | .43860 | .02930 | .42680 | .10510 | .03270 | -.12920 | -.02410 | .03250 | -.06000 | -.03000 |
| .596 | 6.180 | .43770 | .02920 | .42600 | .10460 | .02740 | -.16960 | -.02750 | .03640 | -.06000 | -.03000 |
| .596 | 8.250 | .44700 | .02860 | .43520 | .10580 | .03000 | -.20430 | -.03050 | .03890 | -.06000 | -.03000 |
| | GRADIENT | -.00050 | .00036 | -.00058 | .00031 | -.00030 | -.01757 | -.00252 | .00168 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B234) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 473/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.200 | -6.210 | .55670 | .15120 | .52180 | .24590 | -.03420 | .06190 | .00100 | .01470 | -.06000 | -.03000 |
| 1.201 | -4.160 | .55720 | .15230 | .52220 | .24700 | -.03610 | .02730 | -.00300 | .01670 | -.06000 | -.03000 |
| 1.201 | -3.130 | .55450 | .15250 | .51960 | .24660 | -.03510 | .01030 | -.00480 | .01770 | -.06000 | -.03000 |
| 1.202 | -2.090 | .55050 | .15220 | .51580 | .24540 | -.03330 | -.00610 | -.00660 | .01860 | -.06000 | -.03000 |
| 1.201 | -1.040 | .54540 | .15180 | .51090 | .24400 | -.03200 | -.02250 | -.00920 | .01900 | -.06000 | -.03000 |
| 1.201 | -.040 | .54070 | .15200 | .50620 | .24330 | -.03170 | -.03720 | -.01130 | .01950 | -.06000 | -.03000 |
| 1.201 | .980 | .54350 | .15290 | .50860 | .24510 | -.03160 | -.05200 | -.01360 | .02000 | -.06000 | -.03000 |
| 1.202 | 2.060 | .54720 | .15400 | .51190 | .24700 | -.03170 | -.06880 | -.01560 | .02070 | -.06000 | -.03000 |
| 1.202 | 3.120 | .54640 | .15590 | .51090 | .24880 | -.03100 | -.08460 | -.01820 | .02100 | -.06000 | -.03000 |
| 1.201 | 4.180 | .54680 | .15810 | .51090 | .25100 | -.03170 | -.09950 | -.02100 | .02170 | -.06000 | -.03000 |
| 1.201 | 6.280 | .54340 | .15960 | .50730 | .25170 | -.02960 | -.13780 | -.02390 | .02410 | -.06000 | -.03000 |
| 1.203 | 8.390 | .54330 | .16090 | .50700 | .25320 | -.02520 | -.17490 | -.02800 | .02660 | -.06000 | -.03000 |
| | GRADIENT | -.00118 | .00061 | -.00130 | .00044 | .00054 | -.01518 | -.00216 | .00056 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B235) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 482/ 0 RN/L = 8.08 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.980 | -.17360 | .09630 | -.17020 | .10230 | .06660 | -.05540 | -.01280 | .02760 | -.06000 | -.03000 |
| .901 | -.020 | -.05640 | .09590 | -.05630 | .09590 | .05720 | -.05450 | -.01280 | .02690 | -.06000 | -.03000 |
| .900 | 2.040 | .06120 | .09410 | .05780 | .09620 | .04950 | -.05300 | -.01310 | .02590 | -.06000 | -.03000 |
| .901 | 3.950 | .16720 | .09220 | .16050 | .10350 | .04320 | -.05130 | -.01360 | .02510 | -.06000 | -.03000 |
| .901 | 5.910 | .26950 | .08980 | .25880 | .11700 | .03860 | -.04930 | -.01430 | .02380 | -.06000 | -.03000 |
| .902 | 7.920 | .36710 | .08760 | .35150 | .13730 | .03700 | -.04940 | -.01340 | .02350 | -.06000 | -.03000 |
| .900 | 10.020 | .47390 | .08540 | .45180 | .16650 | .03440 | -.05080 | -.01310 | .02380 | -.06000 | -.03000 |
| .903 | 11.970 | .56350 | .08660 | .53330 | .20150 | .03040 | -.05120 | -.01300 | .02350 | -.06000 | -.03000 |
| .900 | 13.890 | .65580 | .08720 | .61580 | .24200 | .02400 | -.05010 | -.01140 | .02290 | -.06000 | -.03000 |
| .902 | 16.040 | .77250 | .09120 | .71720 | .30110 | .01370 | -.04970 | -.01060 | .02140 | -.06000 | -.03000 |
| .901 | 17.970 | .86990 | .09070 | .79950 | .35460 | .01220 | -.05430 | -.01060 | .02240 | -.06000 | -.03000 |
| | GRADIENT | .05743 | -.00071 | .05573 | .00019 | -.00393 | .00069 | -.00014 | -.00043 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R28235) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 477/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -2.000 | -.18410 | .11860 | -.17990 | .12490 | .07980 | -.04860 | -.01470 | .02570 | -.06000 | -.03000 |
| .949 | -.010 | -.05900 | .11890 | -.05900 | .11890 | .06610 | -.04740 | -.01450 | .02510 | -.06000 | -.03000 |
| .949 | 1.990 | .06570 | .11780 | .06160 | .12000 | .04950 | -.04620 | -.01410 | .02440 | -.06000 | -.03000 |
| .949 | 3.990 | .19400 | .11440 | .18550 | .12760 | .03110 | -.04650 | -.01410 | .02420 | -.06000 | -.03000 |
| .950 | 5.980 | .31760 | .11260 | .30410 | .14500 | .01480 | -.04570 | -.01380 | .02400 | -.06000 | -.03000 |
| .950 | 7.920 | .42290 | .10820 | .40390 | .16540 | .00680 | -.04650 | -.01400 | .02410 | -.06000 | -.03000 |
| .951 | 9.940 | .53820 | .10540 | .51190 | .19670 | -.00300 | -.04600 | -.01350 | .02240 | -.06000 | -.03000 |
| .949 | 11.910 | .63560 | .10570 | .60010 | .23460 | -.00520 | -.04670 | -.01310 | .01960 | -.06000 | -.03000 |
| .951 | 13.940 | .73840 | .10800 | .69060 | .28280 | -.01150 | -.04970 | -.01010 | .01870 | -.06000 | -.03000 |
| .947 | 15.940 | .83870 | .10640 | .77720 | .33270 | -.01480 | -.04870 | -.01020 | .01710 | -.06000 | -.03000 |
| .951 | 17.950 | .96240 | .10860 | .88210 | .39990 | -.02380 | -.04150 | -.01230 | .02290 | -.06000 | -.03000 |
| | GRADIENT | .06304 | -.00069 | .06093 | .00046 | -.00815 | .00038 | .00011 | -.00026 | -.00000 | -.00000 |

RUN NO. 476/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -2.070 | -.19520 | .15920 | -.18930 | .16610 | .09970 | -.04770 | -.01450 | .02640 | -.06000 | -.03000 |
| 1.048 | .040 | -.05350 | .15830 | -.05370 | .15820 | .07620 | -.04670 | -.01450 | .02570 | -.06000 | -.03000 |
| 1.047 | 2.010 | .07820 | .15930 | .07260 | .16200 | .05240 | -.04580 | -.01440 | .02510 | -.06000 | -.03000 |
| 1.047 | 4.060 | .21320 | .15900 | .20150 | .17370 | .02720 | -.04540 | -.01430 | .02450 | -.06000 | -.03000 |
| 1.048 | 5.940 | .32830 | .15690 | .31030 | .19000 | .00820 | -.04480 | -.01440 | .02390 | -.06000 | -.03000 |
| 1.048 | 7.920 | .43960 | .15360 | .41430 | .21270 | -.00400 | -.04390 | -.01470 | .02340 | -.06000 | -.03000 |
| 1.048 | 9.980 | .55480 | .15030 | .52040 | .24420 | -.01280 | -.04550 | -.01420 | .02370 | -.06000 | -.03000 |
| 1.047 | 12.050 | .66680 | .14890 | .62100 | .28480 | -.01900 | -.04200 | -.01450 | .02250 | -.06000 | -.03000 |
| 1.046 | 13.960 | .77270 | .14900 | .71390 | .33100 | -.02550 | -.04350 | -.01370 | .02290 | -.06000 | -.03000 |
| 1.048 | 15.920 | .87690 | .14870 | .80250 | .38360 | -.03070 | -.04460 | -.01410 | .02290 | -.06000 | -.03000 |
| 1.049 | 17.920 | 1.00600 | .14690 | .91220 | .44840 | -.04770 | -.05060 | -.01070 | .02520 | -.06000 | -.03000 |
| | GRADIENT | .06665 | .00002 | .06379 | .00129 | -.01165 | .00038 | .00003 | -.00031 | -.00000 | -.00000 |

ARC 200-1 I1(LA77) OV101 (R2B236) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 483/ 0 RN/L = 8.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -1.930 | -.17580 | .09900 | -.17240 | .10490 | .06270 | -.15290 | -.01580 | .04320 | -.06000 | -.03000 |
| .901 | -.020 | -.06320 | .09920 | -.06320 | .09920 | .05390 | -.15080 | -.01760 | .04230 | -.06000 | -.03000 |
| .902 | 2.060 | .05790 | .09790 | .05440 | .09990 | .04500 | -.14830 | -.01910 | .04100 | -.06000 | -.03000 |
| .901 | 3.940 | .16620 | .09510 | .15930 | .10630 | .03620 | -.14730 | -.02000 | .03980 | -.06000 | -.03000 |
| .900 | 5.910 | .27100 | .09180 | .26020 | .11920 | .03300 | -.14530 | -.02190 | .03810 | -.06000 | -.03000 |
| .900 | 7.920 | .37140 | .08870 | .35560 | .13900 | .03300 | -.14410 | -.02250 | .03640 | -.06000 | -.03000 |
| .901 | 10.000 | .47170 | .08740 | .44930 | .16800 | .03080 | -.14060 | -.02430 | .03440 | -.06000 | -.03000 |
| .898 | 12.040 | .57460 | .08680 | .54380 | .20470 | .02710 | -.14050 | -.02400 | .03280 | -.06000 | -.03000 |
| .901 | 13.950 | .66440 | .08920 | .62330 | .24670 | .02110 | -.13890 | -.02310 | .02960 | -.06000 | -.03000 |
| .901 | 16.010 | .76350 | .08780 | .70970 | .29500 | .01450 | -.13710 | -.02070 | .02420 | -.06000 | -.03000 |
| .901 | 18.000 | .86880 | .08570 | .79970 | .35000 | .01120 | -.13550 | -.01860 | .01910 | -.06000 | -.03000 |
| | GRADIENT | .05826 | -.00066 | .05651 | .00024 | -.00449 | .00098 | -.00072 | -.00058 | .00000 | .00000 |

RUN NO. 478/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -2.050 | -.20330 | .12530 | -.19870 | .13250 | .08750 | -.14180 | -.01990 | .03940 | -.06000 | -.03000 |
| .949 | .000 | -.07150 | .12340 | -.07150 | .12340 | .07070 | -.14160 | -.02280 | .03940 | -.06000 | -.03000 |
| .949 | 2.010 | .05450 | .12290 | .05010 | .12470 | .05490 | -.13960 | -.02380 | .03890 | -.06000 | -.03000 |
| .949 | 3.990 | .17880 | .11920 | .17010 | .13140 | .03770 | -.13780 | -.02250 | .03790 | -.06000 | -.03000 |
| .951 | 5.980 | .30440 | .11710 | .29050 | .14820 | .02150 | -.13470 | -.02160 | .03670 | -.06000 | -.03000 |
| .951 | 7.930 | .42190 | .11350 | .40220 | .17050 | .00850 | -.13230 | -.02220 | .03560 | -.06000 | -.03000 |
| .950 | 9.910 | .53440 | .10960 | .50760 | .19990 | -.00120 | -.12600 | -.02400 | .03310 | -.06000 | -.03000 |
| .947 | 11.950 | .63500 | .10600 | .59930 | .23520 | -.00340 | -.12120 | -.02500 | .03080 | -.06000 | -.03000 |
| .949 | 13.980 | .74100 | .10760 | .69310 | .28340 | -.01140 | -.11840 | -.02350 | .02910 | -.06000 | -.03000 |
| .948 | 16.030 | .84990 | .10870 | .78680 | .33920 | -.01640 | -.11400 | -.02410 | .02590 | -.06000 | -.03000 |
| .952 | 18.000 | .96220 | .10980 | .88120 | .40170 | -.02370 | -.10070 | -.02580 | .02070 | -.06000 | -.03000 |
| | GRADIENT | .06321 | -.00093 | .06101 | -.00011 | -.00821 | .00069 | -.00044 | -.00025 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R28236) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 475/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -2.020 | -.19450 | .16610 | -.18860 | .17280 | .09660 | -.12460 | -.01950 | .03270 | -.06000 | -.03000 |
| 1.049 | .050 | -.05580 | .16460 | -.05590 | .16450 | .07300 | -.12130 | -.02300 | .03180 | -.06000 | -.03000 |
| 1.049 | 1.980 | .07210 | .16450 | .06630 | .16690 | .05170 | -.11850 | -.02410 | .03140 | -.06000 | -.03000 |
| 1.047 | 3.940 | .20060 | .16530 | .18880 | .17870 | .02960 | -.11720 | -.02400 | .03060 | -.06000 | -.03000 |
| 1.047 | 5.940 | .32570 | .16480 | .30690 | .19770 | .01030 | -.11660 | -.02360 | .03000 | -.06000 | -.03000 |
| 1.048 | 7.900 | .44040 | .16250 | .41390 | .22150 | -.00130 | -.11870 | -.02350 | .03050 | -.06000 | -.03000 |
| 1.046 | 10.010 | .55610 | .15970 | .51990 | .25390 | -.01000 | -.11750 | -.02440 | .03030 | -.06000 | -.03000 |
| 1.049 | 12.090 | .67320 | .15520 | .62580 | .29280 | -.01890 | -.11360 | -.02480 | .02760 | -.06000 | -.03000 |
| 1.046 | 14.030 | .77780 | .15260 | .71760 | .33650 | -.02580 | -.11790 | -.02400 | .02780 | -.06000 | -.03000 |
| 1.049 | 15.990 | .88990 | .14800 | .81470 | .38740 | -.03490 | -.12000 | -.02210 | .02660 | -.06000 | -.03000 |
| 1.048 | 17.990 | .99600 | .14490 | .90250 | .44550 | -.04230 | -.11770 | -.02020 | .02270 | -.06000 | -.03000 |
| | GRADIENT | .06629 | -.00013 | .06333 | .00099 | -.01122 | .00126 | -.00074 | -.00034 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28237) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 484/ 0 RN/L = 8.06 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .902 | -6.330 | .23460 | .08770 | .22610 | .10790 | .02990 | .08640 | -.00560 | .00590 | -.06000 | -.03000 |
| .900 | -4.260 | .22650 | .08760 | .21800 | .10690 | .03500 | .04070 | -.00870 | .01260 | -.06000 | -.03000 |
| .901 | -3.210 | .22660 | .08780 | .21820 | .10710 | .03600 | .01660 | -.01090 | .01650 | -.06000 | -.03000 |
| .900 | -2.150 | .22730 | .08970 | .21860 | .10910 | .03800 | -.00750 | -.01280 | .02050 | -.06000 | -.03000 |
| .900 | -1.100 | .22710 | .08960 | .21450 | .10950 | .03960 | -.02710 | -.01300 | .02160 | -.06000 | -.03000 |
| .901 | -.020 | .22280 | .09140 | .21400 | .11030 | .03910 | -.05050 | -.01430 | .02420 | -.06000 | -.03000 |
| .900 | 1.020 | .22320 | .09110 | .21450 | .11010 | .03870 | -.07330 | -.01540 | .02720 | -.06000 | -.03000 |
| .901 | 2.080 | .22480 | .09190 | .21600 | .11100 | .03720 | -.09810 | -.01730 | .03130 | -.06000 | -.03000 |
| .899 | 3.110 | .22400 | .09260 | .21520 | .11160 | .03630 | -.12280 | -.01950 | .03570 | -.06000 | -.03000 |
| .902 | 4.160 | .22210 | .09390 | .21310 | .11270 | .03320 | -.14590 | -.02080 | .03900 | -.06000 | -.03000 |
| .900 | 6.260 | .21310 | .09350 | .20430 | .11140 | .03210 | -.18650 | -.02040 | .04210 | -.06000 | -.03000 |
| .902 | 8.350 | .21610 | .09820 | .20680 | .11650 | .03570 | -.21810 | -.02000 | .04320 | -.06000 | -.03000 |
| | GRADIENT | -.00048 | .00072 | -.00054 | .00067 | -.00014 | -.02202 | -.00135 | .00301 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28237) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 479/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -6.330 | .25230 | .11110 | .24170 | .13270 | .02750 | .08040 | -.00290 | .00590 | -.06000 | -.03000 |
| .948 | -4.250 | .25330 | .11060 | .24280 | .13210 | .02300 | .03650 | -.00660 | .01300 | -.06000 | -.03000 |
| .951 | -3.200 | .25620 | .11360 | .24540 | .13530 | .02170 | .01200 | -.00890 | .01760 | -.06000 | -.03000 |
| .948 | -2.150 | .25500 | .11260 | .24430 | .13430 | .02350 | -.00810 | -.01100 | .02040 | -.06000 | -.03000 |
| .950 | -.030 | .25090 | .11350 | .24020 | .13460 | .02390 | -.04630 | -.01410 | .02410 | -.06000 | -.03000 |
| .949 | .990 | .25400 | .11600 | .24300 | .13750 | .02300 | -.06500 | -.01560 | .02600 | -.06000 | -.03000 |
| .951 | 2.070 | .25420 | .11750 | .24320 | .13890 | .02270 | -.08590 | -.01730 | .02860 | -.06000 | -.03000 |
| .951 | 3.090 | .25060 | .11880 | .23940 | .13990 | .02570 | -.10890 | -.01970 | .03260 | -.06000 | -.03000 |
| .950 | 4.140 | .24040 | .11920 | .22930 | .13940 | .02960 | -.13330 | -.02170 | .03700 | -.06000 | -.03000 |
| .948 | 6.250 | .23020 | .11990 | .21910 | .13920 | .03130 | -.17420 | -.02230 | .04020 | -.06000 | -.03000 |
| .949 | 8.340 | .22680 | .12270 | .21540 | .14170 | .03940 | -.20650 | -.02330 | .04120 | -.06000 | -.03000 |
| | GRADIENT | -.00110 | .00098 | -.00117 | .00086 | .00058 | -.01963 | -.00173 | .00256 | -.00000 | -.00000 |

RUN NO. 474/ 0 RN/L = 8.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -6.340 | .28200 | .15790 | .26700 | .18220 | .01340 | .06430 | -.00020 | .01330 | -.06000 | -.03000 |
| 1.048 | -4.260 | .27590 | .15680 | .26110 | .18030 | .01400 | .02370 | -.00560 | .01940 | -.06000 | -.03000 |
| 1.049 | -3.220 | .27580 | .15700 | .26100 | .18050 | .01420 | .00470 | -.00770 | .02120 | -.06000 | -.03000 |
| 1.047 | -2.160 | .27470 | .15730 | .25990 | .18070 | .01580 | -.01250 | -.00990 | .02260 | -.06000 | --.03000 |
| 1.049 | -1.110 | .27220 | .15800 | .25740 | .18110 | .01660 | -.02860 | -.01210 | .02350 | -.06000 | -.03000 |
| 1.049 | -.030 | .27050 | .15800 | .25570 | .18090 | .01710 | -.04590 | -.01440 | .02430 | -.06000 | -.03000 |
| 1.048 | .990 | .27250 | .16010 | .25740 | .18330 | .01640 | -.06270 | -.01640 | .02540 | -.06000 | -.03000 |
| 1.049 | 2.060 | .27250 | .16130 | .25740 | .18450 | .01640 | -.08070 | -.01870 | .02670 | -.06000 | -.03000 |
| 1.050 | 3.090 | .27200 | .16280 | .25670 | .18590 | .01700 | -.09770 | -.02130 | .02800 | -.06000 | -.03000 |
| 1.049 | 4.150 | .26930 | .16500 | .25390 | .18780 | .01780 | -.11600 | -.02400 | .02970 | -.06000 | -.03000 |
| 1.049 | 6.240 | .26820 | .16690 | .25260 | .18960 | .01740 | -.15920 | -.02800 | .03590 | -.06000 | -.03000 |
| 1.050 | 8.350 | .26900 | .16780 | .25330 | .19070 | .02350 | -.20320 | -.03220 | .04240 | -.06000 | -.03000 |
| | GRADIENT | -.00066 | .00095 | -.00074 | .00089 | .00039 | -.01642 | -.00216 | .00114 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B238) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 480/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.250 | .78650 | .09890 | .73540 | .29590 | -.01350 | .05450 | .00390 | .01660 | -.06000 | -.03000 |
| .950 | -4.180 | .79330 | .10340 | .74060 | .30250 | -.01880 | .02030 | -.00080 | .01680 | -.06000 | -.03000 |
| .951 | -3.140 | .79210 | .10500 | .73910 | .30390 | -.01880 | .00260 | -.00330 | .01740 | -.06000 | -.03000 |
| .950 | -2.090 | .78540 | .10590 | .73240 | .30260 | -.01660 | -.01490 | -.00570 | .01750 | -.06000 | -.03000 |
| .948 | -1.040 | .78120 | .10660 | .72820 | .30220 | -.01450 | -.03070 | -.00830 | .01740 | -.06000 | -.03000 |
| .949 | .030 | .78630 | .10870 | .73250 | .30580 | -.01630 | -.04720 | -.01020 | .01670 | -.06000 | -.03000 |
| .950 | 1.060 | .77840 | .10870 | .72500 | .30360 | -.01280 | -.06790 | -.01210 | .01880 | -.06000 | -.03000 |
| .950 | 2.080 | .78050 | .10970 | .72660 | .30520 | -.01350 | -.08190 | -.01600 | .02450 | -.06000 | -.03000 |
| .950 | 3.110 | .78680 | .11020 | .73260 | .30740 | -.01560 | -.09530 | -.01980 | .02720 | -.06000 | -.03000 |
| .950 | 4.180 | .77900 | .10750 | .72580 | .30280 | -.01420 | -.11240 | -.02370 | .02680 | -.06000 | -.03000 |
| .950 | 6.300 | .77510 | .10700 | .72220 | .30130 | -.01020 | -.14990 | -.02620 | .02660 | -.06000 | -.03000 |
| .950 | 8.410 | .78610 | .10750 | .73250 | .30500 | -.00530 | -.17960 | -.02880 | .02440 | -.06000 | -.03000 |
| | GRADIENT | -.00137 | .00067 | -.00150 | .00030 | .00057 | -.01590 | -.00264 | .00135 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R2B239) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 481/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.250 | .79050 | .09980 | .73890 | .29810 | -.01480 | .05440 | .00400 | .01640 | -.06000 | -.03000 |
| .949 | -4.250 | .77890 | .10190 | .72730 | .29680 | -.01520 | .02610 | -.00410 | .02610 | -.06000 | -.03000 |
| .950 | -3.200 | .78800 | .10520 | .73520 | .30250 | -.01780 | .00890 | -.00610 | .02580 | -.06000 | -.03000 |
| .951 | -2.160 | .79170 | .10780 | .73810 | .30600 | -.01860 | -.00620 | -.00830 | .02550 | -.06000 | -.03000 |
| .948 | -1.110 | .77840 | .10680 | .72550 | .30150 | -.01410 | -.02220 | -.01050 | .02460 | -.06000 | -.03000 |
| .951 | -.050 | .78480 | .10840 | .73110 | .30530 | -.01610 | -.03770 | -.01270 | .02420 | -.06000 | -.03000 |
| .948 | 1.000 | .78790 | .10980 | .73370 | .30770 | -.01540 | -.05730 | -.01500 | .02540 | -.06000 | -.03000 |
| .950 | 2.080 | .77800 | .10860 | .72440 | .30390 | -.01220 | -.07920 | -.01690 | .02690 | -.06000 | -.03000 |
| .950 | 3.[illegible]40 | .80350 | .11290 | .74770 | .31500 | -.02120 | -.09420 | -.02040 | .02620 | -.06000 | -.03000 |
| .950 | 4.2[illegible]0 | .79920 | .11090 | .74410 | .31190 | -.02000 | -.11250 | -.02360 | .02710 | -.06000 | -.03000 |
| .950 | 6.340 | .78850 | .10900 | .73440 | .30700 | -.01380 | -.15040 | -.02620 | .02660 | -.06000 | -.03000 |
| .950 | 8.420 | .78440 | .10690 | .73100 | .30390 | -.00470 | -.18000 | -.02870 | .02430 | -.06000 | -.03000 |
| | GRADIENT | .00173 | .00100 | .00135 | .00157 | -.00028 | -.01647 | -.00225 | .00014 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R28240) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 502/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.980 | -.15320 | .07960 | -.15030 | .08490 | .05170 | -.06860 | -.01680 | .03230 | -.06000 | -.03000 |
| .595 | -.040 | -.06270 | .08010 | -.06270 | .08020 | .05020 | -.06760 | -.01650 | .03180 | -.06000 | -.03000 |
| .596 | 1.950 | .02960 | .07700 | .02720 | .07790 | .05030 | -.06660 | -.01620 | .03130 | -.06000 | -.03000 |
| .595 | 3.950 | .12570 | .07050 | .12060 | .07900 | .04920 | -.06490 | -.01590 | .03080 | -.06000 | -.03000 |
| .596 | 5.940 | .22270 | .06100 | .21520 | .08380 | .04690 | -.06400 | -.01560 | .03020 | -.06000 | -.03000 |
| .596 | 7.920 | .32390 | .04870 | .31410 | .09290 | .04380 | -.06410 | -.01540 | .02960 | -.06000 | -.03000 |
| .595 | 9.950 | .43410 | .03420 | .42170 | .10870 | .04150 | -.06430 | -.01540 | .02930 | -.06000 | -.03000 |
| .596 | 10.970 | .48610 | .02680 | .47210 | .11880 | .04220 | -.06370 | -.01530 | .02900 | -.06000 | -.03000 |
| .595 | 11.940 | .53700 | .02020 | .52120 | .13080 | .04330 | -.06340 | -.01530 | .02890 | -.06000 | -.03000 |
| .595 | 13.970 | .65210 | .01600 | .62890 | .17290 | .03860 | -.06670 | -.01340 | .03080 | -.06000 | -.03000 |
| .595 | 15.960 | .76260 | .02020 | .72770 | .22900 | .03290 | -.06400 | -.01400 | .02850 | -.06000 | -.03000 |
| .595 | 17.960 | .88620 | .02500 | .83540 | .29700 | .02290 | -.06600 | -.01260 | .02930 | -.06000 | -.03000 |
| | GRADIENT | .04698 | -.00154 | .04563 | -.00101 | -.00037 | .00061 | .00015 | -.00025 | .00000 | .00000 |

RUN NO. 488/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.970 | -.15730 | .17470 | -.15120 | .18000 | .09260 | -.04920 | -.01460 | .02680 | -.06000 | -.03000 |
| 1.198 | -.010 | -.02970 | .17360 | -.02970 | .17360 | .06290 | -.04710 | -.01440 | .02630 | -.06000 | -.03000 |
| 1.198 | 1.960 | .09020 | .17220 | .08430 | .17510 | .03690 | -.04700 | -.01420 | .02550 | -.06000 | -.03000 |
| 1.198 | 3.960 | .20870 | .17050 | .19650 | .18450 | .01450 | -.04610 | -.01410 | .02480 | -.06000 | -.03000 |
| 1.197 | 5.950 | .32470 | .16800 | .30560 | .20070 | -.00500 | -.04520 | -.01400 | .02420 | -.06000 | -.03000 |
| 1.197 | 7.930 | .43370 | .16410 | .40690 | .22240 | -.01820 | -.04430 | -.01400 | .02350 | -.06000 | -.03000 |
| 1.197 | 9.940 | .53740 | .15850 | .50200 | .24890 | -.02390 | -.04460 | -.01340 | .02320 | -.06000 | -.03000 |
| 1.197 | 11.940 | .65160 | .15500 | .60540 | .28650 | -.03290 | -.04240 | -.01380 | .02190 | -.06000 | -.03000 |
| 1.198 | 13.930 | .76330 | .15410 | .70370 | .33340 | -.04250 | -.04250 | -.01340 | .02220 | -.06000 | -.03000 |
| 1.197 | 15.940 | .87130 | .15470 | .79530 | .38800 | -.05080 | -.04390 | -.01330 | .02250 | -.06000 | -.03000 |
| 1.197 | 17.940 | .97890 | .15390 | .88390 | .44790 | -.05920 | -.04460 | -.01300 | .02260 | -.06000 | -.03000 |
| | GRADIENT | .08783 | -.00077 | .08685 | .00077 | -.01017 | .00048 | .00009 | -.00034 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 (R2B241) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 503/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -2.010 | -.15160 | .07820 | -.14880 | .08350 | .04610 | -.15120 | -.02110 | .04260 | -.06000 | -.03000 |
| .595 | .000 | -.05800 | .07940 | -.05800 | .07940 | .04440 | -.15010 | -.02190 | .04190 | -.06000 | -.03000 |
| .595 | 1.980 | .03470 | .07680 | .03210 | .07800 | .04360 | -.14790 | -.02250 | .04090 | -.06000 | -.03000 |
| .595 | 3.930 | .12760 | .07130 | .12240 | .07980 | .04260 | -.14570 | -.02300 | .03940 | -.06000 | -.03000 |
| .595 | 5.970 | .22930 | .06190 | .22170 | .08540 | .04070 | -.14410 | -.02350 | .03850 | -.06000 | -.03000 |
| .594 | 7.930 | .33190 | .04980 | .32190 | .09510 | .03830 | -.14410 | -.02480 | .03830 | -.06000 | -.03000 |
| .595 | 9.940 | .43620 | .03460 | .42370 | .10940 | .03760 | -.14150 | -.02710 | .03800 | -.06000 | -.03000 |
| .595 | 10.990 | .49380 | .02700 | .47960 | .12070 | .03710 | -.14090 | -.02860 | .03800 | -.06000 | -.03000 |
| .595 | 12.000 | .54900 | .02010 | .53280 | .13380 | .03630 | -.14010 | -.02890 | .03750 | -.06000 | -.03000 |
| .595 | 14.000 | .66220 | .01770 | .63820 | .17740 | .02970 | -.14230 | -.02450 | .03860 | -.06000 | -.03000 |
| .595 | 16.000 | .77240 | .02040 | .73690 | .23270 | .02570 | -.14200 | -.02320 | .03780 | -.06000 | -.03000 |
| .594 | 17.990 | .87570 | .01970 | .82680 | .28910 | .02470 | -.14420 | -.02330 | .03830 | -.06000 | -.03000 |
| | GRADIENT | .04698 | -.00117 | .04564 | -.00064 | -.00057 | .00094 | -.00032 | -.00053 | -.00000 | -.00000 |

RUN NO. 489/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -1.980 | -.16160 | .17900 | -.15530 | .18450 | .09240 | -.12210 | -.02040 | .03230 | -.06000 | -.03000 |
| 1.198 | .020 | -.03460 | .17880 | -.03460 | .17880 | .06310 | -.11970 | -.02080 | .03080 | -.06000 | -.03000 |
| 1.196 | 1.970 | .08500 | .17690 | .07880 | .17970 | .03780 | -.11700 | -.02120 | .02970 | -.06000 | -.03000 |
| 1.196 | 3.980 | .20490 | .17380 | .19240 | .18760 | .01540 | -.11350 | -.02150 | .02790 | -.06000 | -.03000 |
| 1.196 | 5.930 | .31940 | .17120 | .30000 | .20320 | -.00250 | -.11020 | -.02190 | .02620 | -.06000 | -.03000 |
| 1.197 | 7.930 | .43220 | .16860 | .40480 | .22660 | -.01540 | -.11100 | -.02170 | .02660 | -.06000 | -.03000 |
| 1.195 | 9.990 | .54640 | .16430 | .50960 | .25660 | -.02460 | -.10900 | -.02320 | .02510 | -.06000 | -.03000 |
| 1.196 | 11.990 | .65320 | .16200 | .60530 | .29410 | -.03180 | -.11140 | -.02210 | .02500 | -.06000 | -.03000 |
| 1.195 | 13.980 | .77080 | .15940 | .70940 | .34080 | -.04510 | -.11210 | -.01930 | .02390 | -.06000 | -.03000 |
| 1.198 | 15.980 | .87560 | .15640 | .79870 | .39140 | -.05280 | -.11070 | -.01880 | .02130 | -.06000 | -.03000 |
| 1.195 | 17.970 | .97280 | .15240 | .87830 | .44520 | -.05560 | -.10950 | -.01950 | .01820 | -.06000 | -.03000 |
| | GRADIENT | .06148 | -.00088 | .05832 | .00052 | -.01292 | .00144 | -.00019 | -.00072 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B242) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 504/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -6.080 | .44820 | .03170 | .43590 | .10900 | .03790 | .04090 | -.00130 | .01990 | -.06000 | -.03000 |
| .595 | -4.060 | .44160 | .03240 | .42930 | .10840 | .04030 | .00400 | -.00650 | .02450 | -.06000 | -.03000 |
| .595 | -3.050 | .43870 | .03320 | .42630 | .10860 | .04130 | -.01380 | -.00840 | .02560 | -.06000 | -.03000 |
| .595 | -2.040 | .43730 | .03360 | .42490 | .10870 | .04190 | -.03070 | -.01040 | .02700 | -.06000 | -.03000 |
| .595 | -1.010 | .43500 | .03400 | .42270 | .10850 | .04170 | -.04850 | -.01310 | .02800 | -.06000 | -.03000 |
| .596 | -.020 | .43320 | .03440 | .42080 | .10860 | .04120 | -.06500 | -.01550 | .02930 | -.06000 | -.03000 |
| .595 | .960 | .43380 | .03460 | .42130 | .10890 | .04050 | -.08090 | -.01780 | .03090 | -.06000 | -.03000 |
| .595 | 2.030 | .43710 | .03490 | .42440 | .11020 | .03940 | -.10120 | -.02050 | .03320 | -.06000 | -.03000 |
| .595 | 3.070 | .43840 | .03500 | .42570 | .11050 | .03900 | -.12070 | -.02380 | .03560 | -.06000 | -.03000 |
| .596 | 4.110 | .43400 | .03490 | .42140 | .10950 | .03720 | -.14040 | -.02680 | .03780 | -.06000 | -.03000 |
| .595 | 6.160 | .43560 | .03410 | .42310 | .10890 | .03170 | -.18000 | -.03010 | .04140 | -.06000 | -.03000 |
| .595 | 8.250 | .44230 | .03420 | .42970 | .11030 | .03590 | -.20510 | -.02980 | .03940 | -.06000 | -.03000 |
| | GRADIENT | -.00053 | .00030 | -.00058 | .00022 | -.00042 | -.01753 | -.00249 | .00161 | -.00000 | -.00000 |

RUN NO. 490/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -6.210 | .55180 | .15710 | .51610 | .25070 | -.02660 | .05440 | -.00140 | .01830 | -.06000 | -.03000 |
| 1.197 | -4.160 | .55320 | .15850 | .51720 | .25220 | -.02840 | .02030 | -.00510 | .02040 | -.06000 | -.03000 |
| 1.198 | -3.130 | .55140 | .15870 | .51550 | .25200 | -.02750 | .00250 | -.00710 | .02120 | -.06000 | -.03000 |
| 1.198 | -2.090 | .54690 | .15860 | .51120 | .25100 | -.02580 | -.01320 | -.00890 | .02190 | -.06000 | -.03000 |
| 1.198 | -1.040 | .54230 | .15800 | .50680 | .24940 | -.02510 | -.02910 | -.01110 | .02260 | -.06000 | -.03000 |
| 1.197 | -.040 | .53770 | .15810 | .50230 | .24850 | -.02430 | -.04450 | -.01330 | .02290 | -.06000 | -.03000 |
| 1.198 | .980 | .54040 | .15910 | .50460 | .25040 | -.02420 | -.05910 | -.01540 | .02340 | -.06000 | -.03000 |
| 1.198 | 2.050 | .54420 | .16040 | .50800 | .25260 | -.02480 | -.07580 | -.01740 | .02430 | -.06000 | -.03000 |
| 1.197 | 3.100 | .54360 | .16210 | .50710 | .25420 | -.02410 | -.09160 | -.02020 | .02460 | -.06000 | -.03000 |
| 1.198 | 4.170 | .54340 | .16400 | .50660 | .25600 | -.02510 | -.10660 | -.02290 | .02500 | -.06000 | -.03000 |
| 1.198 | 6.250 | .54010 | .16490 | .50320 | .25620 | -.02260 | -.14420 | -.02580 | .02730 | -.06000 | -.03000 |
| 1.199 | 8.370 | .54080 | .16640 | .50360 | .25800 | -.01830 | -.18050 | -.02980 | .02940 | -.06000 | -.03000 |
| | GRADIENT | -.00112 | .00059 | -.00122 | .00042 | .00042 | -.01517 | -.00212 | .00055 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OVIC1 (R28243) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 499/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -2.010 | -.18090 | .10070 | -.17730 | .10700 | .07390 | -.06290 | -.01440 | .03100 | -.06000 | -.03000 |
| .898 | -.030 | -.06360 | .10070 | -.06360 | .10070 | .06500 | -.06150 | -.01440 | .03030 | -.06000 | -.03000 |
| .896 | 1.960 | .04770 | .09800 | .04430 | .09960 | .05850 | -.06020 | -.01460 | .02910 | -.06000 | -.03000 |
| .898 | 3.950 | .16010 | .09610 | .15310 | .10690 | .05030 | -.05810 | -.01560 | .02800 | -.06000 | -.03000 |
| .898 | 5.930 | .26160 | .09380 | .25060 | .12030 | .04660 | -.05640 | -.01580 | .02710 | -.06000 | -.03000 |
| .897 | 7.950 | .36230 | .09190 | .34610 | .14120 | .04390 | -.05710 | -.01450 | .02700 | -.06000 | -.03000 |
| .898 | 9.940 | .46320 | .09000 | .44070 | .16860 | .04160 | -.05750 | -.01520 | .02700 | -.06000 | -.03000 |
| .897 | 11.910 | .55490 | .09060 | .52420 | .20310 | .03790 | -.05920 | -.01460 | .02740 | -.06000 | -.03000 |
| .897 | 13.980 | .65420 | .09110 | .61280 | .24640 | .03090 | -.05690 | -.01260 | .02590 | -.06000 | -.03000 |
| .897 | 15.950 | .75810 | .09350 | .70320 | .29810 | .02140 | -.05950 | -.01170 | .02570 | -.06000 | -.03000 |
| .898 | 17.920 | .86070 | .09430 | .78990 | .35460 | .01880 | -.06180 | -.01200 | .02610 | -.06000 | -.03000 |
| | GRADIENT | .05709 | -.00083 | .05531 | -.00007 | -.00389 | .00079 | -.00019 | -.00051 | .00000 | .00000 |

RUN NO. 494/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -2.000 | -.18490 | .12400 | -.18050 | .13030 | .08420 | -.05540 | -.01640 | .02880 | -.06000 | -.03000 |
| .948 | -.030 | -.06090 | .12300 | -.06080 | .12310 | .06910 | -.05460 | -.01640 | .02830 | -.06000 | -.03000 |
| .947 | 1.960 | .06550 | .12110 | .06130 | .12330 | .05210 | -.05440 | -.01610 | .02780 | -.06000 | -.03000 |
| .949 | 3.960 | .19030 | .11980 | .18160 | .13270 | .03650 | -.05320 | -.01570 | .02720 | -.06000 | -.03000 |
| .948 | 5.950 | .31350 | .11820 | .29950 | .15010 | .02080 | -.05240 | -.01580 | .02700 | -.06000 | -.03000 |
| .947 | 7.910 | .42370 | .11320 | .40410 | .17040 | .01150 | -.05330 | -.01520 | .02660 | -.06000 | -.03000 |
| .947 | 9.930 | .53140 | .10970 | .50460 | .19970 | .00560 | -.05100 | -.01540 | .02650 | -.06000 | -.03000 |
| .946 | 11.950 | .62790 | .10970 | .59160 | .23730 | .00460 | -.04930 | -.01570 | .02840 | -.06000 | -.03000 |
| .949 | 13.950 | .73120 | .11210 | .68260 | .28510 | -.00200 | -.04860 | -.01370 | .02860 | -.06000 | -.03000 |
| .948 | 15.940 | .83730 | .11230 | .77420 | .33800 | -.01010 | -.04550 | -.01480 | .02830 | -.06000 | -.03000 |
| .948 | 17.930 | .95260 | .11230 | .87180 | .40010 | -.01610 | -.04300 | -.01530 | .02920 | -.06000 | -.03000 |
| | GRADIENT | .06301 | -.00073 | .06081 | .00038 | -.00806 | .00034 | .00012 | -.00027 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R28243) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 491/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.960 | -.19070 | .16630 | -.18490 | .17270 | .10570 | -.05630 | -.01690 | .03060 | -.06000 | -.03000 |
| 1.047 | -.010 | -.05860 | .16540 | -.05850 | .16540 | .08320 | -.05530 | -.01680 | .02980 | -.06000 | -.03000 |
| 1.048 | 2.010 | .07590 | .16580 | .07000 | .16840 | .05880 | -.05450 | -.01670 | .02900 | -.06000 | -.03000 |
| 1.047 | 4.000 | .20590 | .16500 | .19390 | .17900 | .03420 | -.05370 | -.01680 | .02850 | -.06000 | -.03000 |
| 1.047 | 6.000 | .32960 | .16340 | .31070 | .19700 | .01380 | -.05280 | -.01690 | .02760 | -.06000 | -.03000 |
| 1.048 | 7.910 | .43510 | .16010 | .40890 | .21850 | .00330 | -.05330 | -.01670 | .02770 | -.06000 | -.03000 |
| 1.046 | 9.930 | .54870 | .15780 | .51320 | .25010 | -.00580 | -.05340 | -.01650 | .02750 | -.06000 | -.03000 |
| 1.049 | 11.930 | .65920 | .15470 | .61300 | .28760 | -.01380 | -.04970 | -.01630 | .02590 | -.06000 | -.03000 |
| 1.045 | 13.920 | .76870 | .15490 | .70890 | .33530 | -.01910 | -.05140 | -.01580 | .02630 | -.06000 | -.03000 |
| 1.047 | 15.960 | .87700 | .15390 | .80090 | .38910 | -.02430 | -.05130 | -.01630 | .02630 | -.06000 | -.03000 |
| 1.048 | 17.940 | 1.00870 | .15080 | .91320 | .45420 | -.04400 | -.05800 | -.01220 | .02860 | -.06000 | -.03000 |
| | GRADIENT | .06655 | -.00018 | .06356 | .00111 | -.01201 | .00043 | .00002 | -.00036 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B244) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 500/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.990 | -.18370 | .10410 | -.18000 | .11040 | .06890 | -.15850 | -.01670 | .04570 | -.06000 | -.03000 |
| .898 | -.020 | -.06780 | .10440 | -.06770 | .10440 | .06030 | -.15800 | -.01880 | .04520 | -.06000 | -.03000 |
| .898 | 1.970 | .04620 | .10200 | .04270 | .10350 | .05270 | -.15610 | -.02040 | .04430 | -.06000 | -.03000 |
| .899 | 3.940 | .15810 | .09920 | .15090 | .10990 | .04460 | -.15370 | -.02160 | .04300 | -.06000 | -.03000 |
| .898 | 5.980 | .26450 | .09590 | .25310 | .12290 | .04170 | -.15110 | -.02330 | .04080 | -.06000 | -.03000 |
| .898 | 7.980 | .36800 | .09420 | .35140 | .14450 | .04040 | -.15080 | -.02460 | .03930 | -.06000 | -.03000 |
| .895 | 9.930 | .46180 | .09240 | .43890 | .17070 | .03870 | -.14780 | -.02580 | .03810 | -.06000 | -.03000 |
| .896 | 11.980 | .55870 | .09080 | .52760 | .20480 | .03630 | -.14870 | -.02620 | .03690 | -.06000 | -.03000 |
| .897 | 14.030 | .66330 | .09370 | .62080 | .25170 | .02820 | -.14860 | -.02430 | .03360 | -.06000 | -.03000 |
| .898 | 16.020 | .76240 | .09370 | .70690 | .30050 | .02130 | -.14600 | -.02230 | .02810 | -.06000 | -.03000 |
| .900 | 17.970 | .86540 | .09110 | .79500 | .35370 | .01800 | -.14280 | -.01990 | .02230 | -.06000 | -.03000 |
| | GRADIENT | .05760 | -.00086 | .05577 | -.00012 | -.00407 | .00082 | -.00082 | -.00046 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (R2B244) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 495/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -2.000 | -.20370 | .12910 | -.19900 | .13610 | .09150 | -.14840 | -.02050 | .04230 | -.06000 | -.03000 |
| .949 | -.020 | -.07760 | .12960 | -.07760 | .12970 | .07770 | -.14700 | -.02360 | .04220 | -.06000 | -.03000 |
| .947 | 1.980 | .04890 | .12760 | .04440 | .12930 | .06120 | -.14650 | -.02460 | .04220 | -.06000 | -.03000 |
| .949 | 3.960 | .17350 | .12420 | .16450 | .13590 | .04470 | -.14470 | -.02360 | .04150 | -.06000 | -.03000 |
| .947 | 5.950 | .29670 | .12040 | .28260 | .15050 | .02890 | -.14340 | -.02270 | .04090 | -.06000 | -.03000 |
| .948 | 7.940 | .41310 | .11650 | .39310 | .17250 | .01880 | -.14210 | -.02340 | .04010 | -.06000 | -.03000 |
| .947 | 9.960 | .52230 | .11240 | .49500 | .20100 | .01120 | -.13320 | -.02590 | .03690 | -.06000 | -.03000 |
| .946 | 11.950 | .63030 | .11080 | .59370 | .23890 | .00380 | -.12630 | -.02620 | .03380 | -.06000 | -.03000 |
| .949 | 13.970 | .72950 | .11030 | .68130 | .28320 | -.00140 | -.12280 | -.02490 | .03130 | -.06000 | -.03000 |
| .946 | 15.970 | .83180 | .11100 | .76920 | .33550 | -.00550 | -.11940 | -.02520 | .02850 | -.06000 | -.03000 |
| .947 | 18.000 | .94520 | .11080 | .86480 | .39740 | -.01200 | -.10830 | -.02670 | .02430 | -.06000 | -.03000 |
| | GRADIENT | .06328 | -.00094 | .06099 | -.00005 | -.00789 | .00058 | -.00052 | -.00012 | -.00000 | -.00000 |

RUN NO. 492/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -2.000 | -.19510 | .17380 | -.18890 | .18050 | .10270 | -.13250 | -.02210 | .03740 | -.06000 | -.03000 |
| 1.048 | .020 | -.05990 | .17150 | -.05990 | .17150 | .08000 | -.12940 | -.02540 | .03590 | -.06000 | -.03000 |
| 1.047 | 1.990 | .06980 | .17210 | .06380 | .17440 | .05850 | -.12830 | -.02650 | .03580 | -.06000 | -.03000 |
| 1.050 | 3.960 | .20060 | .17120 | .18830 | .18460 | .03470 | -.12550 | -.02630 | .03410 | -.06000 | -.03000 |
| 1.050 | 5.970 | .32570 | .17010 | .30630 | .20300 | .01550 | -.12390 | -.02570 | .03350 | -.06000 | -.03000 |
| 1.046 | 7.910 | .43730 | .16830 | .41000 | .22690 | .00590 | -.12740 | -.02540 | .03500 | -.06000 | -.03000 |
| 1.047 | 9.920 | .54900 | .16440 | .51250 | .25650 | -.00410 | -.12440 | -.02620 | .03320 | -.06000 | -.03000 |
| 1.048 | 11.980 | .66430 | .16060 | .61640 | .29500 | -.01240 | -.12010 | -.02640 | .03090 | -.06000 | -.03000 |
| 1.046 | 13.990 | .77370 | .15790 | .71260 | .34030 | -.01960 | -.12350 | -.02570 | .03050 | -.06000 | -.03000 |
| 1.046 | 15.990 | .88380 | .15420 | .80710 | .39170 | -.02660 | -.12720 | -.02410 | .02950 | -.06000 | -.03000 |
| 1.048 | 17.990 | .99280 | .15050 | .89780 | .44970 | -.03550 | -.12320 | -.02170 | .02530 | -.06000 | -.03000 |
| | GRADIENT | .06634 | -.00036 | .06324 | .00075 | -.01136 | .00111 | -.00069 | -.00050 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B245) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 501/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.330 | .22770 | .09020 | .21890 | .10980 | .03720 | .07850 | -.00750 | .00980 | -.06000 | -.03000 |
| .899 | -4.250 | .22210 | .09280 | .21320 | .11170 | .04200 | .03280 | -.01080 | .01670 | -.06000 | -.03000 |
| .899 | -3.210 | .21900 | .09230 | .21020 | .11150 | .04380 | .00890 | -.01270 | .02020 | -.06000 | -.03000 |
| .898 | -2.150 | .21800 | .09420 | .20910 | .11270 | .04600 | -.01310 | -.01390 | .02290 | -.06000 | -.03000 |
| .898 | -1.100 | .21600 | .09490 | .20700 | .11320 | .04690 | -.03490 | -.01500 | .02510 | -.06000 | -.03000 |
| .899 | -.020 | .21450 | .09620 | .20540 | .11440 | .04690 | -.05760 | -.01610 | .02750 | -.06000 | -.03000 |
| .899 | 1.000 | .21610 | .09670 | .20690 | .11510 | .04620 | -.07950 | -.01740 | .03010 | -.06000 | -.03000 |
| .897 | 2.070 | .21590 | .09720 | .20670 | .11550 | .04490 | -.10440 | -.01890 | .03400 | -.06000 | -.03000 |
| .898 | 3.100 | .21790 | .09860 | .20850 | .11710 | .04320 | -.12930 | -.02100 | .03840 | -.06000 | -.03000 |
| .899 | 4.160 | .21700 | .09950 | .20750 | .11790 | .04150 | -.15330 | -.02270 | .04230 | -.06000 | -.03000 |
| .898 | 6.230 | .20900 | .09940 | .19970 | .11690 | .03910 | -.19150 | -.02140 | .04450 | -.06000 | -.03000 |
| .899 | 8.340 | .20990 | .10200 | .20030 | .11970 | .04180 | -.22290 | -.02070 | .04530 | -.06000 | -.03000 |
| | GRADIENT | -.00044 | .00082 | -.00052 | .00078 | -.00011 | -.02196 | -.00134 | .00292 | .00000 | .00000 |

RUN NO. 496/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.320 | .24940 | .11300 | .23860 | .13440 | .03240 | .07730 | -.00440 | .00720 | -.06000 | -.03000 |
| .946 | -4.240 | .25160 | .11360 | .24070 | .13510 | .02890 | .03230 | -.00890 | .01490 | -.06000 | -.03000 |
| .948 | -3.210 | .25520 | .11700 | .24410 | .13870 | .02780 | .00670 | -.01080 | .02010 | -.06000 | -.03000 |
| .948 | -2.150 | .25380 | .11560 | .24280 | .13720 | .02790 | -.01280 | -.01240 | .02250 | -.06000 | -.03000 |
| .946 | -1.100 | .25130 | .11450 | .24040 | .13580 | .02830 | -.03250 | -.01380 | .02470 | -.06000 | -.03000 |
| .946 | -.030 | .25250 | .11840 | .24130 | .13980 | .02860 | -.05300 | -.01580 | .02710 | -.06000 | -.03000 |
| .949 | .990 | .25440 | .12130 | .24280 | .14300 | .02770 | -.07140 | -.01730 | .02900 | -.06000 | -.03000 |
| .946 | 2.060 | .24870 | .11960 | .23740 | .14070 | .03040 | -.09820 | -.01860 | .03380 | -.06000 | -.03000 |
| .947 | 3.090 | .24640 | .12280 | .23480 | .14370 | .03290 | -.11950 | -.02060 | .03700 | -.06000 | -.03000 |
| .947 | 4.140 | .23480 | .12270 | .22330 | .14250 | .03760 | -.14450 | -.02260 | .04130 | -.06000 | -.03000 |
| .947 | 6.240 | .22890 | .12670 | .21710 | .14600 | .03860 | -.18100 | -.02340 | .04270 | -.06000 | -.03000 |
| .948 | 8.330 | .22250 | .12690 | .21070 | .14570 | .04570 | -.21120 | -.02370 | .04330 | -.06000 | -.03000 |
| | GRADIENT | -.00160 | .00109 | -.00168 | .00097 | .00086 | -.02059 | -.00159 | .00291 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R2B245) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 493/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -6.350 | .27940 | .16460 | .26390 | .18860 | .01920 | .05410 | -.00270 | .01860 | -.06000 | -.03000 |
| 1.047 | -4.260 | .27210 | .16340 | .25680 | .18650 | .02150 | .01530 | -.00820 | .02350 | -.06000 | -.03000 |
| 1.047 | -3.220 | .27200 | .16330 | .25670 | .18630 | .02150 | -.00360 | -.01030 | .02530 | -.06000 | -.03000 |
| 1.047 | -2.170 | .27050 | .16330 | .25530 | .18620 | .02240 | -.01980 | -.01230 | .02660 | -.06000 | -.03000 |
| 1.049 | -1.120 | .26900 | .16430 | .25380 | .18700 | .02280 | -.03580 | -.01440 | .02720 | -.06000 | -.03000 |
| 1.047 | -.040 | .26710 | .16420 | .25180 | .18680 | .02350 | -.05320 | -.01660 | .02830 | -.06000 | -.03000 |
| 1.047 | .980 | .26880 | .16600 | .25330 | .18880 | .02340 | -.07040 | -.01870 | .02920 | -.06000 | -.03000 |
| 1.047 | 2.060 | .27020 | .16750 | .25460 | .19040 | .02320 | -.08780 | -.02090 | .03050 | -.06000 | -.03000 |
| 1.048 | 3.080 | .26800 | .16910 | .25230 | .19180 | .02420 | -.10520 | -.02350 | .03200 | -.06000 | -.03000 |
| 1.049 | 4.150 | .26680 | .17060 | .25090 | .19320 | .02410 | -.12360 | -.02610 | .03350 | -.06000 | -.03000 |
| 1.047 | 6.230 | .26290 | .17310 | .24690 | .19530 | .02510 | -.16830 | -.02970 | .04060 | -.06000 | -.03000 |
| 1.048 | 8.330 | .26280 | .17260 | .24670 | .19490 | .03100 | -.20870 | -.03300 | .04490 | -.06000 | -.03000 |
| | GRADIENT | -.00054 | .00089 | -.00061 | .00085 | .00033 | -.01634 | -.00210 | .00111 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (R28246) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 497/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.250 | .79680 | .10310 | .74330 | .30490 | -.00860 | .05100 | .00290 | .01860 | -.06000 | -.03000 |
| .948 | -4.180 | .79460 | .10710 | .74020 | .30840 | -.00990 | .01550 | -.00250 | .01960 | -.06000 | -.03000 |
| .948 | -3.140 | .79180 | .10850 | .73700 | .30910 | -.00890 | -.00280 | -.00500 | .02010 | -.06000 | -.03000 |
| .948 | -2.090 | .79540 | .11120 | .73980 | .31260 | -.00960 | -.01910 | -.00740 | .01980 | -.06000 | -.03000 |
| .948 | -1.040 | .78020 | .11070 | .72540 | .30800 | -.00500 | -.03570 | -.00990 | .01980 | -.06000 | -.03000 |
| .947 | .020 | .78040 | .11180 | .72530 | .30910 | -.00510 | -.05240 | -.01230 | .01970 | -.06000 | -.03000 |
| .947 | 1.050 | .78400 | .11350 | .72830 | .31170 | -.00500 | -.07270 | -.01390 | .02090 | -.06000 | -.03000 |
| .948 | 2.120 | .78220 | .11340 | .72640 | .31140 | -.00460 | -.09220 | -.01610 | .02190 | -.06000 | -.03000 |
| .947 | 3.110 | .77980 | .11260 | .72440 | .30990 | -.00400 | -.10350 | -.02130 | .02990 | -.06000 | -.03000 |
| .950 | 4.170 | .79160 | .11350 | .73540 | .31400 | -.01080 | -.11670 | -.02480 | .02900 | -.06000 | -.03000 |
| .948 | 6.300 | .77550 | .11030 | .72080 | .30660 | -.00220 | -.15540 | -.02770 | .02860 | -.06000 | -.03000 |
| .950 | 8.420 | .78200 | .11020 | .72700 | .30840 | .00320 | -.18570 | -.02970 | .02630 | -.06000 | -.03000 |
| | GRADIENT | -.00113 | .00072 | -.00130 | .00042 | .00034 | -.01619 | -.00254 | .00115 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (R28247) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 498/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -6.250 | .79280 | .10240 | .73960 | .30330 | -.00660 | .05060 | .00280 | .01880 | -.06000 | -.03000 |
| .948 | -4.250 | .79180 | .10700 | .73740 | .30750 | -.00970 | .02220 | -.00520 | .02850 | -.06000 | -.03000 |
| .947 | -3.200 | .78870 | .10890 | .73410 | .30830 | -.00850 | .00390 | -.00750 | .02840 | -.06000 | -.03000 |
| .948 | -2.160 | .78720 | .11060 | .73220 | .30950 | -.00770 | -.01150 | -.00970 | .02800 | -.06000 | -.03000 |
| .949 | -1.110 | .78360 | .11120 | .72850 | .30940 | -.00620 | -.02700 | -.01220 | .02730 | -.06000 | -.03000 |
| .949 | -.050 | .79170 | .11320 | .73560 | .31390 | -.00980 | -.04280 | -.01440 | .02680 | -.06000 | -.03000 |
| .948 | 1.010 | .79520 | .11450 | .73840 | .31640 | -.01040 | -.06130 | -.01690 | .02720 | -.06000 | -.03000 |
| .947 | 2.060 | .78850 | .11430 | .73220 | .31400 | -.00700 | -.08400 | -.01880 | .02930 | -.06000 | -.03000 |
| .949 | 3.160 | .78010 | .11250 | .72450 | .31030 | -.00430 | -.10380 | -.02150 | .02980 | -.06000 | -.03000 |
| .949 | 4.240 | .80430 | .11530 | .74700 | .31980 | -.01400 | -.11770 | -.02480 | .02890 | -.06000 | -.03000 |
| .944 | 6.370 | .78410 | .11140 | .72880 | .31010 | -.00380 | -.15590 | -.02780 | .02870 | -.06000 | -.03000 |
| .949 | 8.420 | .78330 | .11030 | .72820 | .30890 | .00360 | -.18580 | -.02960 | .02650 | -.06000 | -.03000 |
| | GRADIENT | .00061 | .00086 | .00031 | .00112 | -.00012 | -.01670 | -.00225 | .00013 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 OMS OFF (R2B248) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 519/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -2.010 | -.12200 | .06580 | -.11960 | .07010 | .04780 | -.06810 | -.01740 | .03240 | -.06000 | -.03000 |
| .596 | -.060 | -.03090 | .06650 | -.03090 | .06650 | .04690 | -.06800 | -.01730 | .03200 | -.06000 | -.03000 |
| .597 | 1.940 | .06310 | .06360 | .06090 | .06570 | .04640 | -.06660 | -.01700 | .03150 | -.06000 | -.03000 |
| .596 | 3.970 | .16010 | .05760 | .15570 | .06850 | .04520 | -.06600 | -.01650 | .03100 | -.06000 | -.03000 |
| .596 | 6.000 | .26230 | .04810 | .25580 | .07530 | .04260 | -.06610 | -.01630 | .03030 | -.06000 | -.03000 |
| .597 | 7.890 | .36050 | .03660 | .35210 | .08570 | .03940 | -.06530 | -.01600 | .02990 | -.06000 | -.03000 |
| .596 | 9.890 | .47010 | .02280 | .45920 | .10320 | .03630 | -.06590 | -.01610 | .02970 | -.06000 | -.03000 |
| .596 | 10.940 | .52450 | .01560 | .51200 | .11480 | .03680 | -.06550 | -.01590 | .02950 | -.06000 | -.03000 |
| .596 | 11.970 | .58050 | .00870 | .56610 | .12890 | .03710 | -.06580 | -.01600 | .02930 | -.06000 | -.03000 |
| .596 | 13.970 | .68760 | .01180 | .66440 | .17740 | .03240 | -.06880 | -.01450 | .03070 | -.06000 | -.03000 |
| .596 | 15.920 | .78920 | .01720 | .75420 | .23300 | .02750 | -.06760 | -.01500 | .02950 | -.06000 | -.03000 |
| .597 | 17.910 | .91330 | .02340 | .86190 | .30320 | .01410 | -.06800 | -.01420 | .02980 | -.06000 | -.03000 |
| | GRADIENT | .04715 | -.00139 | .04603 | -.00027 | -.00042 | .00039 | .00015 | -.00024 | -.00000 | -.00000 |

RUN NO. 505/ 0 RN/L = 7.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -2.010 | -.07960 | .15610 | -.07410 | .15880 | .04750 | -.05020 | -.01520 | .02740 | -.06000 | -.03000 |
| 1.197 | -.060 | .03680 | .15710 | .03690 | .15700 | .02160 | -.04880 | -.01500 | .02690 | -.06000 | -.03000 |
| 1.197 | 2.020 | .15850 | .15640 | .15280 | .16190 | -.00240 | -.04820 | -.01470 | .02610 | -.06000 | -.03000 |
| 1.196 | 3.980 | .27080 | .15480 | .25940 | .17330 | -.02230 | -.04730 | -.01430 | .02540 | -.06000 | -.03000 |
| 1.197 | 5.930 | .38070 | .15230 | .36290 | .19070 | -.03960 | -.04580 | -.01380 | .02470 | -.06000 | -.03000 |
| 1.195 | 7.920 | .48260 | .14810 | .45760 | .21310 | -.04750 | -.04670 | -.01330 | .02430 | -.06000 | -.03000 |
| 1.198 | 9.940 | .59860 | .14440 | .56470 | .24550 | -.06020 | -.04570 | -.01350 | .02350 | -.06000 | -.03000 |
| 1.196 | 11.920 | .69890 | .14140 | .65460 | .28280 | -.06040 | -.04360 | -.01430 | .02260 | -.06000 | -.03000 |
| 1.197 | 13.930 | .80690 | .14130 | .74910 | .33150 | -.06760 | -.04440 | -.01360 | .02260 | -.06000 | -.03000 |
| 1.197 | 15.920 | .91260 | .14160 | .83880 | .38650 | -.07570 | -.04430 | -.01370 | .02300 | -.06000 | -.03000 |
| 1.196 | 17.900 | 1.02200 | .14070 | .92930 | .44800 | -.08650 | -.04550 | -.01320 | .02310 | -.06000 | -.03000 |
| | GRADIENT | .06850 | -.00023 | .05568 | .00242 | -.01164 | .00046 | .00015 | -.00034 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 OMS OFF (R2B249) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 520/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.980 | -.11810 | .06370 | -.11580 | .06770 | .04200 | -.15070 | -.02390 | .04290 | -.06000 | -.03000 |
| .596 | -.020 | -.02700 | .06430 | -.02700 | .06430 | .04070 | -.14970 | -.02490 | .04230 | -.06000 | -.03000 |
| .596 | 1.990 | .06760 | .06150 | .06540 | .06380 | .04050 | -.14840 | -.02530 | .04160 | -.06000 | -.03000 |
| .597 | 3.950 | .16220 | .05560 | .15800 | .06660 | .03930 | -.14770 | -.02600 | .04080 | -.06000 | -.03000 |
| .596 | 5.970 | .26540 | .04650 | .25910 | .07380 | .03680 | -.14620 | -.02650 | .04000 | -.06000 | -.03000 |
| .596 | 7.950 | .36900 | .03470 | .36070 | .08550 | .03320 | -.14570 | -.02750 | .03900 | -.06000 | -.03000 |
| .596 | 9.970 | .47850 | .02030 | .46780 | .10280 | .03170 | -.14240 | -.02960 | .03860 | -.06000 | -.03000 |
| .596 | 10.990 | .53350 | .01280 | .52130 | .11430 | .03050 | -.14190 | -.03100 | .03830 | -.06000 | -.03000 |
| .596 | 12.010 | .59020 | .00590 | .57610 | .12860 | .02940 | -.14130 | -.03160 | .03780 | -.06000 | -.03000 |
| .596 | 14.080 | .70220 | .01000 | .67870 | .18050 | .02260 | -.14430 | -.02670 | .03840 | -.06000 | -.03000 |
| .597 | 16.000 | .80180 | .01280 | .76720 | .23330 | .01870 | -.14470 | -.02540 | .03820 | -.06000 | -.03000 |
| .596 | 17.980 | .91230 | .01640 | .86260 | .29730 | .01170 | -.14680 | -.02500 | .03890 | -.06000 | -.03000 |
| | GRADIENT | .04725 | -.00137 | .04615 | -.00019 | -.00042 | .00052 | -.00034 | -.00035 | -.00000 | -.00000 |

RUN NO. 506/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.195 | -2.020 | -.08530 | .15400 | -.07980 | .15690 | .04630 | -.12800 | -.02070 | .03340 | -.06000 | -.03000 |
| 1.198 | -.070 | .03160 | .15550 | .03180 | .15540 | .01980 | -.12500 | -.02170 | .03200 | -.06000 | -.03000 |
| 1.197 | 1.970 | .15090 | .15610 | .14550 | .16120 | -.00320 | -.12100 | -.02250 | .03080 | -.06000 | -.03000 |
| 1.196 | 3.940 | .26480 | .15550 | .25350 | .17340 | -.02240 | -.11870 | -.02310 | .02940 | -.06000 | -.03000 |
| 1.197 | 5.950 | .38020 | .15370 | .36230 | .19220 | -.04030 | -.11570 | -.02350 | .02780 | -.06000 | -.03000 |
| 1.196 | 7.910 | .48500 | .14980 | .45970 | .21510 | -.04860 | -.11470 | -.02170 | .02700 | -.06000 | -.03000 |
| 1.197 | 9.950 | .59850 | .14590 | .56430 | .24710 | -.05840 | -.11360 | -.02140 | .02650 | -.06000 | -.03000 |
| 1.197 | 11.970 | .69820 | .14280 | .65340 | .28450 | -.06060 | -.11180 | -.02340 | .02470 | -.06000 | -.03000 |
| 1.196 | 13.980 | .81640 | .14190 | .75800 | .33490 | -.07400 | -.11150 | -.01970 | .02330 | -.06000 | -.03000 |
| 1.196 | 15.970 | .91770 | .14080 | .84350 | .38790 | -.07840 | -.11070 | -.01930 | .02100 | -.06000 | -.03000 |
| 1.197 | 17.930 | 1.01010 | .13990 | .91800 | .44410 | -.07970 | -.10920 | -.01960 | .01850 | -.06000 | -.03000 |
| | GRADIENT | .05871 | .00026 | .05590 | .00278 | -.01150 | .00160 | -.00040 | -.00066 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 OMS OFF - TO + BETA (R28250) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 521/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -6.080 | .48640 | .01780 | .47590 | .10200 | .03400 | .04110 | .00080 | .02020 | -.06000 | -.03000 |
| .597 | -4.060 | .48150 | .02040 | .47060 | .10360 | .03590 | .00300 | -.00530 | .02440 | -.06000 | -.03000 |
| .596 | -3.040 | .47850 | .02140 | .46750 | .10390 | .03610 | -.01550 | -.00790 | .02600 | -.06000 | -.03000 |
| .596 | -2.040 | .47750 | .02200 | .46650 | .10420 | .03660 | -.03290 | -.01050 | .02740 | -.06000 | -.03000 |
| .597 | -1.010 | .47500 | .02250 | .46390 | .10420 | .03640 | -.04940 | -.01340 | .02850 | -.06000 | -.03000 |
| .596 | -.020 | .47230 | .02260 | .46130 | .10370 | .03600 | -.06540 | -.01600 | .03000 | -.06000 | -.03000 |
| .597 | .980 | .47590 | .02220 | .46490 | .10430 | .03550 | -.08260 | -.01870 | .03180 | -.06000 | -.03000 |
| .596 | 2.030 | .47860 | .02140 | .46760 | .10430 | .03450 | -.10240 | -.02210 | .03420 | -.06000 | -.03000 |
| .596 | 3.050 | .47730 | .02100 | .46640 | .10360 | .03330 | -.12250 | -.02560 | .03640 | -.06000 | -.03000 |
| .595 | 4.110 | .47740 | .02070 | .46660 | .10330 | .03180 | -.14200 | -.02920 | .03840 | -.06000 | -.03000 |
| .596 | 6.180 | .47510 | .01830 | .46470 | .10040 | .02730 | -.18230 | -.03380 | .04170 | -.06000 | -.03000 |
| .596 | 8.250 | .47620 | .01970 | .46560 | .10210 | .03520 | -.19600 | -.03060 | .03440 | -.06000 | -.03000 |
| | GRADIENT | -.00027 | -.00003 | -.00026 | -.00003 | -.00049 | -.01757 | -.00290 | .00171 | -.00000 | -.00000 |

RUN NO. 507/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -6.210 | .60380 | .14120 | .57020 | .24380 | -.05990 | .05530 | -.00040 | .01820 | -.06000 | -.03000 |
| 1.195 | -4.170 | .60720 | .14370 | .57310 | .24680 | -.06040 | .01980 | -.00610 | .02090 | -.06000 | -.03000 |
| 1.197 | -3.120 | .60800 | .14400 | .57390 | .24710 | -.06130 | .00210 | -.00820 | .02190 | -.06000 | -.03000 |
| 1.198 | -2.070 | .60470 | .14340 | .57090 | .24550 | -.05940 | -.01390 | -.00970 | .02290 | -.06000 | -.03000 |
| 1.197 | -1.040 | .60150 | .14370 | .56770 | .24530 | -.06000 | -.03040 | -.01160 | .02320 | -.06000 | -.03000 |
| 1.195 | -.030 | .59810 | .14430 | .56440 | .24500 | -.05960 | -.04580 | -.01360 | .02350 | -.06000 | -.03000 |
| 1.197 | .990 | .60170 | .14490 | .56740 | .24700 | -.06010 | -.06070 | -.01550 | .02370 | -.06000 | -.03000 |
| 1.198 | 2.060 | .60240 | .14550 | .56800 | .24790 | -.06040 | -.07670 | -.01780 | .02440 | -.06000 | -.03000 |
| 1.195 | 3.120 | .60140 | .14550 | .56700 | .24770 | -.05900 | -.09490 | -.01930 | .02550 | -.06000 | -.03000 |
| 1.196 | 4.180 | .59850 | .14590 | .56420 | .24740 | -.05900 | -.11200 | -.02140 | .02630 | -.06000 | -.03000 |
| 1.197 | 6.260 | .58750 | .14570 | .55340 | .24510 | -.05300 | -.15130 | -.02540 | .02950 | -.06000 | -.03000 |
| 1.196 | 8.350 | .58520 | .14340 | .55110 | .24470 | -.04720 | -.18640 | -.03020 | .03080 | -.06000 | -.03000 |
| | GRADIENT | -.00094 | .00030 | -.00100 | .00017 | .00017 | -.01561 | -.00184 | .00058 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 OMS OFF (R28251) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 516/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.990 | -.13510 | .08500 | -.13210 | .08960 | .06670 | -.05950 | -.01480 | .02960 | -.06000 | -.03000 |
| .898 | -.080 | -.01720 | .08750 | -.01710 | .08750 | .05550 | -.05910 | -.01460 | .02900 | -.06000 | -.03000 |
| .900 | 2.030 | .10770 | .08870 | .10450 | .09250 | .04300 | -.05770 | -.01540 | .02820 | -.06000 | -.03000 |
| .898 | 3.950 | .21020 | .08950 | .20360 | .10380 | .03700 | -.05650 | -.01660 | .02730 | -.06000 | -.03000 |
| .897 | 5.930 | .30780 | .08780 | .29710 | .11920 | .03350 | -.05580 | -.01580 | .02670 | -.06000 | -.03000 |
| .898 | 7.890 | .40200 | .08720 | .38620 | .14150 | .03160 | -.05590 | -.01480 | .02640 | -.06000 | -.03000 |
| .897 | 9.910 | .49320 | .08560 | .47110 | .16920 | .03460 | -.05510 | -.01550 | .02580 | -.06000 | -.03000 |
| .897 | 11.980 | .57720 | .08900 | .54620 | .20690 | .03460 | -.05580 | -.01470 | .02590 | -.06000 | -.03000 |
| .897 | 13.950 | .66970 | .09250 | .62770 | .25120 | .02600 | -.05700 | -.01260 | .02560 | -.06000 | -.03000 |
| .899 | 15.970 | .77290 | .09480 | .71690 | .30380 | .02000 | -.05890 | -.01290 | .02580 | -.06000 | -.03000 |
| .896 | 17.910 | .86970 | .09450 | .79840 | .35750 | .01860 | -.06010 | -.01330 | .02600 | -.06000 | -.03000 |
| | GRADIENT | .05825 | .00074 | .05664 | .00239 | -.00510 | .00052 | -.00031 | -.00039 | -.00000 | -.00000 |

RUN NO. 511/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -1.980 | -.11300 | .10720 | -.10930 | .11100 | .06340 | -.06010 | -.01500 | .02990 | -.06000 | -.03000 |
| .948 | -.040 | .02470 | .11130 | .02480 | .11130 | .03860 | -.05840 | -.01570 | .02940 | -.06000 | -.03000 |
| .947 | 1.960 | .15070 | .11260 | .14680 | .11770 | .01960 | -.05790 | -.01590 | .02880 | -.06000 | -.03000 |
| .949 | 3.970 | .26880 | .11040 | .26050 | .12870 | .00490 | -.05710 | -.01520 | .02840 | -.06000 | -.03000 |
| .949 | 5.980 | .38310 | .10880 | .36970 | .14810 | -.00780 | -.05480 | -.01610 | .02770 | -.06000 | -.03000 |
| .948 | 7.950 | .48230 | .10630 | .46300 | .17190 | -.01240 | -.05490 | -.01560 | .02760 | -.06000 | -.03000 |
| .949 | 9.960 | .57230 | .10220 | .54600 | .19970 | -.01010 | -.05390 | -.01520 | .02480 | -.06000 | -.03000 |
| .949 | 11.960 | .65960 | .10710 | .62310 | .24150 | -.00820 | -.05190 | -.01580 | .02910 | -.06000 | -.03000 |
| .948 | 13.950 | .75360 | .10970 | .70490 | .28810 | -.01150 | -.05300 | -.01410 | .02950 | -.06000 | -.03000 |
| .949 | 15.930 | .86710 | .11150 | .80320 | .34530 | -.02340 | -.05260 | -.01430 | .03020 | -.06000 | -.03000 |
| .946 | 17.890 | .96160 | .11020 | .88120 | .40030 | -.01860 | -.05890 | -.01400 | .03420 | -.06000 | -.03000 |
| | GRADIENT | .06403 | .00054 | .06201 | .00301 | -.00979 | .00048 | -.00004 | -.00026 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 OMS OFF (R2B251) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 508/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.010 | -.09620 | .14990 | -.09090 | .15320 | .06240 | -.05830 | -.01720 | .03170 | -.06000 | -.03000 |
| 1.048 | -.050 | .03860 | .15150 | .03880 | .15150 | .03220 | -.05720 | -.01710 | .03070 | -.06000 | -.03000 |
| 1.046 | 1.940 | .16870 | .15240 | .16340 | .15800 | .00710 | -.05640 | -.01680 | .02990 | -.06000 | -.03000 |
| 1.047 | 3.940 | .29240 | .15220 | .28130 | .17190 | -.01470 | -.05510 | -.01670 | .02930 | -.06000 | -.03000 |
| 1.049 | 5.940 | .40740 | .15000 | .38970 | .19140 | -.03100 | -.05460 | -.01710 | .02850 | -.06000 | -.03000 |
| 1.047 | 7.910 | .49890 | .14700 | .47390 | .21430 | -.03080 | -.05640 | -.01570 | .02950 | -.06000 | -.03000 |
| 1.046 | 9.980 | .61240 | .14430 | .57820 | .24820 | -.03810 | -.05450 | -.01650 | .02790 | -.06000 | -.03000 |
| 1.048 | 11.930 | .70810 | .14230 | .66340 | .28560 | -.03920 | -.05120 | -.01720 | .02660 | -.06000 | -.03000 |
| 1.047 | 13.930 | .81370 | .14280 | .75540 | .33450 | -.04280 | -.05210 | -.01670 | .02650 | -.06000 | -.03000 |
| 1.048 | 15.930 | .92170 | .14410 | .84680 | .39150 | -.05150 | -.05390 | -.01600 | .02700 | -.06000 | -.03000 |
| 1.045 | 17.910 | 1.05150 | .14060 | .95740 | .45710 | -.07070 | -.05600 | -.01390 | .02730 | -.06000 | -.03000 |
| | GRADIENT | .06531 | .00039 | .06255 | .00316 | -.01292 | .00052 | .00009 | -.00040 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 OMS OFF (R2B252) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 517/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -2.000 | -.13790 | .08490 | -.13490 | .08960 | .06330 | -.15120 | -.02020 | .04190 | -.06000 | -.03000 |
| .898 | .030 | -.01480 | .08740 | -.01490 | .08740 | .05180 | -.15100 | -.02270 | .04210 | -.06000 | -.03000 |
| .897 | 1.990 | .10290 | .08790 | .09980 | .09150 | .04000 | -.15030 | -.02440 | .04160 | -.06000 | -.03000 |
| .897 | 3.940 | .20620 | .08900 | .20160 | .10310 | .03340 | -.14680 | -.02570 | .04060 | -.06000 | -.03000 |
| .896 | 5.940 | .31130 | .08900 | .30040 | .12080 | .02960 | -.14760 | -.02660 | .03910 | -.06000 | -.03000 |
| .898 | 7.910 | .40380 | .08710 | .38800 | .13180 | .02040 | -.14520 | -.02720 | .03720 | -.06000 | -.03000 |
| .897 | 9.960 | .48000 | .08790 | .46740 | .17130 | .03310 | -.14100 | -.02890 | .03490 | -.06000 | -.03000 |
| .897 | 11.960 | .58000 | .08840 | .54910 | .20660 | .03130 | -.14120 | -.02820 | .03320 | -.06000 | -.03000 |
| .897 | 13.950 | .67140 | .09080 | .62970 | .25000 | .02440 | -.13870 | -.02650 | .02990 | -.06000 | -.03000 |
| .898 | 16.020 | .77130 | .09190 | .71600 | .30120 | .02010 | -.13550 | -.02380 | .02410 | -.06000 | -.03000 |
| .896 | 18.000 | .87810 | .09090 | .80700 | .35780 | .01750 | -.13250 | -.02190 | .01890 | -.06000 | -.03000 |
| | GRADIENT | .05845 | .00065 | .05685 | .00224 | -.00514 | .00040 | -.00092 | -.00024 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 OMS OFF (R28252) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 512/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -2.010 | -.12840 | .10940 | -.12450 | .11380 | .06610 | -.14790 | -.02090 | .04110 | -.06000 | -.03000 |
| .948 | -.070 | .00770 | .11150 | .00780 | .11140 | .04160 | -.14820 | -.02310 | .04150 | -.06000 | -.03000 |
| .949 | 1.970 | .13800 | .11330 | .13400 | .11800 | .02280 | -.14910 | -.02380 | .04180 | -.06000 | -.03000 |
| .948 | 3.960 | .25830 | .11400 | .24980 | .13150 | .00790 | -.14730 | -.02420 | .04140 | -.06000 | -.03000 |
| .950 | 5.940 | .36390 | .11190 | .35030 | .14900 | .00000 | -.14740 | -.02390 | .04110 | -.06000 | -.03000 |
| .948 | 7.880 | .46530 | .10630 | .44640 | .16910 | -.00440 | -.14630 | -.02530 | .04070 | -.06000 | -.03000 |
| .947 | 9.940 | .55490 | .10470 | .52850 | .19890 | -.00160 | -.13900 | -.02980 | .03840 | -.06000 | -.03000 |
| .947 | 11.930 | .66170 | .10700 | .62530 | .24150 | -.00840 | -.13310 | -.03040 | .03630 | -.06000 | -.03000 |
| .948 | 14.000 | .76620 | .10940 | .71700 | .29150 | -.01660 | -.12980 | -.02820 | .03350 | -.06000 | -.03000 |
| .946 | 15.990 | .85300 | .10720 | .79050 | .33800 | -.01330 | -.13210 | -.02560 | .03220 | -.06000 | -.03000 |
| .948 | 17.980 | .96190 | .10980 | .88110 | .40140 | -.01790 | -.12700 | -.02310 | .02960 | -.06000 | -.03000 |
| | GRADIENT | .06467 | .00078 | .06260 | .00300 | -.00969 | .00005 | -.00053 | .00006 | -.00000 | -.00000 |

RUN NO. 509/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -1.990 | -.10330 | .14900 | -.09800 | .15250 | .06310 | -.13830 | -.02350 | .03880 | -.06000 | -.03000 |
| 1.046 | -.060 | .03050 | .15080 | .03070 | .15080 | .03260 | -.13590 | -.02530 | .03800 | -.06000 | -.03000 |
| 1.048 | 1.970 | .16310 | .15270 | .15770 | .15820 | .00770 | -.13360 | -.02600 | .03720 | -.06000 | -.03000 |
| 1.047 | 3.960 | .28900 | .15350 | .27770 | .17310 | -.01440 | -.13150 | -.02700 | .03610 | -.06000 | -.03000 |
| 1.049 | 5.980 | .39340 | .15180 | .37540 | .19190 | -.02120 | -.13300 | -.02360 | .03640 | -.06000 | -.03000 |
| 1.047 | 7.920 | .49730 | .15030 | .47180 | .21740 | -.02730 | -.13530 | -.02430 | .03720 | -.06000 | -.03000 |
| 1.048 | 9.920 | .60070 | .14700 | .56640 | .24830 | -.03310 | -.13030 | -.02870 | .03560 | -.06000 | -.03000 |
| 1.046 | 11.930 | .70830 | .14480 | .66310 | .28810 | -.03780 | -.12760 | -.02840 | .03390 | -.06000 | -.03000 |
| 1.047 | 14.010 | .82310 | .14300 | .76390 | .33810 | -.04500 | -.12800 | -.02690 | .03240 | -.06000 | -.03000 |
| 1.046 | 16.000 | .92920 | .14260 | .85390 | .39320 | -.05130 | -.12690 | -.02640 | .02940 | -.06000 | -.03000 |
| 1.048 | 17.990 | 1.04040 | .14120 | .94600 | .45570 | -.06200 | -.12730 | -.02170 | .02750 | -.06000 | -.03000 |
| | GRADIENT | .06586 | .00077 | .06307 | .00349 | -.01294 | .00114 | -.00056 | -.00045 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 OMS OFF - TO + BETA (R28253) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 935.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 518/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -6.330 | .27070 | .07840 | .26280 | .10180 | .02630 | .07420 | -.00300 | .01140 | -.06000 | -.03000 |
| .896 | -4.250 | .26500 | .08500 | .25650 | .10780 | .03260 | .02590 | -.00870 | .01930 | -.06000 | -.03000 |
| .897 | -3.200 | .26130 | .08590 | .25280 | .10830 | .03460 | .00310 | -.01100 | .02220 | -.06000 | -.03000 |
| .897 | -2.140 | .26390 | .08820 | .25520 | .11100 | .03490 | -.01720 | -.01280 | .02430 | -.06000 | -.03000 |
| .897 | -1.090 | .26170 | .08810 | .25300 | .11050 | .03580 | -.03610 | -.01430 | .02520 | -.06000 | -.03000 |
| .899 | -.010 | .25900 | .08830 | .25040 | .11040 | .03580 | -.05700 | -.01610 | .02690 | -.06000 | -.03000 |
| .897 | 1.000 | .26060 | .08870 | .25180 | .11110 | .03510 | -.07740 | -.01790 | .02910 | -.06000 | -.03000 |
| .897 | 2.060 | .26180 | .08880 | .25300 | .11130 | .03380 | -.09970 | -.02030 | .03190 | -.06000 | -.03000 |
| .900 | 3.100 | .26510 | .08990 | .25620 | .11260 | .03150 | -.12300 | -.02310 | .03560 | -.06000 | -.03000 |
| .897 | 4.160 | .25790 | .08740 | .24930 | .10940 | .03320 | -.14720 | -.02620 | .03970 | -.06000 | -.03000 |
| .897 | 6.250 | .26140 | .08680 | .25290 | .10910 | .02700 | -.18270 | -.02420 | .03920 | -.06000 | -.03000 |
| .897 | 8.350 | .26320 | .08340 | .25500 | .10590 | .02850 | -.21360 | -.02350 | .03960 | -.06000 | -.03000 |
| | GRADIENT | -.00036 | .00037 | -.00039 | .00033 | -.00015 | -.02026 | -.00198 | .00223 | .00000 | .00000 |

RUN NO. 513/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.330 | .32890 | .10370 | .31860 | .13200 | -.00540 | .07920 | -.00180 | .00730 | -.06000 | -.03000 |
| .946 | -4.250 | .32610 | .10680 | .31570 | .13460 | -.00260 | .03290 | -.00780 | .01590 | -.06000 | -.03000 |
| .950 | -3.210 | .33020 | .10900 | .31960 | .13710 | -.00550 | .00880 | -.01030 | .01980 | -.06000 | -.03000 |
| .948 | -2.150 | .32390 | .10760 | .31340 | .13510 | -.00130 | -.01290 | -.01220 | .02270 | -.06000 | -.03000 |
| .949 | -1.100 | .32410 | .10830 | .31360 | .13570 | -.00140 | -.03360 | -.01370 | .02530 | -.06000 | -.03000 |
| .946 | -.040 | .32410 | .10930 | .31350 | .13680 | -.00180 | -.05610 | -.01560 | .02800 | -.06000 | -.03000 |
| .949 | 1.000 | .32730 | .11110 | .31650 | .13890 | -.00390 | -.07660 | -.01750 | .03070 | -.06000 | -.03000 |
| .946 | 2.070 | .32160 | .11020 | .31100 | .13740 | -.00090 | -.10110 | -.02050 | .03440 | -.06000 | -.03000 |
| .950 | 3.100 | .32700 | .11410 | .31600 | .14180 | -.00380 | -.12310 | -.02240 | .03750 | -.06000 | -.03000 |
| .948 | 4.150 | .31330 | .11230 | .30250 | .13880 | .00240 | -.14630 | -.02470 | .04100 | -.06000 | -.03000 |
| .948 | 6.250 | .29800 | .11120 | .28740 | .13620 | .00690 | -.18200 | -.02350 | .04150 | -.06000 | -.03000 |
| .948 | 8.350 | .29450 | .10960 | .28410 | .13440 | .01350 | -.21050 | -.02380 | .04080 | -.06000 | -.03000 |
| | GRADIENT | -.00099 | .00072 | -.00104 | .00061 | .00037 | -.02112 | -.00197 | .00289 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 OMS OFF - TO + BETA (R2B253) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 510/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.049 | -6.360 | .34890 | .14730 | .33470 | .17720 | -.02070 | .06170 | -.00450 | .01640 | -.06000 | -.03000 |
| 1.045 | -4.270 | .34980 | .14950 | .33550 | .17940 | -.02060 | .01940 | -.01000 | .02280 | -.06000 | -.03000 |
| 1.047 | -3.220 | .35030 | .14950 | .33600 | .17930 | -.02190 | -.00210 | -.01190 | .02550 | -.06000 | -.03000 |
| 1.046 | -2.160 | .35120 | .14940 | .33690 | .17930 | -.02220 | -.02060 | -.01360 | .02720 | -.06000 | -.03000 |
| 1.047 | -1.110 | .35090 | .14980 | .33660 | .17950 | -.02250 | -.03770 | -.01540 | .02810 | -.06000 | -.03000 |
| 1.049 | -.040 | .35020 | .15140 | .33590 | .18110 | -.02320 | -.05550 | -.01730 | .02890 | -.06000 | -.03000 |
| 1.045 | .980 | .35260 | .15220 | .33810 | .18230 | -.02400 | -.07280 | -.01940 | .03020 | -.06000 | -.03000 |
| 1.048 | 2.060 | .35350 | .15280 | .33890 | .18290 | -.02450 | -.09070 | -.02150 | .03130 | -.06000 | -.03000 |
| 1.047 | 3.090 | .35290 | .15330 | .33830 | .18330 | -.02410 | -.10880 | -.02410 | .03310 | -.06000 | -.03000 |
| 1.048 | 4.140 | .34960 | .15330 | .33500 | .18300 | -.02350 | -.12870 | -.02710 | .03510 | -.06000 | -.03000 |
| 1.046 | 6.240 | .34240 | .15200 | .32800 | .18100 | -.01990 | -.17310 | -.03080 | .04130 | -.06000 | -.03000 |
| 1.048 | 8.350 | .33600 | .14990 | .32170 | .17850 | -.01040 | -.21150 | -.03270 | .04390 | -.06000 | -.03000 |
| | GRADIENT | .00021 | .00057 | .00017 | .00058 | -.00039 | -.01724 | -.00198 | .00130 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 OMS OFF - TO + BETA (R2B254) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 514/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -6.260 | .82130 | .10200 | .76720 | .31060 | -.02060 | .05560 | .00540 | .01720 | -.06000 | -.03000 |
| .949 | -4.190 | .83280 | .10930 | .77610 | .32120 | -.02430 | .01630 | -.00060 | .02040 | -.06000 | -.03000 |
| .947 | -3.140 | .81370 | .10970 | .75760 | .31630 | -.01750 | -.00850 | -.00360 | .02290 | -.06000 | -.03000 |
| .947 | -2.090 | .81370 | .11150 | .75730 | .31790 | -.01770 | -.02670 | -.00620 | .02350 | -.06000 | -.03000 |
| .948 | -1.040 | .81150 | .11210 | .75490 | .31800 | -.01760 | -.04280 | -.00900 | .02270 | -.06000 | -.03000 |
| .946 | .030 | .81180 | .11290 | .75500 | .31880 | -.01780 | -.06010 | -.01170 | .02220 | -.06000 | -.03000 |
| .948 | 1.050 | .80810 | .11150 | .75200 | .31620 | -.01600 | -.07710 | -.01450 | .02230 | -.06000 | -.03000 |
| .947 | 2.040 | .80960 | .11060 | .75360 | .31580 | -.01720 | -.09120 | -.02020 | .03180 | -.06000 | -.03000 |
| .948 | 3.120 | .81150 | .10940 | .75570 | .31550 | -.01710 | -.11290 | -.02390 | .03350 | -.06000 | -.03000 |
| .949 | 4.190 | .80400 | .10840 | .74870 | .31260 | -.01370 | -.13100 | -.02690 | .03350 | -.06000 | -.03000 |
| .948 | 6.300 | .80400 | .10590 | .74940 | .31000 | -.01560 | -.15690 | -.02860 | .02790 | -.06000 | -.03000 |
| .947 | 8.410 | .81360 | .10460 | .75880 | .31160 | -.01100 | -.18240 | -.02890 | .02340 | -.06000 | -.03000 |
| | GRADIENT | -.00213 | -.00011 | -.00201 | -.00068 | .00074 | -.01701 | -.00318 | .00160 | .00000 | .00000 |

ARC 200-1 11(LA77) OV101 OMS OFF + TO - BETA (R2B255) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPOBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 515/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CN | CA | CL | CD | CLM | CY | CBL | CYN | ELEVON | AILRON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .945 | -6.250 | .81580 | .10140 | .76200 | .30840 | -.01890 | .05440 | .00530 | .01770 | -.06000 | -.03000 |
| .950 | -4.250 | .81930 | .10840 | .76360 | .31630 | -.02040 | .01650 | -.00430 | .03120 | -.06000 | -.03000 |
| .946 | -3.200 | .81470 | .10970 | .75880 | .31630 | -.01760 | -.00430 | -.00630 | .03190 | -.06000 | -.03000 |
| .949 | -2.160 | .81340 | .11110 | .75720 | .31720 | -.01890 | -.01990 | -.00870 | .03150 | -.06000 | -.03000 |
| .948 | -1.110 | .82310 | .11250 | .76600 | .32140 | -.02210 | -.03520 | -.01140 | .03060 | -.06000 | -.03000 |
| .946 | -.030 | .80470 | .11160 | .74850 | .31570 | -.01510 | -.05240 | -.01410 | .02950 | -.06000 | -.03000 |
| .950 | 1.010 | .80830 | .11110 | .75200 | .31650 | -.01770 | -.07000 | -.01710 | .03000 | -.06000 | -.03000 |
| .951 | 2.090 | .82580 | .11180 | .76850 | .32220 | -.02350 | -.09300 | -.02040 | .03200 | -.06000 | -.03000 |
| .950 | 3.150 | .82630 | .11100 | .76930 | .32150 | -.02310 | -.11440 | -.02390 | .03390 | -.06000 | -.03000 |
| .947 | 4.240 | .81420 | .10950 | .75800 | .31680 | -.01680 | -.13100 | -.02680 | .03350 | -.06000 | -.03000 |
| .949 | 6.380 | .81620 | .10750 | .76050 | .31520 | -.02000 | -.15710 | -.02850 | .02800 | -.06000 | -.03000 |
| .949 | 8.430 | .82130 | .10610 | .76580 | .31530 | -.01460 | -.18160 | -.02910 | .02360 | -.06000 | -.03000 |
| | GRADIENT | .00038 | .00013 | .00028 | .00035 | -.00011 | -.01731 | -.00270 | .00025 | -.00000 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28001) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 45/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -1.970 | -.03000 | .02000 | -.01000 | -1.68300 | .01000 | .03000 | -.22700 | -.22700 | 1412.00000 |
| .900 | .010 | -.03000 | .02000 | -.01000 | -.39000 | .01000 | .03000 | -.22500 | -.23000 | 1412.00000 |
| .899 | 2.060 | -.02000 | .04000 | -.02000 | 1.01100 | .03000 | .06000 | -.21000 | -.22100 | 1412.00000 |
| .901 | 3.010 | -.02000 | .02000 | .01000 | 1.57000 | .03000 | .02000 | -.21400 | -.22200 | 1412.00000 |
| .901 | 4.060 | -.01000 | .01000 | .02000 | 2.01200 | .04000 | -.01000 | -.21100 | -.22000 | 1412.00000 |
| .900 | 5.060 | -.02000 | .04000 | .01000 | 2.32000 | .06000 | .03000 | -.21100 | -.21800 | 1412.00000 |
| .900 | 6.000 | -.02000 | .05000 | .01000 | 2.56600 | .06000 | .04000 | -.20700 | -.21800 | 1412.00000 |
| .900 | 7.070 | -.03000 | .02000 | .03000 | 2.78300 | .05000 | -.01000 | -.20600 | -.21400 | 1412.00000 |
| .901 | 8.030 | -.03000 | .02000 | .02000 | 2.90600 | .04000 | .00000 | -.21000 | -.22000 | 1412.00000 |
| .899 | 9.000 | -.02000 | .02000 | .02000 | 2.96100 | .05000 | .00000 | -.20500 | -.21900 | 1412.00000 |
| .900 | 10.050 | -.02000 | .03000 | .01000 | 2.98900 | .04000 | .02000 | -.20700 | -.22900 | 1412.00000 |
| .899 | 12.040 | -.02000 | .02000 | -.01000 | 2.92400 | .01000 | .03000 | -.22700 | -.24400 | 1412.00000 |
| .899 | 13.980 | -.01000 | .02000 | .02000 | 2.73900 | .04000 | .01000 | -.24800 | -.26200 | 1412.00000 |
| .898 | 16.040 | .00000 | .02000 | -.01000 | 2.53900 | .01000 | .02000 | -.28000 | -.28900 | 1412.00000 |
| .899 | 18.060 | .01000 | .00000 | .00000 | 2.36200 | .00000 | .01000 | -.30700 | -.32500 | 1412.00000 |
| .900 | 19.980 | .05000 | .00000 | .00000 | 2.19900 | .00000 | .00000 | -.34700 | -.35600 | 1412.00000 |
| | GRADIENT | .00319 | -.00059 | .00445 | .62750 | .00525 | -.00436 | .00301 | .00147 | .00000 |

RUN NO. 54/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.890 | .02000 | .00000 | -.01000 | -1.44500 | -.01000 | .01000 | -.25100 | -.26900 | 1474.00000 |
| .948 | .160 | .02000 | .01000 | -.02000 | -.31100 | -.02000 | .03000 | -.25000 | -.26000 | 1474.00000 |
| .950 | 2.120 | .03000 | .01000 | -.02000 | .38200 | -.01000 | .03000 | -.24800 | -.25400 | 1474.00000 |
| .949 | 3.150 | .03000 | .01000 | -.01000 | 1.36600 | .00000 | .02000 | -.25100 | -.25800 | 1474.00000 |
| .948 | 4.130 | .03000 | .00000 | .00000 | 1.80300 | .00000 | .01000 | -.25100 | -.25200 | 1474.00000 |
| .949 | 5.100 | .04000 | -.01000 | .01000 | 2.15700 | .00000 | -.02000 | -.25000 | -.25700 | 1474.00000 |
| .950 | 6.040 | .04000 | .01000 | -.01000 | 2.43600 | .00000 | .01000 | -.24900 | -.25300 | 1474.00000 |
| .950 | 7.130 | .05000 | .01000 | -.02000 | 2.67200 | -.01000 | .03000 | -.25500 | -.26300 | 1474.00000 |
| .948 | 8.070 | .04000 | -.01000 | -.02000 | 2.79200 | -.03000 | .01000 | -.23500 | -.25600 | 1474.00000 |
| .949 | 9.050 | -.05000 | -.04000 | -.01000 | 2.85100 | -.06000 | -.03000 | -.24800 | -.26100 | 1474.00000 |
| .949 | 10.130 | .07000 | -.03000 | -.02000 | 2.87400 | -.05000 | .00000 | -.25200 | -.26900 | 1474.00000 |
| .949 | 12.120 | .06000 | -.01000 | -.03000 | 2.79400 | -.04000 | .02000 | -.26300 | -.29000 | 1474.00000 |
| .949 | 14.080 | .07000 | -.06000 | -.01000 | 2.62100 | -.07000 | -.05000 | -.29200 | -.33200 | 1474.00000 |
| .950 | 16.160 | .07000 | -.04000 | .00000 | 2.44500 | -.04000 | -.04000 | -.33300 | -.37200 | 1474.00000 |
| .949 | 18.180 | .08000 | -.06000 | -.01000 | 2.28000 | -.07000 | -.05000 | -.37100 | -.39500 | 1474.00000 |
| .950 | 20.070 | .15000 | -.01000 | -.03000 | 2.13600 | -.04000 | .01000 | -.40900 | -.41800 | 1474.00000 |
| | GRADIENT | .00206 | .00036 | .00145 | .54660 | .00240 | .00002 | .00002 | .00250 | -.00001 |

ARC 200-1 11(LA77) OV101 (A28001) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 10/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.960 | -.03000 | .00000 | .02000 | -1.16400 | .03000 | -.02000 | -.36100 | -.37000 | 1599.00000 |
| 1.047 | -.010 | -.02000 | .01000 | .01000 | -.31600 | .02000 | -.01000 | -.35200 | -.36800 | 1599.00000 |
| 1.047 | 2.010 | -.01000 | .00000 | .02000 | .58700 | .02000 | -.02000 | -.35100 | -.37000 | 1599.00000 |
| 1.047 | 3.030 | -.01000 | .01000 | .01000 | .99900 | .02000 | .00000 | -.35400 | -.37000 | 1599.00000 |
| 1.048 | 4.020 | -.01000 | -.01000 | .02000 | 1.35300 | .02000 | -.03000 | -.35700 | -.37300 | 1599.00000 |
| 1.048 | 5.060 | -.01000 | -.02000 | .02000 | 1.65100 | .00000 | -.04000 | -.35900 | -.37500 | 1599.00000 |
| 1.046 | 6.030 | -.01000 | -.02000 | .02000 | 1.88400 | .00000 | -.03000 | -.36400 | -.37900 | 1599.00000 |
| 1.046 | 6.980 | -.02000 | -.01000 | .00000 | 2.05800 | -.01000 | -.01000 | -.37000 | -.38300 | 1599.00000 |
| 1.046 | 7.960 | -.02000 | -.01000 | .00000 | 2.19100 | -.01000 | -.02000 | -.37700 | -.38700 | 1599.00000 |
| 1.046 | 8.980 | .01000 | -.03000 | .01000 | 2.29100 | -.02000 | -.04000 | -.38000 | -.39200 | 1599.00000 |
| 1.046 | 9.990 | -.01000 | -.02000 | .01000 | 2.35600 | -.01000 | -.03000 | -.38600 | -.39900 | 1599.00000 |
| 1.047 | 11.950 | .00000 | -.03000 | .02000 | 2.38500 | -.01000 | -.05000 | -.39700 | -.41600 | 1599.00000 |
| 1.048 | 13.940 | .00000 | -.03000 | .01000 | 2.31300 | -.02000 | -.03000 | -.41300 | -.43500 | 1599.00000 |
| 1.046 | 15.930 | .00000 | -.03000 | .00000 | 2.19600 | -.03000 | -.02000 | -.45000 | -.46400 | 1599.00000 |
| 1.047 | 17.980 | .00000 | -.03000 | .00000 | 2.11000 | -.02000 | -.03000 | -.48300 | -.48700 | 1599.00000 |
| 1.048 | 19.960 | .01000 | -.03000 | .01000 | 1.99700 | -.02000 | -.05000 | -.52200 | -.51100 | 1599.00000 |
| | GRADIENT | .00353 | -.00104 | -.00008 | .42563 | -.00146 | -.00035 | .00064 | -.00046 | -.00000 |

RUN NO. 6/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.115 | -1.950 | -.03000 | .00000 | .03000 | -1.06000 | .03000 | -.03000 | -.37300 | -.37100 | 1656.00000 |
| 1.116 | -.010 | -.01000 | .00000 | .01000 | -.22800 | .01000 | .00000 | -.36500 | -.37000 | 1656.00000 |
| 1.114 | 2.010 | .00000 | -.02000 | .01000 | .62400 | .00000 | -.03000 | -.35300 | -.36500 | 1656.00000 |
| 1.114 | 4.020 | -.01000 | -.01000 | .00000 | 1.31500 | -.01000 | .00000 | -.35700 | -.37100 | 1656.00000 |
| 1.115 | 6.030 | -.01000 | -.01000 | .02000 | 1.81000 | .00000 | -.03000 | -.36300 | -.37700 | 1656.00000 |
| 1.115 | 7.950 | -.02000 | -.02000 | .01000 | 2.10500 | -.01000 | -.02000 | -.37400 | -.38700 | 1656.00000 |
| 1.114 | 10.010 | .00000 | -.02000 | .01000 | 2.29200 | -.01000 | -.03000 | -.38200 | -.39300 | 1656.00000 |
| 1.116 | 10.980 | .00000 | -.02000 | .01000 | 2.34000 | -.01000 | -.03000 | -.38700 | -.39800 | 1656.00000 |
| 1.114 | 11.980 | .00000 | -.03000 | .02000 | 2.35100 | -.01000 | -.04000 | -.39200 | -.40700 | 1656.00000 |
| 1.114 | 13.010 | .00000 | -.03000 | .02000 | 2.33400 | -.01000 | -.04000 | -.40500 | -.41800 | 1656.00000 |
| 1.113 | 14.000 | .00000 | -.02000 | .01000 | 2.30300 | -.01000 | -.03000 | -.41600 | -.42700 | 1656.00000 |
| 1.114 | 15.050 | .00000 | -.02000 | .02000 | 2.26200 | .00000 | -.05000 | -.42900 | -.43800 | 1656.00000 |
| 1.114 | 16.020 | .01000 | -.01000 | .01000 | 2.21300 | -.01000 | -.02000 | -.44200 | -.45600 | 1656.00000 |
| 1.113 | 17.990 | .01000 | -.03000 | .02000 | 2.10100 | -.01000 | -.05000 | -.46800 | -.47400 | 1656.00000 |
| 1.115 | 20.010 | .02000 | -.02000 | .01000 | 1.98100 | -.01000 | -.04000 | -.48600 | -.48900 | 1656.00000 |
| | GRADIENT | .00349 | -.00251 | -.00450 | .40013 | -.00651 | .00298 | .00300 | .00025 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28001) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 2/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.990 | -.01000 | .02000 | .01000 | -.88700 | .02000 | .01000 | -.36300 | -.35200 | 1661.00000 |
| 1.196 | .000 | -.02000 | .00000 | .00000 | -.11600 | .00000 | -.01000 | -.35500 | -.35200 | 1661.00000 |
| 1.198 | 2.020 | -.01000 | -.03000 | .03000 | .66200 | .00000 | -.06000 | -.34000 | -.34400 | 1661.00000 |
| 1.196 | 4.020 | -.01000 | .00000 | .01000 | 1.31300 | .01000 | -.01000 | -.33600 | -.34800 | 1661.00000 |
| 1.197 | 6.020 | -.02000 | .01000 | .00000 | 1.79400 | .01000 | .01000 | -.34400 | -.35200 | 1661.00000 |
| 1.199 | 7.980 | .00000 | -.01000 | .02000 | 2.10700 | .02000 | -.03000 | -.35400 | -.36400 | 1661.00000 |
| 1.198 | 9.970 | -.01000 | -.02000 | .01000 | 2.27800 | -.01000 | -.02000 | -.36500 | -.37300 | 1661.00000 |
| 1.197 | 10.990 | -.02000 | .01000 | .01000 | 2.32100 | .02000 | .01000 | -.37000 | -.37600 | 1661.00000 |
| 1.198 | 11.970 | -.02000 | .00000 | .01000 | 2.33300 | .00000 | -.01000 | -.37500 | -.38200 | 1661.00000 |
| 1.197 | 13.010 | -.02000 | -.03000 | .02000 | 2.31900 | -.01000 | -.05000 | -.37800 | -.38600 | 1661.00000 |
| 1.197 | 13.980 | -.01000 | -.02000 | .01000 | 2.28100 | -.01000 | -.03000 | -.38800 | -.40000 | 1661.00000 |
| 1.198 | 15.010 | -.01000 | -.03000 | .01000 | 2.23500 | -.02000 | -.03000 | -.39900 | -.40800 | 1661.00000 |
| 1.198 | 16.010 | .00000 | -.03000 | .01000 | 2.18300 | -.02000 | -.04000 | -.41000 | -.41900 | 1661.00000 |
| 1.198 | 17.990 | .01000 | -.02000 | .01000 | 2.08400 | -.02000 | -.03000 | -.42400 | -.43000 | 1661.00000 |
| 1.198 | 19.980 | .02000 | -.04000 | .01000 | 1.96800 | -.02000 | -.05000 | -.45000 | -.45300 | 1661.00000 |
| | GRADIENT | .00050 | -.00449 | .00151 | .36798 | -.00149 | -.00549 | .00479 | .00100 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B002) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 38/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.950 | 4.20000 | .03000 | .01000 | -1.78400 | .04000 | .01000 | -.24700 | -.25800 | 1410.00000 |
| .898 | -.030 | 4.23000 | .02000 | .03000 | -.52700 | .05000 | .00000 | -.24900 | -.24800 | 1410.00000 |
| .899 | 1.990 | 4.20000 | -.01000 | .00000 | .87500 | .00000 | -.01000 | -.23700 | -.24600 | 1410.00000 |
| .900 | 3.030 | 4.21000 | -.01000 | .00000 | 1.52400 | -.01000 | -.01000 | -.23500 | -.24300 | 1410.00000 |
| .900 | 4.000 | 4.24000 | .01000 | .00000 | 1.97900 | .01000 | .02000 | -.23600 | -.24300 | 1410.00000 |
| .898 | 5.020 | 4.24000 | .01000 | -.01000 | 2.38500 | .01000 | .02000 | -.23600 | -.24000 | 1410.00000 |
| .900 | 6.000 | 4.26000 | .01000 | -.01000 | 2.63700 | .00000 | .02000 | -.22700 | -.23700 | 1410.00000 |
| .900 | 6.980 | 4.26000 | .00000 | -.01000 | 2.83300 | -.01000 | .01000 | -.22700 | -.23900 | 1410.00000 |
| .900 | 7.960 | 4.29000 | .01000 | .00000 | 2.94200 | .00000 | .01000 | -.23500 | -.24000 | 1410.00000 |
| .899 | 8.900 | 4.31000 | -.01000 | .00000 | 3.00000 | -.01000 | -.01000 | -.23700 | -.23200 | 1410.00000 |
| .899 | 10.020 | 4.31000 | -.02000 | .00000 | 3.02800 | -.03000 | -.02000 | -.23800 | -.24400 | 1410.00000 |
| .900 | 12.030 | 4.35000 | .00000 | -.01000 | 2.93400 | -.01000 | .01000 | -.26200 | -.26000 | 1410.00000 |
| .899 | 14.010 | 4.38000 | -.03000 | .00000 | 2.74500 | -.04000 | -.03000 | -.27500 | -.27900 | 1410.00000 |
| .900 | 16.060 | 4.40000 | -.04000 | .00000 | 2.55800 | -.04000 | -.04000 | -.29400 | -.28700 | 1410.00000 |
| .900 | 18.070 | 4.44000 | -.03000 | .00000 | 2.39500 | -.03000 | -.03000 | -.32500 | -.31300 | 1410.00000 |
| .901 | 19.980 | 4.45000 | -.03000 | .00000 | 2.22200 | -.03000 | -.04000 | -.36900 | -.35000 | 1410.00000 |
| | GRADIENT | .00333 | -.00545 | -.00333 | .64515 | -.00853 | -.00016 | .00246 | .00242 | .00000 |

RUN NO. 55/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.910 | 4.24000 | .03000 | .01000 | -1.49000 | .03000 | .02000 | -.28300 | -.28700 | 1472.00000 |
| .948 | .060 | 4.22000 | .03000 | .00000 | -.39700 | .03000 | .03000 | -.27500 | -.28300 | 1472.00000 |
| .950 | 2.110 | 4.21000 | .02000 | .01000 | .74600 | .03000 | .01000 | -.27600 | -.27000 | 1472.00000 |
| .949 | 3.070 | 4.20000 | .01000 | .01000 | 1.28300 | .02000 | .00000 | -.27300 | -.28000 | 1472.00000 |
| .949 | 4.030 | 4.19000 | .01000 | .01000 | 1.73500 | .02000 | .00000 | -.28000 | -.28000 | 1472.00000 |
| .949 | 5.030 | 4.20000 | .01000 | .01000 | 2.10500 | .02000 | .00000 | -.27900 | -.27900 | 1472.00000 |
| .947 | 6.060 | 4.20000 | .00000 | .01000 | 2.42400 | .02000 | -.01000 | -.27000 | -.27400 | 1472.00000 |
| .949 | 7.020 | 4.20000 | .02000 | -.01000 | 2.61400 | .01000 | .04000 | -.27600 | -.27400 | 1472.00000 |
| .947 | 8.080 | 4.22000 | .01000 | -.02000 | 2.78600 | -.01000 | .03000 | -.27200 | -.28000 | 1472.00000 |
| .949 | 9.040 | 4.23000 | -.02000 | -.02000 | 2.84300 | -.04000 | .00000 | -.27600 | -.28100 | 1472.00000 |
| .949 | 10.010 | 4.21000 | -.04000 | -.02000 | 2.88000 | -.06000 | -.02000 | -.26900 | -.26700 | 1472.00000 |
| .948 | 12.020 | 4.21000 | -.04000 | -.01000 | 2.80500 | -.06000 | -.03000 | -.29800 | -.29100 | 1472.00000 |
| .949 | 14.090 | 4.22000 | -.02000 | -.03000 | 2.63100 | -.06000 | .01000 | -.31900 | -.32100 | 1472.00000 |
| .949 | 16.070 | 4.22000 | -.04000 | -.02000 | 2.46300 | -.06000 | -.02000 | -.36500 | -.36100 | 1472.00000 |
| .949 | 18.040 | 4.22000 | -.06000 | .00000 | 2.30700 | -.06000 | -.05000 | -.40000 | -.37900 | 1472.00000 |
| .950 | 19.990 | 4.29000 | -.02000 | .00000 | 2.15600 | -.02000 | -.02000 | -.41400 | -.39800 | 1472.00000 |
| | GRADIENT | -.00797 | -.00390 | .00062 | .54780 | -.00181 | -.00452 | .00073 | .00150 | -.00001 |

ARC 200-1 11(LA77) OV101 (A2B002) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 16/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.960 | 4.22000 | .00000 | -.01000 | -1.14700 | -.01000 | .01000 | -.40300 | -.39900 | 1591.00000 |
| 1.047 | .000 | 4.25000 | .00000 | .00000 | -.32200 | .00000 | .00000 | -.39800 | -.39600 | 1591.00000 |
| 1.047 | 2.020 | 4.25000 | -.01000 | .00000 | .56100 | -.01000 | -.01000 | -.39800 | -.39500 | 1591.00000 |
| 1.045 | 2.990 | 4.25000 | -.01000 | .00000 | .94200 | -.01000 | -.01000 | -.40200 | -.39900 | 1591.00000 |
| 1.048 | 4.020 | 4.25000 | -.03000 | .00000 | 1.30800 | -.03000 | -.02000 | -.39800 | -.39600 | 1591.00000 |
| 1.047 | 5.020 | 4.26000 | -.02000 | -.01000 | 1.60000 | -.03000 | -.01000 | -.40400 | -.40000 | 1591.00000 |
| 1.048 | 6.040 | 4.26000 | -.01000 | .00000 | 1.83200 | -.01000 | -.02000 | -.41200 | -.40500 | 1591.00000 |
| 1.045 | 7.020 | 4.26000 | -.02000 | .00000 | 1.99500 | -.02000 | -.02000 | -.42500 | -.41800 | 1591.00000 |
| 1.046 | 8.000 | 4.28000 | -.02000 | -.01000 | 2.13000 | -.04000 | -.01000 | -.42900 | -.42400 | 1591.00000 |
| 1.046 | 9.040 | 4.30000 | -.02000 | -.01000 | 2.24200 | -.03000 | -.01000 | -.43200 | -.42800 | 1591.00000 |
| 1.045 | 10.020 | 4.30000 | -.01000 | -.02000 | 2.30400 | -.03000 | .02000 | -.43900 | -.43600 | 1591.00000 |
| 1.044 | 11.980 | 4.34000 | -.03000 | .00000 | 2.34500 | -.04000 | -.03000 | -.43800 | -.44100 | 1591.00000 |
| 1.045 | 14.000 | 4.36000 | -.01000 | -.02000 | 2.29800 | -.04000 | .01000 | -.44700 | -.45400 | 1591.00000 |
| 1.045 | 16.010 | 4.38000 | -.02000 | .00000 | 2.21600 | -.02000 | -.02000 | -.46700 | -.46500 | 1591.00000 |
| 1.045 | 17.950 | 4.40000 | -.01000 | -.02000 | 2.11500 | -.03000 | .00000 | -.49700 | -.47900 | 1591.00000 |
| 1.046 | 19.960 | 4.42000 | -.03000 | .01000 | 1.99800 | -.02000 | -.03000 | -.51700 | -.50000 | 1591.00000 |
| | GRADIENT | .00440 | -.00434 | .00147 | .41513 | -.00288 | -.00468 | .00046 | .00026 | -.00000 |

RUN NO. 7/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.115 | -1.940 | 4.20000 | .01000 | .01000 | -1.05300 | .03000 | .00000 | -.39500 | -.38600 | 1656.00000 |
| 1.114 | .010 | 4.22000 | .01000 | .01000 | -.25200 | .02000 | -.01000 | -.38700 | -.38200 | 1656.00000 |
| 1.116 | 2.020 | 4.22000 | -.02000 | .02000 | .58900 | .00000 | -.05000 | -.38500 | -.38000 | 1656.00000 |
| 1.114 | 4.030 | 4.23000 | .00000 | .00000 | 1.30100 | .00000 | -.01000 | -.38600 | -.38400 | 1656.00000 |
| 1.115 | 6.050 | 4.24000 | -.02000 | .01000 | 1.79500 | -.01000 | -.03000 | -.39300 | -.39400 | 1656.00000 |
| 1.115 | 8.000 | 4.25000 | .00000 | .00000 | 2.08800 | .00000 | .00000 | -.41300 | -.40900 | 1656.00000 |
| 1.114 | 10.040 | 4.27000 | -.02000 | .02000 | 2.27000 | .00000 | -.03000 | -.42200 | -.42200 | 1656.00000 |
| 1.114 | 11.010 | 4.30000 | -.02000 | .02000 | 2.31100 | -.01000 | -.04000 | -.42700 | -.42300 | 1656.00000 |
| 1.114 | 12.040 | 4.32000 | -.03000 | .02000 | 2.32600 | -.01000 | -.04000 | -.43100 | -.42600 | 1656.00000 |
| 1.115 | 13.080 | 4.34000 | -.03000 | .02000 | 2.31000 | -.01000 | -.04000 | -.42500 | -.42400 | 1656.00000 |
| 1.113 | 14.070 | 4.34000 | -.02000 | .01000 | 2.28400 | -.01000 | -.03000 | -.43300 | -.43300 | 1656.00000 |
| 1.114 | 15.120 | 4.35000 | -.02000 | .01000 | 2.24500 | -.01000 | -.03000 | -.44200 | -.43900 | 1656.00000 |
| 1.115 | 16.080 | 4.36000 | -.02000 | .00000 | 2.19400 | -.01000 | -.02000 | -.46200 | -.44500 | 1656.00000 |
| 1.117 | 18.030 | 4.38000 | -.02000 | .01000 | 2.08900 | -.01000 | -.02000 | -.49100 | -.46700 | 1656.00000 |
| 1.113 | 20.040 | 4.40000 | -.02000 | .01000 | 1.98100 | -.01000 | -.03000 | -.49900 | -.48200 | 1656.00000 |
| | GRADIENT | .00451 | -.00301 | -.00101 | .39667 | -.00552 | -.00349 | .00145 | .00040 | .00000 |

ARC 200-1 11(LA77) OV101 (A28002) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 3/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -1.910 | 4.24000 | .02000 | .01000 | -.87700 | .03000 | .02000 | -.39200 | -.36500 | 1697.00000 |
| 1.199 | .020 | 4.26000 | - 01000 | .02000 | -.15900 | .00000 | -.03000 | -.37600 | -.36000 | 1697.00000 |
| 1.198 | 2.020 | 4.26000 | .00000 | .00000 | .60300 | .00000 | .00000 | -.36400 | -.35800 | 1697.00000 |
| 1.198 | 4.010 | 4.26000 | -.08000 | .08000 | 1.26400 | .00000 | -.17000 | -.36300 | -.36300 | 1697.00000 |
| 1.198 | 6.020 | 4.27000 | .00000 | .00000 | 1.76600 | .00000 | .00000 | -.37100 | -.36800 | 1697.00000 |
| 1.198 | 7.990 | 4.29000 | .08000 | -.09000 | 2.08000 | -.01000 | .17000 | -.38400 | -.37900 | 1697.00000 |
| 1.196 | 10.030 | 4.31000 | .01000 | -.01000 | 2.25800 | .00000 | .02000 | -.39400 | -.39000 | 1697.00000 |
| 1.196 | 11.000 | 4.35000 | -.04000 | .04000 | 2.28400 | .00000 | -.08000 | -.39700 | -.39400 | 1697.00000 |
| 1.196 | 12.020 | 4.37000 | -.01000 | -.01000 | 2.30000 | -.01000 | .00000 | -.40500 | -.39800 | 1697.00000 |
| 1.196 | 13.080 | 4.38000 | -.04000 | .03000 | 2.29500 | -.01000 | -.07000 | -.41000 | -.40300 | 1697.00000 |
| 1.195 | 14.070 | 4.39000 | -.03000 | .02000 | 2.27200 | - 01000 | -.05000 | -.41600 | -.41000 | 1697.00000 |
| 1.197 | 15.110 | 4.40000 | -.06000 | .05000 | 2.22200 | -.02000 | -.11000 | -.42900 | -.42100 | 1697.00000 |
| 1.196 | 16.080 | 4.41000 | -.07000 | .05000 | 2.17200 | -.02000 | -.12000 | -.44900 | -.42900 | 1697.00000 |
| 1.195 | 18.030 | 4.43000 | -.07000 | .05000 | 2.07900 | -.02000 | -.12000 | -.46600 | -.44700 | 1697.00000 |
| 1.196 | 20.040 | 4.45000 | -.08000 | .06000 | 1.97500 | -.02000 | -.13000 | -.48800 | -.46900 | 1697 00000 |
| | GRADIENT | .00302 | -.01469 | .00964 | .36358 | -.00453 | -.02736 | .00500 | .00040 | .00008 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28003) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 321/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.220 | 10.01000 | -.06000 | -.03000 | 2.85900 | -.08000 | -.03000 | -.29600 | -.29400 | 1439.00000 |
| .949 | -4.160 | 10.00000 | -.04000 | -.07000 | 2.88400 | -.11000 | .03000 | -.27700 | -.27000 | 1439.00000 |
| .950 | -3.130 | 9.99000 | -.05000 | -.05000 | 2.87400 | -.10000 | .00000 | -.27000 | -.26700 | 1439.00000 |
| .949 | -2.090 | 9.98000 | -.01000 | -.07000 | 2.86800 | -.08000 | .07000 | -.25700 | -.25100 | 1439.00000 |
| .947 | -1.010 | 9.96000 | -.01000 | -.08000 | 2.86300 | -.09000 | .08000 | -.25000 | -.25100 | 1439.00000 |
| .947 | .000 | 9.97000 | .00000 | -.05000 | 2.85400 | -.05000 | .05000 | -.24700 | -.24600 | 1439.00000 |
| .948 | 1.020 | 10.00000 | -.02000 | -.06000 | 2.83900 | -.08000 | .05000 | -.24200 | -.24300 | 1439.00000 |
| .948 | 2.090 | 10.00000 | -.02000 | -.05000 | 2.85000 | -.07000 | .03000 | -.25900 | -.26100 | 1439.00000 |
| .948 | 3.150 | 9.99000 | -.03000 | -.04000 | 2.85700 | -.08000 | .01000 | -.26800 | -.27100 | 1439.00000 |
| .950 | 4.180 | 9.98000 | -.04000 | -.03000 | 2.85300 | -.07000 | -.01000 | -.27700 | -.27800 | 1439.00000 |
| .949 | 6.270 | 9.97000 | -.05000 | -.06000 | 2.80100 | -.10000 | .01000 | -.30300 | -.29100 | 1439.00000 |
| .948 | 8.380 | 9.98000 | -.01000 | -.05000 | 2.79400 | -.06000 | .04000 | -.31800 | -.32300 | 1439.00000 |
| | GRADIENT | -.00001 | .00048 | .00399 | -.00374 | .00399 | -.00383 | .00015 | -.00090 | .00000 |

RUN NO. 8/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.118 | -6.160 | 10.12000 | .00000 | .02000 | 2.29800 | .03000 | -.02000 | -.42200 | -.41800 | 1658.00000 |
| 1.116 | -4.110 | 10.10000 | -.02000 | .02000 | 2.30900 | .01000 | -.04000 | -.40800 | -.41200 | 1658.00000 |
| 1.115 | -3.080 | 10.08000 | -.02000 | .01000 | 2.30600 | -.01000 | -.03000 | -.39800 | -.40600 | 1658.00000 |
| 1.116 | -2.030 | 10.06000 | -.01000 | .01000 | 2.30700 | .00000 | -.02000 | -.39300 | -.40000 | 1658.00000 |
| 1.115 | -.980 | 10.03000 | .00000 | .00000 | 2.30300 | .00000 | -.01000 | -.38500 | -.39600 | 1658.00000 |
| 1.114 | .010 | 10.02000 | -.01000 | .00000 | 2.29300 | -.01000 | -.01000 | -.38500 | -.39400 | 1658.00000 |
| 1.116 | 1.070 | 10.09000 | -.03000 | .02000 | 2.29100 | -.01000 | -.04000 | -.39000 | -.40000 | 1658.00000 |
| 1.117 | 2.140 | 10.10000 | -.01000 | .00000 | 2.29300 | -.01000 | -.02000 | -.39700 | -.40700 | 1658.00000 |
| 1.114 | 3.200 | 10.10000 | -.01000 | .00000 | 2.28400 | -.01000 | -.01000 | -.41200 | -.41200 | 1658.00000 |
| 1.115 | 4.260 | 10.08000 | -.01000 | .00000 | 2.26800 | -.01000 | -.01000 | -.42200 | -.42000 | 1658.00000 |
| 1.115 | 6.370 | 10.08000 | -.02000 | .01000 | 2.23800 | -.01000 | -.03000 | -.43900 | -.43300 | 1658.00000 |
| 1.116 | 8.480 | 10.10000 | -.02000 | .00000 | 2.23500 | -.02000 | -.02000 | -.44600 | -.43600 | 1658.00000 |
| | GRADIENT | .00195 | .00065 | -.00176 | -.00431 | -.00175 | .00240 | -.00179 | -.00110 | -.00001 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B003) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936 7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 4/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -6.180 | 10.10000 | -.02000 | .02000 | 2.27600 | .00000 | -.04000 | -.40000 | -.39500 | 1705.00000 |
| 1.196 | -4.120 | 10.08000 | -.02000 | .02000 | 2.28700 | .00000 | -.04000 | -.38800 | -.38700 | 1705.00000 |
| 1.197 | -3.090 | 10.07000 | -.02000 | .01000 | 2.28700 | -.01000 | -.03000 | -.38100 | -.38600 | 1705.00000 |
| 1.196 | -2.040 | 10.05000 | .00000 | .00000 | 2.28700 | .00000 | -.01000 | -.37400 | -.38100 | 1705.00000 |
| 1.196 | -.980 | 10.03000 | -.02000 | .01000 | 2.28300 | -.01000 | -.03000 | -.36800 | -.37700 | 1705.00000 |
| 1.196 | .000 | 10.02000 | -.02000 | .01000 | 2.28000 | -.01000 | -.02000 | -.36600 | -.37400 | 1705.00000 |
| 1.195 | 1.080 | 10.09000 | -.02000 | .01000 | 2.28200 | -.01000 | -.03000 | -.37000 | -.37700 | 1705.00000 |
| 1.196 | 2.140 | 10.10000 | -.02000 | .01000 | 2.27400 | -.01000 | -.03000 | -.37600 | -.38100 | 1705.00000 |
| 1.196 | 3.210 | 10.10000 | -.02000 | .00000 | 2.26300 | -.01000 | -.02000 | -.38400 | -.38400 | 1705.00000 |
| 1.194 | 4.270 | 10.08000 | -.01000 | -.01000 | 2.25000 | -.02000 | .00000 | -.39400 | -.38900 | 1705.00000 |
| 1.196 | 6.390 | 10.07000 | -.01000 | .00000 | 2.23100 | -.01000 | -.01000 | -.40700 | -.40100 | 1705.00000 |
| 1.197 | 8.500 | 10.09000 | -.02000 | .01000 | 2.23500 | -.01000 | -.03000 | -.41000 | -.40200 | 1705.00000 |
| | GRADIENT | .00401 | .00001 | -.00207 | -.00394 | -.00159 | .00239 | -.00064 | -.00004 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A28004) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 322/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -6.220 | 10.03000 | -.01000 | -.09000 | 2.84200 | -.10000 | .08000 | -.29500 | -.29800 | 1445.00000 |
| .950 | -4.140 | 9.99000 | -.05000 | -.04000 | 2.88300 | -.09000 | .00000 | -.27500 | -.27400 | 1445.00000 |
| .951 | -3.100 | 9.99000 | -.01000 | -.04000 | 2.86900 | -.05000 | .03000 | -.26600 | -.26100 | 1445.00000 |
| .949 | -2.060 | 9.97000 | .01000 | -.08000 | 2.87200 | -.07000 | .09000 | -.25900 | -.26300 | 1445.00000 |
| .949 | -.990 | 9.95000 | -.01000 | -.08000 | 2.86100 | -.09000 | .07000 | -.25600 | -.24700 | 1445.00000 |
| .948 | .010 | 9.99000 | .02000 | -.06000 | 2.86000 | -.04000 | .08000 | -.25700 | -.25500 | 1445.00000 |
| .950 | 1.080 | 10.03000 | -.05000 | -.05000 | 2.84400 | -.10000 | .00000 | -.25700 | -.25900 | 1445.00000 |
| .947 | 2.140 | 10.01000 | -.02000 | -.07000 | 2.84900 | -.09000 | .05000 | -.25300 | -.25700 | 1445.00000 |
| .951 | 3.190 | 10.01000 | -.03000 | -.05000 | 2.83300 | -.09000 | .02000 | -.26200 | -.26600 | 1445.00000 |
| .947 | 4.220 | 9.99000 | .02000 | -.06000 | 2.85500 | -.04000 | .08000 | -.27400 | -.27500 | 1445.00000 |
| .947 | 6.310 | 9.96000 | .02000 | -.04000 | 2.81500 | -.02000 | .06000 | -.29300 | -.29800 | 1445.00000 |
| .949 | 8.380 | 9.98000 | .00000 | -.04000 | 2.78800 | -.05000 | .04000 | -.32600 | -.32300 | 1445.00000 |
| | GRADIENT | .00350 | .00189 | -.00096 | -.00451 | .00045 | .00221 | .00043 | -.00030 | .00000 |

RUN NO. 9/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.116 | -6.160 | 10.13000 | .00000 | .03000 | 2.29900 | .02000 | -.03000 | -.42400 | -.41900 | 1655.00000 |
| 1.116 | -4.080 | 10.09000 | -.01000 | .04000 | 2.31100 | .02000 | -.05000 | -.40700 | -.40900 | 1655.00000 |
| 1.115 | -3.040 | 10.08000 | -.01000 | .03000 | 2.30800 | .02000 | -.04000 | -.40100 | -.40700 | 1655.00000 |
| 1.115 | -2.000 | 10.06000 | .00000 | .02000 | 2.30700 | .03000 | -.02000 | -.39200 | -.40300 | 1655.00000 |
| 1.115 | -.970 | 10.03000 | .00000 | .02000 | 2.30200 | .02000 | -.02000 | -.38600 | -.39800 | 1655.00000 |
| 1.116 | .020 | 10.07000 | .00000 | .03000 | 2.29500 | .02000 | -.03000 | -.38700 | -.39500 | 1655.00000 |
| 1.116 | 1.120 | 10.10000 | -.01000 | .03000 | 2.29100 | .02000 | -.03000 | -.38900 | -.40000 | 1655.00000 |
| 1.117 | 2.190 | 10.09000 | .00000 | .03000 | 2.29200 | .03000 | -.03000 | -.40100 | -.40800 | 1655.00000 |
| 1.116 | 3.240 | 10.08000 | .00000 | .03000 | 2.28500 | .03000 | -.03000 | -.41200 | -.41300 | 1655.00000 |
| 1.116 | 4.300 | 10.09000 | -.01000 | .03000 | 2.26800 | .01000 | -.04000 | -.42000 | -.42000 | 1655.00000 |
| 1.116 | 6.400 | 10.08000 | -.02000 | .01000 | 2.24200 | -.01000 | -.03000 | -.44000 | -.43400 | 1655.00000 |
| 1.115 | 8.480 | 10.10000 | -.02000 | .00000 | 2.23600 | -.02000 | -.02000 | -.44500 | -.43700 | 1655.00000 |
| | GRADIENT | .00209 | .00031 | -.00016 | -.00449 | -.00016 | .00062 | -.00172 | -.00120 | -.00001 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B004) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 5/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -6.190 | 10.13000 | -.01000 | .02000 | 2.27700 | .01000 | -.03000 | -.39900 | -.39300 | 1713.00000 |
| 1.196 | -4.090 | 10.10000 | .00000 | .02000 | 2.28500 | .02000 | -.02000 | -.38900 | -.38600 | 1713.00000 |
| 1.196 | -3.050 | 10.09000 | .00000 | .02000 | 2.28800 | .02000 | -.01000 | -.38100 | -.38600 | 1713.00000 |
| 1.196 | -2.000 | 10.07000 | .00000 | .02000 | 2.29000 | .02000 | -.02000 | -.37600 | -.38300 | 1713.00000 |
| 1.196 | -.970 | 10.04000 | -.01000 | .03000 | 2.28700 | .02000 | -.04000 | -.37200 | -.37900 | 1713.00000 |
| 1.197 | .020 | 10.06000 | -.01000 | .03000 | 2.28600 | .02000 | -.05000 | -.36600 | -.37500 | 1713.00000 |
| 1.196 | 1.110 | 10.11000 | -.01000 | .03000 | 2.28300 | .02000 | -.04000 | -.37000 | -.37800 | 1713.00000 |
| 1.196 | 2.190 | 10.10000 | -.01000 | .03000 | 2.27600 | .02000 | -.04000 | -.37600 | -.38300 | 1713.00000 |
| 1.197 | 3.250 | 10.08000 | -.01000 | .02000 | 2.26500 | .01000 | -.04000 | -.38600 | -.38800 | 1713.00000 |
| 1.197 | 4.300 | 10.08000 | -.01000 | .02000 | 2.25400 | .01000 | -.04000 | -.39300 | -.38900 | 1713.00000 |
| 1.197 | 6.420 | 10.07000 | -.02000 | .02000 | 2.23100 | -.01000 | -.04000 | -.40600 | -.40000 | 1713.00000 |
| 1.197 | 8.500 | 10.09000 | -.02000 | .01000 | 2.23600 | -.01000 | -.03000 | -.41100 | -.40300 | 1713.00000 |
| | GRADIENT | .00034 | -.00142 | .00030 | -.00359 | -.00112 | -.00331 | -.00049 | -.00028 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B005) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 46/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -1.990 | -.03000 | 9.99000 | -.07000 | -.48000 | 9.92000 | 10.06000 | -.24600 | -.24800 | 1412.00000 |
| .900 | .000 | -.03000 | 9.99000 | -.07000 | .80000 | 9.92000 | 10.06000 | -.23800 | -.24600 | 1412.00000 |
| .901 | 2.020 | -.02000 | 10.00000 | -.08000 | 2.03200 | 9.92000 | 10.09000 | -.24000 | -.24200 | 1412.00000 |
| .900 | 2.990 | -.02000 | 9.98000 | -.09000 | 2.50400 | 9.89000 | 10.06000 | -.23800 | -.24100 | 1412.00000 |
| .900 | 4.030 | -.02000 | 9.89000 | -.09000 | 2.88300 | 9.79000 | 9.98000 | -.23700 | -.24000 | 1412.00000 |
| .899 | 5.070 | -.02000 | 9.85000 | -.07000 | 3.14500 | 9.78000 | 9.91000 | -.23800 | -.24600 | 1412.00000 |
| .899 | 5.990 | -.03000 | 9.92000 | .00000 | 3.28700 | 9.92000 | 9.92000 | -.23500 | -.24600 | 1412.00000 |
| .901 | 7.040 | -.02000 | 9.89000 | .01000 | 3.31800 | 9.90000 | 9.89000 | -.24100 | -.24500 | 1412.00000 |
| .899 | 7.980 | -.03000 | 9.97000 | .00000 | 3.28300 | 9.97000 | 9.98000 | -.24100 | -.25600 | 1412.00000 |
| .900 | 8.990 | -.01000 | 9.96000 | .00000 | 3.23000 | 9.96000 | 9.97000 | -.24100 | -.25500 | 1412.00000 |
| .901 | 10.020 | -.02000 | 9.94000 | .01000 | 3.17400 | 9.94000 | 9.93000 | -.24500 | -.26200 | 1412.00000 |
| .900 | 12.000 | -.02000 | 9.96000 | .01000 | 2.97000 | 9.98000 | 9.95000 | -.26200 | -.27700 | 1412.00000 |
| .900 | 13.990 | -.01000 | 9.93000 | .00000 | 2.72700 | 9.94000 | 9.93000 | -.29100 | -.31000 | 1412.00000 |
| .898 | 16.110 | .00000 | 9.92000 | .01000 | 2.49100 | 9.93000 | 9.91000 | -.31100 | -.33600 | 1412.00000 |
| .902 | 18.020 | .01000 | 9.99000 | .01000 | 2.29700 | 10.00000 | 9.97000 | -.36500 | -.35900 | 1412.00000 |
| .900 | 19.960 | .03000 | 10.04000 | .00000 | 2.14000 | 10.04000 | 10.05000 | -.39700 | -.39900 | 1412.00000 |
| | GRADIENT | .00207 | -.01167 | -.00387 | .56928 | -.01667 | -.00822 | .00123 | .00141 | -.00001 |

RUN NO. 323/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.970 | -.04000 | 9.95000 | .02000 | -.43700 | 9.97000 | 9.94000 | -.27700 | -.28000 | 1448.00000 |
| .947 | -.050 | -.03000 | 10.02000 | -.06000 | .62100 | 9.96000 | 10.08000 | -.27400 | -.27800 | 1448.00000 |
| .949 | 1.980 | -.02000 | 10.06000 | -.05000 | 1.67100 | 10.01000 | 10.11000 | -.27800 | -.27500 | 1448.00000 |
| .950 | 3.950 | -.02000 | 9.95000 | -.01000 | 2.36000 | 9.94000 | 9.95000 | -.27500 | -.26300 | 1448.00000 |
| .949 | 5.960 | -.03000 | 9.97000 | -.05000 | 2.81200 | 9.92000 | 10.02000 | -.27100 | -.26900 | 1448.00000 |
| .948 | 7.970 | -.03000 | 9.99000 | -.06000 | 2.97900 | 9.93000 | 10.05000 | -.27700 | -.27700 | 1448.00000 |
| .949 | 9.950 | -.01000 | 9.96000 | -.06000 | 2.95600 | 9.91000 | 10.02000 | -.29000 | -.27800 | 1448.00000 |
| .948 | 11.960 | .00000 | 10.00000 | -.05000 | 2.80300 | 9.95000 | 10.05000 | -.29600 | -.30600 | 1448.00000 |
| .946 | 13.930 | .01000 | 9.96000 | -.04000 | 2.60400 | 9.91000 | 10.00000 | -.33600 | -.33300 | 1448.00000 |
| .951 | 15.980 | .02000 | 10.00000 | -.04000 | 2.39900 | 9.96000 | 10.05000 | -.37800 | -.36900 | 1448.00000 |
| .951 | 17.960 | .04000 | 9.97000 | -.04000 | 2.24100 | 9.93000 | 10.02000 | -.40500 | -.40000 | 1448.00000 |
| | GRADIENT | .00353 | .00196 | -.00394 | .47693 | -.00198 | .00287 | .00009 | .00273 | .00000 |

ARC 200-1 11(LA77) OV101 (A28005) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 11/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.020 | -.01000 | 10.00000 | -.07000 | -.36200 | 9.93000 | 10.07000 | -.41200 | -.41100 | 1597.00000 |
| 1.047 | .050 | -.01000 | 10.00000 | -.07000 | .50400 | 9.93000 | 10.07000 | -.39000 | -.39700 | 1597.00000 |
| 1.048 | 2.070 | -.01000 | 10.00000 | -.08000 | 1.27200 | 9.92000 | 10.08000 | -.38500 | -.39700 | 1597.00000 |
| 1.046 | 4.080 | -.01000 | 10.00000 | -.07000 | 1.85000 | 9.93000 | 10.08000 | -.39400 | -.40600 | 1597.00000 |
| 1.045 | 5.090 | -.01000 | 10.01000 | -.08000 | 2.05900 | 9.93000 | 10.09000 | -.40300 | -.41200 | 1597.00000 |
| 1.048 | 6.100 | -.01000 | 9.99000 | -.07000 | 2.22600 | 9.92000 | 10.06000 | -.40100 | -.40800 | 1597.00000 |
| 1.047 | 7.070 | -.02000 | 9.97000 | -.05000 | 2.34200 | 9.92000 | 10.02000 | -.41000 | -.41400 | 1597.00000 |
| 1.047 | 8.030 | -.02000 | 10.00000 | -.08000 | 2.41800 | 9.92000 | 10.08000 | -.41300 | -.42000 | 1597.00000 |
| 1.047 | 9.070 | .01000 | 10.00000 | -.09000 | 2.46700 | 9.92000 | 10.09000 | -.41800 | -.42500 | 1597.00000 |
| 1.047 | 10.080 | -.01000 | 9.98000 | -.06000 | 2.48300 | 9.92000 | 10.04000 | -.42200 | -.43100 | 1597.00000 |
| 1.044 | 11.030 | .00000 | 9.98000 | -.07000 | 2.47600 | 9.92000 | 10.05000 | -.43100 | -.44000 | 1597.00000 |
| 1.047 | 12.040 | -.01000 | 9.99000 | -.08000 | 2.45100 | 9.92000 | 10.07000 | -.43100 | -.44200 | 1597.00000 |
| 1.047 | 14.040 | -.01000 | 9.98000 | -.07000 | 2.34300 | 9.91000 | 10.05000 | -.45300 | -.46300 | 1597.00000 |
| 1.045 | 16.030 | .00000 | 9.98000 | -.08000 | 2.20000 | 9.90000 | 10.06000 | -.48000 | -.48900 | 1597.00000 |
| 1.044 | 17.990 | .00000 | 9.98000 | -.06000 | 2.08100 | 9.92000 | 10.03000 | -.50600 | -.51200 | 1597.00000 |
| 1.046 | 20.030 | .01000 | 9.97000 | -.07000 | 1.96100 | 9.90000 | 10.04000 | -.52900 | -.53100 | 1597.00000 |
| | GRADIENT | .00000 | .00000 | -.00050 | .36455 | -.00050 | .00197 | .00293 | .00076 | .00000 |

ARC 200-1 11(LA77) OV101 (A28006) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 47/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.960 | -.04000 | -10.00000 | .00000 | -2.92100 | -10.00000 | -10.00000 | -.20900 | -.21800 | 1411.00000 |
| .899 | .000 | -.03000 | -10.00000 | -.02000 | -2.09100 | -10.02000 | -9.98000 | -.19900 | -.21200 | 1411.00000 |
| .900 | 2.040 | -.03000 | -10.03000 | .00000 | -.89500 | -10.02000 | -10.03000 | -.19900 | -.20800 | 1411.00000 |
| .900 | 2.950 | -.02000 | -10.03000 | -.02000 | -.27300 | -10.05000 | -10.01000 | -.19600 | -.21400 | 1411.00000 |
| .899 | 3.990 | -.02000 | -10.06000 | -.02000 | .40500 | -10.09000 | -10.04000 | -.19900 | -.20900 | 1411.00000 |
| .901 | 5.020 | -.02000 | -10.06000 | -.05000 | 1.04400 | -10.11000 | -10.01000 | -.19200 | -.20900 | 1411.00000 |
| .899 | 5.950 | -.03000 | -10.05000 | -.05000 | 1.52000 | -10.10000 | -10.00000 | -.19300 | -.21000 | 1411.00000 |
| .900 | 7.030 | -.03000 | -10.03000 | -.03000 | 1.93400 | -10.06000 | -9.99000 | -.19200 | -.20500 | 1411.00000 |
| .899 | 8.000 | -.04000 | -10.00000 | -.02000 | 2.19600 | -10.03000 | -9.98000 | -.19100 | -.20600 | 1411.00000 |
| .898 | 8.990 | -.02000 | -9.99000 | -.01000 | 2.30200 | -10.00000 | -9.98000 | -.18600 | -.20400 | 1411.00000 |
| .902 | 10.020 | -.01000 | -9.97000 | -.02000 | 2.41900 | -9.99000 | -9.95000 | -.19500 | -.20700 | 1411.00000 |
| .899 | 12.020 | -.01000 | -9.98000 | -.01000 | 2.51600 | -9.99000 | -9.97000 | -.20700 | -.21700 | 1411.00000 |
| .900 | 13.980 | -.01000 | -9.97000 | -.02000 | 2.44800 | -9.99000 | -9.95000 | -.22900 | -.23700 | 1411.00000 |
| .898 | 16.010 | .00000 | -9.97000 | -.03000 | 2.34300 | -10.00000 | -9.94000 | -.25400 | -.25600 | 1411.00000 |
| .899 | 18.060 | .00000 | -9.99000 | -.02000 | 2.20500 | -10.01000 | -9.97000 | -.27700 | -.28300 | 1411.00000 |
| .900 | 20.030 | .02000 | -9.95000 | -.02000 | 2.07200 | -9.97000 | -9.93000 | -.32700 | -.32200 | 1411.00000 |
| | GRADIENT | .00329 | -.00969 | -.00240 | .56294 | -.01294 | -.00729 | .00168 | .00120 | -.00000 |

RUN NO. 317/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.940 | -.03000 | -9.92000 | .01000 | -2.62800 | -9.91000 | -9.92000 | -.22500 | -.23000 | 1398.00000 |
| .949 | .050 | -.04000 | -9.92000 | .00000 | -1.81500 | -9.92000 | -9.92000 | -.22300 | -.22200 | 1398.00000 |
| .947 | 2.050 | -.03000 | -9.94000 | .00000 | -.71800 | -9.93000 | -9.94000 | -.20400 | -.20800 | 1398.00000 |
| .950 | 4.050 | -.03000 | -9.97000 | .02000 | .48900 | -9.95000 | -9.99000 | -.21400 | -.21100 | 1398.00000 |
| .950 | 6.120 | -.02000 | -9.94000 | .02000 | 1.49700 | -9.92000 | -9.96000 | -.21300 | -.21100 | 1398.00000 |
| .949 | 8.090 | .01000 | -9.92000 | .00000 | 2.04900 | -9.92000 | -9.93000 | -.22500 | -.22400 | 1398.00000 |
| .948 | 10.090 | .01000 | -9.93000 | .02000 | 2.37600 | -9.91000 | -9.96000 | -.23300 | -.24000 | 1398.00000 |
| .948 | 12.080 | .04000 | -9.95000 | -.01000 | 2.45300 | -9.95000 | -9.94000 | -.25300 | -.25100 | 1398.00000 |
| .948 | 14.020 | .07000 | -9.94000 | .00000 | 2.40300 | -9.94000 | -9.94000 | -.27300 | -.27600 | 1398.00000 |
| .948 | 16.110 | .09000 | -9.91000 | -.03000 | 2.31500 | -9.94000 | -9.88000 | -.29400 | -.30800 | 1398.00000 |
| .950 | 18.080 | .08000 | -10.02000 | .04000 | 2.20300 | -9.98000 | -10.06000 | -.33300 | -.32700 | 1398.00000 |
| | GRADIENT | .00050 | -.00852 | .00151 | .52324 | -.00651 | -.01152 | .00260 | .00355 | -.00009 |

ARC 200-1 11(LA77) OV101 (A28006) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 12/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -2.070 | -.03000 | -9.97000 | .00000 | -1.91300 | -9.97000 | -9.98000 | -.37100 | -.34400 | 1598.00000 |
| 1.047 | -.120 | -.01000 | -9.99000 | -.03000 | -1.24000 | -10.02000 | -9.96000 | -.35900 | -.33900 | 1598.00000 |
| 1.047 | 1.910 | -.01000 | -9.99000 | -.02000 | -.37600 | -10.01000 | -9.97000 | -.35500 | -.34200 | 1598.00000 |
| 1.047 | 3.000 | -.01000 | -10.00000 | -.01000 | .09900 | -10.01000 | -9.98000 | -.35700 | -.34600 | 1598.00000 |
| 1.048 | 3.930 | -.01000 | -10.00000 | -.01000 | .45000 | -10.01000 | -10.00000 | -.35600 | -.34800 | 1598.00000 |
| 1.047 | 4.920 | -.01000 | -9.99000 | -.02000 | .78300 | -10.01000 | -9.97000 | -.36200 | -.35200 | 1598.00000 |
| 1.048 | 5.930 | -.01000 | -9.98000 | -.02000 | 1.07100 | -10.00000 | -9.96000 | -.36200 | -.35300 | 1598.00000 |
| 1.047 | 6.900 | -.02000 | -9.99000 | -.01000 | 1.31500 | -10.01000 | -9.98000 | -.37100 | -.36000 | 1598.00000 |
| 1.045 | 7.870 | -.02000 | -9.99000 | -.02000 | 1.56500 | -10.01000 | -9.97000 | -.37700 | -.37100 | 1598.00000 |
| 1.047 | 8.900 | .01000 | -9.99000 | -.02000 | 1.78000 | -10.01000 | -9.97000 | -.38000 | -.37900 | 1598.00000 |
| 1.046 | 9.920 | -.01000 | -9.99000 | -.02000 | 1.92400 | -10.01000 | -9.96000 | -.38800 | -.39100 | 1598.00000 |
| 1.045 | 11.890 | -.01000 | -9.99000 | -.03000 | 2.09300 | -10.01000 | -9.96000 | -.41200 | -.41300 | 1598.00000 |
| 1.047 | 13.830 | .00000 | -9.99000 | -.03000 | 2.11800 | -10.01000 | -9.96000 | -.42000 | -.42900 | 1598.00000 |
| 1.046 | 15.880 | .00000 | -9.98000 | -.03000 | 2.08200 | -10.01000 | -9.96000 | -.44000 | -.44900 | 1598.00000 |
| 1.044 | 17.850 | .00000 | -10.02000 | -.02000 | 2.01800 | -10.03000 | -10.00000 | -.48100 | -.48000 | 1598.00000 |
| 1.046 | 19.900 | .02000 | -10.00000 | -.01000 | 1.95400 | -10.01000 | -9.99000 | -.50300 | -.48400 | 1598.00000 |
| | GRADIENT | .00233 | -.00323 | -.00084 | .39504 | -.00407 | -.00150 | .00137 | -.00129 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B007) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 48/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.950 | -.03000 | -10.09000 | 5.02000 | -2.81800 | -5.07000 | -15.10000 | -.22800 | -.23100 | 1410.00000 |
| .900 | .040 | -.02000 | -10.10000 | 5.02000 | -1.96600 | -5.08000 | -15.12000 | -.21400 | -.22100 | 1410.00000 |
| .901 | 2.010 | -.02000 | -10.09000 | 5.04000 | -.83800 | -5.06000 | -15.13000 | -.21500 | -.22300 | 1410.00000 |
| .899 | 3.030 | -.01000 | -10.08000 | 5.02000 | -.18900 | -5.07000 | -15.10000 | -.20700 | -.21400 | 1410.00000 |
| .899 | 3.980 | -.01000 | -10.06000 | 5.00000 | .42900 | -5.06000 | -15.06000 | -.21000 | -.21400 | 1410.00000 |
| .899 | 5.020 | -.01000 | -10.07000 | 5.01000 | 1.00600 | -5.06000 | -15.07000 | -.20400 | -.21100 | 1410.00000 |
| .900 | 5.950 | -.02000 | -10.05000 | 5.00000 | 1.49000 | -5.05000 | -15.05000 | -.20400 | -.21400 | 1410.00000 |
| .898 | 7.020 | -.02000 | -10.07000 | 5.02000 | 1.88000 | -5.05000 | -15.09000 | -.19800 | -.20900 | 1410.00000 |
| .900 | 7.990 | -.03000 | -10.07000 | 5.04000 | 2.11980 | -5.03000 | -15.11000 | -.19700 | -.20700 | 1410.00000 |
| .899 | 9.000 | -.01000 | -10.04000 | 5.04000 | 2.30700 | -5.01000 | -15.08000 | -.19900 | -.21100 | 1410.00000 |
| .899 | 10.010 | -.01000 | -10.05000 | 5.03000 | 2.43700 | -5.02000 | -15.08000 | -.20200 | -.21100 | 1410.00000 |
| .900 | 12.020 | -.01000 | -10.05000 | 5.05000 | 2.52600 | -5.01000 | -15.10000 | -.21300 | -.22300 | 1410.00000 |
| .898 | 13.980 | -.01000 | -10.08000 | 5.03000 | 2.47200 | -5.05000 | -15.10000 | -.23800 | -.23900 | 1410.00000 |
| .899 | 16.020 | -.01000 | -10.08000 | 5.03000 | 2.34000 | -5.05000 | -15.11000 | -.27200 | -.25400 | 1410.00000 |
| .899 | 18.050 | -.01000 | -10.08000 | 5.02000 | 2.20900 | -5.06000 | -15.10000 | -.29100 | -.28600 | 1410.00000 |
| .899 | 20.030 | .01000 | -10.08000 | 5.03000 | 2.07700 | -5.05000 | -15.10000 | -.33500 | -.32700 | 1410.00000 |
| | GRADIENT | .00331 | .00469 | -.00173 | .55021 | .00199 | .00494 | .00299 | .00271 | -.00000 |

RUN NO. 318/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.930 | -.04000 | -10.09000 | 5.00000 | -2.44500 | -5.09000 | -15.08000 | -.24700 | -.25200 | 1420.00000 |
| .949 | .040 | -.04000 | -10.10000 | 5.01000 | -1.70100 | -5.09000 | -15.11000 | -.23900 | -.23500 | 1420.00000 |
| .949 | 2.040 | -.03000 | -10.11000 | 5.01000 | -.70100 | -5.10000 | -15.13000 | -.22800 | -.23400 | 1420.00000 |
| .949 | 4.060 | -.02000 | -10.11000 | 5.01000 | .45100 | -5.11000 | -15.12000 | -.22300 | -.22100 | 1420.00000 |
| .949 | 6.080 | -.01000 | -10.08000 | 5.02000 | 1.43700 | -5.06000 | -15.09000 | -.22500 | -.22600 | 1420.00000 |
| .947 | 8.140 | .02000 | -10.07000 | 5.01000 | 2.04000 | -5.06000 | -15.08000 | -.22800 | -.22400 | 1420.00000 |
| .949 | 10.100 | .02000 | -10.09000 | 5.03000 | 2.33600 | -5.06000 | -15.12000 | -.23400 | -.23100 | 1420.00000 |
| .948 | 12.090 | .03000 | -9.98000 | 5.02000 | 2.42100 | -4.96000 | -15.00000 | -.25600 | -.25600 | 1420.00000 |
| .948 | 14.110 | .06000 | -10.07000 | 5.01000 | 2.38800 | -5.06000 | -15.08000 | -.27200 | -.28000 | 1420.00000 |
| .950 | 16.160 | .08000 | -10.07000 | 4.99000 | 2.29600 | -5.09000 | -15.06000 | -.30600 | -.30700 | 1420.00000 |
| .948 | 18.100 | .10000 | -10.10000 | 5.00000 | 2.18900 | -5.09000 | -15.10000 | -.34000 | -.33400 | 1420.00000 |
| | GRADIENT | .00351 | -.00350 | .00150 | .48537 | -.00351 | -.00699 | .00415 | .00470 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B007) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 13/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -2.070 | -.03000 | -10.06000 | 4.98000 | -1.86200 | -5.07000 | -15.04000 | -.37700 | -.35200 | 1591.00000 |
| 1.046 | -.130 | -.02000 | -10.08000 | 4.99000 | -1.21800 | -5.09000 | -15.07000 | -.37200 | -.34900 | 1591.00000 |
| 1.045 | 1.890 | -.01000 | -10.07000 | 4.98000 | -.37000 | -5.09000 | -15.05000 | -.37200 | -.34800 | 1591.00000 |
| 1.047 | 2.880 | -.01000 | -10.07000 | 4.98000 | .05400 | -5.09000 | -15.05000 | -.37200 | -.34800 | 1591.00000 |
| 1.046 | 3.920 | -.01000 | -10.09000 | 4.99000 | .46600 | -5.09000 | -15.08000 | -.37600 | -.35400 | 1591.00000 |
| 1.047 | 4.910 | -.01000 | -10.11000 | 5.01000 | .80000 | -5.10000 | -15.12000 | -.37700 | -.35800 | 1591.00000 |
| 1.045 | 5.920 | -.02000 | -10.08000 | 4.98000 | 1.09200 | -5.10000 | -15.07000 | -.38200 | -.36700 | 1591.00000 |
| 1.046 | 6.900 | -.02000 | -10.10000 | 5.01000 | 1.34700 | -5.09000 | -15.12000 | -.38200 | -.37200 | 1591.00000 |
| 1.047 | 7.860 | -.03000 | -10.10000 | 5.02000 | 1.57200 | -5.08000 | -15.11000 | -.38700 | -.37800 | 1591.00000 |
| 1.045 | 8.890 | .01000 | -10.09000 | 5.01000 | 1.75300 | -5.08000 | -15.11000 | -.39700 | -.38900 | 1591.00000 |
| 1.047 | 9.910 | -.01000 | -10.09000 | 5.01000 | 1.90000 | -5.08000 | -15.11000 | -.40000 | -.39600 | 1591.00000 |
| 1.044 | 11.870 | -.02000 | -10.08000 | 5.01000 | 2.06400 | -5.08000 | -15.09000 | -.41600 | -.41400 | 1591.00000 |
| 1.044 | 13.870 | -.01000 | -10.08000 | 5.03000 | 2.09700 | -5.06000 | -15.11000 | -.42800 | -.43000 | 1591.00000 |
| 1.045 | 15.870 | -.01000 | -10.08000 | 5.00000 | 2.06900 | -5.08000 | -15.08000 | -.44800 | -.45100 | 1591.00000 |
| 1.046 | 17.830 | -.01000 | -10.07000 | 5.01000 | 2.01300 | -5.06000 | -15.08000 | -.47600 | -.47200 | 1591.00000 |
| 1.046 | 19.890 | .00000 | -10.07000 | 5.01000 | 1.94300 | -5.07000 | -15.08000 | -.50200 | -.49500 | 1591.00000 |
| | GRADIENT | .00293 | -.00530 | .00265 | .39051 | -.00322 | -.00796 | -.00010 | -.00072 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B008) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 36/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.970 | 4.24000 | -10.12000 | 5.04000 | -2.80000 | -5.08000 | -15.16000 | -.24000 | -.24100 | 1385.00000 |
| .901 | .030 | 4.21000 | -10.12000 | 5.03000 | -1.94700 | -5.09000 | -15.14000 | -.23500 | -.23600 | 1385.00000 |
| .899 | 2.020 | 4.18000 | -10.13000 | 5.03000 | -.83300 | -5.10000 | -15.16000 | -.23400 | -.23600 | 1385.00000 |
| .900 | 3.040 | 4.17000 | -10.12000 | 5.02000 | -.15200 | -5.10000 | -15.14000 | -.23300 | -.22700 | 1385.00000 |
| .898 | 4.020 | 4.18000 | -10.11000 | 5.00000 | .50700 | -5.11000 | -15.12000 | -.22900 | -.23600 | 1385.00000 |
| .900 | 5.010 | 4.24000 | -10.06000 | 4.97000 | 1.10900 | -5.09000 | -15.04000 | -.22900 | -.22800 | 1385.00000 |
| .899 | 5.970 | 4.23000 | -10.09000 | 4.98000 | 1.59100 | -5.11000 | -15.07000 | -.22300 | -.22800 | 1385.00000 |
| .900 | 7.010 | 4.24000 | -10.04000 | 4.96000 | 1.99600 | -5.08000 | -15.00000 | -.23000 | -.22400 | 1385.00000 |
| .900 | 8.030 | 4.22000 | -10.03000 | 4.98000 | 2.21300 | -5.05000 | -15.02000 | -.21900 | -.22500 | 1385.00000 |
| .899 | 9.020 | 4.24000 | -10.02000 | 4.99000 | 2.37800 | -5.03000 | -15.01000 | -.21900 | -.22700 | 1385.00000 |
| .901 | 10.020 | 4.34000 | -10.00000 | 4.99000 | 2.47500 | -5.01000 | -14.99000 | -.23000 | -.23100 | 1385.00000 |
| .899 | 12.070 | 4.37000 | -10.05000 | 4.99000 | 2.56700 | -5.06000 | -15.04000 | -.24800 | -.23600 | 1385.00000 |
| .898 | 14.090 | 4.38000 | -10.09000 | 4.99000 | 2.48700 | -5.10000 | -15.08000 | -.26100 | -.24300 | 1385.00000 |
| .900 | 16.050 | 4.40000 | -10.10000 | 5.02000 | 2.35800 | -5.08000 | -15.13000 | -.27400 | -.26800 | 1385.00000 |
| .900 | 18.040 | 4.42000 | -10.09000 | 5.02000 | 2.23800 | -5.07000 | -15.11000 | -.30400 | -.28800 | 1385.00000 |
| .901 | 20.090 | 4.41000 | -10.10000 | 5.03000 | 2.08200 | -5.08000 | -15.13000 | -.33500 | -.32200 | 1385.00000 |
| | GRADIENT | -.01131 | .00086 | -.00552 | .55301 | -.00466 | .00466 | .00157 | .00136 | .00000 |

RUN NO. 14/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.110 | 4.23000 | -10.06000 | 5.02000 | -1.86200 | -5.04000 | -15.08000 | -.43900 | -.38600 | 1589.00000 |
| 1.047 | -.140 | 4.25000 | -10.05000 | 5.01000 | -1.24700 | -5.05000 | -15.06000 | -.42500 | -.38400 | 1589.00000 |
| 1.047 | 1.900 | 4.26000 | -10.09000 | 5.04000 | -.40900 | -5.05000 | -15.13000 | -.41800 | -.38500 | 1589.00000 |
| 1.047 | 2.880 | 4.26000 | -10.07000 | 5.02000 | .00900 | -5.05000 | -15.09000 | -.41700 | -.38600 | 1589.00000 |
| 1.045 | 3.920 | 4.26000 | -10.08000 | 5.02000 | .41600 | -5.06000 | -15.11000 | -.42100 | -.39200 | 1589.00000 |
| 1.046 | 4.920 | 4.26000 | -10.08000 | 5.01000 | .77000 | -5.07000 | -15.09000 | -.41700 | -.39500 | 1589.00000 |
| 1.045 | 5.940 | 4.27000 | -10.09000 | 5.02000 | 1.08400 | -5.07000 | -15.11000 | -.41800 | -.40100 | 1589.00000 |
| 1.048 | 6.920 | 4.27000 | -10.09000 | 5.01000 | 1.32600 | -5.08000 | -15.10000 | -.42400 | -.40500 | 1589.00000 |
| 1.046 | 7.890 | 4.29000 | -10.09000 | 5.02000 | 1.51500 | -5.07000 | -15.10000 | -.43200 | -.41800 | 1589.00000 |
| 1.045 | 8.940 | 4.30000 | -10.09000 | 5.02000 | 1.69600 | -5.07000 | -15.12000 | -.44100 | -.42700 | 1589.00000 |
| 1.047 | 9.930 | 4.30000 | -10.09000 | 5.01000 | 1.83400 | -5.08000 | -15.11000 | -.44100 | -.43000 | 1589.00000 |
| 1.046 | 11.920 | 4.33000 | -10.09000 | 5.01000 | 2.01600 | -5.08000 | -15.10000 | -.45400 | -.44400 | 1589.00000 |
| 1.045 | 13.940 | 4.35000 | -10.08000 | 5.00000 | 2.07000 | -5.08000 | -15.08000 | -.45700 | -.44800 | 1589.00000 |
| 1.045 | 15.940 | 4.37000 | -10.08000 | 5.00000 | 2.06400 | -5.07000 | -15.08000 | -.46400 | -.45400 | 1589.00000 |
| 1.046 | 17.900 | 4.39000 | -10.07000 | 5.00000 | 2.02200 | -5.07000 | -15.07000 | -.46900 | -.45900 | 1589.00000 |
| 1.046 | 19.920 | 4.41000 | -10.06000 | 5.00000 | 1.93500 | -5.06000 | -15.07000 | -.48700 | -.48100 | 1589.00000 |
| | GRADIENT | .00408 | -.00382 | -.00028 | .38292 | -.00351 | -.00412 | .00280 | -.00126 | .00000 |

ARC 200-1 11(LA77) OV101 (A28009) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 37/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.970 | 4.23000 | -9.99000 | -.02000 | -2.98700 | -10.01000 | -9.97000 | -.23000 | -.23100 | 1398.00000 |
| .901 | .010 | 4.22000 | -10.00000 | -.02000 | -2.12800 | -10.01000 | -9.98000 | -.23800 | -.22800 | 1398.00000 |
| .900 | 2.020 | 4.23000 | -10.01000 | -.01000 | -.95200 | -10.02000 | -10.00000 | -.23100 | -.22200 | 1398.00000 |
| .900 | 3.010 | 4.23000 | -10.03000 | -.01000 | -.27900 | -10.04000 | -10.02000 | -.22500 | -.21900 | 1398.00000 |
| .899 | 3.970 | 4.24000 | -9.98000 | -.02000 | .38700 | -10.01000 | -9.96000 | -.22600 | -.22200 | 1398.00000 |
| .900 | 5.010 | 4.21000 | -9.98000 | -.02000 | 1.04200 | -9.99000 | -9.96000 | -.21900 | -.21800 | 1398.00000 |
| .899 | 5.960 | 4.26000 | -9.98000 | -.02000 | 1.52700 | -10.01000 | -9.96000 | -.21500 | -.21500 | 1398.00000 |
| .903 | 7.040 | 4.23000 | -9.97000 | -.02000 | 1.91000 | -9.99000 | -9.95000 | -.21500 | -.20900 | 1398.00000 |
| .900 | 8.000 | 4.31000 | -9.98000 | -.02000 | 2.19500 | -10.00000 | -9.96000 | -.22000 | -.22000 | 1398.00000 |
| .899 | 8.990 | 4.31000 | -9.97000 | -.02000 | 2.35600 | -9.99000 | -9.95000 | -.22400 | -.21400 | 1398.00000 |
| .899 | 10.010 | 4.32000 | -9.97000 | -.02000 | 2.46800 | -9.99000 | -9.95000 | -.22300 | -.21900 | 1398.00000 |
| .901 | 12.060 | 4.37000 | -9.98000 | .00000 | 2.53200 | -9.98000 | -9.98000 | -.24000 | -.22900 | 1398.00000 |
| .900 | 14.050 | 4.40000 | -9.99000 | -.02000 | 2.46500 | -10.01000 | -9.97000 | -.25700 | -.23700 | 1398.00000 |
| .900 | 16.070 | 4.41000 | -9.98000 | -.01000 | 2.35400 | -9.99000 | -9.97000 | -.26500 | -.26200 | 1398.00000 |
| .900 | 18.080 | 4.44000 | -9.97000 | .00000 | 2.23600 | -9.97000 | -9.97000 | -.28500 | -.28200 | 1398.00000 |
| .900 | 20.030 | 4.45000 | -9.98000 | -.01000 | 2.08700 | -9.99000 | -9.98000 | -.31800 | -.32200 | 1398.00000 |
| | GRADIENT | .00173 | -.00161 | .00097 | .56961 | -.00237 | -.00257 | .00126 | .00191 | .00000 |

RUN NO. 319/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -2.010 | 4.19000 | -9.95000 | .01000 | -2.65900 | -9.95000 | -9.96000 | -.27000 | -.26600 | 1427.00000 |
| .948 | .010 | 4.18000 | -9.94000 | .00000 | -1.84300 | -9.95000 | -9.94000 | -.26500 | -.26900 | 1427.00000 |
| .948 | 2.020 | 4.17000 | -9.94000 | -.02000 | -.78000 | -9.95000 | -9.92000 | -.26500 | -.26600 | 1427.00000 |
| .949 | 4.050 | 4.16000 | -9.96000 | .00000 | .44700 | -9.96000 | -9.96000 | -.25700 | -.25300 | 1427.00000 |
| .948 | 6.020 | 4.16000 | -9.95000 | -.02000 | 1.41800 | -9.97000 | -9.93000 | -.23300 | -.24000 | 1427.00000 |
| .950 | 8.010 | 4.17000 | -9.93000 | .00000 | 2.02000 | -9.92000 | -9.93000 | -.25400 | -.25400 | 1427.00000 |
| .947 | 10.000 | 4.18000 | -9.94000 | .01000 | 2.35300 | -9.93000 | -9.95000 | -.25900 | -.25800 | 1427.00000 |
| .950 | 12.030 | 4.16000 | -9.94000 | .02000 | 2.47200 | -9.92000 | -9.97000 | -.27500 | -.28000 | 1427.00000 |
| .947 | 13.960 | 4.16000 | -9.93000 | .01000 | 2.43200 | -9.92000 | -9.94000 | -.29800 | -.31400 | 1427.00000 |
| .950 | 15.980 | 4.17000 | -9.93000 | .02000 | 2.33300 | -9.91000 | -9.96000 | -.33600 | -.34200 | 1427.00000 |
| .949 | 18.000 | 4.17000 | -9.93000 | .03000 | 2.21900 | -9.90000 | -9.95000 | -.35900 | -.35300 | 1427.00000 |
| | GRADIENT | -.00495 | -.00149 | -.00247 | .51421 | -.00149 | .00098 | .00193 | .00208 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B009) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 15/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.080 | 4.23000 | -10.06000 | .02000 | -1.91300 | -10.04000 | -10.08000 | -.41900 | -.37600 | 1590.00000 |
| 1.047 | -.130 | 4.25000 | -10.10000 | .04000 | -1.25600 | -10.07000 | -10.14000 | -.41000 | -.37000 | 1590.00000 |
| 1.046 | 1.910 | 4.26000 | -10.09000 | .02000 | -.40600 | -10.07000 | -10.12000 | -.40700 | -.37500 | 1590.00000 |
| 1.047 | 2.890 | 4.26000 | -10.10000 | .03000 | .01200 | -10.07000 | -10.13000 | -.40700 | -.37400 | 1590.00000 |
| 1.047 | 3.920 | 4.26000 | -10.10000 | .03000 | .39600 | -10.07000 | -10.13000 | -.40800 | -.37700 | 1590.00000 |
| 1.045 | 4.920 | 4.26000 | -10.11000 | .04000 | .72100 | -10.07000 | -10.15000 | -.41200 | -.38300 | 1590.00000 |
| 1.046 | 5.930 | 4.27000 | -10.10000 | .03000 | 1.03100 | -10.07000 | -10.13000 | -.41300 | -.38300 | 1590.00000 |
| 1.047 | 6.920 | 4.27000 | -10.10000 | .03000 | 1.30800 | -10.07000 | -10.14000 | -.42000 | -.39100 | 1590.00000 |
| 1.046 | 7.900 | 4.30000 | -10.10000 | .03000 | 1.51600 | -10.07000 | -10.14000 | -.42900 | -.40300 | 1590.00000 |
| 1.046 | 8.950 | 4.31000 | -10.10000 | .03000 | 1.71300 | -10.07000 | -10.14000 | -.43700 | -.41200 | 1590.00000 |
| 1.048 | 9.940 | 4.31000 | -10.11000 | .03000 | 1.85700 | -10.07000 | -10.14000 | -.44100 | -.41900 | 1590.00000 |
| 1.046 | 11.920 | 4.34000 | -10.10000 | .03000 | 2.03200 | -10.07000 | -10.13000 | -.45400 | -.43900 | 1590.00000 |
| 1.042 | 13.940 | 4.36000 | -10.10000 | .03000 | 2.08900 | -10.07000 | -10.13000 | -.46700 | -.45500 | 1590.00000 |
| 1.046 | 15.950 | 4.38000 | -10.09000 | .03000 | 2.08300 | -10.06000 | -10.12000 | -.45800 | -.45300 | 1590.00000 |
| 1.045 | 17.900 | 4.40000 | -10.08000 | .02000 | 2.03500 | -10.06000 | -10.11000 | -.47100 | -.46400 | 1590.00000 |
| 1.045 | 19.920 | 4.42000 | -10.09000 | .03000 | 1.95500 | -10.06000 | -10.12000 | -.49100 | -.48100 | 1590.00000 |
| | GRADIENT | .00410 | -.00555 | .00145 | .38547 | -.00350 | -.00700 | .00108 | -.00098 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B010) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 39/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.270 | 5.04000 | -.01000 | .02000 | 2.38300 | .01000 | -.03000 | -.24600 | -.24700 | 1410.00000 |
| .900 | -4.190 | 5.02000 | .00000 | .00000 | 2.36800 | .00000 | .00000 | -.22100 | -.23600 | 1410.00000 |
| .899 | -3.150 | 5.02000 | .01000 | -.01000 | 2.35200 | -.01000 | .02000 | -.21400 | -.21900 | 1410.00000 |
| .900 | -2.090 | 5.00000 | -.01000 | .00000 | 2.31900 | -.01000 | -.01000 | -.20900 | -.21700 | 1410.00000 |
| .900 | -1.040 | 4.97000 | -.01000 | .00000 | 2.29300 | -.02000 | -.01000 | -.21000 | -.22000 | 1410.00000 |
| .899 | .020 | 4.99000 | -.02000 | .00000 | 2.28500 | -.02000 | -.02000 | -.20700 | -.22200 | 1410.00000 |
| .900 | 1.060 | 5.01000 | -.01000 | -.01000 | 2.29200 | -.02000 | -.01000 | -.21200 | -.22400 | 1410.00000 |
| .900 | 2.110 | 5.00000 | -.02000 | -.01000 | 2.31500 | -.03000 | -.01000 | -.21900 | -.22400 | 1410.00000 |
| .901 | 3.150 | 5.02000 | -.01000 | -.01000 | 2.35300 | -.02000 | .00000 | -.21700 | -.22600 | 1410.00000 |
| .899 | 4.210 | 5.00000 | -.01000 | -.02000 | 2.38800 | -.03000 | .01000 | -.23500 | -.23800 | 1410.00000 |
| .899 | 6.300 | 4.98000 | -.01000 | -.03000 | 2.34600 | -.04000 | .02000 | -.25500 | -.25900 | 1410.00000 |
| .900 | 8.400 | 5.00000 | -.01000 | -.03000 | 2.32500 | -.04000 | .02000 | -.27900 | -.26800 | 1410.00000 |
| | GRADIENT | -.00064 | -.00191 | -.00174 | .00116 | -.00302 | -.00032 | -.00138 | -.00075 | .00000 |

RUN NO. 17/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -6.270 | 5.12000 | .00000 | -.01000 | 1.65800 | -.01000 | .01000 | -.42400 | -.41600 | 1590.00000 |
| 1.046 | -4.200 | 5.07000 | -.02000 | .00000 | 1.66700 | -.02000 | -.02000 | -.39700 | -.40000 | 1590.00000 |
| 1.046 | -3.150 | 5.07000 | -.03000 | .00000 | 1.66900 | -.02000 | -.03000 | -.38500 | -.39200 | 1590.00000 |
| 1.046 | -2.080 | 5.10000 | -.02000 | -.01000 | 1.65900 | -.03000 | -.01000 | -.37400 | -.38900 | 1590.00000 |
| 1.046 | -1.040 | 5.06000 | -.01000 | -.01000 | 1.65700 | -.03000 | .00000 | -.36700 | -.38700 | 1590.00000 |
| 1.044 | .020 | 5.06000 | -.01000 | -.01000 | 1.65600 | -.02000 | -.01000 | -.36700 | -.38100 | 1590.00000 |
| 1.045 | 1.050 | 5.09000 | -.01000 | -.01000 | 1.65500 | -.02000 | .00000 | -.36900 | -.38200 | 1590.00000 |
| 1.046 | 2.130 | 5.06000 | -.01000 | -.01000 | 1.64000 | -.02000 | -.01000 | -.37900 | -.38900 | 1590.00000 |
| 1.046 | 3.160 | 5.06000 | -.01000 | .00000 | 1.63200 | -.02000 | -.01000 | -.39300 | -.39700 | 1590.00000 |
| 1.046 | 4.220 | 5.06000 | -.01000 | -.01000 | 1.61100 | -.02000 | -.01000 | -.40700 | -.40400 | 1590.00000 |
| 1.046 | 6.320 | 5.06000 | -.01000 | -.02000 | 1.57800 | -.03000 | .01000 | -.43400 | -.42800 | 1590.00000 |
| 1.045 | 8.410 | 5.08000 | -.02000 | .00000 | 1.56200 | -.03000 | -.02000 | -.45400 | -.43900 | 1590.00000 |
| | GRADIENT | -.00190 | .00190 | -.00064 | -.00594 | .00047 | .00158 | -.00120 | -.00041 | -.00001 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B011) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMPP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 40/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -6.270 | 5.06000 | -.01000 | .02000 | 2.38800 | .01000 | -.02000 | -.24800 | -.25000 | 1410.00000 |
| .900 | -4.180 | 5.04000 | .00000 | .01000 | 2.39200 | .01000 | -.01000 | -.22200 | -.23000 | 1410.00000 |
| .899 | -3.130 | 5.03000 | -.01000 | .02000 | 2.37300 | .01000 | -.03000 | -.21600 | -.22700 | 1410.00000 |
| .900 | -2.080 | 5.03000 | .00000 | .01000 | 2.33800 | .01000 | -.02000 | -.20900 | -.21900 | 1410.00000 |
| .899 | -1.040 | 5.02000 | .01000 | .00000 | 2.30700 | .01000 | .01000 | -.20500 | -.21600 | 1410.00000 |
| .900 | .020 | 4.97000 | .01000 | .00000 | 2.27700 | .01000 | .00000 | -.21000 | -.21900 | 1410.00000 |
| .900 | 1.080 | 4.97000 | .01000 | .01000 | 2.29200 | .01000 | .00000 | -.21000 | -.21700 | 1410.00000 |
| .900 | 2.160 | 4.97000 | .01000 | .00000 | 2.31700 | .01000 | .01000 | -.21700 | -.21800 | 1410.00000 |
| .899 | 3.200 | 4.99000 | .01000 | .00000 | 2.36400 | .01000 | .00000 | -.22000 | -.22100 | 1410.00000 |
| .899 | 4.250 | 4.99000 | .02000 | .01000 | 2.38800 | .03000 | .00000 | -.23200 | -.24100 | 1410.00000 |
| .900 | 6.280 | 4.98000 | .00000 | .00000 | 2.33700 | .00000 | .00000 | -.25300 | -.25600 | 1410.00000 |
| .899 | 8.280 | 5.00000 | .00000 | -.01000 | 2.34000 | -.01000 | .00000 | -.27900 | -.27900 | 1410.00000 |
| | GRADIENT | -.00774 | .00252 | -.00110 | -.00155 | .00126 | .00284 | -.00116 | -.00040 | .00000 |

RUN NO. 18/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -6.270 | 5.14000 | -.01000 | .01000 | 1.66300 | .00000 | -.02000 | -.42200 | -.41700 | 1591.00000 |
| 1.047 | -4.180 | 5.11000 | .00000 | .01000 | 1.67400 | .00000 | -.01000 | -.39500 | -.39600 | 1591.00000 |
| 1.045 | -3.130 | 5.11000 | -.01000 | .00000 | 1.67400 | -.01000 | -.01000 | -.38600 | -.39500 | 1591.00000 |
| 1.047 | -2.080 | 5.10000 | -.01000 | -.01000 | 1.67700 | -.01000 | .00000 | -.37300 | -.38400 | 1591.00000 |
| 1.046 | -1.040 | 5.06000 | -.01000 | -.01000 | 1.67200 | -.01000 | .00000 | -.37100 | -.38300 | 1591.00000 |
| 1.047 | .020 | 5.03000 | .00000 | -.02000 | 1.65100 | -.02000 | .01000 | -.36300 | -.38100 | 1591.00000 |
| 1.046 | 1.080 | 5.04000 | .00000 | -.01000 | 1.65000 | -.01000 | .01000 | -.37200 | -.38200 | 1591.00000 |
| 1.045 | 2.160 | 5.04000 | .00000 | .00000 | 1.63700 | .00000 | .00000 | -.38100 | -.39200 | 1591.00000 |
| 1.046 | 3.240 | 5.03000 | -.01000 | .01000 | 1.63100 | .00000 | -.02000 | -.39400 | -.39600 | 1591.00000 |
| 1.047 | 4.250 | 5.05000 | -.01000 | .00000 | 1.60500 | .00000 | -.01000 | -.40600 | -.40300 | 1591.00000 |
| 1.047 | 6.350 | 5.05000 | .00000 | .00000 | 1.57700 | .00000 | .01000 | -.43200 | -.42500 | 1591.00000 |
| 1.048 | 8.420 | 5.09000 | -.01000 | .00000 | 1.57200 | -.01000 | -.02000 | -.44900 | -.43200 | 1591.00000 |
| | GRADIENT | -.00977 | -.00016 | .00017 | -.00799 | .00080 | -.00033 | -.00135 | -.00073 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B012) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 41/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -6.270 | 5.07000 | -9.99000 | -.01000 | 1.22500 | -10.01000 | -9.98000 | -.24500 | -.23300 | 1412.00000 |
| .900 | -4.200 | 5.03000 | -9.99000 | -.02000 | 1.13500 | -10.01000 | -9.98000 | -.21100 | -.21200 | 1412.00000 |
| .900 | -3.160 | 5.02000 | -9.99000 | -.02000 | 1.11300 | -10.01000 | -9.97000 | -.20000 | -.21300 | 1412.00000 |
| .898 | -2.100 | 5.02000 | -9.99000 | -.02000 | 1.08400 | -10.01000 | -9.97000 | -.19900 | -.20500 | 1412.00000 |
| .901 | -1.040 | 5.00000 | -9.99000 | -.02000 | 1.03800 | -10.01000 | -9.97000 | -.19400 | -.20400 | 1412.00000 |
| .900 | .000 | 5.02000 | -9.99000 | -.02000 | 1.02200 | -10.01000 | -9.97000 | -.20000 | -.21300 | 1412.00000 |
| .900 | 1.050 | 5.04000 | -9.99000 | -.02000 | 1.03700 | -10.01000 | -9.97000 | -.19700 | -.21000 | 1412.00000 |
| .899 | 2.100 | 5.03000 | -9.99000 | -.02000 | 1.04200 | -10.01000 | -9.97000 | -.20100 | -.20400 | 1412.00000 |
| .901 | 3.130 | 5.04000 | -9.99000 | -.02000 | 1.06200 | -10.00000 | -9.97000 | -.20800 | -.21600 | 1412.00000 |
| .899 | 4.160 | 5.03000 | -9.99000 | -.02000 | 1.04000 | -10.00000 | -9.97000 | -.21500 | -.21400 | 1412.00000 |
| .900 | 6.280 | 5.00000 | -9.98000 | -.01000 | 1.05700 | -10.00000 | -9.97000 | -.25000 | -.23700 | 1412.00000 |
| .899 | 8.390 | 5.02000 | -9.99000 | -.02000 | 1.13100 | -10.01000 | -9.97000 | -.26900 | -.25000 | 1412.00000 |
| | GRADIENT | .00191 | .00000 | -.00000 | -.00987 | .00111 | .00064 | -.00074 | -.00033 | -.00000 |

RUN NO. 320/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.310 | 5.04000 | -9.97000 | .02000 | 1.04000 | -9.96000 | -9.99000 | -.28400 | -.28100 | 1438.00000 |
| .951 | -4.240 | 5.00000 | -9.98000 | -.01000 | 1.00900 | -9.99000 | -9.96000 | -.25000 | -.25400 | 1438.00000 |
| .948 | -3.200 | 5.00000 | -9.96000 | .05000 | 1.03000 | -9.90000 | -10.01000 | -.24600 | -.24300 | 1438.00000 |
| .949 | -2.140 | 5.00000 | -9.96000 | .03000 | 1.00900 | -9.94000 | -9.99000 | -.22500 | -.22700 | 1438.00000 |
| .950 | -1.090 | 4.97000 | -9.97000 | .02000 | .98900 | -9.95000 | -10.00000 | -.22100 | -.22600 | 1438.00000 |
| .948 | -.020 | 4.97000 | -9.98000 | .02000 | .98600 | -9.95000 | -10.00000 | -.20700 | -.20800 | 1438.00000 |
| .950 | 1.010 | 5.01000 | -9.98000 | .04000 | .99500 | -9.95000 | -10.02000 | -.22200 | -.22300 | 1438.00000 |
| .949 | 2.070 | 5.00000 | -9.99000 | .00000 | .98800 | -9.99000 | -9.99000 | -.22500 | .22300 | 1438.00000 |
| .949 | 3.110 | 5.00000 | -10.00000 | .01000 | .97300 | -9.99000 | -10.01000 | -.24000 | -.23900 | 1438.00000 |
| .949 | 4.160 | 4.99000 | -9.96000 | .02000 | .94700 | -9.94000 | -9.98000 | -.24700 | -.24700 | 1438.00000 |
| .949 | 6.250 | 4.98000 | -9.96000 | .02000 | .93300 | -9.94000 | -9.98000 | -.27800 | -.28400 | 1438.00000 |
| .948 | 8.340 | 4.99000 | -9.96000 | .02000 | .92700 | -9.94000 | -9.97000 | -.30500 | -.31300 | 1438.00000 |
| | GRADIENT | -.00001 | -.00175 | -.00064 | -.00722 | -.00271 | -.00158 | .00047 | .00082 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B012) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 19/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -6.280 | 5.02000 | -9.99000 | .02000 | .82300 | -9.97000 | -10.00000 | -.42900 | -.39600 | 1588.00000 |
| 1.044 | -4.200 | 4.97000 | -9.98000 | .02000 | .80700 | -9.96000 | -10.00000 | -.40700 | -.38000 | 1588.00000 |
| 1.048 | -3.160 | 4.97000 | -9.97000 | .03000 | .81400 | -9.95000 | -10.00000 | -.39500 | -.36800 | 1588.00000 |
| 1.046 | -2.100 | 4.96000 | -9.97000 | .03000 | .80200 | -9.93000 | -10.00000 | -.38600 | -.36500 | 1588.00000 |
| 1.045 | -1.040 | 4.95000 | -9.97000 | .03000 | .80400 | -9.93000 | -10.00000 | -.37500 | -.35700 | 1588.00000 |
| 1.048 | .030 | 4.95000 | -9.97000 | .04000 | .80800 | -9.93000 | -10.00000 | -.36200 | -.35200 | 1588.00000 |
| 1.044 | 1.070 | 4.97000 | -9.97000 | .04000 | .79500 | -9.93000 | -10.00000 | -.37500 | -.36000 | 1588.00000 |
| 1.048 | 2.140 | 4.96000 | -9.97000 | .04000 | .80100 | -9.93000 | -10.00000 | -.38500 | -.36400 | 1588.00000 |
| 1.045 | 3.170 | 4.97000 | -9.97000 | .04000 | .78300 | -9.93000 | -10.01000 | -.40000 | -.37300 | 1588.00000 |
| 1.047 | 4.220 | 4.96000 | -9.97000 | .04000 | .76600 | -9.93000 | -10.01000 | -.41100 | -.38000 | 1588.00000 |
| 1.046 | 6.330 | 4.96000 | -9.97000 | .04000 | .75900 | -9.93000 | -10.01000 | -.43700 | -.40100 | 1588.00000 |
| 1.047 | 8.430 | 4.98000 | -9.97000 | .02000 | .80900 | -9.95000 | -9.99000 | -.45800 | -.41200 | 1588.00000 |
| | GRADIENT | -.00032 | .00063 | .00221 | -.00423 | .00285 | -.00110 | -.00045 | -.00025 | -.00000 |

ARC 200-I 11(LA77) OV101 + TO - BETA (A2B013) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 42/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.270 | 5.08000 | -9.99000 | -.02000 | 1.22600 | -10.01000 | -9.97000 | -.24000 | -.23100 | 1410.00000 |
| .899 | -4.180 | 5.06000 | -9.99000 | -.02000 | 1.16600 | -10.01000 | -9.97000 | -.21600 | -.22000 | 1410.00000 |
| .901 | -3.140 | 5.06000 | -9.99000 | -.02000 | 1.11600 | -10.01000 | -9.97000 | -.19700 | -.20400 | 1410.00000 |
| .900 | -2.080 | 5.06000 | -9.99000 | -.02000 | 1.10300 | -10.02000 | -9.97000 | -.19900 | -.20700 | 1410.00000 |
| .899 | -1.030 | 5.03000 | -9.99000 | -.02000 | 1.05400 | -10.01000 | -9.97000 | -.19700 | -.20700 | 1410.00000 |
| .900 | .020 | 4.97000 | -9.99000 | -.02000 | 1.01100 | -10.01000 | -9.98000 | -.19500 | -.20700 | 1410.00000 |
| .899 | 1.090 | 4.98000 | -9.99000 | -.02000 | 1.01700 | -10.01000 | -9.97000 | -.19100 | -.20500 | 1410.00000 |
| .901 | 2.180 | 4.96000 | -9.99000 | -.02000 | 1.02300 | -10.01000 | -9.99000 | -.20300 | -.20800 | 1410.00000 |
| .898 | 3.220 | 4.99000 | -9.99000 | -.02000 | 1.06200 | -10.01000 | -9.97000 | -.21300 | -.21600 | 1410.00000 |
| .902 | 4.290 | 4.99000 | -9.99000 | -.01000 | 1.03400 | -10.00000 | -9.97000 | -.21500 | -.21500 | 1410.00000 |
| .899 | 6.360 | 4.89000 | -9.99000 | -.01000 | 1.03900 | -10.00000 | -9.97000 | -.24900 | -.23300 | 1410.00000 |
| .899 | 8.400 | 5.02000 | -9.99000 | -.02000 | 1.11700 | -10.00000 | -9.97000 | -.26000 | -.24900 | 1410.00000 |
| | GRADIENT | -.01162 | -.00000 | .00063 | -.01391 | .00094 | -.00031 | -.00073 | -.00026 | .00000 |

RUN NO. 20/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -6.280 | 5.04000 | -9.98000 | .01000 | .83300 | -9.97000 | -9.98000 | -.42900 | -.39500 | 1589.00000 |
| 1.045 | -4.180 | 5.01000 | -9.98000 | .00000 | .82500 | -9.97000 | -9.98000 | -.40800 | -.37900 | 1589.00000 |
| 1.047 | -3.140 | 5.00000 | -9.98000 | .01000 | .82900 | -9.97000 | -9.98000 | -.39400 | -.37000 | 1589.00000 |
| 1.046 | -2.080 | 5.01000 | -9.97000 | .01000 | .83300 | -9.96000 | -9.98000 | -.38500 | -.36600 | 1589.00000 |
| 1.046 | -1.050 | 4.98000 | -9.97000 | .01000 | .83000 | -9.96000 | -9.98000 | -.37300 | -.35800 | 1589.00000 |
| 1.047 | .020 | 4.94000 | -9.97000 | .01000 | .80400 | -9.95000 | -9.98000 | -.36300 | -.35400 | 1589.00000 |
| 1.046 | 1.080 | 4.94000 | -9.97000 | .01000 | .79900 | -9.95000 | -9.98000 | -.37300 | -.35800 | 1589.00000 |
| 1.046 | 2.170 | 4.93000 | -9.96000 | .02000 | .79500 | -9.94000 | -9.98000 | -.38800 | -.36600 | 1589.00000 |
| 1.047 | 3.230 | 4.93000 | -9.96000 | .02000 | .77100 | -9.94000 | -9.98000 | -.40400 | -.37800 | 1589.00000 |
| 1.048 | 4.270 | 4.95000 | -9.97000 | .03000 | .77400 | -9.93000 | -10.00000 | -.41300 | -.37900 | 1589.00000 |
| 1.046 | 6.360 | 4.95000 | -9.98000 | .04000 | .76500 | -9.94000 | -10.01000 | -.43900 | -.40300 | 1589.00000 |
| 1.046 | 8.430 | 4.99000 | -9.97000 | .02000 | .80300 | -9.95000 | -10.00000 | -.45900 | -.41500 | 1589.00000 |
| | GRADIENT | -.01023 | .00189 | .00268 | -.00764 | .00472 | -.00126 | -.00091 | -.00039 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28014) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 43/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.260 | 5.08000 | -10.08000 | 5.02000 | 1.14500 | -5.06000 | -15.09000 | -.23100 | -.22500 | 1409.00000 |
| .900 | -4.190 | 5.04000 | -10.08000 | 5.02000 | 1.08700 | -5.06000 | -15.10000 | -.21100 | -.21700 | 1409.00000 |
| .899 | -3.140 | 5.03000 | -10.08000 | 5.01000 | 1.08200 | -5.07000 | -15.10000 | -.20700 | -.21600 | 1409.00000 |
| .900 | -2.080 | 5.06000 | -10.09000 | 5.01000 | 1.06100 | -5.08000 | -15.09000 | -.20700 | -.21600 | 1409.00000 |
| .900 | -1.030 | 5.04000 | -10.09000 | 5.01000 | 1.05600 | -5.08000 | -15.10000 | -.20400 | -.21600 | 1409.00000 |
| .900 | .000 | 5.06000 | -10.08000 | 5.01000 | 1.04800 | -5.07000 | -15.09000 | -.20400 | -.21500 | 1409.00000 |
| .899 | 1.060 | 5.04000 | -10.09000 | 5.01000 | 1.04400 | -5.08000 | -15.09000 | -.21000 | -.21400 | 1409.00000 |
| .899 | 2.140 | 5.00000 | -10.08000 | 5.01000 | 1.06500 | -5.07000 | -15.09000 | -.21400 | -.21900 | 1409.00000 |
| .901 | 3.170 | 5.02000 | -10.08000 | 5.02000 | 1.09100 | -5.06000 | -15.10000 | -.21900 | -.21800 | 1409.00000 |
| .898 | 4.220 | 5.00000 | -10.08000 | 5.01000 | 1.10900 | -5.07000 | -15.08000 | -.23200 | -.23800 | 1409.00000 |
| .900 | 6.280 | 4.99000 | -10.08000 | 5.01000 | 1.11700 | -5.07000 | -15.09000 | -.25000 | -.25300 | 1409.00000 |
| .900 | 8.400 | 5.00000 | -10.09000 | 5.01000 | 1.13100 | -5.07000 | -15.10000 | -.27700 | -.26400 | 1409.00000 |
| | GRADIENT | -.00493 | .00032 | -.00016 | .00176 | .00016 | .00143 | -.00222 | -.00149 | .00000 |

RUN NO. 21/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -6.280 | 5.04000 | -10.09000 | 5.03000 | .83900 | -5.06000 | -15.12000 | -.42100 | -.38400 | 1590.00000 |
| 1.045 | -4.200 | 5.00000 | -10.09000 | 5.03000 | .81600 | -5.06000 | -15.12000 | -.40500 | -.37800 | 1590.00000 |
| 1.047 | -3.160 | 4.99000 | -10.10000 | 5.04000 | .83600 | -5.06000 | -15.14000 | -.39100 | -.37100 | 1590.00000 |
| 1.046 | -2.090 | 4.98000 | -10.10000 | 5.04000 | .84400 | -5.06000 | -15.13000 | -.37700 | -.36400 | 1590.00000 |
| 1.047 | -1.040 | 4.95000 | -10.10000 | 5.03000 | .84100 | -5.06000 | -15.13000 | -.37300 | -.35800 | 1590.00000 |
| 1.047 | .030 | 4.95000 | -10.11000 | 5.05000 | .83300 | -5.06000 | -15.16000 | -.37800 | -.36100 | 1590.00000 |
| 1.045 | 1.070 | 4.98000 | -10.10000 | 5.03000 | .83900 | -5.07000 | -15.13000 | -.38500 | -.36700 | 1590.00000 |
| 1.046 | 2.140 | 4.96000 | -10.10000 | 5.04000 | .82500 | -5.06000 | -15.14000 | -.39100 | -.37600 | 1590.00000 |
| 1.045 | 3.170 | 4.97000 | -10.10000 | 5.04000 | .81800 | -5.06000 | -15.14000 | -.40300 | -.38600 | 1590.00000 |
| 1.046 | 4.220 | 4.95000 | -10.10000 | 5.04000 | .77500 | -5.06000 | -15.13000 | -.41700 | -.40000 | 1590.00000 |
| 1.045 | 6.320 | 4.95000 | -10.10000 | 5.04000 | .77700 | -5.06000 | -15.14000 | -.43800 | -.41300 | 1590.00000 |
| 1.047 | 8.430 | 4.97000 | -10.07000 | 5.05000 | .79700 | -5.02000 | -15.11000 | -.45300 | -.43200 | 1590.00000 |
| | GRADIENT | -.00428 | -.00063 | .00063 | -.00407 | -.00016 | -.00095 | -.00195 | -.00262 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B015) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 44/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -6.260 | 5.08000 | -10.08000 | 5.02000 | 1.14800 | -5.06000 | -15.09000 | -.23700 | -.23300 | 1410.00000 |
| .900 | -4.170 | 5.05000 | -10.08000 | 5.01000 | 1.11000 | -5.06000 | -15.09000 | -.21300 | -.22300 | 1410.00000 |
| .901 | -3.140 | 5.03000 | -10.08000 | 5.01000 | 1.07600 | -5.07000 | -15.09000 | -.20200 | -.21500 | 1410.00000 |
| .899 | -2.070 | 5.04000 | -10.08000 | 5.01000 | 1.08100 | -5.08000 | -15.09000 | -.20200 | -.21100 | 1410.00000 |
| .900 | -1.030 | 5.03000 | -10.08000 | 5.01000 | 1.07100 | -5.07000 | -15.09000 | -.19900 | -.21400 | 1410.00000 |
| .898 | .030 | 4.96000 | -10.08000 | 5.01000 | 1.04800 | -5.08000 | -15.09000 | -.20200 | -.21200 | 1410.00000 |
| .900 | 1.100 | 4.97000 | -10.08000 | 5.01000 | 1.03700 | -5.07000 | -15.09000 | -.20700 | -.21700 | 1410.00000 |
| .900 | 2.160 | 4.98000 | -10.08000 | 5.01000 | 1.03000 | -5.06000 | -15.09000 | -.20700 | -.21300 | 1410.00000 |
| .898 | 3.220 | 4.99000 | -10.07000 | 5.02000 | 1.08200 | -5.06000 | -15.09000 | -.21500 | -.21700 | 1410.00000 |
| .901 | 4.260 | 4.99000 | -10.07000 | 5.02000 | 1.08500 | -5.06000 | -15.09000 | -.22900 | -.23700 | 1410.00000 |
| .900 | 6.260 | 4.99000 | -10.08000 | 5.01000 | 1.11200 | -5.06000 | -15.09000 | -.24900 | -.25000 | 1410.00000 |
| .899 | 8.400 | 5.01000 | -10.08000 | 5.01000 | 1.13200 | -5.07000 | -15.09000 | -.28200 | -.26100 | 1410.00000 |
| | GRADIENT | -.00851 | .00110 | .00110 | -.00343 | .00111 | -.00000 | -.00191 | -.00109 | .00000 |

RUN NO. 22/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -6.280 | 5.04000 | -10.07000 | 5.01000 | .83100 | -5.06000 | -15.08000 | -.42200 | -.38500 | 1590.00000 |
| 1.046 | -4.190 | 5.02000 | -10.07000 | 5.02000 | .83500 | -5.05000 | -15.08000 | -.40300 | -.37600 | 1590.00000 |
| 1.047 | -3.140 | 5.01000 | -10.08000 | 5.03000 | .83600 | -5.05000 | -15.10000 | -.39300 | -.37400 | 1590.00000 |
| 1.047 | -2.080 | 5.02000 | -10.07000 | 5.02000 | .86100 | -5.05000 | -15.09000 | -.37500 | -.36300 | 1590.00000 |
| 1.045 | -1.040 | 4.99000 | -10.08000 | 5.03000 | .84700 | -5.05000 | -15.11000 | -.37500 | -.36200 | 1590.00000 |
| 1.046 | .020 | 4.94000 | -10.05000 | 5.01000 | .83300 | -5.05000 | -15.06000 | -.37800 | -.36200 | 1590.00000 |
| 1.046 | 1.080 | 4.95000 | -10.06000 | 5.01000 | .83200 | -5.05000 | -15.07000 | -.38600 | -.36500 | 1590.00000 |
| 1.047 | 2.160 | 4.94000 | -10.06000 | 5.02000 | .82600 | -5.04000 | -15.08000 | -.39000 | -.37500 | 1590.00000 |
| 1.045 | 3.200 | 4.94000 | -10.08000 | 5.03000 | .80100 | -5.04000 | -15.11000 | -.40400 | -.38800 | 1590.00000 |
| 1.048 | 4.270 | 4.94000 | -10.05000 | 5.01000 | .79300 | -5.04000 | -15.07000 | -.41600 | -.39200 | 1590.00000 |
| 1.046 | 6.360 | 4.95000 | -10.08000 | 5.03000 | .77700 | -5.04000 | -15.11000 | -.43700 | -.41300 | 1590.00000 |
| 1.047 | 8.410 | 4.97000 | -10.08000 | 5.03000 | .79800 | -5.04000 | -15.11000 | -.45400 | -.43100 | 1590.00000 |
| | GRADIENT | -.01150 | .00189 | -.00095 | -.00565 | .00142 | .00111 | -.00199 | -.00210 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B016) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = -10.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 49/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | AILRON | ALPHA | BETA | ELEVON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.950 | 5.02000 | -.04000 | -10.02000 | 1.08600 | -16.97000 | -3.08000 | -.21200 | -.22300 | 1408.00000 |
| .899 | -6.000 | 5.02000 | -.03000 | -10.06000 | 1.04400 | -16.06000 | -4.05000 | -.20700 | -.21700 | 1408.00000 |
| .897 | -4.990 | 5.02000 | -.03000 | -10.08000 | 1.06400 | -15.07000 | -5.09000 | -.20100 | -.21800 | 1408.00000 |
| .900 | -2.990 | 5.02000 | -.03000 | -10.07000 | 1.04800 | -13.07000 | -7.08000 | -.20000 | -.21200 | 1408.00000 |
| .899 | -1.000 | 5.03000 | -.03000 | -10.07000 | 1.03500 | -11.07000 | -9.07000 | -.19500 | -.20500 | 1408.00000 |
| .899 | .010 | 5.03000 | -.02000 | -10.01000 | 1.04000 | -10.00000 | -10.02000 | -.19000 | -.20700 | 1408.00000 |
| .898 | 1.010 | 5.02000 | -.02000 | -10.09000 | 1.01600 | -9.08000 | -11.10000 | -.19500 | -.20300 | 1408.00000 |
| .898 | 3.040 | 5.02000 | -.02000 | -10.13000 | .99900 | -7.09000 | -13.16000 | -.20000 | -.21200 | 1408.00000 |
| .900 | 5.080 | 5.02000 | -.01000 | -10.16000 | 1.00700 | -5.08000 | -15.24000 | -.20700 | -.21400 | 1408.00000 |
| | GRADIENT | .00016 | .00159 | -.00430 | -.00776 | .99623 | -1.00336 | .00050 | .00108 | .00000 |

RUN NO. 23/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | AILRON | ALPHA | BETA | ELEVON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -6.970 | 4.95000 | .00000 | -10.03000 | .83600 | -17.00000 | -3.06000 | -.38600 | -.36700 | 1589.00000 |
| 1.047 | -5.990 | 4.95000 | .00000 | -10.08000 | .82300 | -16.07000 | -4.09000 | -.38300 | -.36400 | 1589.00000 |
| 1.047 | -5.000 | 4.95000 | .00000 | -10.09000 | .83300 | -15.08000 | -5.09000 | -.37500 | -.35900 | 1589.00000 |
| 1.046 | -2.970 | 4.95000 | .00000 | -10.10000 | .80700 | -13.07000 | -7.13000 | -.37100 | -.36200 | 1589.00000 |
| 1.047 | -.980 | 4.96000 | .00000 | -10.10000 | .82400 | -11.07000 | -9.12000 | -.36300 | -.35500 | 1589.00000 |
| 1.046 | .000 | 4.96000 | .00000 | -9.98000 | .82300 | -9.98000 | -9.98000 | -.36600 | -.35600 | 1589.00000 |
| 1.047 | 1.030 | 4.96000 | .00000 | -10.10000 | .80900 | -9.07000 | -11.13000 | -.36600 | -.36000 | 1589.00000 |
| 1.046 | 3.040 | 4.96000 | .00000 | -10.11000 | .82700 | -7.07000 | -13.15000 | -.36900 | -.35800 | 1589.00000 |
| 1.046 | 5.060 | 4.95000 | .00000 | -10.14000 | .83500 | -5.09000 | -15.20000 | -.37900 | -.36200 | 1589.00000 |
| | GRADIENT | .00154 | .00000 | .00042 | -.00044 | .99936 | -.99958 | .00089 | .00025 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28017) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 SPOBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 24/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ELEVON | ALPHA | BETA | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -10.080 | 4.95000 | .00000 | .03000 | .81000 | -10.06000 | -10.11000 | -.36100 | -.35100 | 1591.00000 |
| 1.044 | -8.080 | 4.97000 | .00000 | .01000 | .97900 | -8.07000 | -8.09000 | -.36500 | -.36100 | 1591.00000 |
| 1.047 | -6.090 | 5.00000 | .00000 | .00000 | 1.20200 | -6.09000 | -6.10000 | -.36100 | -.36100 | 1591.00000 |
| 1.045 | -4.070 | 5.02000 | 00000 | -.01000 | 1.38300 | -4.09000 | -4.06000 | -.37000 | -.36900 | 1591.00000 |
| 1.047 | -2.070 | 5.04000 | .00000 | -.02000 | 1.52800 | -2.09000 | -2.05000 | -.36300 | -.37100 | 1591.00000 |
| 1.046 | -1.050 | 5.05000 | .00000 | -.02000 | 1.60000 | -1.07000 | -1.04000 | -.36500 | -.37800 | 1591.00000 |
| 1.046 | .010 | 5.05000 | .00000 | .00000 | 1.66200 | .01000 | .01000 | -.36700 | -.38100 | 1591.00000 |
| 1.045 | .930 | 5.06000 | .00000 | -.03000 | 1.69800 | .91000 | .96000 | -.36900 | -.38500 | 1591.00000 |
| 1.045 | 1.940 | 5.07000 | .00000 | -.04000 | 1.75500 | 1.90000 | 1.98000 | -.37600 | -.39300 | 1591.00000 |
| 1.048 | 3.980 | 5.08000 | .00000 | -.05000 | 1.82700 | 3.94000 | 4.03000 | -.38600 | -.39700 | 1591.00000 |
| 1.046 | 6.000 | 5.09000 | .00000 | -.07000 | 1.90600 | 5.93000 | 6.08000 | -.40000 | -.40500 | 1591.00000 |
| 1.048 | 7.970 | 5.10000 | .00000 | -.05000 | 1.97700 | 7.92000 | 8.02000 | -.40000 | -.41100 | 1591.00000 |
| 1.047 | 10.010 | 5.11000 | .00000 | -.08000 | 2.06300 | 9.93000 | 10.08000 | -.40200 | -.40900 | 1591.00000 |
| | GRADIENT | .00734 | .00000 | -.00494 | .05518 | .99719 | 1.00517 | -.00223 | -.00386 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B018) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 25/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.950 | -.01000 | .02000 | .00000 | -1.95800 | .02000 | .02000 | -.21400 | -.21100 | 888.10000 |
| .596 | -.020 | -.01000 | .02000 | .00000 | -.69000 | .02000 | .01000 | -.20800 | -.21300 | 888.10000 |
| .596 | 2.000 | -.01000 | .02000 | .00000 | .77400 | .02000 | .02000 | -.20000 | -.21000 | 888.10000 |
| .596 | 3.010 | -.01000 | .02000 | .00000 | 1.53000 | .02000 | .02000 | -.19500 | -.20900 | 888.10000 |
| .596 | 5.950 | -.01000 | .00000 | -.01000 | 3.36200 | -.01000 | .01000 | -.19600 | -.20200 | 888.10000 |
| .597 | 7.980 | -.01000 | .01000 | -.01000 | 4.20900 | .00000 | .01000 | -.19000 | -.20600 | 888.10000 |
| .596 | 10.020 | -.02000 | .00000 | .00000 | 4.55400 | .00000 | .00000 | -.19500 | -.20600 | 888.10000 |
| .596 | 11.010 | -.01000 | .00000 | .00000 | 4.56600 | .00000 | .01000 | -.19200 | -.20500 | 888.10000 |
| .597 | 12.040 | -.01000 | .00000 | -.01000 | 4.49700 | .00000 | .01000 | -.19800 | -.21100 | 888.10000 |
| .597 | 13.000 | -.01000 | -.01000 | .00000 | 4.35700 | .00000 | -.01000 | -.20800 | -.21200 | 888.10000 |
| .597 | 14.000 | -.01000 | .01000 | .00000 | 4.00000 | .01000 | .00000 | -.20500 | -.22100 | 888.10000 |
| .596 | 15.010 | -.01000 | .00000 | .00000 | 3.69600 | .00000 | .00000 | -.21600 | -.22700 | 888.10000 |
| .597 | 16.010 | .00000 | .00000 | .00000 | 3.43300 | .00000 | .00000 | -.21700 | -.24000 | 888.10000 |
| .596 | 17.990 | .02000 | .00000 | -.01000 | 2.96200 | .00000 | .01000 | -.24900 | -.26300 | 888.10000 |
| .597 | 19.980 | .05000 | .00000 | -.01000 | 2.64700 | .00000 | .01000 | -.27900 | -.28400 | 888.10000 |
| | GRADIENT | -.00000 | .00000 | .00000 | .70411 | .00000 | .00054 | .00381 | .00050 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B019) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 26/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.780 | -.01000 | 9.99000 | -.08000 | .69200 | 9.92000 | 10.07000 | -.23300 | -.23800 | 880.90000 |
| .597 | .100 | -.01000 | 9.99000 | -.08000 | 1.80900 | 9.91000 | 10.07000 | -.23100 | -.23300 | 880.90000 |
| .596 | 2.140 | -.01000 | 9.99000 | -.09000 | 2.86600 | 9.90000 | 10.08000 | -.22000 | -.23400 | 880.90000 |
| .597 | 3.980 | -.01000 | 9.98000 | -.10000 | 3.61800 | 9.88000 | 10.08000 | -.21700 | -.23000 | 880.90000 |
| .597 | 6.090 | -.02000 | 10.00000 | -.08000 | 4.17700 | 9.92000 | 10.08000 | -.21400 | -.22800 | 880.90000 |
| .597 | 7.990 | -.02000 | 10.00000 | -.08000 | 4.43400 | 9.92000 | 10.09000 | -.21600 | -.23000 | 880.90000 |
| .597 | 10.010 | -.01000 | 9.99000 | -.07000 | 4.45200 | 9.92000 | 10.07000 | -.21800 | -.22400 | 880.90000 |
| .596 | 11.040 | -.01000 | 10.00000 | -.08000 | 4.36300 | 9.92000 | 10.07000 | -.21800 | -.23100 | 880.90000 |
| .596 | 12.020 | -.01000 | 9.96000 | -.06000 | 4.23900 | 9.90000 | 10.02000 | -.22300 | -.23400 | 880.90000 |
| .597 | 12.990 | -.01000 | 9.96000 | -.03000 | 4.02400 | 9.92000 | 9.99000 | -.22700 | -.23600 | 880.90000 |
| .596 | 13.980 | -.01000 | 9.97000 | -.05000 | 3.73200 | 9.92000 | 10.03000 | -.23000 | -.24400 | 880.90000 |
| .596 | 14.960 | -.01000 | 9.98000 | -.06000 | 3.45700 | 9.92000 | 10.03000 | -.23400 | -.24600 | 880.90000 |
| .596 | 15.960 | .00000 | 9.97000 | -.04000 | 3.21800 | 9.93000 | 10.01000 | -.24100 | -.26100 | 880.90000 |
| .596 | 17.950 | .00000 | 9.98000 | -.05000 | 2.80500 | 9.93000 | 10.02000 | -.28000 | -.28600 | 880.90000 |
| .596 | 19.940 | .02000 | 9.96000 | -.03000 | 2.54000 | 9.93000 | 9.98000 | -.30400 | -.31100 | 880.90000 |
| | GRADIENT | -.00000 | -.00154 | -.00363 | .50930 | -.00671 | .00209 | .00307 | .00118 | .00000 |

ARC 200-1 11(LA77) OV101 (A28020) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 27/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.920 | -.02000 | -9.99000 | -.01000 | -3.75000 | -10.00000 | -9.99000 | -.19300 | -.19700 | 872.30000 |
| .597 | -.050 | -.01000 | -9.99000 | -.01000 | -2.99500 | -10.01000 | -9.98000 | -.19300 | -.19300 | 872.30000 |
| .597 | 2.000 | -.01000 | -10.00000 | -.01000 | -1.88000 | -10.01000 | -9.99000 | -.18100 | -.19400 | 872.30000 |
| .597 | 4.020 | -.01000 | -10.00000 | -.01000 | -.49700 | -10.01000 | -9.99000 | -.17700 | -.18700 | 872.30000 |
| .597 | 5.990 | -.01000 | -10.01000 | -.01000 | 1.03000 | -10.01000 | -10.00000 | -.17800 | -.19000 | 872.30000 |
| .597 | 8.000 | .00000 | -10.01000 | .00000 | 2.42800 | -10.01000 | -10.00000 | -.17900 | -.18700 | 872.30000 |
| .597 | 10.010 | -.01000 | -9.99000 | -.02000 | 3.42200 | -10.02000 | -9.97000 | -.18200 | -.18900 | 872.30000 |
| .597 | 10.990 | -.01000 | -10.00000 | -.01000 | 3.70400 | -10.01000 | -9.99000 | -.18300 | -.19800 | 872.30000 |
| .597 | 12.010 | -.01000 | -10.01000 | .00000 | 3.86400 | -10.01000 | -10.01000 | -.18800 | -.19800 | 872.30000 |
| .597 | 13.000 | -.01000 | -10.01000 | .00000 | 3.93000 | -10.02000 | -10.01000 | -.19400 | -.19800 | 872.30000 |
| .597 | 14.000 | -.01000 | -10.02000 | .01000 | 3.78200 | -10.02000 | -10.03000 | -.19900 | -.20900 | 872.30000 |
| .596 | 14.990 | -.01000 | -10.01000 | -.01000 | 3.54900 | -10.02000 | -10.00000 | -.21000 | -.21900 | 872.30000 |
| .597 | 16.030 | -.01000 | -10.02000 | .00000 | 3.34700 | -10.03000 | -10.02000 | -.21000 | -.22200 | 872.30000 |
| .597 | 18.020 | .00000 | -10.01000 | -.01000 | 2.93700 | -10.03000 | -10.00000 | -.22400 | -.23800 | 872.30000 |
| .597 | 20.000 | .02000 | -10.01000 | -.02000 | 2.62500 | -10.03000 | -9.99000 | -.24300 | -.26000 | 872.30000 |
| | GRADIENT | .00148 | -.00202 | -.00000 | .54828 | -.00148 | -.00054 | .00304 | .00146 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B021) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 28/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.940 | -.02000 | -10.11000 | 5.02000 | -3.63900 | -5.09000 | -15.14000 | -.19600 | -.19400 | 873.50000 |
| .596 | -.030 | -.01000 | -10.08000 | 5.03000 | -2.87500 | -5.05000 | -15.11000 | -.19800 | -.19500 | 873.50000 |
| .597 | 1.990 | -.01000 | -10.08000 | 5.02000 | -1.78800 | -5.05000 | -15.10000 | -.19300 | -.19800 | 873.50000 |
| .597 | 3.990 | -.01000 | -10.08000 | 5.03000 | -.40800 | -5.06000 | -15.11000 | -.18900 | -.19000 | 873.50000 |
| .597 | 6.000 | -.01000 | -10.08000 | 5.02000 | 1.06600 | -5.06000 | -15.10000 | -.19100 | -.18800 | 873.50000 |
| .597 | 7.960 | .00000 | -10.08000 | 5.02000 | 2.41300 | -5.06000 | -15.10000 | -.19100 | -.18800 | 873.50000 |
| .597 | 9.990 | -.01000 | -10.08000 | 5.02000 | 3.35100 | -5.06000 | -15.10000 | -.20000 | -.19200 | 873.50000 |
| .597 | 11.010 | -.01000 | -10.08000 | 5.02000 | 3.63500 | -5.06000 | -15.09000 | -.20100 | -.19700 | 873.50000 |
| .596 | 12.020 | -.01000 | -10.08000 | 5.01000 | 3.78400 | -5.06000 | -15.09000 | -.20100 | -.19700 | 873.50000 |
| .596 | 12.990 | .00000 | -10.08000 | 5.01000 | 3.85400 | -5.06000 | -15.09000 | -.20800 | -.20400 | 873.50000 |
| .597 | 13.990 | .00000 | -10.09000 | 5.03000 | 3.73500 | -5.07000 | -15.12000 | -.20900 | -.21300 | 873.50000 |
| .597 | 14.990 | .00000 | -10.09000 | 5.03000 | 3.50700 | -5.06000 | -15.12000 | -.21400 | -.21600 | 873.50000 |
| .596 | 16.020 | .00000 | -10.08000 | 5.01000 | 3.31000 | -5.06000 | -15.09000 | -.21400 | -.22400 | 873.50000 |
| .597 | 18.000 | .01000 | -10.08000 | 5.02000 | 2.90700 | -5.06000 | -15.09000 | -.22800 | -.23600 | 873.50000 |
| .596 | 19.980 | .03000 | -10.07000 | 5.02000 | 2.61100 | -5.06000 | -15.09000 | -.25800 | -.26100 | 873.50000 |
| | GRADIENT | .00150 | .00450 | .00100 | .54481 | .00448 | .00500 | .00132 | .00046 | .00000 |

ARC 200-1 11(LA77) OV101 (A28022) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 29/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.940 | 4.15000 | -10.07000 | 5.01000 | -3.76000 | -5.05000 | -15.08000 | -.21500 | -.20200 | 874.20000 |
| .597 | .000 | 4.17000 | -10.06000 | 5.00000 | -2.92800 | -5.06000 | -15.07000 | -.21800 | -.20500 | 874.20000 |
| .597 | 2.020 | 4.17000 | -10.07000 | 5.01000 | -1.77300 | -5.05000 | -15.08000 | -.21400 | -.20600 | 874.20000 |
| .597 | 4.010 | 4.18000 | -10.08000 | 5.02000 | -.35800 | -5.05000 | -15.10000 | -.22000 | -.20800 | 874.20000 |
| .597 | 6.000 | 4.19000 | -10.08000 | 5.02000 | 1.13200 | -5.06000 | -15.10000 | -.22700 | -.21100 | 874.20000 |
| .597 | 8.030 | 4.23000 | -10.08000 | 5.03000 | 2.47000 | -5.06000 | -15.11000 | -.23300 | -.20600 | 874.20000 |
| .597 | 10.030 | 4.24000 | -10.08000 | 5.02000 | 3.41400 | -5.06000 | -15.09000 | -.23300 | -.20300 | 874.20000 |
| .597 | 11.020 | 4.25000 | -10.08000 | 5.01000 | 3.70100 | -5.06000 | -15.09000 | -.23800 | -.20300 | 874.20000 |
| .597 | 12.060 | 4.26000 | -10.08000 | 5.01000 | 3.87400 | -5.06000 | -15.09000 | -.24100 | -.21000 | 874.20000 |
| .597 | 13.050 | 4.26000 | -10.08000 | 5.01000 | 3.93900 | -5.07000 | -15.09000 | -.24100 | -.21100 | 874.20000 |
| .597 | 14.050 | 4.27000 | -10.08000 | 5.01000 | 3.86400 | -5.07000 | -15.09000 | -.24100 | -.22100 | 874.20000 |
| .597 | 15.040 | 4.27000 | -10.09000 | 5.01000 | 3.54400 | -5.08000 | -15.09000 | -.24700 | -.22700 | 874.20000 |
| .597 | 16.060 | 4.27000 | -10.09000 | 5.01000 | 3.32300 | -5.08000 | -15.10000 | -.24700 | -.23200 | 874.20000 |
| .597 | 18.030 | 4.28000 | -10.09000 | 5.01000 | 2.95800 | -5.08000 | -15.10000 | -.26500 | -.24800 | 874.20000 |
| .597 | 20.000 | 4.29000 | -10.08000 | 5.01000 | 2.65900 | -5.08000 | -15.09000 | -.27800 | -.27100 | 874.20000 |
| | GRADIENT | .00451 | -.00203 | .00203 | .57212 | .00052 | -.00354 | -.00055 | -.00095 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B023) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 30/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -1.940 | 4.11000 | -10.00000 | .01000 | -3.88500 | -10.00000 | -10.01000 | -.21100 | -.19700 | 873.00000 |
| .599 | -.010 | 4.14000 | -10.00000 | .00000 | -3.06300 | -10.00000 | -10.00000 | -.21100 | -.20500 | 873.00000 |
| .599 | 2.060 | 4.11000 | -10.01000 | .00000 | -1.87400 | -10.00000 | -10.01000 | -.21800 | -.20100 | 873.00000 |
| .599 | 3.990 | 4.15000 | -10.01000 | .00000 | -.50000 | -10.01000 | -10.01000 | -.21200 | -.20000 | 873.00000 |
| .599 | 6.000 | 4.16000 | -10.01000 | .01000 | 1.05200 | -10.01000 | -10.02000 | -.22000 | -.20600 | 873.00000 |
| .599 | 7.990 | 4.19000 | -10.01000 | .01000 | 2.42600 | -10.00000 | -10.02000 | -.22300 | -.20000 | 873.00000 |
| .599 | 9.990 | 4.21000 | -10.02000 | .02000 | 3.43700 | -10.00000 | -10.04000 | -.23000 | -.19500 | 873.00000 |
| .599 | 11.040 | 4.21000 | -10.00000 | .00000 | 3.76900 | -10.00000 | -10.01000 | -.23000 | -.19700 | 873.00000 |
| .598 | 12.090 | 4.22000 | -10.00000 | .00000 | 3.94700 | -10.00000 | -10.00000 | -.23700 | -.19900 | 873.00000 |
| .599 | 13.070 | 4.23000 | -10.00000 | .00000 | 3.99600 | -10.00000 | -9.99000 | -.23400 | -.20800 | 873.00000 |
| .599 | 14.070 | 4.23000 | -9.99000 | -.01000 | 3.86000 | -10.00000 | -9.99000 | -.23000 | -.21600 | 873.00000 |
| .598 | 15.070 | 4.23000 | -10.02000 | .01000 | 3.56100 | -10.01000 | -10.02000 | -.23200 | -.22100 | 873.00000 |
| .599 | 16.080 | 4.24000 | -10.01000 | .01000 | 3.33900 | -10.01000 | -10.02000 | -.23300 | -.22700 | 873.00000 |
| .599 | 18.060 | 4.25000 | -10.00000 | -.01000 | 2.97200 | -10.01000 | -9.99000 | -.25300 | -.24100 | 873.00000 |
| .598 | 20.020 | 4.26000 | -10.02000 | .01000 | 2.66600 | -10.01000 | -10.03000 | -.28500 | -.26800 | 873.00000 |
| | GRADIENT | .00444 | -.00203 | -.00150 | .57121 | -.00150 | -.00052 | -.00052 | -.00024 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B024) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 31/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.960 | 4.11000 | .00000 | .00000 | -2.00800 | .00000 | .00000 | -.23300 | -.22500 | 874.60000 |
| .599 | .030 | 4.11000 | .01000 | .00000 | -.64300 | .01000 | .01000 | -.22600 | -.22300 | 874.60000 |
| .599 | 2.030 | 4.14000 | .01000 | .01000 | .83900 | .02000 | .00000 | -.22500 | -.22600 | 874.60000 |
| .598 | 3.960 | 4.14000 | .01000 | .01000 | 2.22800 | .01000 | .00000 | -.22400 | -.22600 | 874.60000 |
| .599 | 5.970 | 4.16000 | .00000 | .00000 | 3.42300 | .00000 | -.01000 | -.22400 | -.22600 | 874.60000 |
| .599 | 7.990 | 4.20000 | .00000 | .00000 | 4.24800 | .00000 | .00000 | -.22500 | -.21900 | 874.60000 |
| .597 | 10.000 | 4.21000 | .00000 | .00000 | 4.60700 | .00000 | -.01000 | -.22800 | -.22200 | 874.60000 |
| .599 | 10.980 | 4.22000 | .00000 | .00000 | 4.61300 | .00000 | .00000 | -.23300 | -.22600 | 874.60000 |
| .599 | 12.030 | 4.23000 | .00000 | .00000 | 4.54400 | .00000 | .00000 | -.22900 | -.22300 | 874.60000 |
| .598 | 13.050 | 4.23000 | .00000 | .00000 | 4.38900 | .00000 | .01000 | -.23600 | -.23100 | 874.60000 |
| .598 | 14.030 | 4.24000 | .01000 | -.02000 | 4.00200 | .00000 | .03000 | -.23400 | -.23800 | 874.60000 |
| .598 | 15.050 | 4.24000 | .02000 | -.02000 | 3.66500 | -.01000 | .04000 | -.24400 | -.24900 | 874.60000 |
| .598 | 16.070 | 4.24000 | .01000 | -.02000 | 3.42100 | -.01000 | .03000 | -.25300 | -.25300 | 874.60000 |
| .598 | 18.030 | 4.25000 | .00000 | -.01000 | 2.99500 | -.01000 | .01000 | -.27300 | -.27200 | 874.60000 |
| .598 | 20.000 | 4.26000 | .01000 | -.01000 | 2.69400 | -.01000 | .02000 | -.29900 | -.29000 | 874.60000 |
| | GRADIENT | .00608 | .00152 | .00203 | .71810 | .00204 | -.00050 | .00142 | -.00030 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B025) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 32/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -6.140 | 5.07000 | .03000 | .00000 | 3.18900 | .02000 | .03000 | -.23500 | -.22700 | 873.40000 |
| .599 | -4.120 | 5.03000 | .03000 | -.01000 | 3.02100 | .02000 | .03000 | -.22000 | -.22100 | 873.40000 |
| .600 | -3.090 | 5.02000 | .03000 | -.01000 | 2.94300 | .02000 | .03000 | -.21600 | -.21400 | 873.40000 |
| .599 | -2.050 | 5.01000 | .01000 | .02000 | 2.87100 | .02000 | -.01000 | -.20400 | -.21500 | 873.40000 |
| .598 | -1.020 | 4.99000 | .00000 | .02000 | 2.85400 | .02000 | -.02000 | -.20300 | -.21000 | 873.40000 |
| .598 | .010 | 4.98000 | .00000 | .02000 | 2.82800 | .02000 | -.02000 | -.19800 | -.20900 | 873.40000 |
| .599 | 1.040 | 5.02000 | .00000 | .02000 | 2.83500 | .02000 | -.01000 | -.19900 | -.20700 | 873.40000 |
| .599 | 2.070 | 5.01000 | .00000 | .02000 | 2.83500 | .02000 | -.01000 | -.20800 | -.21400 | 873.40000 |
| .599 | 3.100 | 5.01000 | .00000 | .02000 | 2.86700 | .02000 | -.01000 | -.21700 | -.21900 | 873.40000 |
| .599 | 4.140 | 5.00000 | .00000 | .02000 | 2.86700 | .02000 | -.01000 | -.23100 | -.22500 | 873.40000 |
| .600 | 6.170 | 4.99000 | .00000 | .01000 | 2.96400 | .01000 | -.01000 | -.23600 | -.23200 | 873.40000 |
| .599 | 8.260 | 5.01000 | -.01000 | .01000 | 3.22900 | .00000 | -.02000 | -.25100 | -.23600 | 873.40000 |
| | GRADIENT | -.00194 | -.00372 | .00339 | -.01511 | .00000 | -.00436 | -.00082 | -.00042 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B026) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 337 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .600 | -6.130 | 5.07000 | -9.99000 | .00000 | .58200 | -9.99000 | -9.99000 | -.22600 | -.20800 | 876.00000 |
| .600 | -4.110 | 5.03000 | -9.99000 | .00000 | .41100 | -9.98000 | -9.99000 | -.21400 | -.20500 | 876.00000 |
| .600 | -3.090 | 5.01000 | -9.99000 | .01000 | .34900 | -9.98000 | -10.00000 | -.20700 | -.19300 | 876.00000 |
| .600 | -2.060 | 5.00000 | -9.99000 | .00000 | .29300 | -9.99000 | -9.99000 | -.19400 | -.19900 | 876.00000 |
| .599 | -1.020 | 4.99000 | -9.99000 | .00000 | .24900 | -9.99000 | -10.00000 | -.18700 | -.19300 | 876.00000 |
| .599 | .010 | 4.99000 | -9.99000 | .00000 | .22200 | -9.99000 | -10.00000 | -.18000 | -.19000 | 876.00000 |
| .600 | 1.050 | 5.01000 | -9.99000 | .00000 | .25700 | -9.99000 | -9.99000 | -.18500 | -.19300 | 876.00000 |
| .599 | 2.090 | 5.00000 | -10.00000 | .00000 | .28100 | -9.99000 | -10.00000 | -.20100 | -.19800 | 876.00000 |
| .599 | 3.110 | 5.01000 | -10.00000 | .00000 | .32100 | -10.00000 | -10.00000 | -.20200 | -.20000 | 876.00000 |
| .599 | 4.110 | 5.01000 | -10.00000 | .00000 | .32900 | -10.00000 | -9.99000 | -.22200 | -.20500 | 876.00000 |
| .599 | 6.200 | 5.00000 | -10.00000 | .00000 | .38200 | -10.00000 | -10.00000 | -.22900 | -.21000 | 876.00000 |
| .599 | 8.260 | 5.02000 | -10.00000 | .00000 | .58800 | -10.00000 | -10.00000 | -.23900 | -.21700 | 876.00000 |
| | GRADIENT | -.00097 | -.00146 | -.00049 | -.00694 | -.00226 | -.00016 | -.00046 | -.00030 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B027) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 347 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -6.130 | 5.09000 | -10.09000 | 5.03000 | .66700 | -5.06000 | -15.11000 | -.22400 | -.21200 | 875.60000 |
| .599 | -4.120 | 5.05000 | -10.09000 | 5.03000 | .50200 | -5.06000 | -15.12000 | -.21400 | -.20400 | 875.60000 |
| .600 | -3.090 | 5.03000 | -10.09000 | 5.03000 | .45500 | -5.07000 | -15.12000 | -.20200 | -.19500 | 875.60000 |
| .599 | -2.050 | 5.04000 | -10.08000 | 5.02000 | .40600 | -5.07000 | -15.10000 | -.19500 | -.19500 | 875.60000 |
| .599 | -1.020 | 5.00000 | -10.09000 | 5.01000 | .38700 | -5.07000 | -15.10000 | -.19200 | -.19100 | 875.60000 |
| .600 | .020 | 4.99000 | -10.09000 | 5.01000 | .34000 | -5.07000 | -15.10000 | -.19000 | -.19000 | 875.60000 |
| .599 | 1.050 | 5.02000 | -10.09000 | 5.01000 | .37000 | -5.07000 | -15.10000 | -.20400 | -.19500 | 875.60000 |
| .600 | 2.100 | 5.00000 | -10.09000 | 5.01000 | .39300 | -5.08000 | -15.10000 | -.20400 | -.19400 | 875.60000 |
| .599 | 3.110 | 5.01000 | -10.09000 | 5.01000 | .40300 | -5.08000 | -15.10000 | -.21600 | -.20800 | 875.60000 |
| .599 | 6.200 | 5.00000 | -10.09000 | 5.01000 | .47200 | -5.08000 | -15.10000 | -.23900 | -.22100 | 875.60000 |
| .599 | 8.260 | 5.02000 | -10.09000 | 5.01000 | .70200 | -5.09000 | -15.10000 | -.24400 | -.21900 | 875.60000 |
| | GRADIENT | -.00576 | -.00034 | -.00311 | -.01333 | -.00219 | .00276 | -.00056 | -.00025 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B028) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = -10.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 35/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | AILRON | ALPHA | BETA | ELEVON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .600 | -6.950 | 5.00000 | .03000 | -10.05000 | .63800 | -17.00000 | -3.11000 | -.18900 | -.19400 | 876.80000 |
| .601 | -5.990 | 5.00000 | .03000 | -10.07000 | .52300 | -16.07000 | -4.08000 | -.18700 | -.19400 | 876.80000 |
| .600 | -5.020 | 4.99000 | .03000 | -10.08000 | .50600 | -15.10000 | -5.06000 | -.18000 | -.19500 | 876.80000 |
| .600 | -3.000 | 4.98000 | .03000 | -10.08000 | .35300 | -13.08000 | -7.08000 | -.17500 | -.19200 | 876.80000 |
| .599 | -.970 | 4.98000 | .03000 | -10.09000 | .26400 | -11.06000 | -9.12000 | -.17400 | -.18900 | 876.80000 |
| .600 | -.010 | 4.98000 | .03000 | -9.98000 | .24100 | -9.99000 | -9.96000 | -.17700 | -.19000 | 876.80000 |
| .600 | 1.030 | 4.97000 | .03000 | -10.11000 | .16100 | -9.08000 | -11.14000 | -.18200 | -.18800 | 876.80000 |
| .600 | 3.040 | 4.98000 | .03000 | -10.11000 | .20200 | -7.07000 | -13.15000 | -.17900 | -.18800 | 876.80000 |
| .600 | 5.060 | 4.98000 | .03000 | -10.14000 | .32100 | -5.08000 | -15.21000 | -.18900 | -.18900 | 876.80000 |
| | GRADIENT | -.00050 | .00000 | -.00563 | -.02764 | .99437 | -1.00564 | -.00099 | .00065 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B029) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 324/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .595 | -6.080 | 10.01000 | -.03000 | -.05000 | 4.70200 | -.08000 | .02000 | -.23700 | -.23600 | 861.60000 |
| .595 | -4.070 | 10.00000 | -.04000 | -.06000 | 4.68200 | -.10000 | .02000 | -.22300 | -.22400 | 861.60000 |
| .595 | -3.050 | 9.99000 | -.03000 | -.05000 | 4.64500 | -.08000 | .02000 | -.20700 | -.20400 | 861.60000 |
| .595 | -2.040 | 9.98000 | -.03000 | -.05000 | 4.61500 | -.09000 | .02000 | -.19500 | -.19700 | 861.60000 |
| .596 | -1.020 | 9.97000 | -.03000 | -.06000 | 4.60100 | -.09000 | .03000 | -.19700 | -.18700 | 861.60000 |
| .596 | -.020 | 9.97000 | -.03000 | -.06000 | 4.60200 | -.09000 | .03000 | -.18800 | -.18900 | 861.60000 |
| .596 | .980 | 9.98000 | -.03000 | -.05000 | 4.57200 | -.09000 | .02000 | -.19100 | -.19000 | 861.60000 |
| .596 | 2.030 | 10.02000 | -.02000 | -.04000 | 4.56500 | -.06000 | .03000 | -.19700 | -.19900 | 861.60000 |
| .596 | 3.070 | 10.02000 | -.02000 | -.04000 | 4.58700 | -.06000 | .03000 | -.20900 | -.20600 | 861.60000 |
| .596 | 4.100 | 10.01000 | -.02000 | -.04000 | 4.60600 | -.06000 | .03000 | -.22300 | -.21900 | 861.60000 |
| .595 | 6.170 | 9.99000 | -.03000 | -.05000 | 4.60600 | -.08000 | .02000 | -.23900 | -.23400 | 861.60000 |
| .596 | 8.240 | 10.01000 | -.03000 | -.06000 | 4.67700 | -.09000 | .03000 | -.24700 | -.25100 | 861.60000 |
| | GRADIENT | .00362 | .00213 | .00229 | -.00988 | .00459 | .00131 | -.00009 | .00009 | .00000 |

ARC 200-1 11(LA77) OV101 (A28030) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 325/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -.030 | -.04000 | -.02000 | -.04000 | -.59800 | -.05000 | .02000 | -.20000 | -.20100 | 863.20000 |
| .596 | 4.950 | -.03000 | -.01000 | -.04000 | 2.89300 | -.05000 | .03000 | -.19300 | -.18800 | 863.20000 |
| .596 | 9.960 | -.02000 | .00000 | -.04000 | 4.58900 | -.05000 | .04000 | -.18800 | -.18900 | 863.20000 |
| | GRADIENT | .00201 | .00201 | .00000 | .70100 | .00000 | .00201 | .00141 | .00261 | .00000 |

RUN NO. 326/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | .000 | -.03000 | -.03000 | -.05000 | -.38200 | -.07000 | .02000 | -.21700 | -.21300 | 1191.00000 |
| .900 | 4.980 | -.03000 | -.02000 | -.06000 | 2.34700 | -.08000 | .04000 | -.20400 | -.20200 | 1191.00000 |
| .900 | 10.000 | -.02000 | -.01000 | -.06000 | 2.97500 | -.08000 | .05000 | -.21200 | -.21200 | 1191.00000 |
| | GRADIENT | .00000 | .00201 | -.00201 | .54799 | -.00201 | .00402 | .00261 | .00221 | .00000 |

RUN NO. 327/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .920 | -.010 | -.02000 | -.01000 | -.07000 | -.23600 | -.08000 | .06000 | -.23000 | -.22300 | 1213.00000 |
| .921 | 4.990 | -.03000 | .00000 | -.06000 | 2.33100 | -.07000 | .06000 | -.21300 | -.20900 | 1213.00000 |
| .921 | 9.960 | -.02000 | -.02000 | -.05000 | 2.89100 | -.06000 | .03000 | -.22600 | -.22400 | 1213.00000 |
| | GRADIENT | -.00200 | .00200 | .00200 | .51340 | .00200 | .00000 | .00340 | .00280 | .00000 |

RUN NO. 328/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | .000 | -.04000 | -.02000 | -.06000 | -.36800 | -.08000 | .04000 | -.24400 | -.24800 | 1243.00000 |
| .950 | 4.970 | -.03000 | -.01000 | -.05000 | 2.14900 | -.06000 | .04000 | -.24500 | -.24700 | 1243.00000 |
| .948 | 9.980 | -.01000 | -.03000 | -.04000 | 2.82000 | -.07000 | .01000 | -.24600 | -.24100 | 1243.00000 |
| | GRADIENT | .00201 | .00201 | .00201 | .50644 | .00402 | .00000 | -.00020 | .00020 | .00000 |

RUN NO. 329/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .978 | -.030 | -.03000 | -.02000 | -.06000 | -.38700 | -.08000 | .04000 | -.29300 | -.30000 | 1265.00000 |
| .980 | 4.980 | -.03000 | -.02000 | -.05000 | 1.84400 | -.07000 | .03000 | -.30100 | -.30400 | 1265.00000 |
| .981 | 9.990 | -.02000 | -.04000 | -.05000 | 2.53500 | -.09000 | .01000 | -.33700 | -.33300 | 1265.00000 |
| | GRADIENT | .00000 | .00000 | .00200 | .44531 | .00200 | -.00200 | -.00160 | -.00080 | .00000 |

ARC 200-1 11(LA77) OV101 (A28030) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 330/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .999 | -.020 | -.04000 | -.02000 | -.07000 | -.31400 | -.09000 | .04000 | -.33200 | -.33000 | 1285.00000 |
| .999 | 4.960 | -.03000 | -.03000 | -.06000 | 1.77300 | -.09000 | .02000 | -.33600 | -.34700 | 1285.00000 |
| 1.000 | 9.950 | -.01000 | -.03000 | -.05000 | 2.40600 | -.09000 | .02000 | -.38300 | -.37400 | 1285.00000 |
| | GRADIENT | .00201 | -.00201 | .00201 | .41908 | .00000 | -.00402 | -.00080 | -.00341 | .00000 |

RUN NO. 331/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.016 | -.010 | -.03000 | -.02000 | -.07000 | -.26100 | -.09000 | .06000 | -.38600 | -.38700 | 1299.00000 |
| 1.017 | 4.970 | -.02000 | -.02000 | -.06000 | 1.64700 | -.08000 | .04000 | -.38900 | -.38700 | 1299.00000 |
| 1.019 | 9.950 | -.01000 | -.03000 | -.04000 | 2.32100 | -.08000 | .01000 | -.40300 | -.40600 | 1299.00000 |
| | GRADIENT | .00201 | -.00000 | .00201 | .38313 | .00201 | -.00402 | -.00060 | .00000 | .00000 |

RUN NO. 332/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | .010 | -.04000 | -.02000 | -.06000 | -.25100 | -.08000 | .04000 | -.35000 | -.34900 | 1326.00000 |
| 1.049 | 4.960 | -.03000 | -.02000 | -.05000 | 1.65600 | -.07000 | .03000 | -.35100 | -.35000 | 1326.00000 |
| 1.047 | 9.960 | -.02000 | -.02000 | -.04000 | 2.33400 | -.06000 | .02000 | -.36800 | -.36800 | 1326.00000 |
| | GRADIENT | .00202 | .00000 | .00202 | .38525 | .00202 | -.00202 | -.00020 | -.00020 | .00000 |

RUN NO. 333/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.115 | .000 | -.03000 | -.03000 | -.06000 | -.15900 | -.09000 | .03000 | -.36200 | -.36500 | 1374.00000 |
| 1.115 | 4.960 | -.03000 | -.03000 | -.04000 | 1.60300 | -.07000 | .01000 | -.35400 | -.35300 | 1374.00000 |
| 1.116 | 9.960 | -.01000 | -.03000 | -.05000 | 2.27500 | -.08000 | .03000 | -.36400 | -.36400 | 1374.00000 |
| | GRADIENT | .00000 | .00000 | .00403 | .35524 | .00403 | -.00403 | .00161 | .00242 | .00000 |

RUN NO. 334/ 0 RN/L = 6.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.195 | .000 | -.03000 | -.02000 | -.06000 | -.05900 | -.07000 | .04000 | -.35800 | -.35800 | 1425.00000 |
| 1.198 | 4.970 | -.03000 | -.03000 | -.04000 | 1.58800 | -.08000 | .01000 | -.33200 | -.33600 | 1425.00000 |
| 1.196 | 9.950 | -.02000 | -.03000 | -.05000 | 2.26900 | -.09000 | .02000 | -.35100 | -.35200 | 1425.00000 |
| | GRADIENT | .00000 | -.00201 | .00402 | .33139 | -.00201 | -.00604 | .00523 | .00443 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B031) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.750

RUN NO. 50/ 0 RN/L = 8.72 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.200 | 14.96000 | .02000 | .02000 | 2.56300 | .04000 | -.01000 | -.34200 | -.33400 | 1611.00000 |
| .950 | -4.130 | 14.97000 | .01000 | -.01000 | 2.55600 | -.01000 | .02000 | -.32900 | -.33800 | 1611.00000 |
| .949 | -3.080 | 14.97000 | -.01000 | -.02000 | 2.55200 | -.02000 | .01000 | -.31000 | -.33000 | 1611.00000 |
| .948 | -2.030 | 14.95000 | .01000 | -.03000 | 2.55700 | -.02000 | .04000 | -.30900 | -.34200 | 1611.00000 |
| .947 | -.970 | 14.95000 | .03000 | -.05000 | 2.55600 | -.02000 | .08000 | -.30300 | -.32900 | 1611.00000 |
| .949 | .080 | 14.98000 | .00000 | -.03000 | 2.54500 | -.03000 | .02000 | -.29500 | -.33000 | 1611.00000 |
| .949 | 1.130 | 14.95000 | .00000 | -.03000 | 2.55300 | -.03000 | .03000 | -.31900 | -.34500 | 1611.00000 |
| .948 | 2.110 | 14.97000 | .02000 | -.04000 | 2.55500 | -.02000 | .07000 | -.31900 | -.32400 | 1611.00000 |
| .949 | 3.180 | 14.97000 | -.01000 | -.01000 | 2.56200 | -.02000 | .01000 | -.32400 | -.34300 | 1611.00000 |
| .950 | 4.250 | 14.99000 | .00000 | -.03000 | 2.55800 | -.03000 | .03000 | -.34400 | -.34100 | 1611.00000 |
| .949 | 6.380 | 14.97000 | .00000 | -.02000 | 2.56400 | -.02000 | .02000 | -.35400 | -.34300 | 1611.00000 |
| .947 | 8.500 | 14.98000 | .03000 | .03000 | 2.58800 | .06000 | .01000 | -.34100 | -.33700 | 1611.00000 |
| | GRADIENT | .00191 | -.00080 | -.00080 | .00049 | -.00145 | .00079 | -.00219 | -.00050 | -.00000 |

ARC 200-1 II(LA77) OV101 + TO - BETA (A2B032) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.750

RUN NO. 51/ 0 RN/L = 8.71 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.260 | 14.94000 | -.01000 | -.02000 | 2.59200 | -.03000 | .01000 | -.34700 | -.34300 | 1610.00000 |
| .949 | -4.200 | 14.94000 | .04000 | .02000 | 2.56700 | .06000 | .02000 | -.32500 | -.32400 | 1610.00000 |
| .949 | -3.160 | 14.95000 | .03000 | .03000 | 2.55500 | .06000 | .01000 | -.31600 | -.32200 | 1610.00000 |
| .951 | -2.110 | 14.96000 | .02000 | -.01000 | 2.54900 | .01000 | .04000 | -.30500 | -.32300 | 1610.00000 |
| .949 | -1.060 | 14.96000 | .01000 | .01000 | 2.55000 | .01000 | .00000 | -.30600 | -.32200 | 1610.00000 |
| .948 | .000 | 14.99000 | .03000 | -.02000 | 2.54500 | .01000 | .05000 | -.30000 | -.33100 | 1610.00000 |
| .950 | 1.070 | 15.00000 | .01000 | -.01000 | 2.54500 | .00000 | .03000 | -.30900 | -.33000 | 1610.00000 |
| .949 | 2.140 | 15.02000 | .03000 | -.03000 | 2.54600 | -.01000 | .06000 | -.32300 | -.32500 | 1610.00000 |
| .949 | 3.210 | 15.00000 | .01000 | -.02000 | 2.55700 | -.01000 | .02000 | -.33300 | -.32900 | 1610.00000 |
| .948 | 4.280 | 15.02000 | .02000 | -.04000 | 2.55300 | -.02000 | .05000 | -.33000 | -.33400 | 1610.00000 |
| .947 | 6.420 | 14.97000 | .00000 | -.02000 | 2.56600 | -.03000 | .02000 | -.33900 | -.32600 | 1610.00000 |
| .949 | 8.500 | 15.00000 | .04000 | .00000 | 2.58100 | .04000 | .03000 | -.34200 | -.35300 | 1610.00000 |
| | GRADIENT | .00989 | -.00188 | -.00707 | -.00095 | -.00910 | .00346 | -.00175 | -.00115 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B033) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.750

RUN NO. 52/ 0 RN/L = 8.70 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.200 | 5.11000 | -.01000 | .01000 | 2.08200 | .00000 | -.03000 | -.29500 | -.29400 | 1609.00000 |
| .949 | -4.140 | 5.11000 | .01000 | -.01000 | 2.17300 | .00000 | .03000 | -.27000 | -.27400 | 1609.00000 |
| .946 | -3.090 | 5.11000 | .00000 | .00000 | 2.21200 | .00000 | .00000 | -.25200 | -.27200 | 1609.00000 |
| .949 | -2.050 | 5.12000 | .01000 | -.02000 | 2.17600 | -.01000 | .04000 | -.24700 | -.25900 | 1609.00000 |
| .949 | -1.010 | 5.12000 | .01000 | -.03000 | 2.20100 | -.02000 | .04000 | -.25900 | -.26200 | 1609.00000 |
| .948 | -.010 | 5.12000 | -.03000 | .00000 | 2.17500 | -.03000 | -.03000 | -.24900 | -.25200 | 1609.00000 |
| .950 | 1.030 | 5.13000 | -.01000 | -.04000 | 2.19200 | -.04000 | .03000 | -.25400 | -.26200 | 1609.00000 |
| .949 | 2.080 | 5.09000 | -.01000 | -.05000 | 2.17600 | -.06000 | .04000 | -.25700 | -.26200 | 1609.00000 |
| .950 | 3.130 | 5.07000 | -.02000 | -.03000 | 2.16800 | -.05000 | .00000 | -.27100 | -.26800 | 1609.00000 |
| .947 | 4.200 | 5.04000 | -.01000 | -.04000 | 2.12300 | -.05000 | .02000 | -.27400 | -.27200 | 1609.00000 |
| .950 | 6.330 | 5.02000 | -.02000 | -.04000 | 1.98100 | -.06000 | .02000 | -.30100 | -.29300 | 1609.00000 |
| .950 | 8.420 | 5.05000 | -.01000 | -.05000 | 1.93300 | -.06000 | .04000 | -.32100 | -.31500 | 1609.00000 |
| | GRADIENT | -.00726 | -.00319 | -.00450 | -.00549 | -.00753 | -.00079 | -.00142 | .00022 | .00000 |

ARC 200-1 1(LA77) OV101 + TO - BETA (A28034) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.750

RUN NO. 53/ 0 RN/L = 8.70 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -6.190 | 5.13000 | .01000 | .03000 | 2.07900 | .04000 | -.02000 | -.29400 | -.29000 | 1612.00000 |
| .949 | -4.110 | 5.12000 | .00000 | .04000 | 2.16600 | .04000 | -.03000 | -.27500 | -.27300 | 1612.00000 |
| .949 | -3.060 | 5.13000 | .03000 | .01000 | 2.20800 | .04000 | .02000 | -.26600 | -.27500 | 1612.00000 |
| .950 | -2.030 | 5.14000 | .02000 | -.01000 | 2.22100 | .01000 | .02000 | -.26400 | -.26900 | 1612.00000 |
| .951 | -1.000 | 5.16000 | .01000 | -.01000 | 2.18800 | -.01000 | .02000 | -.24900 | -.25800 | 1612.00000 |
| .949 | .000 | 5.11000 | -.01000 | .00000 | 2.17000 | -.01000 | -.01000 | -.24800 | -.24800 | 1612.00000 |
| .948 | 1.050 | 5.09000 | -.01000 | -.02000 | 2.17500 | -.02000 | .01000 | -.24600 | -.24700 | 1612.00000 |
| .949 | 2.110 | 5.06000 | .00000 | -.03000 | 2.17100 | -.03000 | .03000 | -.25400 | -.26200 | 1612.00000 |
| .949 | 3.160 | 5.04000 | .00000 | -.04000 | 2.14700 | -.04000 | .04000 | -.25700 | -.26500 | 1612.00000 |
| .949 | 4.220 | 5.02000 | .00000 | -.03000 | 2.09400 | -.04000 | .03000 | -.26100 | -.27300 | 1612.00000 |
| .949 | 6.350 | 5.00000 | -.01000 | -.04000 | 1.97700 | -.05000 | .03000 | -.29600 | -.29200 | 1612.00000 |
| .950 | 8.430 | 5.04000 | .00000 | -.04000 | 1.92800 | -.05000 | .04000 | -.31500 | -.31200 | 1612.00000 |
| | GRADIENT | -.01447 | -.00239 | -.00770 | -.00939 | -.01042 | .00500 | .00168 | .00086 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B035) ( 17 SEP 76 )

REFERENCE, DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 6.000

RUN NO. 56/ 0 RN/L = 6.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .953 | -6.150 | 15.11000 | .03000 | .00000 | 2.52200 | .03000 | .03000 | -.34500 | -.34500 | 1088.00000 |
| .953 | -4.130 | 15.15000 | .02000 | .01000 | 2.51400 | .02000 | .01000 | -.32500 | -.33300 | 1088.00000 |
| .953 | -3.070 | 15.15000 | .01000 | .01000 | 2.51100 | .02000 | .00000 | -.31200 | -.33300 | 1088.00000 |
| .952 | -2.010 | 15.14000 | .01000 | .01000 | 2.51600 | .02000 | .01000 | -.32000 | -.33200 | 1088.00000 |
| .950 | -.950 | 15.14000 | .03000 | -.01000 | 2.50300 | .02000 | .04000 | -.30500 | -.32800 | 1088.00000 |
| .953 | .110 | 15.15000 | .02000 | .00000 | 2.49900 | .02000 | .02000 | -.31700 | -.35700 | 1088.00000 |
| .952 | 1.180 | 15.11000 | .02000 | -.01000 | 2.51000 | .02000 | .03000 | -.31200 | -.34500 | 1088.00000 |
| .952 | 2.180 | 15.08000 | .03000 | -.02000 | 2.52100 | .01000 | .04000 | -.32300 | -.33800 | 1088.00000 |
| .953 | 3.240 | 15.07000 | .02000 | -.02000 | 2.51900 | .01000 | .04000 | -.32500 | -.34700 | 1088.00000 |
| .953 | 4.290 | 15.05000 | .02000 | -.01000 | 2.51300 | .00000 | .03000 | -.33700 | -.33000 | 1088.00000 |
| .951 | 6.370 | 14.99000 | .01000 | .00000 | 2.53300 | .01000 | .02000 | -.34400 | -.35500 | 1088.00000 |
| .952 | 8.420 | 14.98000 | .04000 | -.01000 | 2.55500 | .03000 | .04000 | -.33400 | -.34800 | 1088.00000 |
| | GRADIENT | -.01249 | .00095 | -.00364 | .00058 | -.00205 | .00396 | -.00157 | -.00094 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A28036) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 6.000

RUN NO. 57/ 0 RN/L = 6.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -6.150 | 15.12000 | .03000 | -.02000 | 2.52300 | .00000 | .05000 | -.35000 | -.34100 | 1090.00000 |
| .952 | -4.060 | 15.13000 | .03000 | -.03000 | 2.51500 | .00000 | .06000 | -.32900 | -.33200 | 1090.00000 |
| .952 | -3.090 | 15.14000 | -.02000 | .02000 | 2.50400 | .00000 | -.04000 | -.31200 | -.31800 | 1090.00000 |
| .951 | -2.040 | 15.14000 | -.01000 | .01000 | 2.50600 | .00000 | -.01000 | -.31000 | -.33600 | 1090.00000 |
| .953 | -.990 | 15.14000 | .00000 | .00000 | 2.49800 | .00000 | -.01000 | -.30200 | -.33300 | 1090.00000 |
| .952 | .050 | 15.16000 | .01000 | -.01000 | 2.49900 | .00000 | .02000 | -.30900 | -.34000 | 1090.00000 |
| .955 | 1.120 | 15.15000 | .00000 | -.01000 | 2.50300 | -.01000 | .02000 | -.32000 | -.34300 | 1090.00000 |
| .955 | 2.190 | 15.14000 | -.01000 | -.01000 | 2.50600 | -.01000 | .00000 | -.32600 | -.33700 | 1090.00000 |
| .951 | 3.250 | 15.11000 | .02000 | -.02000 | 2.51800 | -.01000 | .04000 | -.33500 | -.34900 | 1090.00000 |
| .954 | 4.290 | 15.08000 | .01000 | -.01000 | 2.51300 | -.01000 | .02000 | -.35700 | -.34100 | 1090.00000 |
| .951 | 6.380 | 15.03000 | -.01000 | .00000 | 2.52400 | -.01000 | .00000 | -.34600 | -.33100 | 1090.00000 |
| .954 | 8.420 | 14.98000 | .02000 | .01000 | 2.55300 | .02000 | .01000 | -.34400 | -.34700 | 1090.00000 |
| | GRADIENT | -.00448 | .00067 | -.00147 | .00064 | -.00159 | .00214 | -.00370 | -.00224 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B037) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 6.000

RUN NO. 58/ 0 RN/L = 6.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .953 | -6.110 | 5.09000 | .04000 | .00000 | 2.09600 | .05000 | .04000 | -.30600 | -.30000 | 1089.00000 |
| .952 | -4.090 | 5.07000 | .02000 | .00000 | 2.15400 | .02000 | .03000 | -.26600 | -.27600 | 1089.00000 |
| .953 | -3.060 | 5.07000 | .02000 | -.01000 | 2.16900 | .01000 | .03000 | -.26600 | -.26700 | 1089.00000 |
| .952 | -2.010 | 5.08000 | .01000 | .00000 | 2.16400 | .00000 | .01000 | -.25400 | -.27100 | 1089.00000 |
| .952 | -.990 | 5.09000 | .01000 | -.01000 | 2.16000 | .00000 | .01000 | -.24200 | -.25800 | 1089.00000 |
| .951 | .010 | 5.07000 | .01000 | -.01000 | 2.15600 | .00000 | .02000 | -.25100 | -.25800 | 1089.00000 |
| .952 | 1.030 | 5.09000 | .01000 | -.02000 | 2.14200 | -.01000 | .02000 | -.24800 | -.25900 | 1089.00000 |
| .954 | 2.060 | 5.05000 | .01000 | -.01000 | 2.14000 | -.01000 | .02000 | -.25900 | -.26200 | 1089.00000 |
| .951 | 3.100 | 5.03000 | .00000 | -.02000 | 2.13500 | -.02000 | .01000 | -.25900 | -.27200 | 1089.00000 |
| .951 | 4.140 | 5.02000 | -.01000 | -.03000 | 2.08000 | -.04000 | .01000 | -.26000 | -.28000 | 1089.00000 |
| .951 | 6.230 | 5.00000 | -.03000 | -.05000 | 1.97300 | -.08000 | .02000 | -.28700 | -.28900 | 1089.00000 |
| .952 | 8.290 | 5.01000 | -.03000 | -.05000 | 1.94000 | -.08000 | .02000 | -.31100 | -.31300 | 1089.00000 |
| | GRADIENT | -.00618 | -.00293 | -.00292 | -.00755 | -.00586 | -.00180 | .00047 | -.00023 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A28038) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
RN/L = 6.000

RUN NO. 59/ 0 RN/L = 6.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .953 | -6.100 | 5.09000 | .02000 | .00000 | 2.11300 | .02000 | .02000 | -.29400 | -.29900 | 1086.00000 |
| .953 | -4.040 | 5.08000 | .00000 | -.03000 | 2.14700 | -.02000 | .03000 | -.27000 | -.27600 | 1086.00000 |
| .950 | -3.010 | 5.09000 | -.03000 | .00000 | 2.19600 | -.03000 | -.04000 | -.25400 | -.27300 | 1086.00000 |
| .954 | -2.000 | 5.10000 | -.01000 | -.02000 | 2.16100 | -.04000 | .01000 | -.25700 | -.27000 | 1086.00000 |
| .955 | -.970 | 5.11000 | -.03000 | -.01000 | 2.13100 | -.04000 | -.03000 | -.25400 | -.25500 | 1086.00000 |
| .950 | .010 | 5.07000 | -.02000 | -.03000 | 2.16500 | -.04000 | .01000 | -.24800 | -.26500 | 1086.00000 |
| .955 | 1.040 | 5.05000 | -.04000 | -.01000 | 2.11600 | -.05000 | -.03000 | -.25000 | -.25800 | 1086.00000 |
| .950 | 2.080 | 5.03000 | -.02000 | -.03000 | 2.14700 | -.05000 | .01000 | -.25200 | -.26300 | 1086.00000 |
| .954 | 3.120 | 5.01000 | -.02000 | -.04000 | 2.10000 | -.05000 | .02000 | -.26300 | -.27100 | 1086.00000 |
| .951 | 4.150 | 5.00000 | -.02000 | -.04000 | 2.08800 | -.06000 | .02000 | -.27800 | -.27900 | 1086.00000 |
| .955 | 6.260 | 4.98000 | -.02000 | -.04000 | 1.95300 | -.06000 | .01000 | -.29000 | -.29300 | 1086.00000 |
| .951 | 8.290 | 5.01000 | -.02000 | -.05000 | 1.94500 | -.07000 | .02000 | -.30900 | -.31700 | 1086.00000 |
| | GRADIENT | -.01240 | -.00130 | -.00294 | -.00926 | -.00408 | .00229 | -.00075 | .00007 | .00000 |

ARC 200-1 11(LA77) 0V101 (A28039) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 60/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.980 | -.03000 | .00000 | -.01000 | -.85400 | .00000 | .01000 | -.36300 | -.35400 | 1668.00000 |
| 1.200 | .030 | -.04000 | -.03000 | .00000 | -.10100 | -.03000 | -.04000 | -.35400 | -.35200 | 1668.00000 |
| 1.199 | 2.020 | -.03000 | -.03000 | -.03000 | .63400 | -.07000 | .00000 | -.35100 | -.35100 | 1668.00000 |
| 1.200 | 4.010 | -.03000 | -.03000 | .00000 | 1.24700 | -.03000 | -.03000 | -.34700 | -.35300 | 1668.00000 |
| 1.197 | 6.020 | -.04000 | -.04000 | .00000 | 1.73100 | -.04000 | -.04000 | -.35600 | -.36400 | 1668.00000 |
| 1.198 | 7.940 | -.04000 | -.06000 | -.03000 | 2.02900 | -.09000 | -.02000 | -.36300 | -.37200 | 1668.00000 |
| 1.199 | 10.940 | -.03000 | -.08000 | -.03000 | 2.25400 | -.11000 | -.06000 | -.37900 | -.38400 | 1668.00000 |
| 1.197 | 11.970 | -.03000 | -.05000 | -.02000 | 2.27200 | -.06000 | -.03000 | -.37900 | -.38800 | 1668.00000 |
| 1.198 | 12.970 | -.03000 | -.01000 | -.03000 | 2.25900 | -.04000 | .02000 | -.38800 | -.39800 | 1668.00000 |
| 1.198 | 13.950 | -.03000 | -.01000 | -.02000 | 2.23000 | -.03000 | .01000 | -.39900 | -.40700 | 1668.00000 |
| 1.197 | 14.980 | -.03000 | -.01000 | -.02000 | 2.19000 | -.03000 | .01000 | -.40800 | -.41600 | 1668.00000 |
| 1.198 | 15.950 | -.03000 | -.02000 | -.02000 | 2.14500 | -.04000 | .00000 | -.41700 | -.42700 | 1668.00000 |
| 1.197 | 17.910 | -.02000 | -.01000 | -.03000 | 2.05500 | -.04000 | .02000 | -.43300 | -.43800 | 1668.00000 |
| 1.197 | 20.050 | -.01000 | .00000 | -.02000 | 1.93900 | -.02000 | .02000 | -.45800 | -.45900 | 1668.00000 |
| | GRADIENT | .00050 | -.00452 | -.00000 | .35263 | -.00653 | -.00402 | .00256 | .00020 | .00000 |

ARC 200-1 11(LA77) OV101 (A28040) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 61/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.930 | 4.22000 | .07000 | -.04000 | -.84200 | .03000 | .10000 | -.40800 | -.37700 | 1692.00000 |
| 1.199 | .040 | 4.24000 | .04000 | -.03000 | -.14000 | .00000 | .07000 | -.39500 | -.37300 | 1692.00000 |
| 1.197 | 2.040 | 4.24000 | .01000 | -.04000 | .58100 | -.04000 | .05000 | -.38000 | -.37100 | 1692.00000 |
| 1.198 | 4.030 | 4.24000 | -.02000 | -.06000 | 1.21400 | -.07000 | .04000 | -.37600 | -.36800 | 1692.00000 |
| 1.198 | 6.040 | 4.25000 | .00000 | -.04000 | 1.69700 | -.04000 | .04000 | -.38200 | -.37700 | 1692.00000 |
| 1.199 | 8.000 | 4.27000 | .03000 | -.02000 | 2.01600 | .01000 | .05000 | -.39300 | -.38700 | 1692.00000 |
| 1.198 | 10.030 | 4.29000 | .01000 | -.04000 | 2.17800 | -.03000 | .04000 | -.40000 | -.39800 | 1692.00000 |
| 1.198 | 11.000 | 4.33000 | .00000 | -.03000 | 2.21400 | -.03000 | .04000 | -.40800 | -.40300 | 1692.00000 |
| 1.199 | 12.010 | 4.35000 | .03000 | -.02000 | 2.23200 | .01000 | .05000 | -.40700 | -.40500 | 1692.00000 |
| 1.197 | 13.060 | 4.36000 | .01000 | -.04000 | 2.22800 | -.03000 | .05000 | -.41800 | -.41400 | 1692.00000 |
| 1.198 | 14.050 | 4.37000 | .01000 | -.04000 | 2.21200 | -.03000 | .06000 | -.42100 | -.41800 | 1692.00000 |
| 1.196 | 15.100 | 4.38000 | .03000 | -.04000 | 2.17700 | -.01000 | .08000 | -.43600 | -.42700 | 1692.00000 |
| 1.199 | 16.070 | 4.39000 | .01000 | -.03000 | 2.13700 | -.02000 | .04000 | -.44400 | -.42900 | 1692.00000 |
| 1.196 | 18.010 | 4.41000 | .04000 | -.07000 | 2.05500 | -.03000 | .10000 | -.45400 | -.43500 | 1692.00000 |
| 1.198 | 20.130 | 4.44000 | .01000 | -.05000 | 1.95000 | -.04000 | .06000 | -.45800 | -.44700 | 1692.00000 |
| | GRADIENT | .00301 | -.01509 | -.00353 | .34652 | -.01710 | -.01006 | .00558 | .00146 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28041) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 62/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -6.380 | 10.16000 | .09000 | .04000 | 2.25100 | .13000 | .04000 | -.39600 | -.38700 | 1713.00000 |
| 1.197 | -4.290 | 10.15000 | .01000 | -.02000 | 2.24000 | -.01000 | .03000 | -.38500 | -.38500 | 1713.00000 |
| 1.198 | -3.230 | 10.14000 | .01000 | -.02000 | 2.23400 | -.01000 | .02000 | -.38000 | -.38800 | 1713.00000 |
| 1.198 | -2.170 | 10.15000 | .00000 | -.02000 | 2.23300 | -.02000 | .02000 | -.37800 | -.38500 | 1713.00000 |
| 1.198 | -1.120 | 10.18000 | .00000 | -.03000 | 2.23200 | -.03000 | .03000 | -.37600 | -.38600 | 1713.00000 |
| 1.197 | .010 | 10.27000 | .00000 | -.03000 | 2.23000 | -.03000 | .04000 | -.37600 | -.38200 | 1713.00000 |
| 1.197 | 1.180 | 10.15000 | .01000 | -.04000 | 2.22100 | -.02000 | .05000 | -.38300 | -.38900 | 1713.00000 |
| 1.197 | 2.220 | 10.12000 | .02000 | -.05000 | 2.21600 | -.03000 | .06000 | -.38800 | -.39000 | 1713.00000 |
| 1.199 | 3.260 | 10.08000 | .01000 | -.05000 | 2.20300 | -.04000 | .06000 | -.39800 | -.39300 | 1713.00000 |
| 1.198 | 4.300 | 10.05000 | -.01000 | -.04000 | 2.18600 | -.05000 | .02000 | -.39900 | -.39900 | 1713.00000 |
| 1.196 | 6.410 | 10.04000 | .00000 | -.04000 | 2.15100 | -.04000 | .04000 | -.41500 | -.40600 | 1713.00000 |
| 1.198 | 8.510 | 10.05000 | .00000 | -.04000 | 2.14600 | -.04000 | .04000 | -.43400 | -.40300 | 1713.00000 |
| | GRADIENT | -.01031 | -.00043 | -.00371 | -.00544 | -.00398 | .00292 | -.00211 | -.00129 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B042) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 89/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .600 | -2.030 | -.02000 | .01000 | .00000 | -2.45500 | .01000 | .01000 | -.22600 | -.21900 | 894.90000 |
| .598 | .040 | -.01000 | -.01000 | .02000 | -.68000 | .01000 | -.03000 | -.21800 | -.21900 | 894.90000 |
| .598 | 1.920 | -.01000 | -.01000 | .02000 | .05200 | .02000 | -.03000 | -.21500 | -.21500 | 894.90000 |
| .598 | 4.000 | -.01000 | -.01000 | .03000 | 2.07200 | .02000 | -.04000 | -.21600 | -.21300 | 894.90000 |
| .598 | 5.970 | -.02000 | .03000 | .06000 | 3.19100 | .08000 | -.03000 | -.21000 | -.21100 | 894.90000 |
| .597 | 8.000 | -.02000 | .03000 | .03000 | 4.04300 | .06000 | .01000 | -.20900 | -.20900 | 894.90000 |
| .598 | 10.010 | -.01000 | .03000 | .01000 | 4.41100 | .04000 | .02000 | -.21000 | -.21100 | 894.90000 |
| .597 | 10.990 | -.01000 | .02000 | .01000 | 4.44900 | .03000 | .01000 | -.21000 | -.21300 | 894.90000 |
| .598 | 12.020 | -.01000 | .01000 | .01000 | 4.38000 | .02000 | .00000 | -.21300 | -.21600 | 894.90000 |
| .596 | 12.980 | -.01000 | .02000 | .01000 | 4.20300 | .03000 | .00000 | -.21900 | -.22300 | 894.90000 |
| .597 | 13.960 | -.01000 | .02000 | .01000 | 3.89200 | .02000 | .01000 | -.22500 | -.23100 | 894.90000 |
| .596 | 14.970 | -.01000 | .02000 | .01000 | 3.59600 | .03000 | .01000 | -.23200 | -.23800 | 894.90000 |
| .597 | 15.990 | -.01000 | .01000 | .01000 | 3.32800 | .02000 | .01000 | -.23900 | -.24000 | 894.90000 |
| .596 | 17.980 | .00000 | .05000 | -.03000 | 2.91000 | .02000 | .08000 | -.26400 | -.26700 | 894.90000 |
| .597 | 19.980 | .02000 | .02000 | .00000 | 2.62500 | .02000 | .02000 | -.29200 | -.28700 | 894.90000 |
| | GRADIENT | .00151 | -.00302 | .00453 | .71876 | .00198 | -.00755 | .00165 | .00110 | .00000 |

ARC 200-1 11(LA77) OV101 (A28043) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 90/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .595 | -1.950 | -.02000 | -9.93000 | .02000 | -3.63800 | -9.91000 | -9.95000 | -.20800 | -.20000 | 877.10000 |
| .596 | -.030 | -.02000 | -9.94000 | .00000 | -2.90600 | -9.95000 | -9.94000 | -.21100 | -.20200 | 877.10000 |
| .597 | 2.010 | -.01000 | -9.95000 | .00000 | -1.89000 | -9.96000 | -9.95000 | -.19900 | -.19600 | 877.10000 |
| .597 | 3.980 | -.02000 | -9.99000 | .00000 | -.57000 | -9.99000 | -9.99000 | -.19900 | -.19100 | 877.10000 |
| .597 | 5.990 | -.02000 | -10.00000 | .01000 | .86800 | -10.00000 | -10.01000 | -.20100 | -.18900 | 877.10000 |
| .597 | 8.000 | -.01000 | -10.01000 | .01000 | 2.24800 | -10.00000 | -10.02000 | -.20500 | -.19100 | 877.10000 |
| .597 | 10.010 | -.01000 | -9.98000 | -.02000 | 3.25880 | -10.00000 | -9.97000 | -.20600 | -.19500 | 877.10000 |
| .596 | 10.990 | -.01000 | -9.98000 | -.02000 | 3.55100 | -10.00000 | -9.97000 | -.20800 | -.19700 | 877.10000 |
| .596 | 12.010 | -.01000 | -9.98000 | -.02000 | 3.73900 | -10.01000 | -9.96000 | -.20700 | -.20100 | 877.10000 |
| .597 | 12.970 | .00000 | -9.98000 | -.03000 | 3.80100 | -10.01000 | -9.95000 | -.21100 | -.20200 | 877.10000 |
| .597 | 14.020 | .00000 | -10.00000 | -.02000 | 3.64600 | -10.02000 | -9.98000 | -.21100 | -.21600 | 877.10000 |
| .597 | 14.990 | .00000 | -9.96000 | -.03000 | 3.43400 | -10.00000 | -9.93000 | -.21900 | -.22100 | 877.10000 |
| .597 | 16.020 | .00000 | -9.96000 | -.04000 | 3.23500 | -10.00000 | -9.93000 | -.22200 | -.22600 | 877.10000 |
| .596 | 18.010 | .01000 | -9.98000 | -.01000 | 2.87200 | -9.98000 | -9.97000 | -.23900 | -.24000 | 877.10000 |
| .597 | 20.000 | .03000 | -9.94000 | -.04000 | 2.58000 | -9.98000 | -9.90000 | -.26600 | -.26400 | 877.10000 |
| | GRADIENT | .00051 | -.00958 | -.00300 | .51568 | -.01258 | -.00658 | .00198 | .00167 | .00000 |

ARC 200-1 II(LA77) OV101 (A28044) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 91/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.930 | 4.10000 | -9.97000 | .01000 | -3.68900 | -9.96000 | -9.98000 | -.22500 | -.20900 | 881.90000 |
| .598 | -.040 | 4.12000 | -9.95000 | -.04000 | -3.09000 | -9.99000 | -9.91000 | -.22700 | -.20400 | 881.90000 |
| .598 | 2.040 | 4.12000 | -9.97000 | -.02000 | -1.85100 | -10.00000 | -9.95000 | -.22800 | -.21100 | 881.90000 |
| .598 | 4.000 | 4.12000 | -9.97000 | -.03000 | -.52900 | -10.01000 | -9.94000 | -.23200 | -.21000 | 881.90000 |
| .598 | 5.910 | 4.13000 | -9.96000 | -.01000 | .44300 | -9.97000 | -9.95000 | -.22900 | -.21200 | 881.90000 |
| .597 | 7.980 | 4.18000 | -9.97000 | .00000 | 2.22900 | -9.97000 | -9.97000 | -.23300 | -.20700 | 881.90000 |
| .597 | 10.010 | 4.19000 | -9.97000 | .00000 | 3.23700 | -9.97000 | -9.97000 | -.24200 | -.19900 | 881.90000 |
| .597 | 11.040 | 4.20000 | -9.97000 | -.01000 | 3.56100 | -9.98000 | -9.96000 | -.24500 | -.20800 | 881.90000 |
| .597 | 12.080 | 4.20000 | -9.97000 | -.01000 | 3.75400 | -9.98000 | -9.96000 | -.24000 | -.20900 | 881.90000 |
| .598 | 13.040 | 4.21000 | -9.97000 | -.01000 | 3.82100 | -9.98000 | -9.96000 | -.24200 | -.21300 | 881.90000 |
| .598 | 14.040 | 4.22000 | -9.98000 | -.01000 | 3.67900 | -9.98000 | -9.97000 | -.24700 | -.21600 | 881.90000 |
| .598 | 15.030 | 4.22000 | -9.98000 | .00000 | 3.42000 | -9.99000 | -9.98000 | -.24900 | -.22500 | 881.90000 |
| .598 | 16.060 | 4.23000 | -9.98000 | -.01000 | 3.21700 | -9.99000 | -9.97000 | -.24200 | -.22800 | 881.90000 |
| .597 | 18.020 | 4.24000 | -9.98000 | -.02000 | 2.89800 | -9.99000 | -9.96000 | -.26200 | -.24600 | 881.90000 |
| .598 | 20.000 | 4.26000 | -10.00000 | .01000 | 2.63800 | -9.99000 | -10.01000 | -.27800 | -.26300 | 881.90000 |
| | GRADIENT | .00299 | -.00107 | -.00492 | .54037 | -.00802 | .00385 | -.00111 | -.00052 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28045) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 92/ 0 RN/L = 7.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -6.070 | 10.05000 | .02000 | -.02000 | 4.55500 | -.01000 | .04000 | -.23500 | -.22700 | 883.50000 |
| .597 | -4.060 | 10.03000 | .01000 | -.02000 | 4.54000 | -.01000 | .04000 | -.21300 | -.21200 | 883.50000 |
| .598 | -3.040 | 10.02000 | .01000 | -.02000 | 4.48800 | -.01000 | .04000 | -.20900 | -.21400 | 883.50000 |
| .598 | -2.040 | 10.02000 | .01000 | -.02000 | 4.45300 | -.01000 | .04000 | -.20900 | -.21400 | 883.50000 |
| .597 | -1.010 | 10.00000 | .01000 | -.02000 | 4.43600 | -.01000 | .04000 | -.20700 | -.21100 | 883.50000 |
| .598 | -.020 | 9.99000 | .01000 | -.02000 | 4.41700 | -.01000 | .04000 | -.21100 | -.21300 | 883.50000 |
| .598 | .980 | 10.01000 | .01000 | -.02000 | 4.39800 | -.01000 | .03000 | -.21100 | -.21200 | 883.50000 |
| .598 | 2.040 | 10.06000 | .01000 | -.02000 | 4.39600 | -.01000 | .03000 | -.22200 | -.21600 | 883.50000 |
| .598 | 3.080 | 10.05000 | .01000 | -.02000 | 4.37300 | -.01000 | .03000 | -.23300 | -.22500 | 883.50000 |
| .598 | 4.110 | 10.04000 | .01000 | -.02000 | 4.37600 | -.01000 | .03000 | -.23500 | -.22200 | 883.50000 |
| .598 | 6.180 | 10.05000 | .01000 | -.03000 | 4.38100 | -.01000 | .04000 | -.24900 | -.24000 | 883.50000 |
| .598 | 8.250 | 10.05000 | .01000 | -.02000 | 4.44300 | -.01000 | .04000 | -.25900 | -.25000 | 883.50000 |
| | GRADIENT | .00363 | .00000 | -.00000 | -.01881 | -.00000 | -.00163 | -.00312 | -.00128 | .00000 |

ARC 200-1 !!(LA77) OV101 + TO - BETA (A2B046) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 93/ 0 RN/L = 7.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -6.070 | 10.05000 | .02000 | -.01000 | 4.54300 | .02000 | .03000 | -.24100 | -.22800 | 883.70000 |
| .598 | -4.050 | 10.03000 | .02000 | -.01000 | 4.52700 | .01000 | .03000 | -.21700 | -.21300 | 883.70000 |
| .598 | -3.020 | 10.02000 | .02000 | -.01000 | 4.48400 | .01000 | .03000 | -.21000 | -.21200 | 883.70000 |
| .598 | -2.020 | 10.01000 | .02000 | -.01000 | 4.45400 | .01000 | .03000 | -.21200 | -.21100 | 883.70000 |
| .598 | -1.010 | 10.00000 | .02000 | -.01000 | 4.43400 | .01000 | .04000 | -.20800 | -.21200 | 883.70000 |
| .598 | -.020 | 10.04000 | .00000 | -.01000 | 4.41100 | -.01000 | .01000 | -.21200 | -.20800 | 883.70000 |
| .598 | 1.010 | 10.04000 | .03000 | -.03000 | 4.39500 | .00000 | .06000 | -.21600 | -.21400 | 883.70000 |
| .598 | 2.100 | 10.08000 | .02000 | -.02000 | 4.38800 | .00000 | .04000 | -.22500 | -.22000 | 883.70000 |
| .598 | 3.130 | 10.07000 | .02000 | -.02000 | 4.37900 | .00000 | .04000 | -.22800 | -.22500 | 883.70000 |
| .598 | 4.170 | 10.05000 | .02000 | -.02000 | 4.38600 | .00000 | .04000 | -.23800 | -.22300 | 883.70000 |
| .598 | 6.240 | 10.03000 | .02000 | -.02000 | 4.36300 | .00000 | .04000 | -.24300 | -.23800 | 883.70000 |
| .598 | 8.250 | 10.05000 | .02000 | -.03000 | 4.44200 | -.01000 | .05000 | -.26200 | -.25100 | 883.70000 |
| | GRADIENT | .00668 | .00017 | -.00178 | -.01699 | -.00161 | .00179 | -.00281 | -.00162 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B047) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 84/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.960 | -.03000 | .09000 | -.05000 | -1.65800 | .04000 | .13000 | -.25300 | -.24400 | 1429.00000 |
| .899 | -.030 | -.02000 | .04000 | -.02000 | -.48700 | .02000 | .05000 | -.24100 | -.23800 | 1429.00000 |
| .900 | 2.000 | -.02000 | .03000 | -.01000 | .82500 | .02000 | .04000 | -.23800 | -.23800 | 1429.00000 |
| .899 | 3.000 | -.02000 | .01000 | -.02000 | 1.41300 | -.01000 | .02000 | -.23900 | -.23500 | 1429.00000 |
| .902 | 3.960 | -.02000 | .05000 | -.06000 | 1.85400 | .00000 | .11000 | -.23400 | -.22900 | 1429.00000 |
| .899 | 4.970 | -.02000 | .01000 | -.06000 | 2.23400 | -.05000 | .07000 | -.23800 | -.23600 | 1429.00000 |
| .901 | 5.900 | -.02000 | .05000 | -.08000 | 2.45000 | -.03000 | .13000 | -.23500 | -.23400 | 1429.00000 |
| .899 | 6.980 | -.03000 | .02000 | -.04000 | 2.68300 | -.03000 | .06000 | -.22900 | -.22900 | 1429.00000 |
| .899 | 7.980 | -.03000 | -.01000 | -.02000 | 2.81100 | -.03000 | .00000 | -.23300 | -.23000 | 1429.00000 |
| .899 | 8.950 | .00000 | -.03000 | -.01000 | 2.89100 | -.04000 | -.01000 | -.22900 | -.22900 | 1429.00000 |
| .901 | 9.990 | -.01000 | .02000 | -.10000 | 2.91300 | -.07000 | .12000 | -.24200 | -.23600 | 1429.00000 |
| .898 | 11.970 | -.01000 | .05000 | -.04000 | 2.84800 | .00000 | .09000 | -.24800 | -.24900 | 1429.00000 |
| .899 | 13.950 | .00000 | .06000 | .00000 | 2.66000 | .06000 | .07000 | -.27000 | -.27200 | 1429.00000 |
| .898 | 15.990 | .00000 | .04000 | .00000 | 2.49900 | .04000 | .04000 | -.31100 | -.30100 | 1429.00000 |
| .898 | 18.020 | .01000 | .04000 | -.03000 | 2.32700 | .02000 | .07000 | -.34100 | -.32000 | 1429.00000 |
| .900 | 19.950 | .03000 | .04000 | -.03000 | 2.16000 | .01000 | .07000 | -.36900 | -.36600 | 1429.00000 |
| | GRADIENT | .00118 | -.00889 | -.00237 | .57607 | -.01068 | -.00504 | .00216 | .00151 | .00000 |

RUN NO. 69/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.020 | -.03000 | .01000 | -.04000 | -1.47200 | -.03000 | .05000 | -.28000 | -.27500 | 1476.00000 |
| .947 | -.010 | -.04000 | .00000 | -.03000 | -.41500 | -.03000 | .03000 | -.27200 | -.27800 | 1476.00000 |
| .949 | 1.980 | -.03000 | .03000 | -.02000 | .67700 | .00000 | .05000 | -.26500 | -.27400 | 1476.00000 |
| .948 | 2.960 | -.03000 | .01000 | -.01000 | 1.19100 | .00000 | .02000 | -.26200 | -.27700 | 1476.00000 |
| .946 | 3.980 | -.03000 | .01000 | -.01000 | 1.68500 | .01000 | .02000 | -.27000 | -.27000 | 1476.00000 |
| .948 | 4.970 | -.03000 | .02000 | .00000 | 2.05300 | .02000 | .02000 | -.26700 | -.27200 | 1476.00000 |
| .946 | 5.970 | -.04000 | .01000 | .01000 | 2.35500 | .02000 | .01000 | -.26700 | -.26500 | 1476.00000 |
| .948 | 6.950 | -.04000 | .00000 | .00000 | 2.53900 | .00000 | .00000 | -.26500 | -.26800 | 1476.00000 |
| .948 | 7.970 | -.04000 | .00000 | -.05000 | 2.69100 | -.05000 | .05000 | -.27000 | -.27000 | 1476.00000 |
| .947 | 8.990 | -.01000 | .03000 | -.03000 | 2.75600 | -.01000 | .06000 | -.26300 | -.26700 | 1476.00000 |
| .949 | 9.970 | -.03000 | .00000 | -.02000 | 2.78900 | -.02000 | .03000 | -.26200 | -.27300 | 1476.00000 |
| .947 | 12.020 | -.05000 | .02000 | -.02000 | 2.72800 | .00000 | .04000 | -.28200 | -.29700 | 1476.00000 |
| .946 | 13.960 | -.05000 | -.01000 | -.02000 | 2.57500 | -.03000 | .02000 | -.30100 | -.33300 | 1476.00000 |
| .948 | 15.980 | -.06000 | -.01000 | -.01000 | 2.40800 | -.02000 | .00000 | -.34100 | -.35500 | 1476.00000 |
| .949 | 17.940 | -.07000 | -.03000 | -.01000 | 2.26500 | -.04000 | -.02000 | -.37600 | -.39900 | 1476.00000 |
| .947 | 19.940 | .00000 | .03000 | .01000 | 2.10600 | .04000 | .02000 | -.44900 | -.41900 | 1476.00000 |
| | GRADIENT | .00059 | .00147 | .00560 | .51393 | .00766 | -.00412 | .00180 | .00068 | .00000 |

ARC 200-1 11(LA77) OV101 (A28047) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 63/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.930 | -.06000 | .01000 | -.03000 | -1.10800 | -.02000 | .04000 | -.38200 | -.38500 | 1582.00000 |
| 1.046 | .010 | -.05000 | .01000 | -.02000 | -.31300 | -.01000 | .04000 | -.37400 | -.38200 | 1582.00000 |
| 1.046 | 2.020 | -.04000 | -.02000 | .02000 | .55000 | -.01000 | -.04000 | -.37300 | -.38400 | 1582.00000 |
| 1.047 | 3.000 | -.04000 | -.03000 | -.04000 | .92700 | -.07000 | .01000 | -.37100 | -.38200 | 1582.00000 |
| 1.047 | 4.030 | -.04000 | -.05000 | -.03000 | 1.27000 | -.09000 | -.02000 | -.37400 | -.38500 | 1582.00000 |
| 1.045 | 5.020 | -.04000 | .02000 | -.01000 | 1.56100 | .01000 | .03000 | -.38200 | -.39100 | 1582.00000 |
| 1.047 | 6.030 | -.04000 | -.03000 | -.07000 | 1.79000 | -.11000 | .04000 | -.38100 | -.39200 | 1582.00000 |
| 1.047 | 7.000 | -.04000 | .01000 | -.01000 | 1.96700 | .00000 | .02000 | -.38700 | -.39500 | 1582.00000 |
| 1.045 | 7.960 | -.05000 | .01000 | -.03000 | 2.09700 | -.02000 | .04000 | -.39300 | -.40400 | 1582.00000 |
| 1.044 | 8.970 | -.02000 | .03000 | -.02000 | 2.19800 | .01000 | .05000 | -.39900 | -.40800 | 1582.00000 |
| 1.047 | 9.980 | -.03000 | .03000 | -.04000 | 2.26800 | .00000 | .07000 | -.39800 | -.40900 | 1582.00000 |
| 1.047 | 11.930 | -.03000 | .02000 | -.02000 | 2.30700 | .00000 | .04000 | -.40600 | -.42600 | 1582.00000 |
| 1.046 | 13.930 | -.03000 | .05000 | -.03000 | 2.24700 | .02000 | .08000 | -.42800 | -.44500 | 1582.00000 |
| 1.044 | 15.920 | -.02000 | .02000 | -.01000 | 2.15300 | .01000 | .03000 | -.45900 | -.47100 | 1582.00000 |
| 1.045 | 17.890 | -.02000 | .04000 | -.05000 | 2.07400 | -.01000 | .09000 | -.49000 | -.49400 | 1582.00000 |
| 1.046 | 20.050 | .00000 | .01000 | -.02000 | 1.96700 | -.01000 | .03000 | -.52300 | -.50800 | 1582.00000 |
| | GRADIENT | .00355 | -.01036 | -.00001 | .40450 | -.01177 | -.01097 | .00141 | .00005 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B048) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 85/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.990 | -.04000 | -9.92000 | .00000 | -2.84300 | -9.93000 | -9.92000 | -.23300 | -.23600 | 1430.00000 |
| .900 | .030 | -.03000 | -9.94000 | .00000 | -2.04000 | -9.94000 | -9.95000 | -.22600 | -.22700 | 1430.00000 |
| .900 | 1.980 | -.02000 | -9.96000 | .02000 | -1.05900 | -9.94000 | -9.97000 | -.22500 | -.23000 | 1430.00000 |
| .898 | 3.020 | -.02000 | -9.96000 | .01000 | -.33400 | -9.95000 | -9.97000 | -.22200 | -.22400 | 1430.00000 |
| .901 | 3.990 | -.02000 | -10.01000 | .03000 | .29400 | -9.98000 | -10.04000 | -.21600 | -.21300 | 1430.00000 |
| .900 | 5.030 | -.02000 | -10.10000 | .09000 | .95300 | -10.01000 | -10.18000 | -.21800 | -.21500 | 1430.00000 |
| .901 | 5.970 | -.03000 | -10.24000 | -.05000 | 1.45300 | -10.30000 | -10.19000 | -.22100 | -.21800 | 1430.00000 |
| .899 | 7.060 | -.03000 | -10.10000 | .09000 | 1.91100 | -10.01000 | -10.19000 | -.22700 | -.21700 | 1430.00000 |
| .899 | 8.020 | -.03000 | -10.10000 | -.11000 | 2.11900 | -10.21000 | -9.99000 | -.21500 | -.21700 | 1430.00000 |
| .900 | 9.020 | .00000 | -10.14000 | -.07000 | 2.26200 | -10.22000 | -10.07000 | -.22100 | -.21000 | 1430.00000 |
| .900 | 10.040 | -.01000 | -10.00000 | .11000 | 2.36400 | -9.89000 | -10.11000 | -.21800 | -.21800 | 1430.00000 |
| .901 | 12.030 | -.01000 | -10.04000 | .12000 | 2.43500 | -9.92000 | -10.16000 | -.23000 | -.22500 | 1430.00000 |
| .900 | 13.970 | .00000 | -10.06000 | .11000 | 2.36900 | -9.95000 | -10.17000 | -.24400 | -.24100 | 1430.00000 |
| .900 | 15.930 | .01000 | -10.11000 | .09000 | 2.25900 | -10.02000 | -10.20000 | -.27400 | -.26800 | 1430.00000 |
| .899 | 18.060 | .01000 | -10.07000 | .05000 | 2.15900 | -10.01000 | -10.12000 | -.30800 | -.29700 | 1430.00000 |
| .899 | 20.010 | .03000 | -9.99000 | .09000 | 2.03300 | -9.90000 | -10.09000 | -.34200 | -.33100 | 1430.00000 |
| | GRADIENT | .00355 | -.01270 | .00456 | .52412 | -.00666 | -.01642 | .00246 | .00303 | .00000 |

RUN NO. 70/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.000 | -.03000 | -9.95000 | .04000 | -2.58900 | -9.92000 | -9.99000 | -.26000 | -.25700 | 1476.00000 |
| .947 | -.010 | -.03000 | -10.02000 | .09000 | -1.87200 | -9.93000 | -10.12000 | -.24900 | -.24600 | 1476.00000 |
| .948 | 1.990 | -.03000 | -9.99000 | .05000 | -.83800 | -9.94000 | -10.04000 | -.24800 | -.25000 | 1476.00000 |
| .948 | 2.990 | -.02000 | -9.92000 | .02000 | -.22500 | -9.90000 | -9.95000 | -.24200 | -.24300 | 1476.00000 |
| .947 | 4.020 | -.03000 | -9.91000 | -.01000 | .35200 | -9.92000 | -9.90000 | -.24100 | -.23900 | 1476.00000 |
| .945 | 5.010 | -.03000 | -9.95000 | .02000 | .88600 | -9.93000 | -9.97000 | -.23900 | -.24400 | 1476.00000 |
| .950 | 6.030 | -.04000 | -9.92000 | .00000 | 1.31600 | -9.92000 | -9.92000 | -.24100 | -.23900 | 1476.00000 |
| .948 | 6.980 | -.04000 | -9.93000 | -.01000 | 1.64300 | -9.93000 | -9.92000 | -.23200 | -.23500 | 1476.00000 |
| .949 | 7.940 | -.05000 | -9.94000 | -.01000 | 1.89700 | -9.95000 | -9.94000 | -.23600 | -.24300 | 1476.00000 |
| .948 | 8.960 | -.02000 | -9.96000 | .00000 | 2.10600 | -9.96000 | -9.96000 | -.24000 | -.23600 | 1476.00000 |
| .947 | 9.940 | -.03000 | -9.97000 | .01000 | 2.25900 | -9.96000 | -9.98000 | -.25300 | -.24600 | 1476.00000 |
| .948 | 12.000 | -.05000 | -9.98000 | -.03000 | 2.40200 | -10.01000 | -9.96000 | -.27000 | -.26100 | 1476.00000 |
| .947 | 13.950 | -.05000 | -9.99000 | -.02000 | 2.36300 | -10.01000 | -9.97000 | -.28600 | -.29100 | 1476.00000 |
| .950 | 15.990 | -.06000 | -9.97000 | -.03000 | 2.27600 | -10.00000 | -9.93000 | -.31300 | -.32800 | 1476.00000 |
| .950 | 17.940 | -.07000 | -10.01000 | .00000 | 2.18100 | -10.02000 | -10.01000 | -.34100 | -.36900 | 1476.00000 |
| .948 | 19.960 | .00000 | -9.95000 | -.04000 | 2.04600 | -9.99000 | -9.92000 | -.41100 | -.40400 | 1476.00000 |
| | GRADIENT | .00068 | .00977 | -.00977 | .49388 | .00146 | .01946 | .00301 | .00250 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B048) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 64/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.050 | -.05000 | -10.03000 | -.11000 | -1.83100 | -10.14000 | -9.91000 | -.39700 | -.35000 | 1575.00000 |
| 1.045 | -.100 | -.04000 | -9.84000 | -.04000 | -1.18500 | -9.88000 | -9.80000 | -.38000 | -.35200 | 1575.00000 |
| 1.047 | 1.920 | -.03000 | -9.94000 | -.07000 | -.34600 | -10.01000 | -9.87000 | -.37400 | -.35200 | 1575.00000 |
| 1.047 | 2.900 | -.03000 | -9.86000 | .04000 | .05600 | -9.82000 | -9.90000 | -.37700 | -.35500 | 1575.00000 |
| 1.049 | 3.940 | -.03000 | -9.87000 | .06000 | .47500 | -9.81000 | -9.92000 | -.37700 | -.35800 | 1575.00000 |
| 1.046 | 4.940 | -.04000 | -9.92000 | -.01000 | .80700 | -9.93000 | -9.91000 | -.38400 | -.36300 | 1575.00000 |
| 1.046 | 5.940 | -.04000 | -9.93000 | -.01000 | 1.09200 | -9.94000 | -9.92000 | -.38800 | -.37100 | 1575.00000 |
| 1.047 | 6.920 | -.04000 | -10.03000 | -.11000 | 1.34600 | -10.14000 | -9.92000 | -.39400 | -.37600 | 1575.00000 |
| 1.047 | 7.870 | -.05000 | -10.01000 | -.14000 | 1.54800 | -10.15000 | -9.86000 | -.40200 | -.38400 | 1575.00000 |
| 1.045 | 8.900 | -.02000 | -9.87000 | .01000 | 1.73000 | -9.86000 | -9.88000 | -.41400 | -.39800 | 1575.00000 |
| 1.048 | 9.900 | -.02000 | -9.86000 | .00000 | 1.86600 | -9.86000 | -9.86000 | -.41400 | -.40200 | 1575.00000 |
| 1.046 | 11.860 | -.03000 | -9.88000 | -.03000 | 2.00800 | -9.91000 | -9.85000 | -.43000 | -.42100 | 1575.00000 |
| 1.047 | 13.850 | -.02000 | -9.88000 | -.03000 | 2.05500 | -9.90000 | -9.85000 | -.43000 | -.43600 | 1575.00000 |
| 1.044 | 15.850 | -.02000 | -9.88000 | -.03000 | 2.02800 | -9.90000 | -9.85000 | -.45300 | -.45800 | 1575.00000 |
| 1.044 | 17.830 | -.02000 | -9.88000 | -.03000 | 1.98700 | -9.90000 | -9.85000 | -.48800 | -.48400 | 1575.00000 |
| 1.046 | 19.990 | .00000 | -9.87000 | -.03000 | 1.92700 | -9.89000 | -9.84000 | -.49600 | -.48000 | 1575.00000 |
| | GRADIENT | .00205 | .01278 | .01907 | .38599 | .03185 | -.00686 | .00190 | -.00165 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B049) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 71/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -1.940 | -.03000 | -10.09000 | 5.02000 | -2.40900 | -5.07000 | -15.11000 | -.27400 | -.26700 | 1474.00000 |
| .947 | .020 | -.03000 | -10.10000 | 5.03000 | -1.70400 | -5.07000 | -15.14000 | -.27300 | -.25800 | 1474.00000 |
| .947 | 2.020 | -.02000 | -10.09000 | 5.03000 | -.75800 | -5.06000 | -15.12000 | -.26300 | -.26300 | 1474.00000 |
| .946 | 3.010 | -.02000 | -10.09000 | 5.02000 | -.19800 | -5.07000 | -15.11000 | -.25300 | -.25600 | 1474.00000 |
| .945 | 4.040 | -.02000 | -10.12000 | 5.04000 | .35800 | -5.08000 | -15.16000 | -.25800 | -.25500 | 1474.00000 |
| .946 | 5.040 | -.02000 | -10.02000 | 4.99000 | .89500 | -5.03000 | -15.01000 | -.24600 | -.24600 | 1474.00000 |
| .946 | 6.050 | -.03000 | -10.07000 | 5.02000 | 1.32300 | -5.05000 | -15.09000 | -.25000 | -.24000 | 1474.00000 |
| .947 | 6.960 | -.03000 | -10.07000 | 5.03000 | 1.61700 | -5.04000 | -15.10000 | -.25100 | -.24200 | 1474.00000 |
| .948 | 7.920 | -.04000 | -10.10000 | 5.01000 | 1.88800 | -5.09000 | -15.11000 | -.26100 | -.25300 | 1474.00000 |
| .947 | 8.950 | .00000 | -10.13000 | 4.98000 | 2.11000 | -5.15000 | -15.10000 | -.26400 | -.26000 | 1474.00000 |
| .948 | 9.940 | -.03000 | -10.15000 | 4.95000 | 2.24000 | -5.19000 | -15.10000 | -.25700 | -.25600 | 1474.00000 |
| .947 | 11.990 | -.05000 | -10.15000 | 4.95000 | 2.37800 | -5.21000 | -15.10000 | -.26800 | -.26900 | 1474.00000 |
| .948 | 13.950 | -.06000 | -10.10000 | 5.00000 | 2.34400 | -5.09000 | -15.10000 | -.29800 | -.30000 | 1474.00000 |
| .950 | 16.000 | -.07000 | -10.09000 | 5.00000 | 2.25600 | -5.08000 | -15.09000 | -.32900 | -.30300 | 1474.00000 |
| .949 | 17.960 | -.08000 | -10.09000 | 5.01000 | 2.15700 | -5.09000 | -15.10000 | -.37500 | -.35800 | 1474.00000 |
| .948 | 19.980 | -.01000 | -10.09000 | 5.00000 | 2.03200 | -5.09000 | -15.09000 | -.39100 | -.38200 | 1474.00000 |
| | GRADIENT | .00208 | -.00279 | .00191 | .46498 | -.00088 | -.00409 | .00348 | .00167 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B050) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 86/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -1.970 | 4.16000 | -9.99000 | .01000 | -2.85000 | -9.98000 | -10.00000 | -.25200 | -.23800 | 1432.00000 |
| .900 | .040 | 4.18000 | -9.99000 | -.01000 | -2.05300 | -10.00000 | -9.98000 | -.25600 | -.24100 | 1432.00000 |
| .900 | 2.010 | 4.19000 | -10.00000 | -.01000 | -1.02900 | -10.01000 | -9.99000 | -.24600 | -.23900 | 1432.00000 |
| .900 | 3.030 | 4.19000 | -10.01000 | -.01000 | -.35700 | -10.02000 | -10.00000 | -.24900 | -.23500 | 1432.00000 |
| .899 | 3.990 | 4.19000 | -10.04000 | .02000 | .26300 | -10.02000 | -10.05000 | -.24700 | -.23200 | 1432.00000 |
| .898 | 5.030 | 4.20000 | -10.04000 | -.02000 | .93700 | -10.06000 | -10.03000 | -.25200 | -.23600 | 1432.00000 |
| .898 | 5.970 | 4.21000 | -10.05000 | .00000 | 1.42100 | -10.05000 | -10.05000 | -.24500 | -.23400 | 1432.00000 |
| .899 | 7.050 | 4.22000 | -10.06000 | .02000 | 1.79400 | -10.05000 | -10.08000 | -.24500 | -.22800 | 1432.00000 |
| .900 | 8.000 | 4.26000 | -10.00000 | -.04000 | 2.05800 | -10.04000 | -9.97000 | -.24200 | -.23300 | 1432.00000 |
| .898 | 9.060 | 4.26000 | -10.03000 | -.01000 | 2.28100 | -10.04000 | -10.03000 | -.24800 | -.22700 | 1432.00000 |
| .899 | 10.060 | 4.27000 | -10.04000 | .01000 | 2.37700 | -10.03000 | -10.05000 | -.24400 | -.23100 | 1432.00000 |
| .900 | 12.090 | 4.31000 | -10.03000 | .00000 | 2.44300 | -10.04000 | -10.03000 | -.25400 | -.24200 | 1432.00000 |
| .899 | 14.040 | 4.34000 | -10.02000 | -.02000 | 2.38000 | -10.04000 | -10.00000 | -.26600 | -.25800 | 1432.00000 |
| .899 | 16.090 | 4.37000 | -10.02000 | -.02000 | 2.29700 | -10.04000 | -10.00000 | -.28200 | -.26500 | 1432.00000 |
| .900 | 18.070 | 4.41000 | -10.02000 | -.02000 | 2.18000 | -10.04000 | -10.00000 | -.30100 | -.28400 | 1432.00000 |
| .900 | 20.050 | 4.43000 | -10.03000 | -.01000 | 2.05200 | -10.04000 | -10.02000 | -.34200 | -.32800 | 1432.00000 |
| | GRADIENT | .00503 | -.00726 | .00041 | .52257 | -.00686 | -.00655 | .00117 | .00104 | .00000 |

RUN NO. 72/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.990 | 4.20000 | -9.71000 | -.26000 | -2.59300 | -9.96000 | -9.45000 | -.29200 | -.27900 | 1478.00000 |
| .948 | .020 | 4.20000 | -10.05000 | .08000 | -1.83400 | -9.98000 | -10.13000 | -.28400 | -.27300 | 1478.00000 |
| .947 | 2.020 | 4.20000 | -10.03000 | .04000 | -.84900 | -9.99000 | -10.08000 | -.28200 | -.26500 | 1478.00000 |
| .947 | 3.010 | 4.20000 | -9.97000 | -.02000 | -.26700 | -9.99000 | -9.96000 | -.28200 | -.26800 | 1478.00000 |
| .948 | 4.040 | 4.20000 | -9.97000 | -.02000 | .32500 | -9.99000 | -9.94000 | -.28100 | -.26500 | 1478.00000 |
| .947 | 5.030 | 4.20000 | -9.95000 | -.04000 | .83700 | -9.99000 | -9.91000 | -.26900 | -.25400 | 1478.00000 |
| .949 | 6.010 | 4.21000 | -9.97000 | -.02000 | 1.26800 | -9.99000 | -9.96000 | -.28600 | -.27000 | 1478.00000 |
| .949 | 6.980 | 4.21000 | -9.96000 | -.03000 | 1.60700 | -9.99000 | -9.94000 | -.28700 | -.25800 | 1478.00000 |
| .949 | 7.980 | 4.23000 | -9.95000 | -.04000 | 1.88300 | -9.99000 | -9.91000 | -.29100 | -.25500 | 1478.00000 |
| .947 | 9.010 | 4.25000 | -9.96000 | -.02000 | 2.11100 | -9.99000 | -9.94000 | -.27500 | -.25600 | 1478.00000 |
| .950 | 9.970 | 4.24000 | -9.97000 | -.01000 | 2.25800 | -9.99000 | -9.96000 | -.29600 | -.26500 | 1478.00000 |
| .948 | 12.010 | 4.27000 | -9.98000 | -.03000 | 2.39400 | -10.01000 | -9.95000 | -.30000 | -.26900 | 1478.00000 |
| .950 | 14.020 | 4.29000 | -9.98000 | -.03000 | 2.37500 | -10.01000 | -9.95000 | -.32900 | -.30200 | 1478.00000 |
| .949 | 16.030 | 4.30000 | -9.97000 | -.03000 | 2.27800 | -10.00000 | -9.94000 | -.35000 | -.31800 | 1478.00000 |
| .948 | 18.010 | 4.30000 | -9.95000 | -.04000 | 2.18100 | -9.99000 | -9.90000 | -.36700 | -.35600 | 1478.00000 |
| .946 | 19.980 | 4.36000 | -9.92000 | .00000 | 2.05000 | -9.92000 | -9.93000 | -.40100 | -.38000 | 1478.00000 |
| | GRADIENT | .00000 | -.03473 | .03061 | .49530 | -.00498 | -.06515 | .00169 | .00232 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28050) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 65/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.044 | -2.050 | 4.20000 | -9.88000 | -.05000 | -1.78200 | -9.93000 | -9.84000 | -.46500 | -.39100 | 1574.00000 |
| 1.046 | -.100 | 4.23000 | -9.98000 | -.03000 | -1.17100 | -10.01000 | -9.95000 | -.44700 | -.38800 | 1574.00000 |
| 1.047 | 1.930 | 4.23000 | -10.00000 | -.02000 | -.36100 | -10.02000 | -9.98000 | -.43900 | -.39100 | 1574.00000 |
| 1.047 | 2.910 | 4.23000 | -9.99000 | -.03000 | .02700 | -10.02000 | -9.95000 | -.43700 | -.39400 | 1574.00000 |
| 1.045 | 3.940 | 4.24000 | -10.01000 | -.01000 | .40500 | -10.03000 | -10.00000 | -.43800 | -.39900 | 1574.00000 |
| 1.047 | 4.940 | 4.24000 | -10.02000 | -.01000 | .75500 | -10.02000 | -10.01000 | -.43600 | -.39900 | 1574.00000 |
| 1.045 | 5.960 | 4.24000 | -10.01000 | -.01000 | 1.03900 | -10.02000 | -10.00000 | -.44900 | -.40800 | 1574.00000 |
| 1.045 | 6.940 | 4.24000 | -10.01000 | -.02000 | 1.28200 | -10.03000 | -9.99000 | -.45600 | -.41300 | 1574.00000 |
| 1.045 | 7.910 | 4.26000 | -10.01000 | -.02000 | 1.48200 | -10.02000 | -9.99000 | -.46200 | -.42100 | 1574.00000 |
| 1.048 | 8.960 | 4.29000 | -10.02000 | -.01000 | 1.67100 | -10.03000 | -10.01000 | -.46500 | -.42500 | 1574.00000 |
| 1.046 | 9.940 | 4.28000 | -10.00000 | -.02000 | 1.79400 | -10.02000 | -9.99000 | -.47000 | -.43300 | 1574.00000 |
| 1.046 | 11.920 | 4.32000 | -10.01000 | -.01000 | 1.95700 | -10.02000 | -10.00000 | -.46800 | -.44800 | 1574.00000 |
| 1.048 | 13.940 | 4.35000 | -10.01000 | -.01000 | 2.02300 | -10.02000 | -9.99000 | -.47100 | -.45200 | 1574.00000 |
| 1.046 | 16.050 | 4.37000 | -10.00000 | -.02000 | 2.02600 | -10.02000 | -9.98000 | -.47000 | -.45200 | 1574.00000 |
| 1.045 | 17.990 | 4.39000 | -10.00000 | -.01000 | 1.98700 | -10.02000 | -9.99000 | -.48000 | -.46000 | 1574.00000 |
| 1.045 | 20.000 | 4.42000 | -10.00000 | -.01000 | 1.91700 | -10.01000 | -9.99000 | -.49800 | -.47600 | 1574.00000 |
| | GRADIENT | .00498 | -.01730 | .00529 | .36973 | -.01171 | -.02113 | .00390 | -.00145 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B051) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 73/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.950 | 4.16000 | .13000 | -.08000 | -1.49100 | .06000 | .21000 | -.31700 | -.30200 | 1478.00000 |
| .948 | -.010 | 4.18000 | .08000 | -.07000 | -.49200 | .02000 | .15000 | -.30600 | -.30000 | 1478.00000 |
| .947 | 1.980 | 4.18000 | .01000 | .02000 | .58800 | .02000 | -.01000 | -.30400 | -.29500 | 1478.00000 |
| .949 | 2.990 | 4.18000 | .04000 | .03000 | 1.10300 | .08000 | .01000 | -.31100 | -.29100 | 1478.00000 |
| .947 | 3.970 | 4.18000 | .03000 | -.02000 | 1.56700 | .01000 | .05000 | -.31200 | -.29300 | 1478.00000 |
| .948 | 4.970 | 4.19000 | .04000 | -.04000 | 1.91800 | .00000 | .08000 | -.29600 | -.28200 | 1478.00000 |
| .946 | 5.970 | 4.19000 | .03000 | -.03000 | 2.23400 | .00000 | .06000 | -.30300 | -.29600 | 1478.00000 |
| .949 | 6.950 | 4.20000 | .03000 | -.03000 | 2.43100 | .01000 | .06000 | -.29800 | -.28200 | 1478.00000 |
| .948 | 7.970 | 4.22000 | .02000 | -.02000 | 2.59100 | .00000 | .04000 | -.29900 | -.28400 | 1478.00000 |
| .948 | 9.000 | 4.23000 | .02000 | -.02000 | 2.69500 | -.01000 | .04000 | -.29500 | -.28200 | 1478.00000 |
| .947 | 9.970 | 4.23000 | .02000 | -.03000 | 2.75900 | -.02000 | .05000 | -.30500 | -.29400 | 1478.00000 |
| .949 | 12.010 | 4.27000 | .02000 | -.04000 | 2.69300 | -.02000 | .06000 | -.31400 | -.30600 | 1478.00000 |
| .949 | 14.020 | 4.28000 | .02000 | -.03000 | 2.55700 | -.01000 | .04000 | -.35000 | -.33500 | 1478.00000 |
| .949 | 16.050 | 4.29000 | .02000 | -.04000 | 2.39700 | -.02000 | .06000 | -.37800 | -.35600 | 1478.00000 |
| .949 | 18.000 | 4.30000 | -.01000 | -.02000 | 2.26100 | -.04000 | .01000 | -.39800 | -.38100 | 1478.00000 |
| .948 | 19.980 | 4.33000 | .04000 | -.05000 | 2.12500 | -.01000 | .09000 | -.43100 | -.42500 | 1478.00000 |
| | GRADIENT | .00326 | -.01363 | .00980 | .50319 | -.00531 | -.02343 | .00169 | .00253 | -.00000 |

RUN NO. 66/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.990 | 4.22000 | -.05000 | .04000 | -1.11000 | -.01000 | -.09000 | -.42200 | -.41100 | 1575.00000 |
| 1.046 | .000 | 4.22000 | -.06000 | .06000 | -.33700 | -.01000 | -.12000 | -.41500 | -.40900 | 1575.00000 |
| 1.045 | 2.020 | 4.22000 | .11000 | .07000 | .51100 | .18000 | .04000 | -.41700 | -.41100 | 1575.00000 |
| 1.046 | 3.000 | 4.22000 | .03000 | -.03000 | .87300 | .00000 | .05000 | -.41800 | -.41000 | 1575.00000 |
| 1.047 | 4.030 | 4.23000 | .01000 | -.03000 | 1.21800 | -.02000 | .04000 | -.41800 | -.41300 | 1575.00000 |
| 1.045 | 5.030 | 4.23000 | .01000 | -.04000 | 1.50400 | -.03000 | .06000 | -.42300 | -.41600 | 1575.00000 |
| 1.045 | 6.040 | 4.24000 | .02000 | -.04000 | 1.72800 | -.03000 | .06000 | -.42900 | -.42300 | 1575.00000 |
| 1.048 | 7.020 | 4.24000 | .01000 | -.03000 | 1.89800 | -.02000 | .04000 | -.43000 | -.42500 | 1575.00000 |
| 1.045 | 8.000 | 4.26000 | .02000 | -.03000 | 2.02700 | -.01000 | .05000 | -.44000 | -.43500 | 1575.00000 |
| 1.046 | 9.040 | 4.28000 | .02000 | -.03000 | 2.13100 | -.01000 | .05000 | -.44300 | -.43800 | 1575.00000 |
| 1.045 | 10.010 | 4.27000 | .03000 | -.04000 | 2.19300 | -.02000 | .07000 | -.45000 | -.44600 | 1575.00000 |
| 1.047 | 12.000 | 4.32000 | .00000 | -.04000 | 2.24700 | -.03000 | .04000 | -.45200 | -.45100 | 1575.00000 |
| 1.044 | 13.990 | 4.35000 | .01000 | -.03000 | 2.22600 | -.02000 | .05000 | -.46000 | -.46200 | 1575.00000 |
| 1.046 | 16.030 | 4.36000 | .01000 | -.04000 | 2.17000 | -.03000 | .04000 | -.46300 | -.46700 | 1575.00000 |
| 1.046 | 18.030 | 4.39000 | .00000 | -.03000 | 2.08200 | -.03000 | .04000 | -.48700 | -.47800 | 1575.00000 |
| 1.046 | 20.040 | 4.41000 | .00000 | -.02000 | 1.97000 | -.02000 | .03000 | -.51400 | -.50100 | 1575.00000 |
| | GRADIENT | .00112 | .01697 | -.01306 | .39197 | .00451 | .02934 | .00043 | -.00028 | -.00001 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B052) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 87/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -6.330 | 5.05000 | .03000 | .02000 | 2.39700 | .05000 | .01000 | -.24000 | -.24900 | 1432.00000 |
| .900 | -4.250 | 5.01000 | .03000 | -.01000 | 2.33100 | .02000 | .04000 | -.22200 | -.23400 | 1432.00000 |
| .900 | -3.190 | 4.76000 | .05000 | -.03000 | 1.73900 | .02000 | .08000 | -.22200 | -.23400 | 1432.00000 |
| .900 | -2.140 | 5.00000 | .01000 | .00000 | 2.25900 | .02000 | .01000 | -.22400 | -.22600 | 1432.00000 |
| .901 | -1.090 | 5.01000 | .03000 | -.02000 | 2.23300 | .02000 | .05000 | -.22100 | -.22900 | 1432.00000 |
| .901 | -.010 | 4.98000 | -.02000 | .01000 | 2.22700 | -.01000 | -.03000 | -.23400 | -.23400 | 1432.00000 |
| .899 | 1.010 | 5.00000 | -.02000 | -.01000 | 2.22200 | -.03000 | -.01000 | -.24400 | -.23500 | 1432.00000 |
| .901 | 2.080 | 4.99000 | -.01000 | .00000 | 2.22000 | -.01000 | -.01000 | -.24300 | -.23700 | 1432.00000 |
| .900 | 3.110 | 4.99000 | .01000 | .00000 | 2.20800 | .00000 | .01000 | -.24900 | -.24200 | 1432.00000 |
| .901 | 4.170 | 4.98000 | .00000 | .01000 | 2.20400 | .00000 | -.01000 | -.25300 | -.25600 | 1432.00000 |
| .899 | 6.260 | 4.96000 | .00000 | .00000 | 2.15300 | -.01000 | .00000 | -.27900 | -.26500 | 1432.00000 |
| .901 | 8.360 | 4.97000 | .00000 | -.01000 | 2.10500 | -.01000 | .00000 | -.30900 | -.28500 | 1432.00000 |
| | GRADIENT | .00855 | -.00524 | .00286 | .01282 | -.00397 | -.00810 | -.00421 | -.00222 | -.00000 |

RUN NO. 74/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -6.320 | 5.03000 | .06000 | -.03000 | 2.07400 | .03000 | .09000 | -.26300 | -.27800 | 1473.00000 |
| .948 | -4.230 | 4.99000 | .06000 | -.04000 | 2.09800 | .01000 | .10000 | -.26100 | -.27400 | 1473.00000 |
| .947 | -3.180 | 4.99000 | -.05000 | -.16000 | 2.08100 | -.21000 | .11000 | -.24900 | -.26700 | 1473.00000 |
| .948 | -2.100 | 4.99000 | .00000 | -.04000 | 2.06600 | -.04000 | .04000 | -.26100 | -.27000 | 1473.00000 |
| .948 | -1.090 | 4.96000 | .10000 | .07000 | 2.04200 | .17000 | .04000 | -.26500 | -.26700 | 1473.00000 |
| .946 | -.020 | 4.95000 | .03000 | -.03000 | 2.04700 | .00000 | .06000 | -.27000 | -.26900 | 1473.00000 |
| .948 | 1.040 | 4.98000 | .02000 | -.02000 | 2.02000 | .00000 | .03000 | -.27600 | -.27600 | 1473.00000 |
| .946 | 2.080 | 4.96000 | .05000 | -.05000 | 2.04200 | .00000 | .10000 | -.29300 | -.28000 | 1473.00000 |
| .949 | 3.100 | 4.97000 | .05000 | -.05000 | 1.97900 | .00000 | .10000 | -.28600 | -.27400 | 1473.00000 |
| .949 | 4.150 | 4.96000 | -.03000 | -.04000 | 1.93200 | -.07000 | .02000 | -.31000 | -.29200 | 1473.00000 |
| .947 | 6.240 | 4.95000 | .06000 | -.04000 | 1.85800 | .02000 | .10000 | -.32400 | -.31000 | 1473.00000 |
| .948 | 8.350 | 4.96000 | -.08000 | -.09000 | 1.76100 | -.17000 | .02000 | -.35300 | -.32200 | 1473.00000 |
| | GRADIENT | -.00350 | -.00065 | .00350 | -.01653 | .00349 | -.00384 | -.00608 | -.00194 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B052) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 67/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.044 | -6.290 | 5.06000 | .02000 | -.02000 | 1.61100 | .00000 | .04000 | -.41600 | -.41500 | 1575.00000 |
| 1.045 | -4.250 | 5.01000 | .04000 | -.06000 | 1.59800 | -.02000 | .09000 | -.39100 | -.39800 | 1575.00000 |
| 1.047 | -3.200 | 5.00000 | .03000 | -.05000 | 1.59000 | -.02000 | .08000 | -.38100 | -.39000 | 1575.00000 |
| 1.047 | -2.110 | 5.00000 | .01000 | -.03000 | 1.58100 | -.01000 | .04000 | -.37600 | -.38700 | 1575.00000 |
| 1.044 | -1.060 | 4.97000 | .03000 | -.03000 | 1.56400 | .00000 | .07000 | -.37800 | -.38900 | 1575.00000 |
| 1.046 | -.030 | 4.97000 | .03000 | -.06000 | 1.55000 | -.02000 | .09000 | -.38000 | -.39000 | 1575.00000 |
| 1.046 | 1.040 | 5.00000 | .02000 | -.03000 | 1.53900 | -.01000 | .05000 | -.39300 | -.39800 | 1575.00000 |
| 1.045 | 2.120 | 4.98000 | .03000 | -.03000 | 1.53000 | .00000 | .06000 | -.40400 | -.40400 | 1575.00000 |
| 1.045 | 3.150 | 4.99000 | .02000 | -.02000 | 1.51900 | .00000 | .05000 | -.41400 | -.40800 | 1575.00000 |
| 1.046 | 4.200 | 4.98000 | .01000 | -.02000 | 1.50300 | -.01000 | .03000 | -.42300 | -.41500 | 1575.00000 |
| 1.047 | 6.290 | 4.98000 | .01000 | -.02000 | 1.48500 | -.01000 | .03000 | -.45100 | -.42900 | 1575.00000 |
| 1.045 | 8.400 | 5.00000 | .01000 | -.04000 | 1.47900 | -.03000 | .05000 | -.46900 | -.44000 | 1575.00000 |
| | GRADIENT | -.00253 | -.00189 | .00395 | -.01135 | .00174 | -.00490 | -.00469 | -.00260 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A28053) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 88/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -6.330 | 5.05000 | .02000 | .03000 | 2.38800 | .04000 | -.01000 | -.23500 | -.24200 | 1428.00000 |
| .901 | -4.230 | 5.05000 | .01000 | .04000 | 2.36800 | .05000 | -.03000 | -.22200 | -.23000 | 1428.00000 |
| .899 | -3.180 | 4.96000 | .01000 | .03000 | 2.16800 | .05000 | -.02000 | -.21800 | -.22700 | 1428.00000 |
| .900 | -2.130 | 5.09000 | .03000 | .08000 | 2.41200 | .12000 | -.05000 | -.22400 | -.23000 | 1428.00000 |
| .900 | -1.080 | 4.97000 | .00000 | .04000 | 2.15600 | .04000 | -.04000 | -.22200 | -.22900 | 1428.00000 |
| .901 | -.030 | 4.98000 | -.05000 | .07000 | 2.21800 | .01000 | -.12000 | -.23000 | -.23100 | 1428.00000 |
| .899 | 1.080 | 4.98000 | .05000 | -.02000 | 2.22500 | .03000 | .07000 | -.23200 | -.22800 | 1428.00000 |
| .898 | 2.090 | 4.94000 | -.07000 | .06000 | 2.12600 | -.02000 | -.13000 | -.24100 | -.22900 | 1428.00000 |
| .900 | 3.150 | 4.98000 | .07000 | -.04000 | 2.20800 | .03000 | .10000 | -.24400 | -.24000 | 1428.00000 |
| .901 | 4.210 | 4.97000 | .03000 | .01000 | 2.19500 | .04000 | .03000 | -.25700 | -.25100 | 1428.00000 |
| .901 | 6.200 | 4.97000 | .03000 | .00000 | 2.13800 | .03000 | .03000 | -.27400 | -.26000 | 1428.00000 |
| .899 | 8.360 | 4.90000 | .06000 | -.06000 | 1.93900 | .00000 | .12000 | -.30200 | -.27300 | 1428.00000 |
| | GRADIENT | -.00868 | .00178 | -.00683 | -.01694 | -.00615 | .00877 | -.00414 | -.00189 | .00000 |

RUN NO. 75/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.320 | 5.04000 | .05000 | -.02000 | 2.06300 | .03000 | .07000 | -.27000 | -.27800 | 1477.00000 |
| .946 | -4.210 | 5.02000 | .04000 | -.01000 | 2.10900 | .02000 | .05000 | -.25200 | -.26800 | 1477.00000 |
| .947 | -3.170 | 5.01000 | .03000 | -.03000 | 2.11100 | .01000 | .06000 | -.25700 | -.26700 | 1477.00000 |
| .948 | -2.130 | 5.02000 | .09000 | .01000 | 2.09500 | .10000 | .07000 | -.26000 | -.27300 | 1477.00000 |
| .949 | -1.100 | 4.99000 | .00000 | .02000 | 2.06100 | .02000 | -.03000 | -.26300 | -.27200 | 1477.00000 |
| .949 | -.020 | 4.96000 | .03000 | .01000 | 2.02300 | .04000 | .02000 | -.27400 | -.27700 | 1477.00000 |
| .949 | 1.010 | 4.96000 | .04000 | -.01000 | 2.01200 | .03000 | .05000 | -.26900 | -.26300 | 1477.00000 |
| .948 | 2.090 | 4.95000 | .03000 | -.02000 | 2.01400 | .02000 | .05000 | -.29200 | -.28600 | 1477.00000 |
| .946 | 3.130 | 4.96000 | .04000 | -.03000 | 2.00700 | .01000 | .06000 | -.30100 | -.28200 | 1477.00000 |
| .948 | 4.180 | 4.96000 | .05000 | -.05000 | 1.94500 | .01000 | .10000 | -.29900 | -.29000 | 1477.00000 |
| .949 | 6.170 | 4.95000 | .01000 | -.08000 | 1.83500 | -.07000 | .09000 | -.33200 | -.31100 | 1477.00000 |
| .948 | 8.350 | 4.96000 | .07000 | -.04000 | 1.77400 | .03000 | .10000 | -.35900 | -.33100 | 1477.00000 |
| | GRADIENT | -.00889 | -.00015 | -.00399 | -.01871 | -.00302 | .00384 | -.00620 | -.00239 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28054) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 76/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -6.330 | 4.93000 | -9.95000 | .01000 | .92500 | -9.94000 | -9.96000 | -.26400 | -.26100 | 1473.00000 |
| .946 | -4.260 | 4.89000 | -9.91000 | -.01000 | .87600 | -9.92000 | -9.90000 | -.24900 | -.24400 | 1473.00000 |
| .947 | -3.210 | 4.89000 | -9.87000 | -.05000 | .86300 | -9.92000 | -9.83000 | -.23100 | -.23600 | 1473.00000 |
| .947 | -2.150 | 4.89000 | -9.90000 | -.01000 | .84400 | -9.91000 | -9.89000 | -.22900 | -.23100 | 1473.00000 |
| .948 | -1.100 | 4.87000 | -9.91000 | .00000 | .83100 | -9.91000 | -9.91000 | -.23700 | -.24500 | 1473.00000 |
| .950 | -.020 | 4.87000 | -9.90000 | .00000 | .81600 | -9.90000 | -9.90000 | -.23600 | -.23500 | 1473.00000 |
| .948 | 1.000 | 4.89000 | -9.90000 | .00000 | .80900 | -9.90000 | -9.90000 | -.25500 | -.24800 | 1473.00000 |
| .944 | 2.080 | 4.87000 | -9.89000 | .00000 | .79200 | -9.89000 | -9.89000 | -.24900 | -.24500 | 1473.00000 |
| .946 | 3.110 | 4.87000 | -9.88000 | -.01000 | .77800 | -9.88000 | -9.87000 | -.26700 | -.26100 | 1473.00000 |
| .946 | 4.160 | 4.85000 | -9.89000 | -.02000 | .75500 | -9.91000 | -9.88000 | -.29100 | -.28100 | 1473.00000 |
| .948 | 6.260 | 4.85000 | -9.97000 | -.07000 | .72700 | -10.04000 | -9.90000 | -.31300 | -.28700 | 1473.00000 |
| .946 | 8.350 | 4.86000 | -10.03000 | -.04000 | .73700 | -10.07000 | -9.99000 | -.33200 | -.31000 | 1473.00000 |
| | GRADIENT | -.00380 | .00126 | .00159 | -.01369 | .00333 | -.00048 | -.00527 | -.00401 | -.00000 |

RUN NO. 68/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -6.320 | 5.06000 | -9.93000 | .00000 | .87500 | -9.94000 | -9.93000 | -.41400 | -.38100 | 1577.00000 |
| 1.045 | -4.270 | 5.02000 | -9.92000 | -.01000 | .85500 | -9.93000 | -9.91000 | -.40100 | -.37000 | 1577.00000 |
| 1.046 | -3.210 | 5.01000 | -9.91000 | -.01000 | .83200 | -9.92000 | -9.90000 | -.39100 | -.36400 | 1577.00000 |
| 1.044 | -2.120 | 5.01000 | -9.91000 | -.01000 | .83000 | -9.92000 | -9.91000 | -.38300 | -.36200 | 1577.00000 |
| 1.045 | -1.070 | 4.99000 | -9.94000 | .00000 | .82300 | -9.94000 | -9.94000 | -.37700 | -.36000 | 1577.00000 |
| 1.045 | .000 | 4.99000 | -9.94000 | .01000 | .81000 | -9.93000 | -9.95000 | -.38700 | -.36600 | 1577.00000 |
| 1.045 | 1.040 | 5.01000 | -9.94000 | .01000 | .80900 | -9.93000 | -9.95000 | -.39700 | -.37400 | 1577.00000 |
| 1.046 | 2.110 | 5.00000 | -9.94000 | .01000 | .80400 | -9.93000 | -9.95000 | -.41400 | -.38500 | 1577.00000 |
| 1.045 | 3.140 | 5.01000 | -9.94000 | .02000 | .79300 | -9.92000 | -9.95000 | -.42800 | -.39400 | 1577.00000 |
| 1.045 | 4.200 | 5.00000 | -9.94000 | .02000 | .77200 | -9.92000 | -9.96000 | -.43900 | -.40500 | 1577.00000 |
| 1.045 | 6.310 | 5.00000 | -9.94000 | .03000 | .75700 | -9.92000 | -9.97000 | -.46800 | -.42000 | 1577.00000 |
| 1.046 | 8.420 | 5.01000 | -9.92000 | .01000 | .78400 | -9.91000 | -9.93000 | -.47500 | -.42300 | 1577.00000 |
| | GRADIENT | -.00127 | -.00363 | .00409 | -.00811 | .00047 | -.00694 | -.00541 | -.00455 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A28055) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 77/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -6.330 | 4.97000 | -9.96000 | .06000 | .93800 | -9.91000 | -10.02000 | -.26300 | -.26400 | 1474.00000 |
| .948 | -4.240 | 4.96000 | -9.86000 | .13000 | .90700 | -9.73000 | -9.99000 | -.24100 | -.24300 | 1474.00000 |
| .948 | -3.190 | 4.95000 | -9.94000 | .03000 | .86300 | -9.91000 | -9.97000 | -.23600 | -.24000 | 1474.00000 |
| .948 | -2.140 | 4.96000 | -9.89000 | -.01000 | .87500 | -9.90000 | -9.88000 | -.23800 | -.24100 | 1474.00000 |
| .948 | -1.090 | 4.93000 | -9.94000 | -.05000 | .84900 | -9.99000 | -9.89000 | -.23900 | -.24600 | 1474.00000 |
| .946 | -.020 | 4.90000 | -9.88000 | -.01000 | .82300 | -9.89000 | -9.87000 | -.23100 | -.23800 | 1474.00000 |
| .948 | 1.030 | 4.89000 | -9.88000 | .04000 | .80900 | -9.85000 | -9.92000 | -.24000 | -.23900 | 1474.00000 |
| .946 | 2.100 | 4.88000 | -9.96000 | .01000 | .78800 | -9.94000 | -9.97000 | -.25600 | -.26100 | 1474.00000 |
| .947 | 3.160 | 4.88000 | -9.94000 | .01000 | .77800 | -9.92000 | -9.95000 | -.27300 | -.26000 | 1474.00000 |
| .949 | 4.200 | 4.89000 | -9.93000 | .03000 | .77200 | -9.90000 | -9.95000 | -.28300 | -.26000 | 1474.00000 |
| .945 | 6.170 | 4.87000 | -9.88000 | .08000 | .74700 | -9.81000 | -9.96000 | -.30400 | -.28000 | 1474.00000 |
| .947 | 8.360 | 4.86000 | -9.93000 | .06000 | .74200 | -9.87000 | -9.99000 | -.32900 | -.30000 | 1474.00000 |
| | GRADIENT | -.01089 | -.00569 | -.00519 | -.01592 | -.01023 | .00013 | -.00499 | -.00254 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28056) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = . . .000
RN/L = 8.000

RUN NO. 79/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.240 | 15.01000 | -9.90000 | -.01000 | 2.37500 | -9.90000 | -9.89000 | -.30300 | -.28500 | 1479.00000 |
| .949 | -4.180 | 15.03000 | -9.89000 | -.01000 | 2.35400 | -9.90000 | -9.88000 | -.28900 | -.29700 | 1479.00000 |
| .946 | -3.130 | 15.02000 | -9.90000 | -.01000 | 2.34200 | -9.90000 | -9.89000 | -.28200 | -.29700 | 1479.00000 |
| .947 | -2.080 | 15.01000 | -9.91000 | .00000 | 2.33300 | -9.91000 | -9.90000 | -.28600 | -.30000 | 1479.00000 |
| .947 | -1.040 | 15.03000 | -9.91000 | .00000 | 2.32300 | -9.91000 | -9.90000 | -.29700 | -.30700 | 1479.00000 |
| .945 | .020 | 15.00000 | -9.91000 | .00000 | 2.31900 | -9.91000 | -9.90000 | -.29900 | -.29600 | 1479.00000 |
| .947 | 1.060 | 15.02000 | -9.90000 | -.01000 | 2.31600 | -9.91000 | -9.89000 | -.31400 | -.29500 | 1479.00000 |
| .947 | 2.060 | 15.03000 | -9.89000 | -.01000 | 2.32200 | -9.90000 | -9.88000 | -.30900 | -.29600 | 1479.00000 |
| .947 | 3.120 | 15.01000 | -9.89000 | -.01000 | 2.33300 | -9.90000 | -9.88000 | -.33600 | -.30300 | 1479.00000 |
| .947 | 4.180 | 15.03000 | -9.89000 | -.02000 | 2.32500 | -9.91000 | -9.86000 | -.32000 | -.29300 | 1479.00000 |
| .946 | 6.310 | 15.02000 | -9.88000 | -.03000 | 2.30700 | -9.91000 | -9.85000 | -.34800 | -.29400 | 1479.00000 |
| .949 | 8.430 | 15.04000 | -9.88000 | -.02000 | 2.30800 | -9.90000 | -9.86000 | -.36700 | -.31700 | 1479.00000 |
| | GRADIENT | -.00001 | .00127 | -.00112 | -.00276 | -.00033 | .00255 | -.00558 | .00029 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B057) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 79/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.240 | 15.00000 | -9.91000 | -.03000 | 2.38000 | -9.94000 | -9.88000 | -.30400 | -.30100 | 1476.00000 |
| .945 | -4.250 | 14.98000 | -9.92000 | -.01000 | 2.35100 | -9.93000 | -9.91000 | -.28400 | -.29400 | 1476.00000 |
| .949 | -3.200 | 15.00000 | -9.91000 | -.01000 | 2.33900 | -9.92000 | -9.90000 | -.28500 | -.29900 | 1476.00000 |
| .949 | -2.160 | 14.99000 | -9.91000 | .00000 | 2.33100 | -9.91000 | -9.90000 | -.28800 | -.29600 | 1476.00000 |
| .947 | -1.110 | 15.01000 | -9.89000 | .01000 | 2.32400 | -9.88000 | -9.91000 | -.28800 | -.30300 | 1476.00000 |
| .949 | -.040 | 15.04000 | -9.89000 | .01000 | 2.31800 | -9.88000 | -9.91000 | -.29900 | -.31000 | 1476.00000 |
| .945 | 1.010 | 15.05000 | -9.93000 | .05000 | 2.32000 | -9.88000 | -9.98000 | -.29600 | -.28600 | 1476.00000 |
| .947 | 2.090 | 15.06000 | -9.95000 | .00000 | 2.32300 | -9.95000 | -9.95000 | -.32200 | -.30400 | 1476.00000 |
| .947 | 3.150 | 15.05000 | -9.94000 | .04000 | 2.33200 | -9.90000 | -9.98000 | -.32700 | -.29900 | 1476.00000 |
| .948 | 4.210 | 15.05000 | -9.91000 | .05000 | 2.32300 | -9.85000 | -9.96000 | -.33700 | -.30400 | 1476.00000 |
| .945 | 6.350 | 15.02000 | -9.96000 | -.02000 | 2.30800 | -9.98000 | -9.94000 | -.36700 | -.30400 | 1476.00000 |
| .948 | 8.430 | 15.03000 | -9.88000 | -.01000 | 2.31300 | -9.90000 | -9.87000 | -.38300 | -.30900 | 1476.00000 |
| | GRADIENT | .00960 | -.00269 | .00676 | -.00240 | .00470 | -.00961 | -.00653 | -.00062 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B058) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 80/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -4.170 | 15.05000 | .01000 | -.06000 | 2.52700 | -.05000 | .07000 | -.30300 | -.32500 | 1479.00000 |
| .946 | -3.130 | 15.09000 | .04000 | -.03000 | 2.50800 | .01000 | .07000 | -.30300 | -.33300 | 1479.00000 |
| .950 | -2.080 | 15.05000 | .04000 | -.02000 | 2.48800 | .02000 | .06000 | -.30300 | -.32900 | 1479.00000 |
| .947 | -1.040 | 15.08000 | .03000 | -.02000 | 2.48200 | .01000 | .05000 | -.30600 | -.33300 | 1479.00000 |
| .946 | .030 | 15.07000 | .04000 | -.03000 | 2.47800 | .01000 | .07000 | -.32000 | -.34500 | 1479.00000 |
| .947 | 1.060 | 15.07000 | .04000 | -.04000 | 2.47900 | .00000 | .08000 | -.32200 | -.34000 | 1479.00000 |
| .947 | 2.060 | 15.06000 | .04000 | -.05000 | 2.47800 | -.01000 | .09000 | -.35100 | -.35000 | 1479.00000 |
| .946 | 3.110 | 15.05000 | .04000 | -.05000 | 2.48100 | -.01000 | .09000 | -.35600 | -.35300 | 1479.00000 |
| .947 | 4.180 | 15.07000 | .05000 | -.05000 | 2.47800 | .00000 | .11000 | -.35900 | -.35500 | 1479.00000 |
| .947 | 6.310 | 15.06000 | -.03000 | .00000 | 2.47700 | -.03000 | -.04000 | -.37100 | -.34300 | 1479.00000 |
| .949 | 8.430 | 15.09000 | -.04000 | -.10000 | 2.48600 | -.15000 | .06000 | -.36000 | -.35100 | 1479.00000 |
| | GRADIENT | -.00047 | .00272 | -.00159 | -.00481 | .00113 | .00496 | -.00791 | -.00366 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A28059) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 81/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.240 | 15.05000 | .03000 | -.04000 | 2.55400 | -.01000 | .07000 | -.33700 | -.32500 | 1475.00000 |
| .947 | -4.240 | 15.03000 | .02000 | -.05000 | 2.52800 | -.03000 | .07000 | -.30600 | -.32300 | 1475.00000 |
| .947 | -3.200 | 15.03000 | .02000 | -.06000 | 2.50800 | -.04000 | .08000 | -.30500 | -.32600 | 1475.00000 |
| .948 | -2.160 | 15.03000 | .02000 | -.05000 | 2.49400 | -.03000 | .08000 | -.30900 | -.33800 | 1475.00000 |
| .949 | -1.110 | 15.06000 | .04000 | -.05000 | 2.47800 | -.01000 | .08000 | -.31100 | -.34000 | 1475.00000 |
| .948 | -.050 | 15.10000 | .05000 | -.02000 | 2.47200 | .03000 | .07000 | -.31800 | -.34400 | 1475.00000 |
| .948 | 1.000 | 15.12000 | .04000 | -.02000 | 2.47200 | .02000 | .07000 | -.32700 | -.33900 | 1475.00000 |
| .946 | 2.090 | 15.09000 | .02000 | -.05000 | 2.47800 | -.03000 | .07000 | -.35100 | -.35100 | 1475.00000 |
| .949 | 3.150 | 15.11000 | -.17000 | -.03000 | 2.47300 | -.19000 | -.14000 | -.35800 | -.34600 | 1475.00000 |
| .946 | 4.220 | 15.10000 | .06000 | -.04000 | 2.47600 | .01000 | .10000 | -.34500 | -.34400 | 1475.00000 |
| .946 | 6.350 | 15.08000 | .02000 | -.07000 | 2.47900 | -.05000 | .08000 | -.36000 | -.35700 | 1475.00000 |
| .948 | 8.430 | 15.08000 | .05000 | -.03000 | 2.49200 | .02000 | .08000 | -.35700 | -.34600 | 1475.00000 |
| | GRADIENT | .01100 | -.00649 | .00251 | -.00550 | -.00414 | -.00900 | -.00654 | -.00266 | .00000 |

ARC 200-1 11(LA77) OV101 0 TO - TO + TO 0 BETA (A28060) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 82/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | .080 | 15.09000 | .04000 | -.03000 | 2.47200 | .00000 | .07000 | -.30800 | -.33500 | 1476.00000 |
| .947 | -1.040 | 15.06000 | .04000 | -.03000 | 2.48400 | .02000 | .07000 | -.30700 | -.32900 | 1476.00000 |
| .948 | -2.080 | 15.05000 | .05000 | -.03000 | 2.49500 | .02000 | .07000 | -.29600 | -.33600 | 1476.00000 |
| .948 | -3.120 | 15.04000 | .05000 | -.03000 | 2.50800 | .02000 | .08000 | -.29800 | -.32800 | 1476.00000 |
| .949 | -4.170 | 15.05000 | -.01000 | -.07000 | 2.52500 | -.08000 | .06000 | -.30600 | -.31900 | 1476.00000 |
| .947 | -3.130 | 15.07000 | .01000 | -.03000 | 2.50900 | -.02000 | .03000 | -.29900 | -.32700 | 1476.00000 |
| .947 | -2.080 | 15.07000 | .01000 | -.03000 | 2.49500 | -.02000 | .03000 | -.30500 | -.33200 | 1476.00000 |
| .947 | -1.030 | 15.09000 | .00000 | -.03000 | 2.47700 | -.03000 | .04000 | -.31200 | -.32900 | 1476.00000 |
| .946 | .060 | 15.08000 | .01000 | -.04000 | 2.47400 | -.03000 | .05000 | -.31000 | -.34100 | 1476.00000 |
| .946 | 1.060 | 15.06000 | .04000 | .00000 | 2.47900 | .05000 | .04000 | -.33200 | -.34700 | 1476.00000 |
| .945 | 2.050 | 15.07000 | .01000 | -.05000 | 2.47800 | -.04000 | .06000 | -.33900 | -.33700 | 1476.00000 |
| .949 | 3.110 | 15.07000 | .04000 | -.02000 | 2.47500 | .02000 | .06000 | -.36100 | -.35600 | 1476.00000 |
| .944 | 4.180 | 15.06000 | .01000 | -.08000 | 2.48300 | -.07000 | .09000 | -.34900 | -.34300 | 1476.00000 |
| .948 | 3.150 | 15.09000 | .00000 | -.07000 | 2.47500 | -.07000 | .08000 | -.34800 | -.34400 | 1476.00000 |
| .949 | 2.090 | 15.13000 | .03000 | -.03000 | 2.47200 | .00000 | .06000 | -.34700 | -.34400 | 1476.00000 |
| .947 | 1.010 | 15.10000 | .03000 | .00000 | 2.47600 | .03000 | .02000 | -.32700 | -.34500 | 1476.00000 |
| .948 | -.010 | 15.09000 | -.06000 | -.03000 | 2.47100 | -.09000 | -.04000 | -.31600 | -.34200 | 1476.00000 |
| | GRADIENT | .00394 | .00013 | -.00121 | -.00498 | -.00109 | .00222 | -.00781 | -.00317 | -.00000 |

ARC 200-1 11(LA77) OV101 0 TO - TO + TO 0 BETA (A28061) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 83/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .946 | .010 | 4.96000 | .01000 | -.01000 | 2.04200 | .00000 | .01000 | -.26500 | -.26300 | 1473.00000 |
| .949 | -1.090 | 5.01000 | -.03000 | .04000 | 2.03700 | .01000 | -.07000 | -.26000 | -.26700 | 1473.00000 |
| .947 | -2.130 | 5.03000 | .03000 | -.02000 | 2.08800 | .01000 | .05000 | -.26800 | -.27400 | 1473.00000 |
| .946 | -3.180 | 5.03000 | .03000 | .00000 | 2.10000 | .03000 | .03000 | -.25100 | -.26300 | 1473.00000 |
| .947 | -4.220 | 5.04000 | .04000 | .01000 | 2.11000 | .05000 | .03000 | -.24900 | -.26400 | 1473.00000 |
| .948 | -3.200 | 5.01000 | .07000 | .00000 | 2.09000 | .07000 | .07000 | -.25200 | -.27000 | 1473.00000 |
| .946 | -2.140 | 5.01000 | .04000 | -.06000 | 2.08300 | -.02000 | .10000 | -.25500 | -.26900 | 1473.00000 |
| .949 | -1.100 | 4.99000 | .04000 | -.07000 | 2.02900 | -.03000 | .12000 | -.26500 | -.26800 | 1473.00000 |
| .946 | .000 | 4.98000 | -.09000 | -.04000 | 2.05600 | -.12000 | -.05000 | -.26700 | -.27200 | 1473.00000 |
| .948 | 1.000 | 5.02000 | .01000 | .10000 | 2.02200 | .12000 | -.09000 | -.27400 | -.25900 | 1473.00000 |
| .947 | 2.070 | 5.00000 | .23000 | .04000 | 2.04300 | .27000 | .18000 | -.28800 | -.28600 | 1473.00000 |
| .948 | 3.100 | 5.01000 | -.04000 | -.08000 | 2.01200 | -.11000 | .04000 | -.29400 | -.28000 | 1473.00000 |
| .947 | 4.150 | 4.99000 | .01000 | -.01000 | 1.94600 | .01000 | .02000 | -.30300 | -.29600 | 1473.00000 |
| .947 | 3.120 | 4.98000 | .00000 | .01000 | 1.98900 | .01000 | -.01000 | -.28500 | -.28600 | 1473.00000 |
| .948 | 2.090 | 4.98000 | -.01000 | .04000 | 2.01200 | .02000 | -.05000 | -.28400 | -.28600 | 1473.00000 |
| .947 | 1.020 | 4.97000 | .11000 | -.02000 | 2.02400 | .09000 | .14000 | -.27400 | -.26400 | 1473.00000 |
| .946 | .000 | 4.99000 | .08000 | -.06000 | 2.03300 | .03000 | .14000 | -.26400 | -.26400 | 1473.00000 |
| | GRADIENT | -.00523 | -.00143 | .00151 | -.01596 | .00073 | -.00316 | -.00611 | -.00295 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B062) ( 17 SEP 76 )

REFE 'ENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7500 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 115/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .600 | -1.940 | -.03000 | -.02000 | -.04000 | -1.90200 | -.06000 | .03000 | -.21200 | -.21500 | 892.40000 |
| .600 | .010 | -.02000 | -.01000 | -.04000 | -.61600 | -.05000 | .03000 | -.20500 | -.20800 | 892.40000 |
| .601 | 2.030 | -.02000 | -.01000 | -.04000 | .85200 | -.04000 | .03000 | -.19300 | -.20100 | 892.40000 |
| .601 | 4.050 | -.02000 | -.01000 | -.04000 | 2.28400 | -.05000 | .03000 | -.19400 | -.20100 | 892.40000 |
| .599 | 6.000 | -.02000 | -.02000 | -.04000 | 3.44000 | -.06000 | .03000 | -.19900 | -.20700 | 892.40000 |
| .599 | 8.000 | -.02000 | -.02000 | -.04000 | 4.23100 | -.06000 | .02000 | -.19500 | -.20300 | 892.40000 |
| .599 | 10.100 | -.01000 | -.03000 | -.03000 | 4.58500 | -.06000 | .00000 | -.20200 | -.20800 | 892.40000 |
| .599 | 11.040 | -.01000 | -.03000 | -.03000 | 4.58500 | -.06000 | -.01000 | -.20000 | -.20900 | 892.40000 |
| .600 | 12.030 | -.01000 | -.04000 | -.02000 | 4.50100 | -.06000 | -.01000 | -.20500 | -.21100 | 892.40000 |
| .600 | 13.010 | -.01000 | -.02000 | -.04000 | 4.25700 | -.06000 | .02000 | -.20400 | -.21800 | 892.40000 |
| .600 | 13.990 | .00000 | -.02000 | -.02000 | 3.93800 | -.05000 | .00000 | -.21200 | -.21900 | 892.40000 |
| .600 | 15.020 | .00000 | -.01000 | -.02000 | 3.59600 | -.03000 | .01000 | -.21800 | -.23200 | 892.40000 |
| .600 | 16.000 | .00000 | -.02000 | -.04000 | 3.38000 | -.06000 | .01000 | -.21700 | -.23900 | 892.40000 |
| .600 | 17.990 | .00000 | -.01000 | -.04000 | 2.94200 | -.06000 | .03000 | -.25300 | -.25800 | 892.40000 |
| .600 | 20.000 | .02000 | -.03000 | -.03000 | 2.62300 | -.06000 | .01000 | -.27700 | -.28500 | 892.40000 |
| | GRADIENT | .00149 | .00149 | -.00000 | .70177 | .00199 | .00000 | .00330 | .00245 | .00000 |

RUN NO. 94/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -1.960 | -.03000 | .05000 | -.02000 | -.83700 | .03000 | .07000 | -.36400 | -.35600 | 1399.00000 |
| 1.198 | .000 | -.04000 | .02000 | .02000 | -.08000 | .04000 | .00000 | -.35600 | -.35100 | 1399.00000 |
| 1.196 | 2.000 | -.03000 | .03000 | -.02000 | .67300 | .01000 | .05000 | -.34600 | -.34700 | 1399.00000 |
| 1.198 | 3.980 | -.03000 | .02000 | -.03000 | 1.30000 | -.01000 | .05000 | -.33600 | -.34600 | 1399.00000 |
| 1.197 | 5.970 | -.03000 | .02000 | -.04000 | 1.77400 | -.02000 | .05000 | -.33600 | -.35100 | 1399.00000 |
| 1.197 | 7.960 | -.04000 | .02000 | -.01000 | 2.07600 | .01000 | .03000 | -.34800 | -.35900 | 1399.00000 |
| 1.197 | 9.960 | -.02000 | .03000 | -.03000 | 2.24500 | .01000 | .06000 | -.35500 | -.36700 | 1399.00000 |
| 1.196 | 10.980 | -.02000 | .03000 | -.02000 | 2.28900 | .01000 | .05000 | -.35900 | -.36800 | 1399.00000 |
| 1.197 | 11.960 | -.02000 | .01000 | .00000 | 2.30300 | .01000 | .01000 | -.36500 | -.37700 | 1399.00000 |
| 1.197 | 12.950 | -.02000 | .03000 | .00000 | 2.28600 | .03000 | .03000 | -.37200 | -.38400 | 1399.00000 |
| 1.197 | 13.970 | -.02000 | .02000 | -.02000 | 2.25100 | .00000 | .03000 | -.38400 | -.39500 | 1399.00000 |
| 1.196 | 14.970 | -.02000 | .02000 | -.02000 | 2.20700 | .00000 | .04000 | -.39500 | -.40700 | 1399.00000 |
| 1.196 | 15.970 | -.02000 | .01000 | -.01000 | 2.16000 | .00000 | .02000 | -.40900 | -.41600 | 1399.00000 |
| 1.196 | 18.040 | -.02000 | .01000 | -.02000 | 2.06100 | .00000 | .03000 | -.42900 | -.43400 | 1399.00000 |
| 1.195 | 20.020 | .00000 | -.04000 | .00000 | 1.95100 | -.04000 | -.05000 | -.45300 | -.45500 | 1399.00000 |
| | GRADIENT | .00051 | -.00402 | -.00356 | .36143 | -.00758 | -.00046 | .00474 | .00171 | .00000 |

ARC 200-1 11(LA77) OV101 (A28063) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 116/ 0 RN/L = 7.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .600 | -1.940 | 4.11000 | -.01000 | -.03000 | -1.95300 | -.05000 | .02000 | -.23000 | -.22200 | 892.10000 |
| .599 | .050 | 4.13000 | -.01000 | -.03000 | -.60100 | -.04000 | .02000 | -.22900 | -.22500 | 892.10000 |
| .599 | 2.040 | 4.13000 | -.01000 | -.03000 | .85900 | -.04000 | .02000 | -.23000 | -.22100 | 892.10000 |
| .600 | 4.050 | 4.13000 | -.01000 | -.03000 | 2.25500 | -.04000 | .02000 | -.22800 | -.22600 | 892.10000 |
| .599 | 6.030 | 4.15000 | -.01000 | -.04000 | 3.42900 | -.05000 | .02000 | -.23100 | -.22600 | 892.10000 |
| .599 | 8.030 | 4.18000 | -.02000 | -.04000 | 4.20500 | -.05000 | .02000 | -.22600 | -.22200 | 892.10000 |
| .599 | 10.050 | 4.20000 | -.02000 | -.04000 | 4.56800 | -.06000 | .02000 | -.22900 | -.21900 | 892.10000 |
| .599 | 11.060 | 4.21000 | -.02000 | -.04000 | 4.57800 | -.06000 | .01000 | -.23400 | -.22500 | 892.10000 |
| .599 | 12.080 | 4.21000 | -.02000 | -.03000 | 4.50700 | -.06000 | .01000 | -.23300 | -.23000 | 892.10000 |
| .600 | 13.080 | 4.22000 | -.02000 | -.04000 | 4.33000 | -.06000 | .02000 | -.23200 | -.22700 | 892.10000 |
| .600 | 14.100 | 4.23000 | -.02000 | -.04000 | 3.86500 | -.06000 | .02000 | -.23800 | -.23800 | 892.10000 |
| .600 | 15.070 | 4.23000 | -.03000 | -.03000 | 3.57900 | -.06000 | .00000 | -.24600 | -.24400 | 892.10000 |
| .600 | 16.040 | 4.24000 | -.02000 | -.04000 | 3.30900 | -.06000 | .01000 | -.25400 | -.24900 | 892.10000 |
| .600 | 18.080 | 4.24000 | -.05000 | .00000 | 2.93900 | -.06000 | -.05000 | -.27400 | -.27200 | 892.10000 |
| .600 | 19.990 | 4.26000 | -.04000 | -.01000 | 2.64700 | -.06000 | -.03000 | -.30600 | -.29300 | 892.10000 |
| | GRADIENT | .00300 | .00000 | .00000 | .70561 | .00150 | .00000 | .00025 | -.00040 | .00000 |

RUN NO. 95/ 0 RN/L = 6.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.960 | 4.18000 | .05000 | .00000 | -.85200 | .04000 | .05000 | -.39600 | -.37100 | 1426.00000 |
| 1.198 | .030 | 4.18000 | .04000 | -.02000 | -.11700 | .02000 | .07000 | -.37800 | -.36500 | 1426.00000 |
| 1.196 | 2.070 | 4.15000 | .04000 | .01000 | .63900 | .04000 | .03000 | -.37200 | -.36500 | 1426.00000 |
| 1.197 | 4.050 | 4.18000 | -.02000 | -.01000 | 1.27300 | -.03000 | -.01000 | -.36600 | -.36300 | 1426.00000 |
| 1.198 | 6.010 | 4.19000 | .00000 | -.01000 | 1.73800 | -.01000 | .01000 | -.37100 | -.36900 | 1426.00000 |
| 1.197 | 8.000 | 4.23000 | .01000 | -.03000 | 2.04000 | -.02000 | .03000 | -.38600 | -.38000 | 1426.00000 |
| 1.197 | 10.010 | 4.25000 | -.01000 | -.02000 | 2.21200 | -.02000 | .01000 | -.39200 | -.39200 | 1426.00000 |
| 1.195 | 11.000 | 4.27000 | .02000 | -.05000 | 2.24000 | -.03000 | .07000 | -.40000 | -.39600 | 1426.00000 |
| 1.198 | 12.030 | 4.29000 | .02000 | -.04000 | 2.25600 | -.02000 | .06000 | -.40400 | -.39800 | 1426.00000 |
| 1.197 | 13.040 | 4.30000 | .00000 | -.03000 | 2.25300 | -.03000 | .02000 | -.41700 | -.40600 | 1426.00000 |
| 1.197 | 14.040 | 4.30000 | -.01000 | -.03000 | 2.23000 | -.04000 | .02000 | -.42400 | -.41200 | 1426.00000 |
| 1.198 | 15.060 | 4.31000 | -.02000 | -.01000 | 2.19300 | -.03000 | .00000 | -.43900 | -.41800 | 1426.00000 |
| 1.197 | 16.080 | 4.32000 | .01000 | -.04000 | 2.14800 | -.03000 | .05000 | -.44900 | -.42800 | 1426.00000 |
| 1.197 | 18.030 | 4.35000 | .00000 | -.03000 | 2.05900 | -.03000 | .03000 | -.44800 | -.43300 | 1426.00000 |
| | GRADIENT | -.00152 | -.01044 | .00003 | .35535 | -.00942 | -.01097 | .00478 | .00119 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28064) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 117/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -6.070 | 10.06000 | -.02000 | -.03000 | 4.66900 | -.05000 | .01000 | -.23500 | -.22500 | 876.60000 |
| .598 | -4.060 | 10.04000 | -.01000 | -.03000 | 4.65900 | -.05000 | .02000 | -.21700 | -.21300 | 876.60000 |
| .597 | -3.050 | 10.03000 | -.02000 | -.03000 | 4.61400 | -.05000 | .02000 | -.19800 | -.20600 | 876.60000 |
| .597 | -2.050 | 10.03000 | -.02000 | -.03000 | 4.57500 | -.05000 | .02000 | -.19400 | -.20200 | 876.60000 |
| .597 | -1.020 | 10.01000 | -.02000 | -.04000 | 4.57700 | -.06000 | .02000 | -.19400 | -.20400 | 876.60000 |
| .597 | -.020 | 9.99000 | -.02000 | -.03000 | 4.58300 | -.06000 | .01000 | -.19700 | -.20400 | 876.60000 |
| .597 | .950 | 10.00000 | -.02000 | -.03000 | 4.56700 | -.06000 | .01000 | -.20300 | -.20500 | 876.60000 |
| .597 | 2.000 | 10.05000 | -.03000 | -.03000 | 4.54800 | -.06000 | .01000 | -.20600 | -.21100 | 876.60000 |
| .596 | 3.030 | 10.06000 | -.02000 | -.03000 | 4.53600 | -.05000 | .01000 | -.21800 | -.21900 | 876.60000 |
| .597 | 4.110 | 10.06000 | -.02000 | -.03000 | 4.53700 | -.05000 | .01000 | -.22900 | -.21900 | 876.60000 |
| .596 | 6.170 | 10.04000 | -.02000 | -.04000 | 4.50700 | -.06000 | .01000 | -.23900 | -.23600 | 876.60000 |
| .597 | 8.240 | 10.06000 | -.02000 | -.04000 | 4.58500 | -.06000 | .02000 | -.25100 | -.24300 | 876.60000 |
| | GRADIENT | .00333 | -.00098 | .00016 | -.01287 | -.00032 | -.00163 | -.00234 | -.00136 | -.00000 |

RUN NO. 96/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -6.190 | 10.09000 | .04000 | -.03000 | 2.27000 | .01000 | .08000 | -.39400 | -.38800 | 1445.00000 |
| 1.197 | -4.140 | 10.07000 | .04000 | -.03000 | 2.26800 | .01000 | .07000 | -.38200 | -.38100 | 1445.00000 |
| 1.198 | -3.110 | 10.05000 | .04000 | -.03000 | 2.26500 | .02000 | .07000 | -.37000 | -.37600 | 1445.00000 |
| 1.198 | -2.080 | 10.03000 | .04000 | -.03000 | 2.26300 | .02000 | .07000 | -.36300 | -.37200 | 1445.00000 |
| 1.197 | -1.040 | 10.02000 | .05000 | -.03000 | 2.25800 | .02000 | .09000 | -.35800 | -.36900 | 1445.00000 |
| 1.197 | -.030 | 10.00000 | .01000 | .01000 | 2.24700 | .02000 | .00000 | -.35300 | -.36400 | 1445.00000 |
| 1.198 | 1.000 | 10.03000 | .04000 | -.03000 | 2.24200 | .01000 | .07000 | -.35900 | -.36900 | 1445.00000 |
| 1.198 | 2.060 | 10.07000 | .04000 | -.03000 | 2.24200 | .01000 | .07000 | -.37100 | -.37400 | 1445.00000 |
| 1.197 | 3.110 | 10.06000 | .04000 | -.03000 | 2.22500 | .00000 | .07000 | -.38100 | -.37900 | 1445.00000 |
| 1.198 | 4.180 | 10.06000 | .04000 | -.04000 | 2.20800 | -.01000 | .08000 | -.39300 | -.38900 | 1445.00000 |
| 1.199 | 6.270 | 10.04000 | .02000 | -.04000 | 2.18100 | -.01000 | .06000 | -.40200 | -.39700 | 1445.00000 |
| 1.198 | 8.380 | 10.05000 | .00000 | -.02000 | 2.16900 | -.02000 | .02000 | -.41600 | -.40500 | 1445.00000 |
| | GRADIENT | .00132 | -.00015 | -.00066 | -.00672 | -.00274 | .00035 | -.00154 | -.00074 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28065) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 110/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.930 | -.04000 | -.01000 | -.04000 | -1.67600 | -.05000 | .03000 | -.22700 | -.22900 | 1422.00000 |
| .899 | -.020 | -.03000 | -.01000 | -.04000 | -.42300 | -.05000 | .03000 | -.22200 | -.23000 | 1422.00000 |
| .900 | 2.010 | -.02000 | .00000 | -.03000 | .94900 | -.03000 | .03000 | -.21700 | -.22900 | 1422.00000 |
| .900 | 3.010 | -.02000 | .00000 | -.03000 | 1.52600 | -.04000 | .03000 | -.22000 | -.22700 | 1422.00000 |
| .900 | 3.990 | -.02000 | -.01000 | -.04000 | 1.98500 | -.04000 | .03000 | -.21800 | -.23100 | 1422.00000 |
| .898 | 5.000 | -.02000 | .01000 | -.05000 | 2.38200 | -.04000 | .05000 | -.21500 | -.22900 | 1422.00000 |
| .900 | 5.990 | -.02000 | -.02000 | -.05000 | 2.64700 | -.07000 | .02000 | -.21500 | -.22600 | 1422.00000 |
| .900 | 6.980 | -.02000 | -.01000 | -.02000 | 2.80600 | -.03000 | .01000 | -.21400 | -.21800 | 1422.00000 |
| .901 | 7.960 | -.03000 | -.03000 | -.04000 | 2.93500 | -.08000 | .01000 | -.21400 | -.22400 | 1422.00000 |
| .902 | 9.020 | -.01000 | -.01000 | -.03000 | 2.96600 | -.04000 | .02000 | -.21600 | -.22500 | 1422.00000 |
| .898 | 10.050 | -.01000 | -.02000 | -.04000 | 3.00000 | -.05000 | .02000 | -.22000 | -.22900 | 1422.00000 |
| .900 | 12.030 | -.01000 | -.02000 | -.03000 | 2.88900 | -.04000 | .01000 | -.23700 | -.24700 | 1422.00000 |
| .899 | 13.970 | .00000 | -.05000 | -.03000 | 2.72100 | -.07000 | -.02000 | -.25400 | -.27100 | 1422.00000 |
| .898 | 16.020 | .00000 | -.04000 | -.03000 | 2.52900 | -.07000 | -.02000 | -.28600 | -.29500 | 1422.00000 |
| .901 | 18.080 | .01000 | -.06000 | -.02000 | 2.35000 | -.08000 | -.03000 | -.33000 | -.31600 | 1422.00000 |
| .901 | 20.010 | .03000 | -.04000 | -.01000 | 2.18600 | -.05000 | -.03000 | -.36000 | -.36100 | 1422.00000 |
| | GRADIENT | .00296 | .00208 | -.00059 | .59814 | .00178 | .00178 | .00151 | .00000 | .00000 |

RUN NO. 102/ 0 RN/L = 7.88 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .945 | -1.980 | -.02000 | -.06000 | -.03000 | -1.48300 | -.09000 | -.03000 | -.25800 | -.27200 | 1432.00000 |
| .945 | -.010 | -.03000 | -.05000 | -.01000 | -.39000 | -.06000 | -.04000 | -.24500 | -.26300 | 1432.00000 |
| .945 | 1.980 | -.02000 | -.06000 | -.01000 | .79300 | -.07000 | -.04000 | -.25200 | -.27200 | 1432.00000 |
| .945 | 3.140 | -.02000 | -.06000 | -.01000 | 1.40200 | -.06000 | -.05000 | -.25200 | -.25900 | 1432.00000 |
| .947 | 4.140 | -.03000 | -.04000 | -.02000 | 1.84100 | -.06000 | -.03000 | -.25100 | -.26500 | 1432.00000 |
| .949 | 5.140 | -.03000 | -.03000 | -.01000 | 2.18300 | -.04000 | -.02000 | -.25100 | -.25800 | 1432.00000 |
| .947 | 6.150 | -.03000 | -.07000 | -.04000 | 2.47100 | -.11000 | -.03000 | -.25000 | -.25400 | 1432.00000 |
| .947 | 7.030 | -.02000 | -.05000 | -.02000 | 2.64800 | -.07000 | -.04000 | -.24700 | -.26000 | 1432.00000 |
| .947 | 8.170 | -.02000 | -.05000 | -.01000 | 2.77300 | -.06000 | -.04000 | -.24500 | -.25900 | 1432.00000 |
| .948 | 9.060 | .01000 | -.05000 | -.02000 | 2.80700 | -.07000 | -.03000 | -.25000 | -.25700 | 1432.00000 |
| .949 | 10.170 | .00000 | -.06000 | -.01000 | 2.82500 | -.07000 | -.05000 | -.26300 | -.27400 | 1432.00000 |
| .948 | 11.990 | .01000 | -.06000 | -.02000 | 2.74100 | -.08000 | -.04000 | -.27200 | -.29600 | 1432.00000 |
| .948 | 14.020 | .02000 | -.04000 | -.04000 | 2.60200 | -.09000 | .00000 | -.29100 | -.32300 | 1432.00000 |
| .948 | 15.980 | .04000 | -.05000 | -.04000 | 2.43500 | -.09000 | -.01000 | -.32600 | -.35300 | 1432.00000 |
| .951 | 18.030 | .00000 | -.06000 | -.03000 | 2.27600 | -.09000 | -.03000 | -.35100 | -.37300 | 1432.00000 |
| .950 | 20.010 | .01000 | -.05000 | -.04000 | 2.12700 | -.10000 | -.01000 | -.41300 | -.41900 | 1432.00000 |
| | GRADIENT | -.00050 | .00161 | .00172 | .55170 | .00403 | -.00100 | .00054 | .00113 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28066) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 111/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .902 | -1.990 | -.03000 | -9.94000 | .01000 | -2.91000 | -9.93000 | -9.95000 | -.21700 | -.21900 | 1428.00000 |
| .900 | -.030 | -.03000 | -9.94000 | .00000 | -2.09500 | -9.94000 | -9.94000 | -.21000 | -.21700 | 1428.00000 |
| .899 | 1.980 | -.02000 | -9.94000 | -.01000 | -.94900 | -9.95000 | -9.93000 | -.21000 | -.21400 | 1428.00000 |
| .901 | 3.090 | -.02000 | -9.94000 | -.02000 | -.21600 | -9.96000 | -9.92000 | -.21100 | -.21300 | 1428.00000 |
| .900 | 4.040 | -.02000 | -9.95000 | -.02000 | .45200 | -9.97000 | -9.93000 | -.20900 | -.21300 | 1428.00000 |
| .901 | 4.990 | -.02000 | -9.96000 | -.03000 | 1.06400 | -9.99000 | -9.94000 | -.20100 | -.21100 | 1428.00000 |
| .900 | 6.030 | -.02000 | -9.96000 | -.03000 | 1.63300 | -9.99000 | -9.93000 | -.20200 | -.20500 | 1428.00000 |
| .900 | 7.040 | -.03000 | -9.96000 | -.03000 | 2.04700 | -9.99000 | -9.94000 | -.20700 | -.21100 | 1428.00000 |
| .900 | 7.980 | -.03000 | -9.93000 | -.02000 | 2.20600 | -9.95000 | -9.91000 | -.20500 | -.21000 | 1428.00000 |
| .899 | 9.020 | -.01000 | -9.95000 | -.03000 | 2.35400 | -9.99000 | -9.92000 | -.20900 | -.21100 | 1428.00000 |
| .900 | 10.070 | -.01000 | -9.96000 | -.03000 | 2.44200 | -9.99000 | -9.93000 | -.20300 | -.21000 | 1428.00000 |
| .899 | 12.030 | -.01000 | -9.95000 | -.02000 | 2.51600 | -9.98000 | -9.93000 | -.21800 | -.22400 | 1428.00000 |
| .899 | 13.970 | .00000 | -9.95000 | -.01000 | 2.44200 | -9.96000 | -9.95000 | -.23400 | -.23600 | 1428.00000 |
| .899 | 16.010 | .01000 | -9.95000 | -.02000 | 2.32600 | -9.97000 | -9.93000 | -.25800 | -.25600 | 1428.00000 |
| .900 | 17.980 | .01000 | -9.95000 | -.02000 | 2.20600 | -9.97000 | -9.93000 | -.29200 | -.29200 | 1428.00000 |
| .901 | 19.990 | .03000 | -9.94000 | -.02000 | 2.06600 | -9.96000 | -9.91000 | -.33000 | -.32700 | 1428.00000 |
| | GRADIENT | .00176 | -.00232 | -.00557 | .57713 | -.00789 | .00237 | .00162 | .00111 | .00000 |

RUN NO. 103/ 0 RN/L = 7.85 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -1.960 | -.03000 | -9.91000 | .00000 | -2.58700 | -9.91000 | -9.91000 | -.24200 | -.24600 | 1441.00000 |
| .950 | -.030 | -.03000 | -9.91000 | .00000 | -1.87100 | -9.92000 | -9.91000 | -.23900 | -.24800 | 1441.00000 |
| .949 | 2.040 | -.02000 | -9.92000 | .00000 | -.76900 | -9.92000 | -9.91000 | -.23100 | -.24100 | 1441.00000 |
| .951 | 3.090 | -.02000 | -9.93000 | .01000 | -.12000 | -9.92000 | -9.94000 | -.22000 | -.22700 | 1441.00000 |
| .950 | 4.020 | -.02000 | -9.94000 | .01000 | .40300 | -9.93000 | -9.95000 | -.22000 | -.23800 | 1441.00000 |
| .949 | 5.010 | -.03000 | -9.93000 | .01000 | .94800 | -9.93000 | -9.94000 | -.23300 | -.23700 | 1441.00000 |
| .950 | 6.020 | -.03000 | -9.93000 | .01000 | 1.39900 | -9.92000 | -9.95000 | -.23600 | -.25200 | 1441.00000 |
| .948 | 7.030 | -.03000 | -9.94000 | .02000 | 1.78500 | -9.92000 | -9.96000 | -.23500 | -.24300 | 1441.00000 |
| .950 | 8.020 | -.03000 | -9.93000 | .03000 | 1.99200 | -9.90000 | -9.96000 | -.23200 | -.23600 | 1441.00000 |
| .949 | 9.020 | .00000 | -9.94000 | .04000 | 2.18300 | -9.90000 | -9.98000 | -.22600 | -.23600 | 1441.00000 |
| .949 | 10.080 | .00000 | -9.95000 | .05000 | 2.33800 | -9.90000 | -10.00000 | -.23600 | -.23100 | 1441.00000 |
| .951 | 12.040 | .01000 | -9.93000 | .00000 | 2.43000 | -9.93000 | -9.93000 | -.25700 | -.25900 | 1441.00000 |
| .949 | 14.030 | .02000 | -9.95000 | -.01000 | 2.39500 | -9.96000 | -9.94000 | -.28100 | -.30100 | 1441.00000 |
| .949 | 16.010 | .04000 | -9.92000 | -.04000 | 2.30900 | -9.95000 | -9.88000 | -.31800 | -.32600 | 1441.00000 |
| .947 | 17.950 | .04000 | -9.91000 | .00000 | 2.20900 | -9.91000 | -9.91000 | -.32200 | -.36200 | 1441.00000 |
| .950 | 19.970 | .01000 | -9.95000 | .02000 | 2.07600 | -9.93000 | -9.96000 | -.37500 | -.39300 | 1441.00000 |
| | GRADIENT | .00207 | -.00498 | .00181 | .50670 | -.00255 | -.00653 | .00408 | .00248 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B067) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 112/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.940 | 4.20000 | -9.90000 | .00000 | -2.93700 | -9.90000 | -9.89000 | -.24400 | -.23800 | 1424.00000 |
| .901 | .030 | 4.19000 | -9.91000 | .01000 | -2.09900 | -9.91000 | -9.92000 | -.24600 | -.23100 | 1424.00000 |
| .900 | 2.010 | 4.19000 | -9.93000 | .02000 | -.98700 | -9.91000 | -9.95000 | -.24000 | -.23800 | 1424.00000 |
| .901 | 3.060 | 4.19000 | -9.90000 | -.01000 | -.27100 | -9.92000 | -9.89000 | -.24000 | -.23000 | 1424.00000 |
| .899 | 4.060 | 4.20000 | -9.91000 | -.01000 | .42400 | -9.92000 | -9.90000 | -.23600 | -.22700 | 1424.00000 |
| .899 | 5.020 | 4.20000 | -9.90000 | -.03000 | 1.04300 | -9.93000 | -9.88000 | -.23000 | -.22300 | 1424.00000 |
| .901 | 6.030 | 4.22000 | -9.92000 | -.01000 | 1.56400 | -9.93000 | -9.91000 | -.23100 | -.21900 | 1424.00000 |
| .899 | 7.050 | 4.22000 | -9.94000 | .00000 | 1.95000 | -9.94000 | -9.93000 | -.23000 | -.22600 | 1424.00000 |
| .898 | 8.000 | 4.26000 | -9.94000 | .01000 | 2.22100 | -9.94000 | -9.95000 | -.24200 | -.23100 | 1424.00000 |
| .898 | 9.060 | 4.27000 | -9.94000 | .00000 | 2.38600 | -9.94000 | -9.94000 | -.23200 | -.22300 | 1424.00000 |
| .900 | 10.020 | 4.27000 | -9.93000 | -.01000 | 2.45800 | -9.94000 | -9.92000 | -.24100 | -.22500 | 1424.00000 |
| .900 | 12.080 | 4.32000 | -9.95000 | -.01000 | 2.53300 | -9.95000 | -9.94000 | -.24500 | -.24000 | 1424.00000 |
| .899 | 14.090 | 4.35000 | -9.94000 | -.01000 | 2.44000 | -9.95000 | -9.94000 | -.26400 | -.25500 | 1424.00000 |
| .900 | 16.120 | 4.37000 | -9.96000 | -.01000 | 2.33400 | -9.96000 | -9.95000 | -.27800 | -.26300 | 1424.00000 |
| .900 | 18.060 | 4.41000 | -9.95000 | -.01000 | 2.22900 | -9.96000 | -9.94000 | -.29500 | -.27400 | 1424.00000 |
| .899 | 20.050 | 4.42000 | -9.96000 | .00000 | 2.08500 | -9.96000 | -9.96000 | -.32900 | -.32400 | 1424.00000 |
| | GRADIENT | -.00033 | -.00125 | -.00194 | .56055 | -.00328 | -.00076 | .00140 | .00137 | .00000 |

RUN NO. 104/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.940 | 4.21000 | -9.88000 | -.03000 | -2.58200 | -9.91000 | -9.85000 | -.28500 | -.27000 | 1466.00000 |
| .950 | .050 | 4.20000 | -9.90000 | -.03000 | -1.80500 | -9.92000 | -9.87000 | -.28000 | -.26200 | 1466.00000 |
| .950 | 2.050 | 4.20000 | -9.93000 | -.02000 | -.75600 | -9.95000 | -9.92000 | -.28000 | -.26200 | 1466.00000 |
| .949 | 3.070 | 4.18000 | -9.94000 | -.02000 | -.16400 | -9.96000 | -9.92000 | -.27900 | -.27300 | 1466.00000 |
| .950 | 4.020 | 4.20000 | -9.96000 | .00000 | .37600 | -9.96000 | -9.96000 | -.27200 | -.26200 | 1466.00000 |
| .948 | 5.060 | 4.20000 | -9.98000 | .01000 | .92700 | -9.97000 | -9.99000 | -.27800 | -.26200 | 1466.00000 |
| .949 | 6.040 | 4.21000 | -9.96000 | -.02000 | 1.37100 | -9.98000 | -9.94000 | -.27700 | -.26300 | 1466.00000 |
| .950 | 7.020 | 4.21000 | -9.96000 | -.02000 | 1.71300 | -9.99000 | -9.94000 | -.27800 | -.26000 | 1466.00000 |
| .952 | 8.060 | 4.23000 | -9.95000 | -.01000 | 1.97000 | -9.96000 | -9.94000 | -.26400 | -.25800 | 1466.00000 |
| .948 | 9.030 | 4.25000 | -9.96000 | .01000 | 2.19000 | -9.95000 | -9.98000 | -.27600 | -.25500 | 1466.00000 |
| .949 | 10.040 | 4.25000 | -9.93000 | -.02000 | 2.34100 | -9.96000 | -9.91000 | -.27800 | -.25500 | 1466.00000 |
| .950 | 12.070 | 4.27000 | -9.96000 | .02000 | 2.45100 | -9.95000 | -9.98000 | -.30300 | -.27700 | 1466.00000 |
| .948 | 14.060 | 4.29000 | -9.94000 | -.01000 | 2.40900 | -9.95000 | -9.94000 | -.30700 | -.29700 | 1466.00000 |
| .949 | 16.090 | 4.30000 | -9.96000 | .02000 | 2.30800 | -9.94000 | -9.98000 | -.34100 | -.33800 | 1466.00000 |
| .949 | 18.070 | 4.30000 | -9.95000 | .01000 | 2.19400 | -9.95000 | -9.96000 | -.35800 | -.35400 | 1466.00000 |
| .951 | 20.040 | 4.37000 | -9.96000 | .02000 | 2.06600 | -9.94000 | -9.97000 | -.40600 | -.39400 | 1466.00000 |
| | GRADIENT | -.00288 | -.01323 | .00431 | .50027 | -.00953 | -.01780 | .00170 | .00040 | -.00001 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28068) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 108/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.230 | 14.99000 | .00000 | -.04000 | 2.57000 | -.04000 | .04000 | -.32800 | -.32900 | 1470.00000 |
| .953 | -4.170 | 15.06000 | .00000 | -.03000 | 2.51900 | -.03000 | .03000 | -.31400 | -.31400 | 1470.00000 |
| .951 | -3.120 | 15.03000 | -.02000 | -.04000 | 2.53600 | -.05000 | .02000 | -.31000 | -.33000 | 1470.00000 |
| .949 | -2.080 | 15.02000 | -.01000 | -.04000 | 2.52500 | -.05000 | .03000 | -.31600 | -.33900 | 1470.00000 |
| .949 | -1.030 | 15.03000 | -.01000 | -.03000 | 2.50700 | -.05000 | .02000 | -.30400 | -.33100 | 1470.00000 |
| .950 | .030 | 15.03000 | -.01000 | -.04000 | 2.50000 | -.06000 | .03000 | -.31000 | -.34000 | 1470.00000 |
| .951 | 1.060 | 15.03000 | -.01000 | -.05000 | 2.50000 | -.06000 | .04000 | -.32500 | -.35200 | 1470.00000 |
| .950 | 2.120 | 15.02000 | .00000 | -.06000 | 2.50600 | -.05000 | .06000 | -.34500 | -.34800 | 1470.00000 |
| .949 | 3.180 | 15.02000 | .01000 | -.06000 | 2.51100 | -.05000 | .07000 | -.34000 | -.35300 | 1470.00000 |
| .950 | 4.170 | 15.04000 | .00000 | -.05000 | 2.51100 | -.04000 | .05000 | -.35300 | -.34800 | 1470.00000 |
| .951 | 6.300 | 15.02000 | .00000 | -.04000 | 2.51200 | -.04000 | .04000 | -.36200 | -.35000 | 1470.00000 |
| .950 | 8.420 | 15.05000 | .01000 | -.04000 | 2.53500 | -.03000 | .05000 | -.35200 | -.36200 | 1470.00000 |
| | GRADIENT | -.00176 | .00176 | -.00319 | -.00243 | -.00080 | .00495 | -.00517 | -.00389 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B069) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 109/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.230 | 15.02000 | -.01000 | -.02000 | 2.56300 | -.04000 | .01000 | -.33900 | -.33200 | 1474.00000 |
| .949 | -4.160 | 15.02000 | -.02000 | -.01000 | 2.54800 | -.03000 | .00000 | -.31800 | -.32800 | 1474.00000 |
| .951 | -3.190 | 15.01000 | -.01000 | -.03000 | 2.53500 | -.04000 | .01000 | -.30500 | -.32100 | 1474.00000 |
| .950 | -2.150 | 15.01000 | -.01000 | -.04000 | 2.51200 | -.05000 | .02000 | -.30400 | -.32500 | 1474.00000 |
| .952 | -1.100 | 15.03000 | -.02000 | -.04000 | 2.50700 | -.05000 | .02000 | -.29900 | -.32500 | 1474.00000 |
| .953 | -.040 | 15.07000 | -.02000 | -.05000 | 2.49100 | -.06000 | .03000 | -.31100 | -.32700 | 1474.00000 |
| .950 | 1.010 | 15.07000 | -.03000 | -.03000 | 2.50200 | -.06000 | .00000 | -.32100 | -.33000 | 1474.00000 |
| .953 | 2.090 | 15.09000 | -.05000 | -.02000 | 2.49400 | -.07000 | -.03000 | -.34300 | -.33300 | 1474.00000 |
| .951 | 3.150 | 15.08000 | -.03000 | -.03000 | 2.50400 | -.06000 | .00000 | -.35400 | -.35200 | 1474.00000 |
| .952 | 4.230 | 15.09000 | -.04000 | -.03000 | 2.49800 | -.06000 | -.01000 | -.34600 | -.35300 | 1474.00000 |
| .952 | 6.350 | 15.07000 | -.03000 | -.04000 | 2.49700 | -.06000 | .01000 | -.34800 | -.34200 | 1474.00000 |
| .951 | 8.420 | 15.07000 | -.02000 | -.03000 | 2.52500 | -.04000 | .01000 | -.34800 | -.35000 | 1474.00000 |
| | GRADIENT | .01094 | -.00366 | -.00044 | -.00525 | -.00362 | -.00304 | -.00572 | -.00341 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B070) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 105/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.310 | 5.07000 | -.04000 | -.02000 | 2.11600 | -.06000 | -.02000 | -.27400 | -.27900 | 1473.00000 |
| .951 | -4.240 | 5.02000 | -.03000 | -.06000 | 2.16100 | -.09000 | .03000 | -.26100 | -.27400 | 1473.00000 |
| .949 | -3.190 | 5.01000 | -.04000 | -.08000 | 2.17100 | -.13000 | .04000 | -.25500 | -.26600 | 1473.00000 |
| .951 | -2.140 | 5.01000 | -.04000 | -.08000 | 2.16000 | -.11000 | .04000 | -.25300 | -.26100 | 1473.00000 |
| .952 | -1.090 | 4.99000 | -.03000 | -.09000 | 2.13100 | -.12000 | .06000 | -.25500 | -.26600 | 1473.00000 |
| .949 | -.010 | 4.98000 | -.03000 | -.09000 | 2.12700 | -.12000 | .06000 | -.25700 | -.27700 | 1473.00000 |
| .949 | 1.000 | 5.02000 | -.04000 | -.08000 | 2.13300 | -.12000 | .04000 | -.25500 | -.26600 | 1473.00000 |
| .953 | 2.070 | 5.01000 | -.04000 | -.07000 | 2.08100 | -.11000 | .03000 | -.26400 | -.26800 | 1473.00000 |
| .951 | 3.100 | 5.00000 | -.04000 | -.08000 | 2.08200 | -.12000 | .04000 | -.27900 | -.27000 | 1473.00000 |
| .951 | 4.150 | 4.99000 | -.03000 | -.07000 | 2.03100 | -.11000 | .04000 | -.29000 | -.28600 | 1473.00000 |
| .951 | 6.240 | 4.98000 | -.06000 | -.06000 | 1.90200 | -.12000 | .01000 | -.31300 | -.29900 | 1473.00000 |
| .950 | 8.350 | 4.99000 | -.04000 | -.06000 | 1.86200 | -.10000 | .03000 | -.35900 | -.31700 | 1473.00000 |
| | GRADIENT | -.00192 | -.00016 | -.00016 | -.01498 | -.00080 | .00001 | -.00333 | -.00118 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B071) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 12.500 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 106/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.200 | 12.52000 | -.01000 | -.08000 | 2.73400 | -.03000 | .06000 | -.30600 | -.30600 | 1470.00000 |
| .952 | -4.140 | 12.54000 | -.02000 | -.05000 | 2.72200 | -.06000 | .03000 | -.27600 | -.28000 | 1470.00000 |
| .950 | -3.120 | 12.53000 | .02000 | -.04000 | 2.73000 | -.03000 | .06000 | -.26800 | -.29400 | 1470.00000 |
| .951 | -2.080 | 12.52000 | .01000 | -.05000 | 2.72500 | -.04000 | .06000 | -.27100 | -.30100 | 1470.00000 |
| .949 | -1.040 | 12.53000 | .02000 | -.04000 | 2.71600 | -.03000 | .06000 | -.26500 | -.29200 | 1470.00000 |
| .952 | .020 | 12.54000 | .02000 | -.05000 | 2.70200 | -.03000 | .07000 | -.27900 | -.30300 | 1470.00000 |
| .949 | 1.030 | 12.50000 | .02000 | -.03000 | 2.71100 | -.01000 | .05000 | -.29200 | -.31300 | 1470.00000 |
| .949 | 2.120 | 12.54000 | .02000 | -.04000 | 2.70600 | -.02000 | .05000 | -.31200 | -.30100 | 1470.00000 |
| .950 | 3.150 | 12.54000 | .02000 | -.05000 | 2.71100 | -.03000 | .08000 | -.32200 | -.32100 | 1470.00000 |
| .952 | 4.220 | 12.55000 | -.02000 | -.02000 | 2.70100 | -.03000 | .00000 | -.31300 | -.31600 | 1470.00000 |
| .948 | 6.290 | 12.53000 | -.01000 | -.05000 | 2.67500 | -.06000 | .05000 | -.32000 | -.31100 | 1470.00000 |
| .952 | 8.380 | 12.56000 | -.02000 | -.05000 | 2.66200 | -.07000 | .03000 | -.35500 | -.33100 | 1470.00000 |
| | GRADIENT | .00130 | .00029 | .00191 | -.00294 | .00285 | -.00146 | -.00667 | -.00391 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B072) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 12.500 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 107/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -6.270 | 12.53000 | -.03000 | -.02000 | 2.74900 | -.04000 | -.01000 | -.29400 | -.29600 | 1475.00000 |
| .949 | -4.190 | 12.50000 | -.03000 | -.05000 | 2.75100 | -.08000 | .02000 | -.28200 | -.29600 | 1475.00000 |
| .951 | -3.160 | 12.51000 | .00000 | -.04000 | 2.72900 | -.04000 | .04000 | -.27400 | -.28700 | 1475.00000 |
| .950 | -2.120 | 12.50000 | .00000 | -.05000 | 2.72800 | -.04000 | .05000 | -.26800 | -.28900 | 1475.00000 |
| .950 | -1.090 | 12.51000 | .01000 | -.05000 | 2.71800 | -.04000 | .05000 | -.27500 | -.30400 | 1475.00000 |
| .951 | -.040 | 12.56000 | -.03000 | -.02000 | 2.71100 | -.05000 | -.01000 | -.28400 | -.29800 | 1475.00000 |
| .951 | 1.010 | 12.58000 | .01000 | -.05000 | 2.70400 | -.04000 | .05000 | -.28100 | -.30600 | 1475.00000 |
| .953 | 2.080 | 12.60000 | -.03000 | -.02000 | 2.69500 | -.05000 | -.01000 | -.29700 | -.30800 | 1475.00000 |
| .950 | 3.150 | 12.59000 | -.03000 | -.02000 | 2.71100 | -.05000 | .00000 | -.29600 | -.30500 | 1475.00000 |
| .948 | 4.220 | 12.57000 | .00000 | -.05000 | 2.71100 | -.05000 | .05000 | -.31100 | -.28900 | 1475.00000 |
| .951 | 6.340 | 12.54000 | -.04000 | -.03000 | 2.67600 | -.07000 | -.01000 | -.33800 | -.32500 | 1475.00000 |
| .952 | 8.390 | 12.56000 | -.01000 | -.05000 | 2.66800 | -.07000 | .04000 | -.34800 | -.33100 | 1475.00000 |
| | GRADIENT | .01251 | -.00049 | .00190 | -.00464 | .00109 | -.00190 | -.00392 | -.00104 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B073) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 113/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.300 | 14.97000 | -9.95000 | -.02000 | 2.44500 | -9.98000 | -9.93000 | -.25000 | -.24900 | 1423.00000 |
| .900 | -4.220 | 15.01000 | -9.95000 | -.01000 | 2.41300 | -9.96000 | -9.94000 | -.24200 | -.24500 | 1423.00000 |
| .902 | -3.160 | 14.99000 | -9.95000 | .00000 | 2.40800 | -9.95000 | -9.95000 | -.24100 | -.25500 | 1423.00000 |
| .900 | -2.110 | 14.96000 | -9.94000 | -.01000 | 2.40100 | -9.96000 | -9.93000 | -.23900 | -.24300 | 1423.00000 |
| .900 | -1.060 | 15.02000 | -9.94000 | -.01000 | 2.38900 | -9.95000 | -9.93000 | -.24000 | -.24800 | 1423.00000 |
| .901 | .020 | 15.02000 | -9.95000 | .00000 | 2.38100 | -9.95000 | -9.95000 | -.24600 | -.24600 | 1423.00000 |
| .897 | 1.050 | 14.98000 | -9.94000 | -.03000 | 2.38600 | -9.96000 | -9.91000 | -.25200 | -.25700 | 1423.00000 |
| .899 | 2.110 | 15.00000 | -9.94000 | .00000 | 2.38200 | -9.95000 | -9.94000 | -.26600 | -.24700 | 1423.00000 |
| .899 | 3.170 | 14.98000 | -9.95000 | .01000 | 2.39100 | -9.94000 | -9.95000 | -.26800 | -.25200 | 1423.00000 |
| .901 | 4.240 | 14.98000 | -9.94000 | .00000 | 2.39100 | -9.94000 | -9.94000 | -.27800 | -.25400 | 1423.00000 |
| .900 | 6.350 | 14.98000 | -9.93000 | -.02000 | 2.39000 | -9.95000 | -9.92000 | -.28300 | -.25900 | 1423.00000 |
| .900 | 8.510 | 15.00000 | -9.93000 | -.02000 | 2.41400 | -9.95000 | -9.91000 | -.28200 | -.26200 | 1423.00000 |
| | GRADIENT | -.00173 | .00063 | .00111 | -.00284 | .00190 | -.00001 | -.00459 | -.00069 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B074) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 114/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.300 | 14.97000 | -9.95000 | -.01000 | 2.44900 | -9.96000 | -9.94000 | -.25200 | -.24200 | 1426.00000 |
| .902 | -4.210 | 14.98000 | -9.94000 | -.01000 | 2.41100 | -9.95000 | -9.93000 | -.24700 | -.24700 | 1426.00000 |
| .899 | -3.160 | 14.97000 | -9.93000 | -.01000 | 2.40800 | -9.94000 | -9.92000 | -.23700 | -.24100 | 1426.00000 |
| .901 | -2.110 | 14.98000 | -9.94000 | -.01000 | 2.39800 | -9.95000 | -9.92000 | -.23900 | -.24300 | 1426.00000 |
| .901 | -1.060 | 15.00000 | -9.93000 | -.01000 | 2.39200 | -9.94000 | -9.92000 | -.24500 | -.24500 | 1426.00000 |
| .902 | .020 | 15.04000 | -9.94000 | .01000 | 2.37900 | -9.94000 | -9.95000 | -.23900 | -.23800 | 1426.00000 |
| .900 | 1.070 | 15.03000 | -9.94000 | -.01000 | 2.38300 | -9.95000 | -9.92000 | -.25600 | -.24800 | 1426.00000 |
| .899 | 2.120 | 15.01000 | -9.95000 | .01000 | 2.38100 | -9.94000 | -9.96000 | -.25700 | -.25000 | 1426.00000 |
| .900 | 3.220 | 15.03000 | -9.94000 | .00000 | 2.38700 | -9.95000 | -9.94000 | -.26600 | -.25300 | 1426.00000 |
| .900 | 4.290 | 15.01000 | -9.94000 | .00000 | 2.38700 | -9.94000 | -9.95000 | -.27200 | -.25200 | 1426.00000 |
| .900 | 6.490 | 15.01000 | -9.93000 | -.02000 | 2.38600 | -9.95000 | -9.91000 | -.28600 | -.25700 | 1426.00000 |
| .901 | 8.510 | 15.00000 | -9.92000 | -.02000 | 2.42100 | -9.95000 | -9.90000 | -.29700 | -.25900 | 1426.00000 |
| | GRADIENT | .00611 | -.00094 | .00172 | -.00316 | .00031 | -.00345 | -.00368 | -.00115 | -.00000 |

LA77 TABULATED SOURCE DATA

ARC 200-1 11(LA77) OV101

(A28075) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8000 IN.
BREF = 936.7000 IN.
SCALE = .0150

XMRP = 1076.7000 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000
AILRON = .000
RUDDER = -5.000
RN/L = 7.000

ELEVON = .000
SPDBRK = 25.000
BDFLAP = .000

RUN NO. 97/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -1.900 | -.05000 | .02000 | .01000 | -1.09000 | .03000 | .01000 | -.37200 | -.37800 | 1341.00000 |
| 1.046 | -.010 | -.03000 | .02000 | .01000 | -.28800 | .03000 | .01000 | -.35600 | -.36900 | 1341.00000 |
| 1.046 | 2.020 | -.03000 | .04000 | -.01000 | .61700 | .03000 | .05000 | -.35200 | -.36900 | 1341.00000 |
| 1.047 | 3.030 | -.03000 | .04000 | -.02000 | 1.00900 | .03000 | .06000 | -.35300 | -.37300 | 1341.00000 |
| 1.046 | 4.040 | -.03000 | .02000 | -.01000 | 1.34900 | .00000 | .03000 | -.35800 | -.37600 | 1341.00000 |
| 1.047 | 5.000 | -.03000 | .03000 | -.01000 | 1.62800 | .02000 | .04000 | -.36000 | -.37500 | 1341.00000 |
| 1.048 | 6.000 | -.03000 | .01000 | .01000 | 1.85900 | .02000 | .00000 | -.36000 | -.37800 | 1341.00000 |
| 1.047 | 7.020 | -.03000 | .02000 | -.01000 | 2.03300 | .00000 | .03000 | -.36200 | -.38000 | 1341.00000 |
| 1.046 | 8.000 | -.04000 | .00000 | -.01000 | 2.15800 | -.01000 | .02000 | -.37000 | -.38900 | 1341.00000 |
| 1.046 | 8.990 | -.02000 | .02000 | .00000 | 2.23800 | .01000 | .02000 | -.37100 | -.39300 | 1341.00000 |
| 1.046 | 9.960 | -.02000 | -.02000 | .00000 | 2.29700 | -.01000 | -.02000 | -.37300 | -.39700 | 1341.00000 |
| 1.047 | 12.000 | -.02000 | -.01000 | -.02000 | 2.32500 | -.02000 | .01000 | -.38700 | -.40900 | 1341.00000 |
| 1.047 | 14.030 | -.02000 | .00000 | -.03000 | 2.25900 | -.03000 | .03000 | -.41000 | -.43200 | 1341.00000 |
| 1.045 | 15.920 | -.02000 | -.01000 | -.02000 | 2.17000 | -.02000 | .01000 | -.44500 | -.46000 | 1341.00000 |
| 1.046 | 17.930 | -.02000 | .00000 | -.02000 | 2.09800 | -.03000 | .02000 | -.47900 | -.48200 | 1341.00000 |
| 1.046 | 19.980 | .00000 | .01000 | -.04000 | 1.98400 | -.03000 | .06000 | -.51000 | -.50500 | 1341.00000 |
| | GRADIENT | .00235 | .00148 | -.00387 | .40101 | -.00269 | .00535 | .00149 | -.00002 | .00000 |

ARC 200-1 11(LA77) OV101 (A28076) ( 27 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPOBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 98/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -2.090 | -.05000 | -9.94000 | .02000 | -1.86800 | -9.92000 | -9.95000 | -.37500 | -.34700 | 1343.00000 |
| 1.046 | .010 | -.04000 | -9.92000 | .05000 | -1.13800 | -9.87000 | -9.97000 | -.36500 | -.34400 | 1343.00000 |
| 1.047 | 1.990 | -.03000 | -9.93000 | .02000 | -.29100 | -9.92000 | -9.95000 | -.36300 | -.34500 | 1343.00000 |
| 1.045 | 3.020 | -.03000 | -9.93000 | .01000 | .12600 | -9.92000 | -9.95000 | -.36500 | -.35000 | 1343.00000 |
| 1.046 | 4.020 | -.03000 | -9.94000 | .00000 | .53200 | -9.93000 | -9.94000 | -.36400 | -.35300 | 1343.00000 |
| 1.047 | 5.040 | -.03000 | -9.95000 | .00000 | .89200 | -9.94000 | -9.95000 | -.36500 | -.35600 | 1343.00000 |
| 1.046 | 6.030 | -.03000 | -9.96000 | .01000 | 1.19600 | -9.95000 | -9.96000 | -.37100 | -.36200 | 1343.00000 |
| 1.046 | 6.980 | -.03000 | -9.92000 | .00000 | 1.43500 | -9.93000 | -9.92000 | -.37900 | -.36700 | 1343.00000 |
| 1.045 | 7.980 | -.04000 | -9.92000 | -.01000 | 1.63400 | -9.93000 | -9.91000 | -.38700 | -.37800 | 1343.00000 |
| 1.047 | 8.980 | -.01000 | -9.93000 | .00000 | 1.79100 | -9.93000 | -9.92000 | -.38900 | -.38200 | 1343.00000 |
| 1.048 | 9.980 | -.01000 | -9.93000 | .00000 | 1.92100 | -9.93000 | -9.94000 | -.39000 | -.38700 | 1343.00000 |
| 1.048 | 12.010 | -.02000 | -9.92000 | -.01000 | 2.05800 | -9.93000 | -9.92000 | -.40700 | -.40800 | 1343.00000 |
| 1.048 | 13.010 | -.01000 | -9.92000 | .00000 | 2.08700 | -9.92000 | -9.92000 | -.40800 | -.41600 | 1343.00000 |
| 1.048 | 14.010 | -.01000 | -9.92000 | .00000 | 2.09200 | -9.92000 | -9.91000 | -.40900 | -.42200 | 1343.00000 |
| 1.047 | 16.020 | -.01000 | -9.92000 | -.01000 | 2.06900 | -9.93000 | -9.91000 | -.43500 | -.44300 | 1343.00000 |
| 1.048 | 18.010 | -.01000 | -9.90000 | .00000 | 2.02200 | -9.90000 | -9.91000 | -.46400 | -.45400 | 1343.00000 |
| 1.043 | 19.990 | .01000 | -9.90000 | -.02000 | 1.95300 | -9.92000 | -9.88000 | -.49500 | -.48100 | 1343.00000 |
| | GRADIENT | .00348 | -.00022 | -.00461 | .39673 | -.00398 | .00225 | .00161 | -.00099 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B077) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 99/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.950 | 4.19000 | -9.92000 | .00000 | -1.81600 | -9.93000 | -9.92000 | -.42300 | -.38300 | 1338.00000 |
| 1.047 | .050 | 4.19000 | -9.94000 | .01000 | -1.14000 | -9.93000 | -9.95000 | -.41400 | -.37800 | 1338.00000 |
| 1.047 | .360 | 4.18000 | -9.94000 | .01000 | -1.00900 | -9.93000 | -9.95000 | -.41400 | -.37800 | 1338.00000 |
| 1.049 | 2.010 | 4.18000 | -9.95000 | .02000 | -.31800 | -9.94000 | -9.97000 | -.40800 | -.37700 | 1338.00000 |
| 1.047 | 3.040 | 4.18000 | -9.95000 | .00000 | .11000 | -9.95000 | -9.95000 | -.40900 | -.38000 | 1338.00000 |
| 1.047 | 4.020 | 4.18000 | -9.96000 | -.01000 | .48900 | -9.97000 | -9.95000 | -.41400 | -.38200 | 1338.00000 |
| 1.046 | 5.350 | 4.19000 | -9.97000 | -.01000 | .92100 | -9.98000 | -9.96000 | -.42100 | -.39100 | 1338.00000 |
| 1.047 | 6.340 | 4.20000 | -9.95000 | .03000 | 1.19400 | -9.92000 | -9.98000 | -.42700 | -.39500 | 1338.00000 |
| 1.047 | 7.290 | 4.20000 | -9.93000 | .00000 | 1.42000 | -9.93000 | -9.93000 | -.43600 | -.40400 | 1338.00000 |
| 1.046 | 8.320 | 4.23000 | -9.95000 | .02000 | 1.61500 | -9.93000 | -9.97000 | -.44300 | -.41500 | 1338.00000 |
| 1.046 | 9.340 | 4.23000 | -9.98000 | .03000 | 1.77100 | -9.95000 | -10.01000 | -.44800 | -.42100 | 1338.00000 |
| 1.047 | 10.420 | 4.25000 | -9.97000 | -.01000 | 1.90100 | -9.98000 | -9.97000 | -.45000 | -.42800 | 1338.00000 |
| 1.047 | 12.430 | 4.28000 | -9.97000 | -.01000 | 2.02100 | -9.98000 | -9.95000 | -.45600 | -.44000 | 1338.00000 |
| 1.046 | 14.370 | 4.29000 | -9.93000 | .01000 | 2.06300 | -9.93000 | -9.94000 | -.45700 | -.44800 | 1338.00000 |
| 1.045 | 16.410 | 4.31000 | -9.93000 | .01000 | 2.05700 | -9.92000 | -9.95000 | -.46100 | -.45200 | 1338.00000 |
| 1.046 | 18.350 | 4.33000 | -9.94000 | .01000 | 2.01000 | -9.92000 | -9.95000 | -.46200 | -.46000 | 1338.00000 |
| 1.047 | 20.310 | 4.36000 | -9.94000 | .03000 | 1.92000 | -9.91000 | -9.97000 | -.48400 | -.48100 | 1338.00000 |
| | GRADIENT | -.00184 | -.00605 | -.00140 | .39309 | -.00643 | -.00415 | .00177 | .00009 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B078) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 100/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -6.270 | 15.46000 | -.01000 | -.02000 | 2.24500 | -.03000 | .02000 | -.45900 | -.45500 | 1337.00000 |
| 1.048 | -4.200 | 15.45000 | -.04000 | .00000 | 2.23700 | -.04000 | -.04000 | -.43700 | -.44300 | 1337.00000 |
| 1.047 | -3.160 | 15.46000 | -.08000 | -.02000 | 2.22600 | -.10000 | -.05000 | -.43500 | -.44500 | 1337.00000 |
| 1.048 | -2.100 | 15.46000 | -.05000 | -.02000 | 2.22500 | -.07000 | -.03000 | -.43100 | -.44600 | 1337.00000 |
| 1.046 | -1.030 | 15.47000 | -.06000 | -.02000 | 2.21900 | -.08000 | -.04000 | -.43300 | -.45000 | 1337.00000 |
| 1.048 | .050 | 15.47000 | -.06000 | -.02000 | 2.20900 | -.08000 | -.04000 | -.43200 | -.44800 | 1337.00000 |
| 1.047 | 1.110 | 15.43000 | -.06000 | -.02000 | 2.20600 | -.08000 | -.04000 | -.43300 | -.44900 | 1337.00000 |
| 1.048 | 2.180 | 15.41000 | -.05000 | -.02000 | 2.21200 | -.07000 | -.04000 | -.44100 | -.45400 | 1337.00000 |
| 1.045 | 3.240 | 15.39000 | -.05000 | -.02000 | 2.20400 | -.07000 | -.03000 | -.45600 | -.46100 | 1337.00000 |
| 1.048 | 4.290 | 15.37000 | -.04000 | -.02000 | 2.22000 | -.06000 | -.02000 | -.45800 | -.46100 | 1337.00000 |
| 1.047 | 6.390 | 15.31000 | -.04000 | -.04000 | 2.21000 | -.08000 | .00000 | -.47000 | -.46900 | 1337.00000 |
| 1.046 | 8.460 | 15.28000 | -.06000 | -.03000 | 2.20500 | -.09000 | -.03000 | -.50200 | -.48500 | 1337.00000 |
| | GRADIENT | -.01049 | .00141 | -.00125 | -.00271 | .00017 | .00188 | -.00262 | -.00211 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A28079) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 101/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -6.270 | 15.45000 | -.06000 | .01000 | 2.24300 | -.06000 | -.07000 | -.45800 | -.45500 | 1336.00000 |
| 1.048 | -4.180 | 15.44000 | -.05000 | .00000 | 2.23500 | -.05000 | -.05000 | -.43800 | -.44200 | 1336.00000 |
| 1.048 | -3.160 | 15.47000 | -.06000 | -.01000 | 2.22900 | -.07000 | -.05000 | -.43500 | -.44500 | 1336.00000 |
| 1.047 | -2.080 | 15.45000 | -.06000 | -.02000 | 2.22800 | -.08000 | -.03000 | -.43300 | -.44700 | 1336.00000 |
| 1.047 | -1.020 | 15.46000 | -.08000 | -.04000 | 2.22000 | -.12000 | -.04000 | -.43100 | -.44700 | 1336.00000 |
| 1.046 | .040 | 15.47000 | -.08000 | -.04000 | 2.21100 | -.12000 | -.05000 | -.43200 | -.45100 | 1336.00000 |
| 1.049 | 1.100 | 15.47000 | -.06000 | -.06000 | 2.21300 | -.12000 | .00000 | -.43200 | -.45000 | 1336.00000 |
| 1.048 | 2.170 | 15.45000 | -.06000 | -.04000 | 2.21100 | -.10000 | -.02000 | -.43800 | -.45400 | 1336.00000 |
| 1.047 | 3.240 | 15.44000 | -.05000 | -.04000 | 2.21300 | -.09000 | -.01000 | -.45400 | -.45800 | 1336.00000 |
| 1.048 | 4.300 | 15.41000 | -.09000 | .01000 | 2.21900 | -.08000 | -.10000 | -.45900 | -.45800 | 1336.00000 |
| 1.047 | 6.400 | 15.35000 | -.07000 | -.01000 | 2.20900 | -.08000 | -.06000 | -.47200 | -.46900 | 1336.00000 |
| 1.046 | 8.460 | 15.29000 | -.07000 | -.02000 | 2.20500 | -.09000 | -.04000 | -.49700 | -.48200 | 1336.00000 |
| | GRADIENT | -.00316 | -.00172 | -.00171 | -.00240 | -.00343 | -.00032 | -.00239 | -.00188 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B080) ( 17 SEP 78 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 147/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.950 | -.02000 | -.03000 | -.04000 | -1.64200 | -.06000 | .01000 | -.25600 | -.25700 | 885.70000 |
| .600 | -.010 | -.01000 | -.02000 | -.04000 | -.69700 | -.06000 | .01000 | -.24800 | -.25000 | 885.70000 |
| .600 | 2.030 | -.01000 | -.02000 | -.04000 | .37000 | -.06000 | .01000 | -.24400 | -.23800 | 885.70000 |
| .599 | 4.020 | -.01000 | -.02000 | -.04000 | 1.45100 | -.06000 | .01000 | -.23600 | -.23500 | 885.70000 |
| .600 | 6.020 | -.02000 | -.03000 | -.04000 | 2.44300 | -.07000 | .01000 | -.23000 | -.23400 | 885.70000 |
| .600 | 7.990 | -.02000 | -.03000 | -.04000 | 3.18800 | -.07000 | .01000 | -.23300 | -.22900 | 885.70000 |
| .599 | 10.020 | -.01000 | -.02000 | -.05000 | 3.65400 | -.07000 | .03000 | -.23100 | -.23000 | 885.70000 |
| .599 | 11.020 | -.02000 | -.03000 | -.05000 | 3.75100 | -.07000 | .02000 | -.22800 | -.23300 | 885.70000 |
| .600 | 12.030 | -.01000 | -.02000 | -.05000 | 3.76900 | -.07000 | .02000 | -.22800 | -.23300 | 885.70000 |
| .599 | 12.940 | -.01000 | -.02000 | -.04000 | 3.69700 | -.07000 | .02000 | -.23600 | -.23500 | 885.70000 |
| .599 | 14.050 | .00000 | -.02000 | -.03000 | 3.45200 | -.04000 | .01000 | -.23900 | -.23900 | 885.70000 |
| .600 | 15.010 | -.01000 | -.02000 | -.04000 | 3.24900 | -.06000 | .02000 | -.24400 | -.24900 | 885.70000 |
| .600 | 16.030 | -.01000 | .00000 | -.03000 | 3.05800 | -.03000 | .02000 | -.25300 | -.25000 | 885.70000 |
| .600 | 17.980 | .00000 | -.03000 | -.03000 | 2.72600 | -.06000 | .01000 | -.27100 | -.27100 | 885.70000 |
| .600 | 19.980 | .03000 | -.02000 | -.04000 | 2.47100 | -.06000 | .01000 | -.30600 | -.30100 | 885.70000 |
| | GRADIENT | .00149 | .00149 | -.00000 | .51868 | -.00000 | .00000 | .00320 | .00391 | .00000 |

RUN NO. 118/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.203 | -1.960 | -.03000 | -.02000 | -.03000 | -.81700 | -.05000 | .00000 | -.35400 | -.34500 | 1417.00000 |
| 1.202 | .010 | -.02000 | -.05000 | -.06000 | -.15500 | -.11000 | .01000 | -.35600 | -.35100 | 1417.00000 |
| 1.204 | 2.000 | -.01000 | -.03000 | -.04000 | .50100 | -.07000 | .01000 | -.34800 | -.35000 | 1417.00000 |
| 1.213 | 4.070 | -.01000 | -.02000 | -.04000 | 1.09600 | -.06000 | .02000 | -.33300 | -.34100 | 1417.00000 |
| 1.213 | 6.000 | -.02000 | -.01000 | -.04000 | 1.52500 | -.05000 | .03000 | -.34500 | -.35300 | 1417.00000 |
| 1.201 | 7.990 | -.03000 | -.02000 | -.03000 | 1.83900 | -.06000 | .01000 | -.37300 | -.38000 | 1417.00000 |
| 1.203 | 10.020 | -.02000 | -.01000 | -.03000 | 2.03100 | -.04000 | .02000 | -.38000 | -.38600 | 1417.00000 |
| 1.202 | 11.010 | -.01000 | -.03000 | -.03000 | 2.08900 | -.05000 | .00000 | -.38300 | -.39000 | 1417.00000 |
| 1.202 | 12.040 | -.02000 | -.03000 | -.02000 | 2.11700 | -.05000 | -.02000 | -.38500 | -.39400 | 1417.00000 |
| 1.213 | 12.990 | -.01000 | .02000 | .00000 | 2.12100 | .02000 | .01000 | -.37900 | -.38700 | 1417.00000 |
| 1.202 | 13.990 | -.01000 | -.03000 | -.04000 | 2.11000 | -.07000 | .00000 | -.40000 | -.40800 | 1417.00000 |
| 1.202 | 15.000 | -.01000 | -.05000 | -.03000 | 2.08500 | -.08000 | -.02000 | -.40900 | -.41600 | 1417.00000 |
| 1.200 | 16.020 | .00000 | -.03000 | -.04000 | 2.05400 | -.07000 | .00000 | -.41900 | -.42700 | 1417.00000 |
| 1.213 | 17.950 | -.01000 | -.04000 | -.03000 | 1.98600 | -.07000 | -.01000 | -.42100 | -.42200 | 1417.00000 |
| 1.201 | 19.940 | .01000 | -.03000 | -.04000 | 1.89700 | -.07000 | .01000 | -.45500 | -.45500 | 1417.00000 |
| | GRADIENT | .00347 | .00104 | -.00047 | .31834 | .00057 | .00299 | .00356 | .00067 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B081) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 148/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.930 | -.02000 | -9.95000 | .00000 | -3.12400 | -9.95000 | -9.95000 | -.23400 | -.23500 | 879.20000 |
| .599 | -.020 | -.01000 | -9.96000 | .00000 | -2.49700 | -9.96000 | -9.95000 | -.23500 | -.24000 | 879.20000 |
| .598 | 2.020 | -.01000 | -9.96000 | .00000 | -1.70500 | -9.96000 | -9.95000 | -.22200 | -.22300 | 879.20000 |
| .599 | 4.010 | -.01000 | -9.96000 | -.01000 | -.68100 | -9.97000 | -9.95000 | -.21600 | -.21900 | 879.20000 |
| .599 | 6.040 | -.02000 | -9.96000 | -.01000 | .48400 | -9.96000 | -9.95000 | -.21900 | -.21600 | 879.20000 |
| .599 | 8.010 | -.01000 | -9.96000 | .00000 | 1.58000 | -9.96000 | -9.96000 | -.21600 | -.21000 | 879.20000 |
| .598 | 10.000 | -.01000 | -9.97000 | .01000 | 2.51000 | -9.96000 | -9.97000 | -.21700 | -.21800 | 879.20000 |
| .600 | 11.010 | -.01000 | -9.95000 | -.01000 | 2.82700 | -9.96000 | -9.94000 | -.21500 | -.21800 | 879.20000 |
| .599 | 12.020 | -.01000 | -9.95000 | -.01000 | 3.06500 | -9.96000 | -9.94000 | -.21700 | -.21700 | 879.20000 |
| .599 | 12.990 | -.01000 | -9.95000 | -.01000 | 3.20200 | -9.96000 | -9.94000 | -.22400 | -.22200 | 879.20000 |
| .599 | 14.030 | -.01000 | -9.95000 | -.02000 | 3.14300 | -9.96000 | -9.93000 | -.22800 | -.22700 | 879.20000 |
| .599 | 15.010 | -.01000 | -9.96000 | -.01000 | 3.02000 | -9.96000 | -9.95000 | -.22700 | -.23400 | 879.20000 |
| .599 | 16.060 | -.01000 | -9.98000 | .01000 | 2.89600 | -9.97000 | -9.99000 | -.23900 | -.24100 | 879.20000 |
| .598 | 18.040 | .01000 | -9.95000 | -.01000 | 2.64900 | -9.97000 | -9.94000 | -.24800 | -.24500 | 879.20000 |
| .599 | 19.980 | .03000 | -9.95000 | -.01000 | 2.41300 | -9.96000 | -9.95000 | -.27200 | -.27200 | 879.20000 |
| | GRADIENT | .00150 | -.00150 | -.00152 | .40922 | -.00301 | .00000 | .00339 | .00330 | .00000 |

RUN NO. 119/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.235 | -1.910 | -.03000 | -9.96000 | .03000 | -1.23900 | -9.93000 | -10.00000 | -.34700 | -.29400 | 1471.00000 |
| 1.200 | -.030 | -.02000 | -9.94000 | .00000 | -.67600 | -9.95000 | -9.94000 | -.39300 | -.33300 | 1471.00000 |
| 1.200 | 2.070 | -.01000 | -9.94000 | .00000 | -.00200 | -9.94000 | -9.93000 | -.39400 | -.34600 | 1471.00000 |
| 1.199 | 4.050 | -.01000 | -9.93000 | -.02000 | .58800 | -9.96000 | -9.91000 | -.40700 | -.35600 | 1471.00000 |
| 1.199 | 6.000 | -.02000 | -9.93000 | -.02000 | 1.08900 | -9.96000 | -9.91000 | -.41600 | -.36400 | 1471.00000 |
| 1.201 | 8.020 | -.03000 | -9.94000 | -.02000 | 1.48300 | -9.95000 | -9.92000 | -.42100 | -.37400 | 1471.00000 |
| 1.199 | 10.060 | -.02000 | -9.92000 | -.01000 | 1.75300 | -9.93000 | -9.91000 | -.42500 | -.38600 | 1471.00000 |
| 1.201 | 11.040 | -.01000 | -9.98000 | .03000 | 1.84500 | -9.96000 | -10.01000 | -.42300 | -.38900 | 1471.00000 |
| 1.234 | 12.050 | -.02000 | -9.95000 | .01000 | 1.90900 | -9.94000 | -9.96000 | -.36600 | -.35100 | 1471.00000 |
| 1.234 | 13.030 | -.01000 | -9.94000 | -.02000 | 1.95200 | -9.96000 | -9.92000 | -.37600 | -.36000 | 1471.00000 |
| 1.200 | 14.050 | .00000 | -9.98000 | .01000 | 1.97100 | -9.96000 | -9.99000 | -.42000 | -.41100 | 1471.00000 |
| 1.235 | 15.000 | -.01000 | -9.96000 | .00000 | 1.97400 | -9.96000 | -9.96000 | -.36600 | -.36500 | 1471.00000 |
| 1.199 | 16.040 | -.01000 | -9.95000 | -.01000 | 1.97100 | -9.97000 | -9.94000 | -.41500 | -.41800 | 1471.00000 |
| 1.200 | 17.990 | .00000 | -9.96000 | -.01000 | 1.93100 | -9.96000 | -9.95000 | -.42500 | -.43100 | 1471.00000 |
| 1.199 | 19.980 | .01000 | -9.97000 | .00000 | 1.86100 | -9.97000 | -9.97000 | -.43500 | -.43800 | 1471.00000 |
| | GRADIENT | .00350 | .00446 | -.00745 | .30813 | -.00395 | .01391 | -.00897 | -.00990 | .00000 |

ARC 200-1 11(LA77) OV101 (A28082) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 149/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.950 | 4.14000 | -.03000 | -.04000 | -1.66600 | -.07000 | .01000 | -.26800 | -.25500 | 879.30000 |
| .599 | .140 | 4.13000 | -.02000 | -.03000 | -.63600 | -.06000 | .01000 | -.26200 | -.26200 | 879.30000 |
| .599 | 2.070 | 4.13000 | -.02000 | -.03000 | .40200 | -.05000 | .01000 | -.25800 | -.26000 | 879.30000 |
| .599 | 4.050 | 4.12000 | -.02000 | -.03000 | 1.50300 | -.05000 | .02000 | -.25600 | -.25900 | 879.30000 |
| .599 | 6.030 | 4.15000 | -.03000 | -.05000 | 2.52100 | -.08000 | .02000 | -.25400 | -.25200 | 879.30000 |
| .598 | 8.010 | 4.19000 | -.03000 | -.05000 | 3.28400 | -.08000 | .02000 | -.25000 | -.25000 | 879.30000 |
| .599 | 10.060 | 4.19000 | -.04000 | -.02000 | 3.73800 | -.06000 | -.01000 | -.24800 | -.24500 | 879.30000 |
| .599 | 11.080 | 4.21000 | .00000 | -.06000 | 3.83500 | -.06000 | .05000 | -.24500 | -.24800 | 879.30000 |
| .599 | 12.060 | 4.21000 | .00000 | -.06000 | 3.84800 | -.06000 | .06000 | -.24900 | -.25000 | 879.30000 |
| .598 | 13.090 | 4.22000 | -.03000 | -.03000 | 3.78600 | -.06000 | .00000 | -.25300 | -.25600 | 879.30000 |
| .599 | 14.100 | 4.22000 | -.03000 | -.03000 | 3.46400 | -.06000 | .00000 | -.26200 | -.25700 | 879.30000 |
| .598 | 15.080 | 4.23000 | -.03000 | -.04000 | 3.24400 | -.07000 | .01000 | -.26300 | -.26000 | 879.30000 |
| .599 | 16.090 | 4.23000 | -.03000 | -.04000 | 3.06600 | -.07000 | .00000 | -.27300 | -.27100 | 879.30000 |
| .599 | 18.060 | 4.24000 | -.03000 | -.04000 | 2.77700 | -.07000 | .01000 | -.29000 | -.29600 | 879.30000 |
| .599 | 20.000 | 4.25000 | -.04000 | -.03000 | 2.50600 | -.07000 | -.01000 | -.31800 | -.32600 | 879.30000 |
| | GRADIENT | -.00302 | .00152 | .00152 | .52889 | .00352 | .00150 | .00201 | -.00052 | .00000 |

RUN NO. 120/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.200 | -1.940 | 4.17000 | .01000 | -.06000 | -.82800 | -.05000 | .07000 | -.40800 | -.36900 | 1454.00000 |
| 1.200 | .060 | 4.19000 | -.02000 | -.06000 | -.18100 | -.08000 | .05000 | -.39300 | -.37000 | 1454.00000 |
| 1.199 | 2.060 | 4.18000 | -.03000 | -.03000 | .47400 | -.06000 | .00000 | -.37900 | -.37100 | 1454.00000 |
| 1.199 | 4.040 | 4.18000 | -.03000 | -.03000 | 1.06200 | -.06000 | .00000 | -.37800 | -.37100 | 1454.00000 |
| 1.199 | 5.980 | 4.20000 | -.02000 | -.03000 | 1.51100 | -.06000 | .01000 | -.38200 | -.38000 | 1454.00000 |
| 1.198 | 8.010 | 4.22000 | -.02000 | -.03000 | 1.84100 | -.06000 | .01000 | -.39500 | -.39100 | 1454.00000 |
| 1.198 | 10.040 | 4.26000 | .00000 | -.06000 | 2.02700 | -.06000 | .05000 | -.40600 | -.40100 | 1454.00000 |
| 1.200 | 12.060 | 4.30000 | -.02000 | -.04000 | 2.09800 | -.06000 | .03000 | -.41700 | -.41200 | 1454.00000 |
| 1.234 | 13.040 | 4.30000 | .00000 | -.03000 | 2.11500 | -.03000 | .04000 | -.37600 | -.36800 | 1454.00000 |
| 1.234 | 14.040 | 4.31000 | -.02000 | -.05000 | 2.11300 | -.06000 | .03000 | -.37900 | -.37100 | 1454.00000 |
| 1.200 | 15.070 | 4.32000 | -.03000 | -.04000 | 2.09700 | -.07000 | .01000 | -.44100 | -.42300 | 1454.00000 |
| 1.200 | 16.100 | 4.32000 | -.03000 | -.04000 | 2.06500 | -.07000 | .01000 | -.44800 | -.42900 | 1454.00000 |
| 1.198 | 18.040 | 4.35000 | -.02000 | -.06000 | 1.99200 | -.07000 | .04000 | -.45300 | -.43500 | 1454.00000 |
| 1.199 | 20.010 | 4.37000 | -.03000 | -.04000 | 1.90300 | -.07000 | .01000 | -.45500 | -.44700 | 1454.00000 |
| | GRADIENT | .00101 | -.00653 | .00602 | .31722 | -.00051 | -.01305 | .00522 | -.00035 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B083) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 150/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -6.080 | 10.08000 | -.03000 | -.05000 | 3.78100 | -.09000 | .02000 | -.26800 | -.27200 | 878.70000 |
| .599 | -4.070 | 10.07000 | -.03000 | -.06000 | 3.74800 | -.09000 | .03000 | -.25600 | -.25500 | 878.70000 |
| .599 | -3.050 | 10.06000 | -.03000 | -.06000 | 3.73200 | -.09000 | .02000 | -.24700 | -.24600 | 878.70000 |
| .599 | -2.040 | 10.05000 | -.03000 | -.06000 | 3.69000 | -.09000 | .02000 | -.24200 | -.24100 | 878.70000 |
| .599 | -1.010 | 10.04000 | -.03000 | -.06000 | 3.65100 | -.09000 | .02000 | -.23000 | -.23300 | 878.70000 |
| .599 | -.020 | 10.03000 | -.02000 | -.05000 | 3.65100 | -.07000 | .02000 | -.23100 | -.22800 | 878.70000 |
| .599 | .980 | 10.05000 | -.02000 | -.04000 | 3.64800 | -.07000 | .02000 | -.23200 | -.23000 | 878.70000 |
| .599 | 1.990 | 10.07000 | -.02000 | -.04000 | 3.69200 | -.07000 | .02000 | -.23700 | -.23300 | 878.70000 |
| .599 | 3.080 | 10.10000 | -.02000 | -.05000 | 3.71100 | -.07000 | .02000 | -.23900 | -.23700 | 878.70000 |
| .599 | 4.110 | 10.09000 | -.02000 | -.04000 | 3.71100 | -.07000 | .02000 | -.24600 | -.24400 | 878.70000 |
| .598 | 6.180 | 10.07000 | -.02000 | -.05000 | 3.73000 | -.07000 | .02000 | -.25600 | -.26200 | 878.70000 |
| .599 | 8.250 | 10.09000 | -.02000 | -.05000 | 3.81900 | -.07000 | .03000 | -.27800 | -.27900 | 878.70000 |
| | GRADIENT | .00412 | .00163 | .00277 | -.00337 | .00326 | -.00065 | .00116 | .00145 | .00000 |

RUN NO. 121/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.201 | -6.190 | 10.06000 | .00000 | -.02000 | 2.02900 | -.02000 | .02000 | -.40800 | -.40000 | 1468.00000 |
| 1.199 | -4.150 | 10.05000 | .02000 | -.04000 | 2.04000 | -.02000 | .05000 | -.40400 | -.40000 | 1468.00000 |
| 1.200 | -3.120 | 10.03000 | -.02000 | .00000 | 2.04000 | -.02000 | -.02000 | -.40300 | -.39700 | 1468.00000 |
| 1.200 | -2.080 | 10.02000 | .02000 | -.04000 | 2.04100 | -.02000 | .06000 | -.39900 | -.39500 | 1468.00000 |
| 1.242 | -1.030 | 10.00000 | -.01000 | -.03000 | 2.03600 | -.04000 | .01000 | -.33100 | -.33500 | 1468.00000 |
| 1.201 | -.030 | 10.00000 | -.04000 | -.04000 | 2.03400 | -.09000 | .00000 | -.38200 | -.38700 | 1468.00000 |
| 1.200 | 2.070 | 10.05000 | -.01000 | -.05000 | 2.03900 | -.06000 | .04000 | -.39400 | -.39500 | 1468.00000 |
| 1.200 | 3.120 | 10.04000 | .02000 | -.04000 | 2.03400 | -.01000 | .06000 | -.40100 | -.39600 | 1468.00000 |
| 1.200 | 4.200 | 10.03000 | .00000 | -.03000 | 2.01900 | -.04000 | .03000 | -.40500 | -.39700 | 1468.00000 |
| 1.200 | 6.280 | 10.02000 | -.01000 | -.04000 | 2.00200 | -.05000 | .03000 | -.40700 | -.40200 | 1468.00000 |
| 1.202 | 8.390 | 10.04000 | -.01000 | -.05000 | 2.00600 | -.06000 | .04000 | -.43300 | -.39800 | 1468.00000 |
| | GRADIENT | .00062 | -.00018 | -.00168 | -.00175 | -.00205 | .00227 | -.00077 | -.00061 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B084) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 140/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -1.930 | -.02000 | -.01000 | -.06000 | -1.56400 | -.07000 | .05000 | -.29200 | -.29500 | 1419.00000 |
| .899 | -.010 | -.01000 | .00000 | -.05000 | -.56700 | -.05000 | .05000 | -.27600 | -.27500 | 1419.00000 |
| .897 | 2.030 | -.01000 | -.01000 | -.04000 | .52800 | -.05000 | .04000 | -.26700 | -.26500 | 1419.00000 |
| .899 | 2.990 | -.01000 | .00000 | -.04000 | 1.01400 | -.04000 | .04000 | -.26400 | -.26600 | 1419.00000 |
| .899 | 4.010 | -.01000 | .01000 | -.07000 | 1.47200 | -.06000 | .08000 | -.27100 | -.26700 | 1419.00000 |
| .897 | 4.990 | -.01000 | .02000 | -.07000 | 1.80000 | -.04000 | .09000 | -.25900 | -.25700 | 1419.00000 |
| .899 | 5.980 | -.01000 | .00000 | -.04000 | 2.07500 | -.04000 | .04000 | -.25400 | -.25400 | 1419.00000 |
| .900 | 6.970 | -.02000 | .01000 | -.04000 | 2.28400 | -.03000 | .05000 | -.25900 | -.26600 | 1419.00000 |
| .897 | 7.970 | -.03000 | -.02000 | -.05000 | 2.43300 | -.06000 | .03000 | -.26300 | -.25800 | 1419.00000 |
| .899 | 9.000 | .00000 | .01000 | -.06000 | 2.53700 | -.05000 | .07000 | -.25800 | -.25600 | 1419.00000 |
| .898 | 9.980 | .00000 | -.01000 | -.05000 | 2.60200 | -.07000 | .04000 | -.26300 | -.26100 | 1419.00000 |
| .898 | 11.990 | .00000 | -.02000 | -.05000 | 2.59000 | -.07000 | .04000 | -.27500 | -.26900 | 1419.00000 |
| .899 | 13.980 | .00000 | .01000 | -.04000 | 2.48800 | -.03000 | .04000 | -.29300 | -.29000 | 1419.00000 |
| .898 | 15.980 | .01000 | -.06000 | -.09000 | 2.36100 | -.14000 | .03000 | -.31800 | -.32000 | 1419.00000 |
| .900 | 17.970 | .01000 | -.03000 | -.06000 | 2.22200 | -.09000 | .03000 | -.33500 | -.34200 | 1419.00000 |
| .897 | 19.950 | .03000 | -.03000 | -.05000 | 2.09100 | -.09000 | .02000 | -.37300 | -.37500 | 1419.00000 |
| | GRADIENT | .00118 | .00355 | -.00150 | .49666 | .00294 | .00505 | .00405 | .00471 | -.00000 |

RUN NO. 130/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.940 | -.02000 | -.04000 | -.04000 | -1.32400 | -.08000 | -.01000 | -.31300 | -.31100 | 1463.00000 |
| .949 | .030 | -.01000 | .02000 | -.06000 | -.40100 | -.05000 | .08000 | -.30100 | -.29900 | 1463.00000 |
| .948 | 2.030 | -.01000 | -.01000 | -.05000 | .59100 | -.06000 | .04000 | -.29900 | -.29400 | 1463.00000 |
| .948 | 3.000 | -.01000 | .00000 | -.04000 | 1.04800 | -.05000 | .04000 | -.29500 | -.29300 | 1463.00000 |
| .950 | 4.030 | -.01000 | .00000 | -.04000 | 1.45600 | -.04000 | .04000 | -.29600 | -.29100 | 1463.00000 |
| .948 | 5.020 | -.02000 | .00000 | -.04000 | 1.79300 | -.04000 | .04000 | -.29300 | -.30000 | 1463.00000 |
| .952 | 6.010 | -.02000 | .00000 | -.04000 | 2.06400 | -.04000 | .04000 | -.30400 | -.30100 | 1463.00000 |
| .947 | 6.970 | -.02000 | -.03000 | -.02000 | 2.27500 | -.05000 | -.01000 | -.29900 | -.29500 | 1463.00000 |
| .947 | 7.980 | -.02000 | -.01000 | -.08000 | 2.41500 | -.10000 | .07000 | -.29300 | -.29500 | 1463.00000 |
| .949 | 9.010 | .01000 | -.04000 | -.05000 | 2.50400 | -.09000 | .01000 | -.29300 | -.29400 | 1463.00000 |
| .949 | 9.990 | .01000 | -.02000 | -.05000 | 2.56200 | -.07000 | .04000 | -.30500 | -.31000 | 1463.00000 |
| .949 | 11.990 | .01000 | .00000 | -.06000 | 2.51800 | -.06000 | .06000 | -.31300 | -.31600 | 1463.00000 |
| .947 | 14.010 | .02000 | -.04000 | -.05000 | 2.42100 | -.09000 | .01000 | -.33300 | -.33100 | 1463.00000 |
| .946 | 15.980 | .03000 | -.04000 | -.06000 | 2.30400 | -.09000 | .02000 | -.35800 | -.35600 | 1463.00000 |
| .947 | 17.930 | -.06000 | -.02000 | -.06000 | 2.18900 | -.09000 | .04000 | -.37100 | -.36700 | 1463.00000 |
| .947 | 19.940 | .01000 | -.05000 | -.06000 | 2.04900 | -.10000 | .01000 | -.41700 | -.41800 | 1463.00000 |
| | GRADIENT | .00147 | .00440 | .00096 | .47196 | .00529 | .00491 | .00280 | .00322 | .00000 |

ARC 200-1 11(LA77) OV101 (A28084) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 122/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.890 | -.03000 | -.02000 | -.02000 | -1.01600 | -.04000 | .01000 | -.40200 | -.40400 | 1534.00000 |
| 1.047 | .030 | -.02000 | -.01000 | -.03000 | -.30100 | -.04000 | .01000 | -.39600 | -.39500 | 1534.00000 |
| 1.046 | 2.040 | -.01000 | -.02000 | -.03000 | .47600 | -.05000 | .02000 | -.39400 | -.39300 | 1534.00000 |
| 1.047 | 3.020 | -.01000 | -.04000 | -.03000 | .82100 | -.07000 | -.01000 | -.39500 | -.39800 | 1534.00000 |
| 1.046 | 4.040 | -.02000 | -.05000 | -.05000 | 1.15000 | -.10000 | .00000 | -.40100 | -.39900 | 1534.00000 |
| 1.046 | 5.040 | -.02000 | -.04000 | -.05000 | 1.41200 | -.09000 | .01000 | -.40200 | -.40300 | 1534.00000 |
| 1.046 | 6.030 | -.02000 | -.06000 | -.03000 | 1.63700 | -.10000 | -.03000 | -.40800 | -.40700 | 1534.00000 |
| 1.047 | 6.990 | -.03000 | -.05000 | -.05000 | 1.80300 | -.10000 | -.01000 | -.40900 | -.40900 | 1534.00000 |
| 1.046 | 7.930 | -.03000 | -.04000 | -.05000 | 1.92700 | -.09000 | .01000 | -.41300 | -.41300 | 1534.00000 |
| 1.045 | 8.950 | .00000 | -.05000 | -.05000 | 2.02200 | -.10000 | .00000 | -.42200 | -.42200 | 1534.00000 |
| 1.047 | 9.960 | -.01000 | -.06000 | -.03000 | 2.10100 | -.09000 | -.03000 | -.42100 | -.42000 | 1534.00000 |
| 1.046 | 11.900 | -.01000 | -.03000 | -.06000 | 2.15700 | -.09000 | .03000 | -.42500 | -.42400 | 1534.00000 |
| 1.046 | 13.870 | -.02000 | -.06000 | -.04000 | 2.12700 | -.09000 | -.02000 | -.44000 | -.44000 | 1534.00000 |
| 1.044 | 15.860 | -.01000 | -.04000 | -.03000 | 2.05900 | -.07000 | -.02000 | -.46900 | -.46900 | 1534.00000 |
| 1.042 | 17.810 | -.01000 | -.02000 | -.02000 | 2.00200 | -.05000 | .00000 | -.50400 | -.50500 | 1534.00000 |
| 1.046 | 19.850 | .01000 | -.06000 | -.05000 | 1.92700 | -.11000 | -.02000 | -.52400 | -.52500 | 1534.00000 |
| | GRADIENT | .00242 | -.00544 | -.00376 | .36890 | -.00919 | -.00227 | .00043 | .00071 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28085) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 141/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.940 | -.03000 | -9.93000 | .01000 | -2.57900 | -9.92000 | -9.94000 | -.27200 | -.27200 | 1420.00000 |
| .900 | .040 | -.02000 | -9.93000 | .01000 | -1.88000 | -9.92000 | -9.94000 | -.26800 | -.26300 | 1420.00000 |
| .898 | 2.010 | -.01000 | -9.95000 | .02000 | -.98400 | -9.93000 | -9.97000 | -.26200 | -.26200 | 1420.00000 |
| .899 | 3.010 | -.01000 | -9.92000 | -.01000 | -.44800 | -9.93000 | -9.90000 | -.25700 | -.25300 | 1420.00000 |
| .899 | 4.030 | -.01000 | -9.94000 | .00000 | .12600 | -9.94000 | -9.94000 | -.25400 | -.25400 | 1420.00000 |
| .899 | 5.030 | -.01000 | -9.92000 | -.02000 | .65700 | -9.94000 | -9.90000 | -.24800 | -.24900 | 1420.00000 |
| .899 | 6.030 | -.02000 | -9.95000 | .00000 | 1.15000 | -9.95000 | -9.94000 | -.25300 | -.25500 | 1420.00000 |
| .899 | 6.980 | -.02000 | -9.95000 | -.01000 | 1.49000 | -9.96000 | -9.94000 | -.24400 | -.24300 | 1420.00000 |
| .899 | 7.930 | -.03000 | -9.96000 | -.01000 | 1.72900 | -9.98000 | -9.95000 | -.25000 | -.24900 | 1420.00000 |
| .900 | 8.990 | .00000 | -9.95000 | -.01000 | 1.94800 | -9.97000 | -9.94000 | -.24800 | -.25200 | 1420.00000 |
| .898 | 9.990 | .00000 | -9.95000 | -.01000 | 2.05000 | -9.97000 | -9.94000 | -.25100 | -.24500 | 1420.00000 |
| .899 | 12.000 | -.01000 | -9.96000 | .01000 | 2.20900 | -9.95000 | -9.96000 | -.25000 | -.25400 | 1420.00000 |
| .898 | 14.010 | .00000 | -9.96000 | .00000 | 2.19000 | -9.96000 | -9.95000 | -.26600 | -.26900 | 1420.00000 |
| .899 | 16.000 | .01000 | -9.95000 | -.04000 | 2.14400 | -9.98000 | -9.91000 | -.28600 | -.29800 | 1420.00000 |
| .898 | 17.990 | .01000 | -9.96000 | -.02000 | 2.05900 | -9.97000 | -9.94000 | -.32200 | -.30400 | 1420.00000 |
| .899 | 19.980 | .04000 | -9.96000 | -.01000 | 1.95600 | -9.97000 | -9.96000 | -.34800 | -.34900 | 1420.00000 |
| | GRADIENT | .00355 | -.00095 | -.00226 | .45248 | -.00322 | .00200 | .00309 | .00306 | -.00000 |

RUN NO. 131/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.950 | -.01000 | -9.93000 | -.02000 | -2.36500 | -9.95000 | -9.91000 | -.31000 | -.30900 | 1479.00000 |
| .946 | .040 | -.02000 | -9.91000 | -.02000 | -1.71400 | -9.93000 | -9.89000 | -.28300 | -.29300 | 1479.00000 |
| .949 | 2.040 | -.01000 | -10.00000 | -.02000 | -.78900 | -10.03000 | -9.98000 | -.28600 | -.28700 | 1479.00000 |
| .948 | 3.030 | -.01000 | -9.98000 | .06000 | -.28800 | -9.92000 | -10.04000 | -.27800 | -.27600 | 1479.00000 |
| .949 | 4.060 | -.01000 | -9.87000 | .00000 | .28100 | -9.88000 | -9.87000 | -.27000 | -.27500 | 1479.00000 |
| .949 | 5.030 | -.02000 | -9.91000 | -.01000 | .73200 | -9.92000 | -9.90000 | -.28300 | -.27700 | 1479.00000 |
| .947 | 5.990 | -.02000 | -9.98000 | -.05000 | 1.10700 | -10.02000 | -9.93000 | -.27900 | -.27200 | 1479.00000 |
| .949 | 6.980 | -.02000 | -10.05000 | .04000 | 1.39800 | -10.01000 | -10.09000 | -.27800 | -.28200 | 1479.00000 |
| .948 | 8.000 | -.03000 | -9.84000 | .02000 | 1.68100 | -9.82000 | -9.87000 | -.27600 | -.27900 | 1479.00000 |
| .949 | 9.020 | .01000 | -9.91000 | -.04000 | 1.88900 | -9.95000 | -9.87000 | -.28000 | -.27700 | 1479.00000 |
| .950 | 10.000 | .01000 | -9.92000 | .00000 | 2.04700 | -9.92000 | -9.92000 | -.28100 | -.28100 | 1479.00000 |
| .947 | 11.990 | .01000 | -9.92000 | -.01000 | 2.20800 | -9.93000 | -9.92000 | -.30000 | -.29000 | 1479.00000 |
| .950 | 14.000 | .02000 | -9.91000 | -.02000 | 2.22000 | -9.93000 | -9.89000 | -.32400 | -.32600 | 1479.00000 |
| .949 | 16.000 | -.04000 | -9.91000 | -.02000 | 2.17100 | -9.93000 | -9.90000 | -.34100 | -.34100 | 1479.00000 |
| .949 | 17.990 | -.05000 | -9.95000 | .02000 | 2.09400 | -9.93000 | -9.97000 | -.34900 | -.34700 | 1479.00000 |
| .950 | 20.000 | .02000 | -9.97000 | .02000 | 1.98200 | -9.95000 | -9.98000 | -.39400 | -.38800 | 1479.00000 |
| | GRADIENT | .00061 | .00034 | .00772 | .44135 | .00668 | -.00738 | .00568 | .00569 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B085) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = , .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 123/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -2.000 | -.03000 | -9.92000 | .00000 | -1.69100 | -9.92000 | -9.92000 | -.42300 | -.42500 | 1553.00000 |
| 1.047 | -.060 | -.02000 | -9.90000 | .01000 | -1.08700 | -9.90000 | -9.91000 | -.42100 | -.42200 | 1553.00000 |
| 1.046 | 1.950 | -.02000 | -9.94000 | .01000 | -.36400 | -9.9[illegible]000 | -9.95000 | -.42400 | -.42500 | 1553.00000 |
| 1.047 | 2.930 | -.02000 | -9.91000 | -.01000 | .00300 | -9.93000 | -9.90000 | -.42700 | -.42700 | 1553.00000 |
| 1.046 | 3.960 | -.02000 | -9.93000 | -.02000 | .37400 | -9.95000 | -9.90000 | -.43200 | -.43200 | 1553.00000 |
| 1.048 | 4.970 | -.02000 | -9.94000 | -.02000 | .69200 | -9.96000 | -9.93000 | -.43900 | -.43800 | 1553.00000 |
| 1.047 | 5.960 | -.02000 | -9.94000 | -.03000 | .95700 | -9.96000 | -9.91000 | -.44700 | -.44900 | 1553.00000 |
| 1.048 | 6.930 | -.03000 | -9.93000 | -.03000 | 1.17400 | -9.97000 | -9.90000 | -.45300 | -.45100 | 1553.00000 |
| 1.047 | 7.880 | -.03000 | -9.94000 | -.03000 | 1.36200 | -9.97000 | -9.91000 | -.45600 | -.45300 | 1553.00000 |
| 1.047 | 8.900 | .00000 | -9.95000 | -.02000 | 1.53200 | -9.97000 | -9.92000 | -.45900 | -.45900 | 1553.00000 |
| 1.046 | 9.920 | -.01000 | -9.93000 | -.02000 | 1.66800 | -9.95000 | -9.90000 | -.46000 | -.46200 | 1553.00000 |
| 1.047 | 11.860 | -.01000 | -9.93000 | -.03000 | 1.84300 | -9.96000 | -9.90000 | -.45800 | -.45900 | 1553.00000 |
| 1.045 | 13.860 | -.01000 | -9.94000 | .00000 | 1.93200 | -9.95000 | -9.94000 | -.46300 | -.46200 | 1553.00000 |
| 1.048 | 15.850 | -.01000 | -9.94000 | -.03000 | 1.95000 | -9.97000 | -9.91000 | -.46600 | -.46400 | 1553.00000 |
| 1.046 | 17.820 | -.01000 | -9.95000 | -.02000 | 1.92000 | -9.96000 | -9.93000 | -.49400 | -.49200 | 1553.00000 |
| 1.046 | 19.860 | .01000 | -9.95000 | .01000 | 1.88500 | -9.94000 | -9.96000 | -.50100 | -.50200 | 1553.00000 |
| | GRADIENT | .00117 | -.00328 | -.00386 | .34731 | -.00683 | .00028 | -.00220 | -.00181 | .00000 |

ARC 200-1 11(LA77) OV101 (A28086) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 142/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.930 | 4.20000 | -9.93000 | -.03000 | -2.61700 | -9.96000 | -9.90000 | -.28800 | -.28900 | 1424.00000 |
| .899 | .050 | 4.20000 | -9.94000 | -.03000 | -1.91400 | -9.97000 | -9.91000 | -.28700 | -.29500 | 1424.00000 |
| .899 | 2.030 | 4.20000 | -9.95000 | -.02000 | -1.01600 | -9.98000 | -9.93000 | -.27600 | -.27100 | 1424.00000 |
| .899 | 3.030 | 4.20000 | -9.97000 | .00000 | -.46300 | -9.97000 | -9.97000 | -.27700 | -.26900 | 1424.00000 |
| .899 | 4.050 | 4.21000 | -9.94000 | -.03000 | .10200 | -9.97000 | -9.91000 | -.27400 | -.27100 | 1424.00000 |
| .899 | 5.060 | 4.21000 | -9.97000 | .00000 | .65300 | -9.97000 | -9.97000 | -.26500 | -.26600 | 1424.00000 |
| .898 | 6.050 | 4.22000 | -9.95000 | -.02000 | 1.13200 | -9.97000 | -9.93000 | -.26400 | -.26700 | 1424.00000 |
| .898 | 7.020 | 4.23000 | -9.96000 | .00000 | 1.47600 | -9.97000 | -9.96000 | -.25900 | -.25800 | 1424.00000 |
| .900 | 7.980 | 4.26000 | -9.97000 | .00000 | 1.75600 | -9.97000 | -9.97000 | -.26300 | -.26200 | 1424.00000 |
| .898 | 9.000 | 4.28000 | -9.96000 | -.01000 | 1.93000 | -9.97000 | -9.95000 | -.26100 | -.25400 | 1424.00000 |
| .898 | 10.020 | 4.28000 | -9.96000 | .00000 | 2.08500 | -9.96000 | -9.96000 | -.25900 | -.25200 | 1424.00000 |
| .899 | 12.020 | 4.32000 | -9.96000 | -.01000 | 2.23900 | -9.97000 | -9.95000 | -.26900 | -.26400 | 1424.00000 |
| .897 | 14.050 | 4.34000 | -9.96000 | -.02000 | 2.21800 | -9.97000 | -9.94000 | -.29200 | -.30000 | 1424.00000 |
| .899 | 16.040 | 4.37000 | -9.96000 | -.01000 | 2.16100 | -9.97000 | -9.94000 | -.32300 | -.31900 | 1424.00000 |
| .896 | 18.020 | 4.40000 | -9.97000 | .00000 | 2.08500 | -9.97000 | -9.97000 | -.32900 | -.33600 | 1424.00000 |
| .898 | 20.020 | 4.42000 | -9.96000 | -.02000 | 1.96600 | -9.97000 | -9.94000 | -.35200 | -.37000 | 1424.00000 |
| | GRADIENT | .00113 | -.00379 | .00232 | .45462 | -.00172 | -.00611 | .00259 | .00424 | -.00001 |

RUN NO. 132/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.910 | 4.19000 | -9.90000 | .02000 | -2.32800 | -9.88000 | -9.92000 | -.33200 | -.33000 | 1479.00000 |
| .949 | .010 | 4.21000 | -9.94000 | .04000 | -1.69800 | -9.90000 | -9.98000 | -.32900 | -.32700 | 1479.00000 |
| .948 | 2.020 | 4.21000 | -9.96000 | .05000 | -.82100 | -9.91000 | -10.02000 | -.32400 | -.33200 | 1479.00000 |
| .948 | 3.000 | 4.21000 | -9.98000 | .01000 | -.31300 | -9.96000 | -9.99000 | -.32500 | -.31300 | 1479.00000 |
| .949 | 4.030 | 4.21000 | -9.92000 | -.01000 | .21100 | -9.92000 | -9.91000 | -.32000 | -.33400 | 1479.00000 |
| .948 | 5.050 | 4.21000 | -9.91000 | -.01000 | .69600 | -9.93000 | -9.90000 | -.33100 | -.32100 | 1479.00000 |
| .948 | 6.040 | 4.23000 | -9.93000 | .00000 | 1.10300 | -9.93000 | -9.93000 | -.30300 | -.30900 | 1479.00000 |
| .950 | 7.010 | 4.22000 | -9.89000 | -.03000 | 1.42000 | -9.93000 | -9.86000 | -.34200 | -.33300 | 1479.00000 |
| .949 | 8.040 | 4.24000 | -9.90000 | -.02000 | 1.68300 | -9.93000 | -9.88000 | -.32300 | -.30800 | 1479.00000 |
| .949 | 9.020 | 4.26000 | -9.92000 | -.01000 | 1.89400 | -9.93000 | -9.90000 | -.32700 | -.32900 | 1479.00000 |
| .947 | 10.010 | 4.26000 | -9.91000 | -.02000 | 2.07100 | -9.93000 | -9.89000 | -.31800 | -.32200 | 1479.00000 |
| .951 | 12.030 | 4.28000 | -9.92000 | -.01000 | 2.24000 | -9.93000 | -9.91000 | -.36400 | -.35900 | 1479.00000 |
| .946 | 14.060 | 4.30000 | -9.90000 | -.03000 | 2.25400 | -9.93000 | -9.86000 | -.34700 | -.36600 | 1479.00000 |
| .951 | 16.070 | 4.30000 | -9.88000 | -.05000 | 2.18100 | -9.93000 | -9.83000 | -.39800 | -.38300 | 1479.00000 |
| .950 | 18.030 | 4.31000 | -9.96000 | .03000 | 2.10400 | -9.93000 | -9.99000 | -.40300 | -.40600 | 1479.00000 |
| .947 | 20.000 | 4.36000 | -9.88000 | -.02000 | 1.98200 | -9.90000 | -9.86000 | -.40500 | -.41600 | 1479.00000 |
| | GRADIENT | .00294 | -.00687 | -.00459 | .42908 | -.00962 | -.00254 | .00188 | .00048 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28086) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 124/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.000 | 4.23000 | -9.89000 | .03000 | -1.68500 | -9.87000 | -9.92000 | -.47800 | -.48000 | 1554.00000 |
| 1.047 | -.050 | 4.26000 | -9.97000 | -.02000 | -1.10600 | -9.99000 | -9.95000 | -.48100 | -.48000 | 1554.00000 |
| 1.046 | 1.970 | 4.26000 | -9.91000 | -.04000 | -.37100 | -9.95000 | -9.87000 | -.49100 | -.49000 | 1554.00000 |
| 1.048 | 2.950 | 4.25000 | -9.91000 | -.05000 | -.00800 | -9.96000 | -9.87000 | -.48100 | -.48100 | 1554.00000 |
| 1.046 | 3.970 | 4.26000 | -9.93000 | -.03000 | .33300 | -9.96000 | -9.90000 | -.47700 | -.47800 | 1554.00000 |
| 1.047 | 4.990 | 4.25000 | -9.94000 | -.03000 | .66600 | -9.97000 | -9.91000 | -.47200 | -.47300 | 1554.00000 |
| 1.046 | 5.980 | 4.26000 | -9.97000 | .00000 | .92200 | -9.97000 | -9.97000 | -.47800 | -.48200 | 1554.00000 |
| 1.047 | 6.960 | 4.27000 | -9.91000 | .02000 | 1.17200 | -9.89000 | -9.92000 | -.48300 | -.48400 | 1554.00000 |
| 1.048 | 7.920 | 4.28000 | -9.91000 | .01000 | 1.35000 | -9.90000 | -9.92000 | -.48800 | -.48900 | 1554.00000 |
| 1.046 | 8.970 | 4.30000 | -9.91000 | .00000 | 1.53900 | -9.91000 | -9.91000 | -.49400 | -.49300 | 1554.00000 |
| 1.046 | 9.940 | 4.29000 | -9.92000 | -.01000 | 1.67500 | -9.93000 | -9.91000 | -.49500 | -.49500 | 1554.00000 |
| 1.046 | 11.910 | 4.33000 | -9.94000 | -.06000 | 1.86300 | -10.00000 | -9.88000 | -.48300 | -.48300 | 1554.00000 |
| 1.044 | 13.920 | 4.36000 | -9.92000 | -.04000 | 1.93100 | -9.96000 | -9.88000 | -.49700 | -.49400 | 1554.00000 |
| 1.045 | 15.910 | 4.37000 | -9.94000 | -.03000 | 1.95200 | -9.97000 | -9.90000 | -.50100 | -.50400 | 1554.00000 |
| 1.045 | 17.860 | 4.39000 | -9.96000 | .00000 | 1.94100 | -9.96000 | -9.95000 | -.49200 | -.49100 | 1554.00000 |
| 1.046 | 19.870 | 4.42000 | -9.96000 | .00000 | 1.87700 | -9.95000 | -9.96000 | -.50700 | -.50500 | 1554.00000 |
| | GRADIENT | .00233 | -.00261 | -.00820 | .34186 | -.00964 | .00530 | .00069 | .00071 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B087) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 143/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.910 | 4.17000 | -.03000 | -.06000 | -1.55000 | -.09000 | .03000 | -.30200 | -.29800 | 1425.00000 |
| .901 | .000 | 4.20000 | -.01000 | -.05000 | -.58900 | -.06000 | .04000 | -.29600 | -.29500 | 1425.00000 |
| .899 | 1.990 | 4.20000 | -.01000 | -.05000 | .47900 | -.05000 | .04000 | -.29300 | -.28900 | 1425.00000 |
| .899 | 2.940 | 4.20000 | -.01000 | -.04000 | .96500 | -.05000 | .04000 | -.28200 | -.27700 | 1425.00000 |
| .899 | 3.950 | 4.20000 | .00000 | -.03000 | 1.41300 | -.03000 | .02000 | -.28000 | -.27600 | 1425.00000 |
| .899 | 4.950 | 4.21000 | -.02000 | -.02000 | 1.78700 | -.04000 | .00000 | -.26800 | -.27300 | 1425.00000 |
| .902 | 6.030 | 4.22000 | -.02000 | -.02000 | 2.08400 | -.03000 | .00000 | -.27600 | -.27800 | 1425.00000 |
| .899 | 6.980 | 4.23000 | -.01000 | -.02000 | 2.30300 | -.03000 | .01000 | -.27500 | -.28100 | 1425.00000 |
| .900 | 8.030 | 4.26000 | -.02000 | -.03000 | 2.44900 | -.05000 | .01000 | -.26700 | -.27000 | 1425.00000 |
| .898 | 9.020 | 4.27000 | -.02000 | -.03000 | 2.54700 | -.05000 | .01000 | -.27400 | -.27500 | 1425.00000 |
| .901 | 9.990 | 4.28000 | -.03000 | -.04000 | 2.59700 | -.07000 | .01000 | -.27800 | -.28200 | 1425.00000 |
| .901 | 12.050 | 4.32000 | -.03000 | -.04000 | 2.59900 | -.07000 | .01000 | -.29900 | -.30000 | 1425.00000 |
| .900 | 14.060 | 4.35000 | -.03000 | -.05000 | 2.49800 | -.08000 | .02000 | -.32800 | -.32500 | 1425.00000 |
| .901 | 16.060 | 4.37000 | -.06000 | -.03000 | 2.37000 | -.09000 | -.03000 | -.33800 | -.33700 | 1425.00000 |
| .901 | 18.050 | 4.40000 | -.03000 | -.05000 | 2.24800 | -.08000 | .02000 | -.34800 | -.35000 | 1425.00000 |
| .900 | 20.040 | 4.41000 | -.04000 | -.05000 | 2.10000 | -.09000 | .01000 | -.38900 | -.39000 | 1425.00000 |
| | GRADIENT | .00448 | .00208 | .00541 | .49582 | .00749 | -.00364 | .00462 | .00402 | -.00000 |

RUN NO. 133/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.940 | 4.18000 | -.02000 | -.04000 | -1.37700 | -.06000 | .02000 | -.35400 | -.35500 | 1477.00000 |
| .948 | .010 | 4.20000 | -.02000 | -.03000 | -.49100 | -.05000 | .01000 | -.34400 | -.34100 | 1477.00000 |
| .948 | 2.010 | 4.19000 | -.02000 | -.03000 | .49900 | -.04000 | .01000 | -.34000 | -.34700 | 1477.00000 |
| .946 | 2.970 | 4.19000 | -.02000 | -.03000 | .94400 | -.05000 | .01000 | -.34000 | -.33700 | 1477.00000 |
| .947 | 3.990 | 4.20000 | -.03000 | -.04000 | 1.37000 | -.07000 | .00000 | -.34500 | -.34700 | 1477.00000 |
| .949 | 5.000 | 4.20000 | -.01000 | -.02000 | 1.74300 | -.04000 | .01000 | -.34500 | -.33700 | 1477.00000 |
| .949 | 6.000 | 4.21000 | .01000 | .00000 | 2.02800 | .01000 | .01000 | -.34300 | -.34200 | 1477.00000 |
| .949 | 6.970 | 4.21000 | -.06000 | -.07000 | 2.22500 | -.13000 | .01000 | -.34900 | -.34000 | 1477.00000 |
| .947 | 7.930 | 4.23000 | -.04000 | -.04000 | 2.38300 | -.09000 | .00000 | -.32600 | -.33700 | 1477.00000 |
| .949 | 8.960 | 4.25000 | .00000 | -.02000 | 2.50100 | -.02000 | .03000 | -.33700 | -.33300 | 1477.00000 |
| .951 | 10.020 | 4.24000 | -.02000 | -.02000 | 2.54300 | -.04000 | -.01000 | -.33900 | -.33300 | 1477.00000 |
| .947 | 12.000 | 4.28000 | -.03000 | -.10000 | 2.53500 | -.13000 | .07000 | -.34800 | -.36200 | 1477.00000 |
| .947 | 14.020 | 4.29000 | -.03000 | -.09000 | 2.45000 | -.13000 | .06000 | -.36600 | -.36100 | 1477.00000 |
| .948 | 16.020 | 4.30000 | -.01000 | -.04000 | 2.31700 | -.04000 | .03000 | -.39200 | -.39700 | 1477.00000 |
| .947 | 18.000 | 4.30000 | -.02000 | .04000 | 2.19200 | .02000 | -.05000 | -.41600 | -.40400 | 1477.00000 |
| .950 | 20.010 | 4.36000 | -.05000 | -.04000 | 2.05600 | -.09000 | -.01000 | -.42700 | -.42000 | 1477.00000 |
| | GRADIENT | .00207 | .00030 | .00148 | .45711 | .00089 | -.00178 | .00115 | .00177 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28087) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 125/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -1.910 | 4.22000 | -.03000 | -.06000 | -1.03100 | -.10000 | .03000 | -.43900 | -.44000 | 1571.00000 |
| 1.046 | .040 | 4.24000 | -.03000 | -.06000 | -.32300 | -.09000 | .03000 | -.44000 | -.44000 | 1571.00000 |
| 1.046 | 2.060 | 4.24000 | -.03000 | -.06000 | .43000 | -.09000 | .04000 | -.43600 | -.43600 | 1571.00000 |
| 1.048 | 3.030 | 4.24000 | -.03000 | -.06000 | .77900 | -.10000 | .03000 | -.43400 | -.43600 | 1571.00000 |
| 1.047 | 4.060 | 4.25000 | -.07000 | -.07000 | 1.18100 | -.13000 | .00000 | -.43500 | -.43300 | 1571.00000 |
| 1.046 | 5.070 | 4.25000 | -.05000 | -.06000 | 1.38000 | -.11000 | .02000 | -.43600 | -.43700 | 1571.00000 |
| 1.047 | 6.070 | 4.25000 | -.03000 | -.07000 | 1.60000 | -.10000 | .04000 | -.44100 | -.44000 | 1571.00000 |
| 1.048 | 7.050 | 4.26000 | -.04000 | -.07000 | 1.76000 | -.11000 | .03000 | -.44700 | -.44700 | 1571.00000 |
| 1.048 | 8.020 | 4.27000 | -.04000 | -.05000 | 1.88000 | -.09000 | .01000 | -.45300 | -.45200 | 1571.00000 |
| 1.047 | 9.060 | 4.30000 | -.02000 | -.03000 | 1.98800 | -.06000 | .01000 | -.45300 | -.45300 | 1571.00000 |
| 1.046 | 10.030 | 4.29000 | -.05000 | -.07000 | 2.06500 | -.12000 | .02000 | -.45700 | -.45900 | 1571.00000 |
| 1.048 | 12.000 | 4.34000 | -.04000 | -.05000 | 2.14400 | -.10000 | .01000 | -.46000 | -.46000 | 1571.00000 |
| 1.046 | 14.010 | 4.36000 | .00000 | -.10000 | 2.13900 | -.10000 | .10000 | -.47300 | -.47300 | 1571.00000 |
| 1.046 | 16.000 | 4.38000 | -.02000 | -.07000 | 2.09600 | -.09000 | .05000 | -.48200 | -.48300 | 1571.00000 |
| 1.048 | 17.940 | 4.39000 | -.05000 | -.05000 | 2.02500 | -.10000 | .00000 | -.49900 | -.49800 | 1571.00000 |
| 1.046 | 19.940 | 4.42000 | -.06000 | -.04000 | 1.92200 | -.10000 | -.02000 | -.53000 | -.53000 | 1571.00000 |
| | GRADIENT | .00407 | -.00454 | -.00113 | .36068 | -.00376 | -.00314 | .00094 | .00117 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B088) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 144/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -6.320 | 5.07000 | -.02000 | -.03000 | 1.87100 | -.05000 | .00000 | -.30900 | -.31100 | 1425.00000 |
| .899 | -4.240 | 5.04000 | -.02000 | -.04000 | 1.87000 | -.06000 | .02000 | -.28200 | -.28700 | 1425.00000 |
| .898 | -3.190 | 5.03000 | -.02000 | -.05000 | 1.88200 | -.08000 | .03000 | -.27100 | -.26700 | 1425.00000 |
| .899 | -2.130 | 5.05000 | -.02000 | -.06000 | 1.87100 | -.08000 | .03000 | -.26300 | -.26300 | 1425.00000 |
| .899 | -1.080 | 5.01000 | -.03000 | -.05000 | 1.83500 | -.07000 | .02000 | -.26400 | -.26300 | 1425.00000 |
| .900 | .000 | 5.02000 | -.01000 | -.06000 | 1.80500 | -.07000 | .04000 | -.26100 | -.26100 | 1425.00000 |
| .902 | 1.020 | 5.03000 | -.02000 | -.06000 | 1.82100 | -.07000 | .04000 | -.26800 | -.26300 | 1425.00000 |
| .900 | 2.100 | 5.01000 | -.02000 | -.06000 | 1.82200 | -.07000 | .04000 | -.26000 | -.26000 | 1425.00000 |
| .900 | 3.120 | 5.02000 | -.02000 | -.06000 | 1.82700 | -.07000 | .04000 | -.27100 | -.27000 | 1425.00000 |
| .900 | 4.170 | 5.00000 | -.01000 | -.06000 | 1.80500 | -.07000 | .05000 | -.28000 | -.27500 | 1425.00000 |
| .899 | 6.260 | 4.98000 | -.02000 | -.05000 | 1.80200 | -.08000 | .03000 | -.30200 | -.30200 | 1425.00000 |
| .900 | 8.360 | 4.99000 | -.02000 | -.05000 | 1.84300 | -.08000 | .03000 | -.33200 | -.33900 | 1425.00000 |
| | GRADIENT | -.00396 | .00079 | -.00190 | -.00852 | .00016 | .00301 | .00017 | .00072 | .00000 |

RUN NO. 134/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.310 | 5.05000 | .00000 | -.01000 | 1.71700 | -.01000 | .00000 | -.37500 | -.36900 | 1477.00000 |
| .947 | -4.230 | 5.01000 | -.04000 | -.05000 | 1.75600 | -.09000 | .01000 | -.32400 | -.33100 | 1477.00000 |
| .950 | -3.190 | 5.00000 | -.01000 | -.02000 | 1.78000 | -.03000 | .01000 | -.32600 | -.31200 | 1477.00000 |
| .947 | -2.130 | 5.01000 | -.03000 | -.05000 | 1.80200 | -.08000 | .01000 | -.30700 | -.31300 | 1477.00000 |
| .948 | -1.080 | 4.99000 | -.03000 | -.03000 | 1.77100 | -.06000 | .00000 | -.29800 | -.29300 | 1477.00000 |
| .951 | .000 | 4.98000 | -.04000 | -.03000 | 1.76300 | -.07000 | -.02000 | -.30300 | -.29800 | 1477.00000 |
| .947 | 1.010 | 5.02000 | .00000 | -.06000 | 1.80200 | -.06000 | .05000 | -.30400 | -.30200 | 1477.00000 |
| .949 | 2.080 | 5.01000 | -.02000 | -.05000 | 1.79700 | -.07000 | .03000 | -.30700 | -.29800 | 1477.00000 |
| .948 | 3.110 | 5.00000 | -.03000 | -.05000 | 1.79700 | -.09000 | .02000 | -.32500 | -.32300 | 1477.00000 |
| .948 | 4.160 | 5.00000 | -.02000 | -.06000 | 1.74100 | -.08000 | .04000 | -.33500 | -.34100 | 1477.00000 |
| .949 | 6.250 | 4.98000 | -.04000 | -.04000 | 1.65200 | -.08000 | .00000 | -.37200 | -.38200 | 1477.00000 |
| .948 | 8.350 | 4.99000 | -.04000 | -.04000 | 1.62700 | -.07000 | .00000 | -.39800 | -.39500 | 1477.00000 |
| | GRADIENT | -.00017 | .00110 | -.00253 | .00019 | -.00191 | .00379 | -.00074 | -.00081 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28088) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 126/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -6.320 | 5.17000 | .01000 | -.07000 | 1.41700 | -.06000 | .08000 | -.46700 | -.46700 | 1572.00000 |
| 1.047 | -4.250 | 5.12000 | .01000 | -.07000 | 1.41400 | -.06000 | .08000 | -.43800 | -.43800 | 1572.00000 |
| 1.047 | -3.200 | 5.11000 | -.01000 | -.06000 | 1.41600 | -.07000 | .05000 | -.42900 | -.42700 | 1572.00000 |
| 1.048 | -2.140 | 5.11000 | .00000 | -.07000 | 1.42000 | -.07000 | .07000 | -.41800 | -.41800 | 1572.00000 |
| 1.049 | -1.090 | 5.08000 | -.01000 | -.06000 | 1.42800 | -.07000 | .05000 | -.41100 | -.41100 | 1572.00000 |
| 1.047 | -.010 | 5.08000 | .01000 | -.08000 | 1.43100 | -.07000 | .10000 | -.40000 | -.40500 | 1572.00000 |
| 1.048 | 1.010 | 5.12000 | .01000 | -.08000 | 1.42800 | -.07000 | .09000 | -.40400 | -.40600 | 1572.00000 |
| 1.046 | 2.090 | 5.10000 | -.01000 | -.06000 | 1.41900 | -.08000 | .05000 | -.41700 | -.41800 | 1572.00000 |
| 1.048 | 3.120 | 5.11000 | -.05000 | -.07000 | 1.40500 | -.12000 | .02000 | -.42200 | -.42200 | 1572.00000 |
| 1.048 | 4.170 | 5.11000 | -.02000 | -.05000 | 1.38700 | -.06000 | .03000 | -.43500 | -.43400 | 1572.00000 |
| 1.046 | 6.260 | 5.10000 | -.02000 | -.05000 | 1.36600 | -.07000 | .03000 | -.47100 | -.47000 | 1572.00000 |
| 1.047 | 8.370 | 5.13000 | -.03000 | -.05000 | 1.36500 | -.08000 | .02000 | -.49100 | -.49000 | 1572.00000 |
| | GRADIENT | -.00033 | -.00379 | .00079 | -.00225 | -.00269 | -.00457 | .00067 | .00058 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B089) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 135/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.240 | 14.92000 | -.02000 | -.05000 | 2.39100 | -.07000 | .04000 | -.38900 | -.38300 | 1479.00000 |
| .949 | -4.170 | 14.97000 | -.04000 | -.04000 | 2.36800 | -.07000 | .00000 | -.36700 | -.36200 | 1479.00000 |
| .948 | -3.120 | 14.94000 | -.04000 | -.04000 | 2.36300 | -.08000 | .00000 | -.35300 | -.36200 | 1479.00000 |
| .949 | -2.070 | 14.95000 | -.05000 | -.03000 | 2.35900 | -.08000 | -.01000 | -.34500 | -.35800 | 1479.00000 |
| .949 | -1.020 | 14.94000 | -.04000 | -.03000 | 2.35900 | -.08000 | -.01000 | -.34800 | -.34200 | 1479.00000 |
| .948 | .040 | 14.94000 | -.03000 | -.04000 | 2.36800 | -.07000 | .01000 | -.33500 | -.33700 | 1479.00000 |
| .948 | 1.060 | 14.91000 | -.03000 | -.03000 | 2.36800 | -.06000 | .00000 | -.35600 | -.34900 | 1479.00000 |
| .949 | 2.130 | 14.94000 | -.03000 | -.04000 | 2.37300 | -.08000 | .01000 | -.36100 | -.36000 | 1479.00000 |
| .947 | 3.190 | 14.93000 | -.03000 | -.04000 | 2.38500 | -.06000 | .01000 | -.35600 | -.36200 | 1479.00000 |
| .949 | 4.190 | 14.96000 | -.03000 | -.05000 | 2.38900 | -.08000 | .01000 | -.36800 | -.36800 | 1479.00000 |
| .950 | 6.300 | 14.94000 | -.02000 | -.06000 | 2.39200 | -.07000 | .04000 | -.39400 | -.39600 | 1479.00000 |
| .948 | 8.430 | 14.96000 | -.01000 | -.04000 | 2.41300 | -.05000 | .03000 | -.39000 | -.39500 | 1479.00000 |
| | GRADIENT | -.00192 | .00191 | -.00095 | .00297 | .00064 | .00191 | -.00083 | -.00055 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B090) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 136/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -6.230 | 14.91000 | -.02000 | -.04000 | 2.39100 | -.07000 | .02000 | -.38300 | -.38400 | 1474.00000 |
| .949 | -4.230 | 14.92000 | -.01000 | -.03000 | 2.38000 | -.04000 | .02000 | -.36300 | -.37300 | 1474.00000 |
| .947 | -3.190 | 14.91000 | -.02000 | -.03000 | 2.37000 | -.05000 | .01000 | -.35200 | -.35700 | 1474.00000 |
| .948 | -2.140 | 14.92000 | -.03000 | -.03000 | 2.36100 | -.06000 | .01000 | -.35300 | -.35500 | 1474.00000 |
| .949 | -1.090 | 14.94000 | -.04000 | -.02000 | 2.35600 | -.06000 | -.02000 | -.34700 | -.34200 | 1474.00000 |
| .948 | -.020 | 14.95000 | -.03000 | -.02000 | 2.36200 | -.05000 | .00000 | -.34100 | -.34800 | 1474.00000 |
| .951 | 1.020 | 14.98000 | -.06000 | -.02000 | 2.36500 | -.08000 | -.04000 | -.35100 | -.35800 | 1474.00000 |
| .950 | 2.100 | 14.99000 | -.05000 | -.03000 | 2.36800 | -.09000 | -.02000 | -.36500 | -.36000 | 1474.00000 |
| .946 | 3.180 | 14.97000 | -.03000 | -.03000 | 2.38100 | -.06000 | -.01000 | -.37300 | -.36100 | 1474.00000 |
| .948 | 4.230 | 14.97000 | -.04000 | -.03000 | 2.38800 | -.06000 | -.01000 | -.36100 | -.35700 | 1474.00000 |
| .949 | 6.360 | 14.96000 | -.02000 | -.04000 | 2.39100 | -.06000 | .02000 | -.38600 | -.38300 | 1474.00000 |
| .946 | 8.430 | 14.95000 | .00000 | -.04000 | 2.41500 | -.04000 | .03000 | -.38500 | -.39800 | 1474.00000 |
| | GRADIENT | .00880 | -.00329 | -.00001 | .00140 | -.00298 | -.00407 | -.00132 | .00040 | .00000 |

ARC 200-1 !!(LA77) OV101 - TO + BETA (A28091) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 145/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -6.300 | 5.10000 | -10.09000 | 5.00000 | .76000 | -5.08000 | -15.09000 | -.28900 | -.28800 | 1423.00000 |
| .900 | -4.230 | 5.06000 | -10.08000 | 4.99000 | .74300 | -5.09000 | -15.08000 | -.27300 | -.26900 | 1423.00000 |
| .900 | -3.180 | 5.05000 | -10.08000 | 4.99000 | .72700 | -5.10000 | -15.07000 | -.26500 | -.26500 | 1423.00000 |
| .900 | -2.130 | 5.05000 | -10.08000 | 4.98000 | .71300 | -5.10000 | -15.06000 | -.26000 | -.26000 | 1423.00000 |
| .899 | -1.080 | 5.02000 | -10.09000 | 4.99000 | .69000 | -5.10000 | -15.08000 | -.25900 | -.25800 | 1423.00000 |
| .900 | -.010 | 5.04000 | -10.10000 | 4.99000 | .69200 | -5.11000 | -15.10000 | -.25700 | -.25600 | 1423.00000 |
| .901 | 1.030 | 5.05000 | -10.10000 | 5.01000 | .69800 | -5.09000 | -15.11000 | -.25500 | -.25200 | 1423.00000 |
| .901 | 2.090 | 5.03000 | -10.08000 | 5.02000 | .70000 | -5.06000 | -15.10000 | -.25400 | -.25400 | 1423.00000 |
| .898 | 3.120 | 5.05000 | -10.08000 | 5.03000 | .70000 | -5.05000 | -15.11000 | -.25400 | -.25200 | 1423.00000 |
| .901 | 4.180 | 5.04000 | -10.08000 | 5.03000 | .68600 | -5.05000 | -15.10000 | -.26200 | -.26300 | 1423.00000 |
| .898 | 6.270 | 5.01000 | -10.08000 | 5.02000 | .71400 | -5.06000 | -15.09000 | -.29200 | -.30400 | 1423.00000 |
| .900 | 8.360 | 5.02000 | -10.07000 | 5.01000 | .77900 | -5.06000 | -15.07000 | -.32500 | -.31600 | 1423.00000 |
| | GRADIENT | -.00143 | -.00016 | .00602 | -.00519 | .00633 | -.00492 | .00148 | .00128 | -.00000 |

RUN NO. 137/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -6.310 | 5.07000 | -10.12000 | 5.04000 | .71000 | -5.08000 | -15.16000 | -.32700 | -.32600 | 1475.00000 |
| .949 | -4.240 | 5.04000 | -10.12000 | 5.05000 | .69400 | -5.07000 | -15.17000 | -.30200 | -.30400 | 1475.00000 |
| .947 | -3.190 | 5.03000 | -9.96000 | 5.00000 | .70900 | -4.97000 | -14.96000 | -.29900 | -.30000 | 1475.00000 |
| .947 | -2.130 | 5.03000 | -10.08000 | 5.00000 | .70000 | -5.08000 | -15.07000 | -.27800 | -.28000 | 1475.00000 |
| .948 | -1.080 | 5.01000 | -10.08000 | 5.01000 | .68600 | -5.07000 | -15.09000 | -.28900 | -.29200 | 1475.00000 |
| .949 | .000 | 5.00000 | -10.08000 | 5.02000 | .67600 | -5.06000 | -15.10000 | -.29100 | -.30000 | 1475.00000 |
| .948 | 1.020 | 5.03000 | -10.08000 | 5.04000 | .68800 | -5.05000 | -15.12000 | -.30300 | -.30800 | 1475.00000 |
| .948 | 2.090 | 5.01000 | -10.08000 | 5.03000 | .69500 | -5.05000 | -15.11000 | -.31700 | -.31200 | 1475.00000 |
| .947 | 3.120 | 5.01000 | -10.09000 | 5.04000 | .69500 | -5.05000 | -15.13000 | -.31400 | -.31500 | 1475.00000 |
| .949 | 4.180 | 5.00000 | -10.09000 | 5.05000 | .66800 | -5.04000 | -15.14000 | -.31900 | -.31700 | 1475.00000 |
| .950 | 6.260 | 4.98000 | -10.11000 | 5.06000 | .65200 | -5.04000 | -15.17000 | -.34600 | -.34300 | 1475.00000 |
| .948 | 8.330 | 4.98000 | -10.12000 | 5.08000 | .66100 | -5.05000 | -15.20000 | -.37000 | -.37500 | 1475.00000 |
| | GRADIENT | -.00381 | -.00428 | .00332 | -.00244 | -.00064 | -.00792 | -.00324 | -.00280 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B091) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 127/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -6.340 | 5.10000 | -10.07000 | 5.01000 | .73400 | -5.06000 | -15.08000 | -.46700 | -.46900 | 1571.00000 |
| 1.047 | -4.260 | 5.05000 | -10.06000 | 5.00000 | .71400 | -5.06000 | -15.06000 | -.45500 | -.45700 | 1571.00000 |
| 1.047 | -3.210 | 5.04000 | -10.06000 | 5.00000 | .70600 | -5.06000 | -15.06000 | -.45400 | -.45100 | 1571.00000 |
| 1.047 | -2.150 | 5.04000 | -10.06000 | 5.00000 | .69300 | -5.06000 | -15.06000 | -.45300 | -.45300 | 1571.00000 |
| 1.048 | -1.090 | 5.01000 | -10.06000 | 5.00000 | .70200 | -5.06000 | -15.07000 | -.44900 | -.44700 | 1571.00000 |
| 1.046 | -.010 | 5.03000 | -10.06000 | 5.00000 | .69400 | -5.06000 | -15.07000 | -.44600 | -.44700 | 1571.00000 |
| 1.048 | 1.020 | 5.04000 | -10.06000 | 5.00000 | .70000 | -5.06000 | -15.07000 | -.44100 | -.44200 | 1571.00000 |
| 1.048 | 2.090 | 5.02000 | -10.07000 | 5.01000 | .68400 | -5.06000 | -15.08000 | -.44000 | -.43900 | 1571.00000 |
| 1.047 | 3.120 | 5.02000 | -10.06000 | 5.01000 | .67800 | -5.06000 | -15.07000 | -.46100 | -.46200 | 1571.00000 |
| 1.048 | 4.180 | 5.01000 | -10.06000 | 5.01000 | .65300 | -5.05000 | -15.07000 | -.45800 | -.45800 | 1571.00000 |
| 1.048 | 6.280 | 5.00000 | -10.07000 | 5.01000 | .63500 | -5.06000 | -15.08000 | -.47000 | -.47000 | 1571.00000 |
| 1.046 | 8.380 | 5.01000 | -10.08000 | 5.02000 | .65700 | -5.06000 | -15.10000 | -.48500 | -.48700 | 1571.00000 |
| | GRADIENT | -.00363 | -.00032 | .00142 | -.00549 | .00063 | -.00174 | .00002 | -.00006 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28092) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 146/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.930 | -.03000 | -10.06000 | 5.01000 | -2.47800 | -5.05000 | -15.08000 | -.27900 | -.27900 | 1424.00000 |
| .900 | -.010 | -.02000 | -10.08000 | 5.01000 | -1.80800 | -5.07000 | -15.09000 | -.27500 | -.27300 | 1424.00000 |
| .900 | 2.020 | -.01000 | -10.08000 | 5.01000 | -.91100 | -5.07000 | -15.09000 | -.26800 | -.26600 | 1424.00000 |
| .900 | 3.000 | -.01000 | -10.10000 | 5.02000 | -.41200 | -5.08000 | -15.12000 | -.26400 | -.26200 | 1424.00000 |
| .899 | 4.020 | .00000 | -10.07000 | 4.99000 | .16800 | -5.08000 | -15.07000 | -.25700 | -.25800 | 1424.00000 |
| .901 | 5.030 | -.01000 | -10.10000 | 5.02000 | .67800 | -5.08000 | -15.11000 | -.25800 | -.26000 | 1424.00000 |
| .899 | 6.010 | -.01000 | -10.08000 | 5.01000 | 1.12300 | -5.07000 | -15.09000 | -.25500 | -.25600 | 1424.00000 |
| .900 | 7.020 | -.01000 | -10.08000 | 5.01000 | 1.46600 | -5.08000 | -15.09000 | -.25400 | -.25400 | 1424.00000 |
| .900 | 7.990 | -.02000 | -10.09000 | 5.02000 | 1.72700 | -5.07000 | -15.10000 | -.25300 | -.25200 | 1424.00000 |
| .901 | 9.000 | .01000 | -10.09000 | 5.01000 | 1.94800 | -5.08000 | -15.09000 | -.25200 | -.25400 | 1424.00000 |
| .899 | 10.010 | .00000 | -10.09000 | 5.02000 | 2.07300 | -5.08000 | -15.11000 | -.25700 | -.25500 | 1424.00000 |
| .900 | 11.990 | .00000 | -10.09000 | 5.02000 | 2.22000 | -5.07000 | -15.11000 | -.25100 | -.25600 | 1424.00000 |
| .902 | 14.000 | -.01000 | -10.08000 | 4.99000 | 2.21000 | -5.09000 | -15.07000 | -.27800 | -.27600 | 1424.00000 |
| .898 | 15.970 | .00000 | -10.10000 | 5.01000 | 2.15200 | -5.09000 | -15.11000 | -.29400 | -.30000 | 1424.00000 |
| .900 | 17.970 | .00000 | -10.09000 | 5.02000 | 2.06600 | -5.07000 | -15.12000 | -.31700 | -.31500 | 1424.00000 |
| .899 | 19.970 | .02000 | -10.10000 | 5.02000 | 1.96200 | -5.08000 | -15.12000 | -.34900 | -.34700 | 1424.00000 |
| | GRADIENT | .00469 | -.00317 | -.00158 | .44250 | -.00475 | -.00126 | .00357 | .00353 | .00000 |

RUN NO. 138/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.980 | -.03000 | -9.92000 | 5.00000 | -2.26800 | -4.92000 | -14.92000 | -.31800 | -.32200 | 1476.00000 |
| .949 | .000 | -.02000 | -9.93000 | 5.14000 | -1.61500 | -4.79000 | -15.06000 | -.30600 | -.30600 | 1476.00000 |
| .949 | 2.000 | -.01000 | -10.05000 | 5.00000 | -.75100 | -5.05000 | -15.04000 | -.30000 | -.29700 | 1476.00000 |
| .948 | 3.010 | -.01000 | -10.06000 | 5.01000 | -.27700 | -5.06000 | -15.07000 | -.30700 | -.30100 | 1476.00000 |
| .948 | 4.050 | -.01000 | -10.07000 | 5.01000 | .22800 | -5.07000 | -15.08000 | -.29200 | -.29500 | 1476.00000 |
| .949 | 5.030 | -.01000 | -10.06000 | 4.99000 | .68900 | -5.07000 | -15.05000 | -.29500 | -.30200 | 1476.00000 |
| .948 | 6.010 | -.01000 | -10.07000 | 4.98000 | 1.09000 | -5.09000 | -15.05000 | -.29000 | -.30000 | 1476.00000 |
| .948 | 6.960 | -.02000 | -10.10000 | 4.97000 | 1.40500 | -5.13000 | -15.07000 | -.29000 | -.30100 | 1476.00000 |
| .948 | 7.930 | -.02000 | -10.05000 | 4.93000 | 1.66400 | -5.12000 | -14.99000 | -.28500 | -.29100 | 1476.00000 |
| .947 | 8.960 | .01000 | -10.22000 | 4.98000 | 1.85000 | -5.24000 | -15.20000 | -.29900 | -.29800 | 1476.00000 |
| .948 | 9.940 | .01000 | -10.08000 | 5.00000 | 2.01800 | -5.07000 | -15.08000 | -.28900 | -.29900 | 1476.00000 |
| .948 | 11.990 | .01000 | -10.12000 | 5.05000 | 2.17500 | -5.08000 | -15.17000 | -.30400 | -.30200 | 1476.00000 |
| .949 | 14.020 | .01000 | -10.16000 | 5.09000 | 2.19200 | -5.07000 | -15.26000 | -.33100 | -.32900 | 1476.00000 |
| .947 | 16.000 | .02000 | -9.91000 | 5.10000 | 2.15500 | -4.80000 | -15.01000 | -.35000 | -.35300 | 1476.00000 |
| .947 | 17.960 | -.03000 | -10.12000 | 4.99000 | 2.07700 | -5.13000 | -15.11000 | -.35600 | -.35900 | 1476.00000 |
| .950 | 20.020 | .00000 | -10.08000 | 4.98000 | 1.96900 | -5.11000 | -15.06000 | -.38300 | -.38900 | 1476.00000 |
| | GRADIENT | .00351 | -.02911 | -.00668 | .41568 | -.03760 | -.02279 | .00341 | .00413 | .00000 |

ARC 200-1 11(LA77) OV101 (A28092) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 55.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 128/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.000 | -.04000 | -10.05000 | 4.97000 | -1.66000 | -5.07000 | -15.02000 | -.43500 | -.43800 | 1568.00000 |
| 1.047 | -.060 | -.03000 | -10.14000 | 4.96000 | -1.09700 | -5.18000 | -15.10000 | -.42900 | -.42800 | 1568.00000 |
| 1.047 | 1.960 | -.02000 | -10.06000 | 4.97000 | -.36100 | -5.09000 | -15.02000 | -.43200 | -.43300 | 1568.00000 |
| 1.048 | 2.940 | -.02000 | -10.12000 | 5.00000 | -.01100 | -5.12000 | -15.12000 | -.43300 | -.43700 | 1568.00000 |
| 1.046 | 3.980 | -.02000 | -10.12000 | 5.05000 | .35100 | -5.07000 | -15.18000 | -.44300 | -.44600 | 1568.00000 |
| 1.046 | 4.990 | -.02000 | -10.10000 | 5.02000 | .67300 | -5.08000 | -15.12000 | -.44600 | -.44700 | 1568.00000 |
| 1.047 | 5.970 | -.02000 | -10.11000 | 5.00000 | .94100 | -5.11000 | -15.11000 | -.45100 | -.45000 | 1568.00000 |
| 1.047 | 6.950 | -.03000 | -10.12000 | 4.99000 | 1.16600 | -5.13000 | -15.11000 | -.45700 | -.45500 | 1568.00000 |
| 1.047 | 7.910 | -.03000 | -10.16000 | 5.00000 | 1.34700 | -5.16000 | -15.16000 | -.46100 | -.46300 | 1568.00000 |
| 1.047 | 8.930 | .00000 | -10.10000 | 5.01000 | 1.51500 | -5.09000 | -15.11000 | -.46400 | -.46400 | 1568.00000 |
| 1.047 | 9.940 | -.01000 | -10.09000 | 5.02000 | 1.65500 | -5.07000 | -15.11000 | -.46900 | -.47000 | 1568.00000 |
| 1.048 | 11.890 | -.02000 | -10.11000 | 5.04000 | 1.83500 | -5.07000 | -15.15000 | -.44900 | -.45000 | 1568.00000 |
| 1.045 | 13.880 | -.02000 | -10.13000 | 5.06000 | 1.89700 | -5.07000 | -15.20000 | -.45900 | -.45800 | 1568.00000 |
| 1.048 | 16.010 | -.02000 | -10.09000 | 5.02000 | 1.92200 | -5.07000 | -15.11000 | -.46800 | -.46700 | 1568.00000 |
| 1.047 | 17.980 | -.02000 | -10.11000 | 5.03000 | 1.90200 | -5.07000 | -15.14000 | -.48800 | -.48800 | 1568.00000 |
| 1.045 | 20.010 | .00000 | -10.08000 | 5.03000 | 1.85400 | -5.05000 | -15.10000 | -.50900 | -.51000 | 1568.00000 |
| | GRADIENT | .00293 | -.00522 | .01064 | .33971 | .00425 | -.01645 | -.00175 | -.00184 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B093) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 170/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.970 | -.02000 | -.03000 | -.05000 | -1.65500 | -.08000 | .02000 | -.26300 | -.26500 | 864.80000 |
| .596 | .100 | -.02000 | -.03000 | -.05000 | -.66200 | -.08000 | .02000 | -.25200 | -.25000 | 864.80000 |
| .597 | 2.050 | -.02000 | -.03000 | -.04000 | .40500 | -.07000 | .01000 | -.24600 | -.24500 | 864.80000 |
| .597 | 4.030 | -.01000 | -.03000 | -.04000 | 1.46400 | -.07000 | .01000 | -.23900 | -.23600 | 864.80000 |
| .597 | 6.010 | -.01000 | -.04000 | -.05000 | 2.44600 | -.08000 | .01000 | -.23400 | -.23300 | 864.80000 |
| .597 | 7.980 | -.02000 | -.07000 | -.07000 | 3.21500 | -.13000 | .00000 | -.23000 | -.23500 | 864.80000 |
| .597 | 9.990 | -.01000 | -.06000 | -.03000 | 3.68000 | -.09000 | -.03000 | -.23000 | -.23000 | 864.80000 |
| .596 | 11.050 | -.01000 | -.02000 | -.04000 | 3.79700 | -.06000 | .02000 | -.23400 | -.23400 | 864.80000 |
| .596 | 12.040 | -.02000 | -.05000 | -.05000 | 3.80600 | -.11000 | .00000 | -.23200 | -.23300 | 864.80000 |
| .596 | 13.020 | -.01000 | -.08000 | -.05000 | 3.73100 | -.13000 | -.03000 | -.23700 | -.23700 | 864.80000 |
| .597 | 13.990 | -.01000 | -.06000 | -.03000 | 3.50700 | -.09000 | -.02000 | -.24200 | -.24300 | 864.80000 |
| .596 | 15.000 | -.01000 | -.01000 | -.07000 | 3.27800 | -.08000 | .06000 | -.24700 | -.24500 | 864.80000 |
| .597 | 16.020 | -.01000 | .00000 | -.11000 | 3.08300 | -.11000 | .10000 | -.25500 | -.25100 | 864.80000 |
| .597 | 17.980 | .01000 | -.02000 | -.03000 | 2.75700 | -.05000 | .02000 | -.28500 | -.27200 | 864.80000 |
| .596 | 19.970 | .03000 | -.02000 | -.04000 | 2.47500 | -.06000 | .02000 | -.30800 | -.30800 | 864.80000 |
| | GRADIENT | .00150 | .00000 | .00200 | .52232 | .00200 | -.00200 | .00392 | .00462 | .00000 |

RUN NO. 151/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -1.930 | -.04000 | -.01000 | -.02000 | -.80500 | -.03000 | .01000 | -.36700 | -.36800 | 1400.00000 |
| 1.197 | -.010 | -.03000 | -.05000 | -.04000 | -.16200 | -.09000 | -.01000 | -.36400 | -.36500 | 1400.00000 |
| 1.196 | 2.020 | -.03000 | -.07000 | -.03000 | .50000 | -.10000 | -.04000 | -.35700 | -.35900 | 1400.00000 |
| 1.196 | 3.980 | -.03000 | -.08000 | -.01000 | 1.05400 | -.09000 | -.06000 | -.35900 | -.35800 | 1400.00000 |
| 1.197 | 5.990 | -.04000 | -.03000 | -.01000 | 1.51000 | -.04000 | -.02000 | -.36100 | -.36300 | 1400.00000 |
| 1.196 | 8.000 | -.05000 | -.02000 | -.02000 | 1.82600 | -.04000 | -.01000 | -.37600 | -.37600 | 1400.00000 |
| 1.198 | 10.010 | -.03000 | -.03000 | -.02000 | 2.01000 | -.04000 | -.01000 | -.38000 | -.38100 | 1400.00000 |
| 1.197 | 11.010 | -.04000 | -.02000 | -.01000 | 2.07600 | -.03000 | -.01000 | -.38500 | -.38400 | 1400.00000 |
| 1.198 | 12.030 | -.03000 | -.03000 | -.02000 | 2.10300 | -.04000 | -.01000 | -.38600 | -.38900 | 1400.00000 |
| 1.196 | 13.280 | -.02000 | .02000 | .00000 | 2.11100 | .02000 | .02000 | -.39600 | -.39600 | 1400.00000 |
| 1.197 | 14.030 | -.02000 | -.03000 | -.02000 | 2.10200 | -.05000 | -.01000 | -.40100 | -.40000 | 1400.00000 |
| 1.197 | 15.030 | -.03000 | -.04000 | -.02000 | 2.07800 | -.06000 | -.02000 | -.41000 | -.40900 | 1400.00000 |
| 1.197 | 16.040 | -.02000 | -.04000 | -.02000 | 2.04700 | -.06000 | -.02000 | -.42200 | -.42200 | 1400.00000 |
| 1.197 | 17.940 | -.01000 | -.02000 | -.03000 | 1.98100 | -.05000 | .02000 | -.43800 | -.43700 | 1400.00000 |
| 1.195 | 20.000 | .00000 | -.03000 | -.03000 | 1.88500 | -.06000 | -.01000 | -.46500 | -.46600 | 1400.00000 |
| | GRADIENT | .00151 | -.01162 | .00205 | .31572 | -.00956 | -.01215 | .00157 | .00182 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28094) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 171/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.930 | -.02000 | -9.91000 | .02000 | -3.14000 | -9.89000 | -9.93000 | -.24600 | -.24400 | 864.50000 |
| .596 | -.020 | -.02000 | -9.91000 | .02000 | -2.51200 | -9.89000 | -9.93000 | -.23500 | -.24100 | 864.50000 |
| .597 | 2.010 | -.01000 | -9.91000 | .01000 | -1.72500 | -9.90000 | -9.93000 | -.22300 | -.22500 | 864.50000 |
| .596 | 4.000 | -.02000 | -9.91000 | .02000 | -.69200 | -9.90000 | -9.93000 | -.22000 | -.21600 | 864.50000 |
| .597 | 6.100 | -.02000 | -9.91000 | .01000 | .52600 | -9.90000 | -9.93000 | -.21800 | -.21900 | 864.50000 |
| .597 | 7.970 | -.01000 | -9.92000 | .02000 | 1.59900 | -9.90000 | -9.94000 | -.21400 | -.21400 | 864.50000 |
| .597 | 10.000 | -.01000 | -9.93000 | .03000 | 2.54700 | -9.90000 | -9.96000 | -.21100 | -.21200 | 864.50000 |
| .597 | 10.970 | -.01000 | -9.93000 | .03000 | 2.86600 | -9.90000 | -9.96000 | -.21600 | -.21400 | 864.50000 |
| .597 | 12.010 | -.01000 | -9.94000 | .04000 | 3.10100 | -9.90000 | -9.98000 | -.21900 | -.21500 | 864.50000 |
| .597 | 12.980 | -.01000 | -9.88000 | -.01000 | 3.23400 | -9.89000 | -9.86000 | -.22100 | -.22100 | 864.50000 |
| .596 | 13.980 | -.01000 | -9.93000 | .03000 | 3.20400 | -9.89000 | -9.96000 | -.22500 | -.22300 | 864.50000 |
| .597 | 14.970 | -.01000 | -9.89000 | .06000 | 3.08000 | -9.83000 | -9.95000 | -.23700 | -.23700 | 864.50000 |
| .597 | 16.010 | -.01000 | -9.94000 | -.01000 | 2.93500 | -9.94000 | -9.93000 | -.23900 | -.23300 | 864.50000 |
| .597 | 17.990 | .01000 | -9.96000 | .01000 | 2.68300 | -9.96000 | -9.97000 | -.24800 | -.25200 | 864.50000 |
| .596 | 19.970 | .03000 | -9.94000 | .01000 | 2.42700 | -9.93000 | -9.96000 | -.28000 | -.28300 | 864.50000 |
| | GRADIENT | .00051 | -.00000 | -.00051 | .41056 | -.00203 | -.00000 | .00454 | .00506 | .00000 |

RUN NO. 152/ 0 RN/L = 6.89 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -1.930 | -.04000 | -9.91000 | -.01000 | -1.24100 | -9.92000 | -9.90000 | -.40900 | -.41100 | 1400.00000 |
| 1.197 | .040 | -.03000 | -9.91000 | -.03000 | -.65000 | -9.94000 | -9.88000 | -.40500 | -.40600 | 1400.00000 |
| 1.197 | 2.020 | -.03000 | -9.92000 | -.02000 | -.02000 | -9.94000 | -9.90000 | -.40000 | -.39700 | 1400.00000 |
| 1.197 | 3.990 | -.03000 | -9.93000 | -.01000 | .56300 | -9.94000 | -9.92000 | -.40300 | -.40100 | 1400.00000 |
| 1.198 | 5.970 | -.04000 | -9.97000 | .03000 | 1.06900 | -9.94000 | -10.00000 | -.40900 | .00000 | 1400.00000 |
| 1.196 | 8.000 | -.04000 | -9.94000 | .00000 | 1.46400 | -9.94000 | -9.93000 | -.41700 | -.41600 | 1400.00000 |
| 1.195 | 10.010 | -.02000 | -9.93000 | -.01000 | 1.73700 | -9.94000 | -9.92000 | -.42200 | -.41900 | 1400.00000 |
| 1.197 | 11.050 | -.03000 | -9.96000 | .03000 | 1.83700 | -9.93000 | -9.99000 | -.41800 | -.41900 | 1400.00000 |
| 1.196 | 12.070 | -.03000 | -9.94000 | .02000 | 1.90200 | -9.92000 | -9.96000 | -.41200 | -.41200 | 1400.00000 |
| 1.195 | 13.050 | -.02000 | -9.92000 | .00000 | 1.94100 | -9.92000 | -9.92000 | -.42300 | -.42200 | 1400.00000 |
| 1.197 | 13.980 | -.02000 | -9.94000 | .02000 | 1.95900 | -9.92000 | -9.97000 | -.42700 | -.42600 | 1400.00000 |
| 1.195 | 15.060 | -.02000 | -9.90000 | -.02000 | 1.96300 | -9.92000 | -9.89000 | -.41500 | -.41500 | 1400.00000 |
| 1.196 | 15.980 | -.02000 | -9.90000 | -.02000 | 1.96200 | -9.92000 | -9.89000 | -.41600 | -.41400 | 1400.00000 |
| 1.196 | 18.020 | .00000 | -9.91000 | -.01000 | 1.92200 | -9.91000 | -9.90000 | -.42500 | -.42700 | 1400.00000 |
| 1.197 | 19.980 | .00000 | -9.92000 | .00000 | 1.85300 | -9.92000 | -9.91000 | -.43700 | -.43600 | 1400.00000 |
| | GRADIENT | .00152 | -.00355 | .00051 | .30608 | -.00304 | -.00405 | .00117 | .00198 | .00000 |

ARC 200-1 11(LA77) OV101 (A28095) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 172/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.800 | 4.10000 | -.04000 | -.05000 | -1.58500 | -.09000 | .01000 | -.26500 | -.26700 | 864.60000 |
| .597 | .130 | 4.13000 | -.04000 | -.05000 | -.64200 | -.08000 | .01000 | -.26200 | -.26300 | 864.60000 |
| .597 | 2.080 | 4.10000 | -.03000 | -.04000 | .41200 | -.08000 | .01000 | -.26300 | -.26400 | 864.60000 |
| .596 | 4.010 | 4.13000 | -.04000 | -.05000 | 1.47600 | -.09000 | .01000 | -.26100 | -.26300 | 864.60000 |
| .597 | 6.020 | 4.15000 | -.07000 | -.07000 | 2.50300 | -.15000 | .00000 | -.25100 | -.25400 | 864.60000 |
| .597 | 8.030 | 4.18000 | -.04000 | -.03000 | 3.28300 | -.08000 | -.01000 | -.24800 | -.25200 | 864.60000 |
| .597 | 10.040 | 4.20000 | .07000 | .05000 | 3.74500 | .11000 | .02000 | -.24800 | -.24700 | 864.60000 |
| .596 | 11.020 | 4.21000 | -.05000 | -.06000 | 3.84200 | -.11000 | .02000 | -.25200 | -.25700 | 864.60000 |
| .596 | 12.070 | 4.21000 | -.03000 | -.06000 | 3.86000 | -.09000 | .02000 | -.25400 | -.25500 | 864.60000 |
| .597 | 13.040 | 4.22000 | -.06000 | -.06000 | 3.80100 | -.11000 | .00000 | -.26000 | -.25700 | 864.60000 |
| .596 | 14.020 | 4.22000 | -.06000 | -.03000 | 3.51800 | -.09000 | -.02000 | -.26900 | -.26500 | 864.60000 |
| .597 | 15.020 | 4.22000 | -.11000 | -.02000 | 3.26800 | -.13000 | -.09000 | -.27000 | -.27300 | 864.60000 |
| .596 | 16.030 | 4.22000 | .05000 | .03000 | 3.08600 | .08000 | .03000 | -.27900 | -.27400 | 864.60000 |
| .596 | 18.000 | 4.24000 | -.04000 | -.06000 | 2.80400 | -.10000 | .02000 | -.28900 | -.29400 | 864.60000 |
| .597 | 19.950 | 4.24000 | -.04000 | -.05000 | 2.54000 | -.09000 | .01000 | -.32200 | -.32700 | 864.60000 |
| | GRADIENT | .00308 | .00052 | .00052 | .52823 | .00000 | .00000 | .00057 | .00057 | .00000 |

RUN NO. 153/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.910 | 4.16000 | -.01000 | -.06000 | -.81200 | -.07000 | .05000 | -.41000 | -.41100 | 1434.00000 |
| 1.198 | .020 | 4.18000 | .00000 | -.07000 | -.19100 | -.07000 | .07000 | -.40500 | -.40600 | 1434.00000 |
| 1.197 | 2.050 | 4.18000 | -.04000 | -.05000 | .46200 | -.10000 | .01000 | -.39900 | -.39600 | 1434.00000 |
| 1.197 | 4.050 | 4.19000 | .00000 | -.05000 | 1.04000 | -.05000 | .05000 | -.38700 | -.38500 | 1434.00000 |
| 1.198 | 6.020 | 4.20000 | .02000 | -.03000 | 1.49000 | -.01000 | .06000 | -.39000 | -.39000 | 1434.00000 |
| 1.198 | 8.030 | 4.23000 | -.01000 | -.04000 | 1.80100 | -.05000 | .04000 | -.39800 | -.39900 | 1434.00000 |
| 1.198 | 10.010 | 4.25000 | -.01000 | -.04000 | 1.99300 | -.05000 | .03000 | -.40600 | -.40600 | 1434.00000 |
| 1.196 | 11.070 | 4.29000 | -.01000 | -.04000 | 2.04200 | -.05000 | .03000 | -.41400 | -.41400 | 1434.00000 |
| 1.198 | 12.140 | 4.29000 | .00000 | -.05000 | 2.07200 | -.05000 | .04000 | -.41400 | -.41600 | 1434.00000 |
| 1.196 | 13.130 | 4.31000 | -.01000 | -.04000 | 2.08700 | -.05000 | .03000 | -.42300 | -.42300 | 1434.00000 |
| 1.198 | 14.030 | 4.31000 | -.03000 | -.03000 | 2.09100 | -.06000 | .01000 | -.42700 | -.42800 | 1434.00000 |
| 1.197 | 15.100 | 4.32000 | .01000 | -.05000 | 2.07700 | -.05000 | .06000 | -.43000 | -.43000 | 1434.00000 |
| 1.198 | 16.110 | 4.32000 | -.01000 | -.05000 | 2.04700 | -.06000 | .04000 | -.43900 | -.43900 | 1434.00000 |
| 1.196 | 18.060 | 4.34000 | .00000 | -.05000 | 1.97900 | -.06000 | .05000 | -.45200 | -.45300 | 1434.00000 |
| 1.196 | 19.990 | 4.36000 | -.04000 | -.03000 | 1.89500 | -.06000 | -.01000 | -.45400 | -.45400 | 1434.00000 |
| | GRADIENT | .00450 | -.00052 | .00254 | .31182 | .00151 | -.00305 | .00377 | .00443 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28096) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 173/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -6.190 | 10.96000 | -.08000 | .00000 | 3.85900 | -.08000 | -.08000 | -.26800 | -.26800 | 864.50000 |
| .597 | -4.150 | 10.97000 | -.05000 | -.02000 | 3.83000 | -.07000 | -.04000 | -.26000 | -.25300 | 864.50000 |
| .597 | -3.190 | 10.99000 | -.04000 | -.10000 | 3.80400 | -.15000 | .06000 | -.24100 | -.24500 | 864.50000 |
| .597 | -2.130 | 11.01000 | -.06000 | -.07000 | 3.78400 | -.12000 | .01000 | -.23500 | -.23700 | 864.50000 |
| .597 | -1.070 | 11.02000 | -.04000 | -.03000 | 3.77600 | -.07000 | -.01000 | -.23500 | -.23500 | 864.50000 |
| .597 | .010 | 11.10000 | -.05000 | -.03000 | 3.78300 | -.07000 | -.02000 | -.23100 | -.23200 | 864.50000 |
| .597 | 1.090 | 10.99000 | -.04000 | -.03000 | 3.78900 | -.08000 | -.01000 | -.23300 | -.23500 | 864.50000 |
| .596 | 2.170 | 10.99000 | -.03000 | -.02000 | 3.80600 | -.05000 | -.02000 | -.24100 | -.24500 | 864.50000 |
| .596 | 3.190 | 10.94000 | .00000 | -.04000 | 3.82400 | -.05000 | .04000 | -.24600 | -.24800 | 864.50000 |
| .597 | 4.210 | 10.89000 | -.01000 | -.04000 | 3.82700 | -.05000 | .03000 | -.25400 | -.24900 | 864.50000 |
| .596 | 6.240 | 10.85000 | -.02000 | -.05000 | 3.84700 | -.07000 | .02000 | -.25700 | -.25800 | 864.50000 |
| .596 | 8.290 | 10.84000 | -.04000 | -.05000 | 3.91600 | -.10000 | .01000 | -.27500 | -.28000 | 864.50000 |
| | GRADIENT | -.00854 | .00537 | .00323 | .00169 | .00812 | .00243 | -.00003 | -.00015 | -.00000 |

RUN NO. 154/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -6.190 | 10.10000 | -.06000 | -.02000 | 2.02700 | -.08000 | -.03000 | -.40800 | -.40900 | 1433.00000 |
| 1.198 | -4.150 | 10.08000 | -.02000 | -.05000 | 2.03500 | -.07000 | .03000 | -.40600 | -.40500 | 1433.00000 |
| 1.196 | -3.110 | 10.07000 | -.01000 | -.05000 | 2.03200 | -.06000 | .04000 | -.40100 | -.40300 | 1433.00000 |
| 1.197 | -2.080 | 10.04000 | -.01000 | -.06000 | 2.03100 | -.07000 | .05000 | -.39500 | -.39300 | 1433.00000 |
| 1.198 | -1.030 | 10.02000 | -.03000 | -.04000 | 2.02600 | -.08000 | .01000 | -.38400 | -.38500 | 1433.00000 |
| 1.197 | -.030 | 10.01000 | -.04000 | -.04000 | 2.01800 | -.08000 | .00000 | -.38200 | -.38200 | 1433.00000 |
| 1.197 | .990 | 10.05000 | -.02000 | -.02000 | 2.01500 | -.05000 | .00000 | -.38900 | -.38900 | 1433.00000 |
| 1.197 | 2.070 | 10.09000 | -.02000 | -.03000 | 2.01400 | -.05000 | .00000 | -.40000 | -.39900 | 1433.00000 |
| 1.199 | 3.110 | 10.08000 | -.02000 | -.03000 | 2.00800 | -.05000 | .00000 | -.39700 | -.39800 | 1433.00000 |
| 1.198 | 4.170 | 10.08000 | -.02000 | -.03000 | 1.99100 | -.05000 | .01000 | -.40500 | -.40700 | 1433.00000 |
| 1.198 | 6.270 | 10.07000 | -.03000 | -.05000 | 1.97200 | -.08000 | .03000 | -.42200 | -.42300 | 1433.00000 |
| 1.197 | 8.380 | 10.08000 | -.03000 | -.03000 | 1.96500 | -.06000 | .01000 | -.43900 | -.43900 | 1433.00000 |
| | GRADIENT | .00260 | -.00064 | .00352 | -.00471 | .00289 | -.00496 | .00000 | -.00016 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28097) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 166/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.930 | -.02000 | -.04000 | -.03000 | -1.54000 | -.07000 | -.01000 | -.29500 | -.29600 | 1396.00000 |
| .897 | .050 | -.02000 | -.04000 | -.02000 | -.56800 | -.06000 | -.01000 | -.28500 | -.28200 | 1396.00000 |
| .899 | 2.020 | -.01000 | -.03000 | -.01000 | .49200 | -.05000 | -.02000 | -.28000 | -.27600 | 1396.00000 |
| .898 | 3.020 | -.01000 | -.03000 | -.01000 | 1.00500 | -.04000 | -.02000 | -.26500 | -.26800 | 1396.00000 |
| .899 | 3.970 | -.01000 | -.03000 | -.01000 | 1.39000 | -.04000 | -.02000 | -.27600 | -.27400 | 1396.00000 |
| .897 | 5.010 | -.02000 | -.04000 | .01000 | 1.74400 | -.03000 | -.05000 | -.26400 | -.27000 | 1396.00000 |
| .898 | 5.990 | -.02000 | -.02000 | -.04000 | 2.05200 | -.06000 | .02000 | -.26000 | -.26500 | 1396.00000 |
| .897 | 7.010 | -.02000 | -.03000 | -.05000 | 2.25400 | -.08000 | .02000 | -.26500 | -.26100 | 1396.00000 |
| .899 | 7.970 | -.03000 | -.05000 | -.05000 | 2.42700 | -.10000 | .00000 | -.26000 | -.25600 | 1396.00000 |
| .897 | 8.980 | -.01000 | -.04000 | -.04000 | 2.52200 | -.08000 | .01000 | -.26900 | -.26200 | 1396.00000 |
| .898 | 10.020 | .00000 | -.04000 | -.05000 | 2.56500 | -.09000 | .01000 | -.26300 | -.25800 | 1396.00000 |
| .898 | 11.980 | -.01000 | -.04000 | -.07000 | 2.54600 | -.11000 | .03000 | -.27700 | -.28100 | 1396.00000 |
| .899 | 13.980 | .00000 | -.07000 | -.05000 | 2.47100 | -.12000 | -.02000 | -.30300 | -.31000 | 1396.00000 |
| .897 | 16.030 | .01000 | -.04000 | -.06000 | 2.34500 | -.10000 | .03000 | -.32200 | -.32500 | 1396.00000 |
| .897 | 18.050 | .02000 | -.01000 | -.02000 | 2.21800 | -.02000 | .01000 | -.35300 | -.35000 | 1396.00000 |
| .899 | 19.950 | .04000 | -.08000 | -.09000 | 2.08100 | -.17000 | .01000 | -.39900 | -.40200 | 1396.00000 |
| | GRADIENT | .00210 | .00210 | .00359 | .50530 | .00543 | -.00210 | .00405 | .00414 | .00000 |

RUN NO. 160/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -1.960 | -.03000 | -.06000 | -.04000 | -1.30000 | -.10000 | -.02000 | -.33100 | -.33400 | 1447.00000 |
| .946 | .070 | -.04000 | -.05000 | -.03000 | -.37100 | -.08000 | -.03000 | -.30900 | -.31600 | 1447.00000 |
| .947 | 2.050 | -.03000 | -.01000 | -.04000 | .58900 | -.05000 | .03000 | -.29800 | -.30300 | 1447.00000 |
| .947 | 3.040 | -.02000 | -.01000 | -.04000 | 1.02700 | -.04000 | .03000 | -.29000 | -.29500 | 1447.00000 |
| .948 | 4.020 | -.03000 | -.01000 | -.03000 | 1.43400 | -.04000 | .02000 | -.29700 | -.29800 | 1447.00000 |
| .949 | 4.980 | -.02000 | -.02000 | -.04000 | 1.75600 | -.06000 | .03000 | -.30000 | -.30500 | 1447.00000 |
| .946 | 6.030 | -.02000 | -.02000 | -.05000 | 2.05800 | -.07000 | .03000 | -.30300 | -.30300 | 1447.00000 |
| .946 | 7.050 | -.01000 | -.03000 | -.07000 | 2.25100 | -.09000 | .04000 | -.30800 | -.30600 | 1447.00000 |
| .948 | 8.020 | -.03000 | -.03000 | -.08000 | 2.37500 | -.10000 | .05000 | -.30300 | -.30800 | 1447.00000 |
| .947 | 9.020 | .00000 | -.04000 | -.05000 | 2.47600 | -.09000 | .01000 | -.30400 | -.29900 | 1447.00000 |
| .948 | 10.040 | -.01000 | -.04000 | -.05000 | 2.52000 | -.09000 | .01000 | -.30900 | -.31100 | 1447.00000 |
| .949 | 12.030 | .00000 | -.03000 | -.03000 | 2.48500 | -.06000 | .01000 | -.32700 | -.33000 | 1447.00000 |
| .949 | 14.010 | .02000 | -.03000 | -.03000 | 2.39100 | -.06000 | -.01000 | -.34600 | -.33700 | 1447.00000 |
| .948 | 16.030 | .04000 | -.02000 | -.02000 | 2.28900 | -.04000 | -.01000 | -.36200 | -.36700 | 1447.00000 |
| .947 | 18.030 | .06000 | -.01000 | -.07000 | 2.17300 | -.08000 | .05000 | -.39000 | -.39500 | 1447.00000 |
| .946 | 19.960 | .04000 | .01000 | -.05000 | 2.03700 | -.04000 | .06000 | -.45200 | -.46200 | 1447.00000 |
| | GRADIENT | .00177 | .00744 | .00001 | .44810 | .00775 | .00890 | .00471 | .00483 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28097) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 155/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.940 | -.04000 | -.02000 | -.04000 | -1.03900 | -.06000 | .01000 | -.40200 | -.40500 | 1541.00000 |
| 1.047 | .000 | -.03000 | -.02000 | -.04000 | -.32800 | -.06000 | .02000 | -.40100 | -.40000 | 1541.00000 |
| 1.046 | 2.010 | -.02000 | -.02000 | -.03000 | .44300 | -.06000 | .01000 | -.40200 | -.40200 | 1541.00000 |
| 1.044 | 3.020 | -.02000 | -.03000 | -.04000 | .79400 | -.07000 | .01000 | -.40800 | -.40800 | 1541.00000 |
| 1.046 | 3.980 | -.03000 | -.02000 | -.05000 | 1.10100 | -.07000 | .02000 | -.40400 | -.40500 | 1541.00000 |
| 1.046 | 5.030 | -.03000 | -.03000 | -.05000 | 1.37800 | -.08000 | .02000 | -.40800 | -.40900 | 1541.00000 |
| 1.046 | 5.960 | -.03000 | -.05000 | -.02000 | 1.58500 | -.07000 | -.03000 | -.41200 | -.41100 | 1541.00000 |
| 1.044 | 7.060 | -.04000 | -.03000 | -.04000 | 1.78000 | -.07000 | .01000 | -.41900 | -.41900 | 1541.00000 |
| 1.047 | 8.030 | -.04000 | -.05000 | -.03000 | 1.90200 | -.08000 | -.02000 | -.41900 | -.41800 | 1541.00000 |
| 1.047 | 9.030 | .00000 | -.05000 | -.03000 | 2.00000 | -.08000 | -.02000 | -.42200 | -.42300 | 1541.00000 |
| 1.046 | 9.990 | -.03000 | -.02000 | -.06000 | 2.06500 | -.08000 | .04000 | -.42500 | -.42500 | 1541.00000 |
| 1.047 | 11.980 | -.02000 | -.05000 | -.03000 | 2.13400 | -.08000 | -.01000 | -.42700 | -.42700 | 1541.00000 |
| 1.044 | 13.990 | -.02000 | -.03000 | -.04000 | 2.11000 | -.08000 | .01000 | -.44800 | -.44700 | 1541.00000 |
| 1.046 | 16.000 | -.01000 | -.03000 | -.05000 | 2.06500 | -.08000 | .02000 | -.46400 | -.46500 | 1541.00000 |
| 1.044 | 18.040 | -.02000 | -.02000 | -.07000 | 1.99400 | -.09000 | .05000 | -.49700 | -.49700 | 1541.00000 |
| 1.045 | 19.960 | .00000 | -.02000 | -.06000 | 1.91900 | -.08000 | .03000 | -.53000 | -.52700 | 1541.00000 |
| | GRADIENT | .00244 | -.00071 | -.00087 | .36512 | -.00183 | .00051 | -.00071 | -.00044 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B098) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 167/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.940 | -.03000 | -9.89000 | -.01000 | -2.56400 | -9.90000 | -9.88000 | -.27300 | -.27100 | 1397.00000 |
| .900 | .050 | -.02000 | -9.89000 | -.02000 | -1.87700 | -9.91000 | -9.87000 | -.26200 | -.26300 | 1397.00000 |
| .899 | 2.020 | -.02000 | -9.90000 | -.01000 | -.98200 | -9.91000 | -9.89000 | -.26600 | -.26800 | 1397.00000 |
| .899 | 3.030 | -.02000 | -9.90000 | -.02000 | -.45200 | -9.92000 | -9.89000 | -.26100 | -.26100 | 1397.00000 |
| .900 | 3.990 | -.02000 | -9.91000 | -.01000 | .08400 | -9.92000 | -9.90000 | -.25700 | -.25600 | 1397.00000 |
| .897 | 5.020 | -.02000 | -9.95000 | .02000 | .64800 | -9.93000 | -9.98000 | -.26100 | -.26200 | 1397.00000 |
| .898 | 5.960 | -.02000 | -9.93000 | .00000 | 1.08800 | -9.93000 | -9.92000 | -.25200 | -.25200 | 1397.00000 |
| .899 | 7.050 | -.02000 | -9.95000 | .01000 | 1.49300 | -9.94000 | -9.95000 | -.25400 | -.24600 | 1397.00000 |
| .900 | 8.000 | -.03000 | -9.94000 | -.02000 | 1.74800 | -9.96000 | -9.92000 | -.25100 | -.24900 | 1397.00000 |
| .900 | 9.020 | -.01000 | -9.95000 | -.02000 | 1.95000 | -9.96000 | -9.93000 | -.25000 | -.25200 | 1397.00000 |
| .898 | 10.020 | .00000 | -9.94000 | -.02000 | 2.07100 | -9.96000 | -9.92000 | -.25500 | -.25300 | 1397.00000 |
| .898 | 12.020 | -.01000 | -9.95000 | -.03000 | 2.19200 | -9.98000 | -9.93000 | -.26300 | -.26000 | 1397.00000 |
| .898 | 13.960 | .00000 | -9.96000 | -.03000 | 2.18000 | -9.99000 | -9.94000 | -.27200 | -.27500 | 1397.00000 |
| .898 | 16.000 | .01000 | -9.93000 | -.01000 | 2.13200 | -9.94000 | -9.91000 | -.29600 | -.29700 | 1397.00000 |
| .899 | 18.040 | .01000 | -9.96000 | -.01000 | 2.05100 | -9.96000 | -9.95000 | -.33500 | -.33600 | 1397.00000 |
| .899 | 19.990 | .04000 | -9.93000 | .02000 | 1.95100 | -9.91000 | -9.94000 | -.35900 | -.36000 | 1397.00000 |
| | GRADIENT | .00148 | -.00322 | -.00010 | .44639 | -.00331 | -.00382 | .00216 | .00199 | -.00000 |

RUN NO. 161/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -2.010 | -.02000 | -9.94000 | .02000 | -2.38000 | -9.92000 | -9.96000 | -.30900 | -.31100 | 1451.00000 |
| .946 | .070 | -.03000 | -9.94000 | .01000 | -1.73300 | -9.94000 | -9.95000 | -.29200 | -.30100 | 1451.00000 |
| .948 | 2.070 | -.02000 | -9.95000 | .01000 | -.80600 | -9.94000 | -9.95000 | -.28900 | -.28800 | 1451.00000 |
| .947 | 3.050 | -.02000 | -9.99000 | .03000 | -.33200 | -9.95000 | -10.02000 | -.29000 | -.28500 | 1451.00000 |
| .948 | 3.970 | -.02000 | -9.93000 | -.03000 | .16800 | -9.96000 | -9.90000 | -.27500 | -.27500 | 1451.00000 |
| .948 | 4.980 | -.02000 | -9.94000 | -.03000 | .66500 | -9.97000 | -9.90000 | -.27800 | -.28100 | 1451.00000 |
| .949 | 6.050 | -.03000 | -9.93000 | -.03000 | 1.08600 | -9.96000 | -9.90000 | -.27500 | -.28000 | 1451.00000 |
| .947 | 7.010 | -.02000 | -9.95000 | -.01000 | 1.40500 | -9.96000 | -9.94000 | -.28000 | -.28000 | 1451.00000 |
| .948 | 7.980 | -.03000 | -9.97000 | .01000 | 1.65300 | -9.96000 | -9.98000 | -.27800 | -.27700 | 1451.00000 |
| .946 | 8.970 | .01000 | -9.98000 | .01000 | 1.85900 | -9.97000 | -9.98000 | -.27700 | -.27400 | 1451.00000 |
| .949 | 10.030 | .01000 | -9.96000 | -.01000 | 2.03500 | -9.97000 | -9.95000 | -.29300 | -.28400 | 1451.00000 |
| .945 | 12.010 | .00000 | -9.96000 | .02000 | 2.18700 | -9.94000 | -9.99000 | -.29400 | -.30500 | 1451.00000 |
| .948 | 13.940 | .02000 | -9.95000 | -.05000 | 2.20200 | -10.01000 | -9.90000 | -.33000 | -.32800 | 1451.00000 |
| .947 | 16.020 | .03000 | -9.90000 | .00000 | 2.15900 | -9.90000 | -9.90000 | -.33600 | -.34800 | 1451.00000 |
| .947 | 18.100 | .05000 | -9.97000 | -.06000 | 2.08600 | -10.03000 | -9.91000 | -.35500 | -.36600 | 1451.00000 |
| .945 | 20.040 | .03000 | -9.93000 | .05000 | 1.96800 | -9.88000 | -9.98000 | -.40900 | -.41300 | 1451.00000 |
| | GRADIENT | .00058 | -.00096 | -.00642 | .44228 | -.00649 | .00635 | .00431 | .00497 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B098) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 156/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.950 | -.04000 | -9.93000 | .01000 | -1.68200 | -9.92000 | -9.94000 | -.44500 | -.44700 | 1548.00000 |
| 1.048 | .000 | -.03000 | -9.94000 | .00000 | -1.08100 | -9.94000 | -9.94000 | -.43700 | -.44100 | 1548.00000 |
| 1.045 | 2.010 | -.03000 | -9.96000 | .00000 | -.35900 | -9.96000 | -9.96000 | -.43700 | -.43600 | 1548.00000 |
| 1.045 | 3.030 | -.02000 | -9.97000 | -.01000 | .03200 | -9.98000 | -9.95000 | -.43400 | -.43400 | 1548.00000 |
| 1.047 | 4.000 | -.03000 | -9.97000 | -.02000 | .36900 | -9.99000 | -9.95000 | -.43100 | -.43200 | 1548.00000 |
| 1.047 | 5.030 | -.03000 | -10.00000 | -.01000 | .69200 | -10.01000 | -9.99000 | -.43600 | -.43400 | 1548.00000 |
| 1.046 | 5.970 | -.03000 | -10.02000 | -.01000 | .94300 | -10.03000 | -10.01000 | -.44000 | -.44000 | 1548.00000 |
| 1.047 | 7.020 | -.03000 | -10.00000 | -.03000 | 1.18500 | -10.02000 | -9.97000 | -.44900 | -.44800 | 1548.00000 |
| 1.047 | 7.950 | -.04000 | -9.99000 | -.03000 | 1.36100 | -10.02000 | -9.96000 | -.44800 | -.45200 | 1548.00000 |
| 1.044 | 8.950 | .00000 | -9.96000 | .03000 | 1.52900 | -9.97000 | -9.99000 | -.46000 | -.45800 | 1548.00000 |
| 1.045 | 10.000 | -.01000 | -9.91000 | .05000 | 1.68200 | -9.87000 | -9.96000 | -.45100 | -.45400 | 1548.00000 |
| 1.046 | 12.050 | -.02000 | -9.92000 | .01000 | 1.86100 | -9.91000 | -9.94000 | -.44800 | -.44900 | 1548.00000 |
| 1.047 | 14.050 | -.02000 | -9.95000 | -.02000 | 1.91900 | -9.97000 | -9.93000 | -.45900 | -.45900 | 1548.00000 |
| 1.046 | 16.050 | -.01000 | -9.92000 | .00000 | 1.92900 | -9.93000 | -9.92000 | -.47600 | -.47500 | 1548.00000 |
| 1.045 | 18.010 | -.01000 | -9.94000 | .00000 | 1.90500 | -9.94000 | -9.94000 | -.49600 | -.49700 | 1548.00000 |
| 1.046 | 19.970 | .00000 | -9.92000 | -.01000 | 1.87700 | -9.94000 | -9.91000 | -.50500 | -.50600 | 1548.00000 |
| | GRADIENT | .00217 | -.00746 | -.00442 | .34783 | -.01188 | -.00234 | .00206 | .00251 | .00000 |

ARC 200-1 11(LA77) OV101 (A28099) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 162/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.940 | 4.18000 | -9.91000 | .02000 | -2.35000 | -9.89000 | -9.93000 | -.35600 | -.36500 | 1449.00000 |
| .947 | .080 | 4.20000 | -9.90000 | .00000 | -1.69600 | -9.90000 | -9.89000 | -.34400 | -.34200 | 1449.00000 |
| .946 | 2.080 | 4.20000 | -9.92000 | .01000 | -.81700 | -9.91000 | -9.93000 | -.34200 | -.32600 | 1449.00000 |
| .949 | 3.090 | 4.20000 | -9.92000 | .02000 | -.29400 | -9.91000 | -9.94000 | -.32800 | -.33400 | 1449.00000 |
| .948 | 4.050 | 4.21000 | -9.94000 | .02000 | .20000 | -9.92000 | -9.96000 | -.33200 | -.33300 | 1449.00000 |
| .946 | 5.100 | 4.21000 | -9.96000 | .02000 | .67700 | -9.93000 | -9.98000 | -.30900 | -.31000 | 1449.00000 |
| .949 | 6.020 | 4.22000 | -9.95000 | .01000 | 1.06400 | -9.94000 | -9.96000 | -.33100 | -.32800 | 1449.00000 |
| .949 | 7.010 | 4.21000 | -9.91000 | .04000 | 1.38700 | -9.87000 | -9.95000 | -.33900 | -.34200 | 1449.00000 |
| .947 | 7.970 | 4.24000 | -9.92000 | .04000 | 1.65800 | -9.88000 | -9.97000 | -.33400 | -.34100 | 1449.00000 |
| .946 | 9.010 | 4.26000 | -9.93000 | .02000 | 1.86600 | -9.90000 | -9.95000 | -.34000 | -.34900 | 1449.00000 |
| .948 | 10.060 | 4.25000 | -9.94000 | .01000 | 2.05200 | -9.93000 | -9.95000 | -.35300 | -.35900 | 1449.00000 |
| .946 | 12.100 | 4.28000 | -10.01000 | -.04000 | 2.22200 | -10.05000 | -9.98000 | -.34700 | -.36600 | 1449.00000 |
| .946 | 14.070 | 4.29000 | -9.97000 | .05000 | 2.22700 | -9.92000 | -10.02000 | -.37700 | -.37800 | 1449.00000 |
| .947 | 16.120 | 4.30000 | -9.99000 | .01000 | 2.17900 | -9.98000 | -9.99000 | -.40500 | -.40700 | 1449.00000 |
| .947 | 18.080 | 4.31000 | -9.95000 | .08000 | 2.09000 | -9.87000 | -10.03000 | -.41200 | -.40900 | 1449.00000 |
| .948 | 19.980 | 4.36000 | -9.91000 | -.02000 | 1.97100 | -9.93000 | -9.89000 | -.42200 | -.42200 | 1449.00000 |
| | GRADIENT | .00405 | -.00489 | .00094 | .42744 | -.00465 | -.00643 | .00426 | .00536 | .00000 |

RUN NO. 157/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.900 | 4.18000 | -9.93000 | .02000 | -1.66400 | -9.91000 | -9.95000 | -.49400 | -.49500 | 1548.00000 |
| 1.047 | .060 | 4.21000 | -9.91000 | -.01000 | -1.08000 | -9.91000 | -9.90000 | -.48600 | -.48500 | 1548.00000 |
| 1.045 | 2.080 | 4.21000 | -9.91000 | -.01000 | -.34200 | -9.92000 | -9.91000 | -.48100 | -.47900 | 1548.00000 |
| 1.048 | 3.060 | 4.21000 | -9.93000 | .00000 | .02300 | -9.93000 | -9.93000 | -.47100 | -.47000 | 1548.00000 |
| 1.044 | 3.990 | 4.21000 | -9.95000 | .01000 | .33200 | -9.94000 | -9.95000 | -.47400 | -.47500 | 1548.00000 |
| 1.046 | 5.030 | 4.21000 | -9.95000 | .00000 | .66600 | -9.95000 | -9.95000 | -.47700 | -.47700 | 1548.00000 |
| 1.047 | 5.980 | 4.22000 | -9.95000 | -.01000 | .93000 | -9.95000 | -9.94000 | -.48000 | -.47900 | 1548.00000 |
| 1.045 | 7.020 | 4.22000 | -9.95000 | -.01000 | 1.15500 | -9.97000 | -9.94000 | -.48200 | -.48100 | 1548.00000 |
| 1.045 | 7.970 | 4.24000 | -9.94000 | -.01000 | 1.33800 | -9.95000 | -9.94000 | -.49100 | -.49100 | 1548.00000 |
| 1.046 | 8.990 | 4.26000 | -9.94000 | .01000 | 1.50900 | -9.93000 | -9.95000 | -.49000 | -.49000 | 1548.00000 |
| 1.046 | 10.020 | 4.25000 | -9.94000 | .00000 | 1.66900 | -9.95000 | -9.94000 | -.49000 | -.48800 | 1548.00000 |
| 1.044 | 12.090 | 4.30000 | -9.95000 | .00000 | 1.83400 | -9.95000 | -9.94000 | -.49100 | -.49200 | 1548.00000 |
| 1.045 | 14.090 | 4.31000 | -9.95000 | .00000 | 1.90600 | -9.95000 | -9.95000 | -.49600 | -.49600 | 1548.00000 |
| 1.047 | 16.130 | 4.33000 | -9.94000 | .02000 | 1.93500 | -9.92000 | -9.95000 | -.50200 | -.50400 | 1548.00000 |
| 1.048 | 18.090 | 4.35000 | -9.95000 | .01000 | 1.92300 | -9.94000 | -9.96000 | -.48800 | -.48500 | 1548.00000 |
| 1.046 | 19.960 | 4.37000 | -9.95000 | .01000 | 1.86100 | -9.94000 | -9.96000 | -.49900 | -.49800 | 1548.00000 |
| | GRADIENT | .00446 | -.00293 | -.00151 | .34354 | -.00506 | -.00057 | .00373 | .00384 | -.00001 |

ARC 200-1 11(LA77) OV101 (A2B100) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 168/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.910 | 4.18000 | -.01000 | -.01000 | -1.54900 | -.02000 | .00000 | -.31500 | -.31800 | 1396.00000 |
| .899 | .130 | 4.18000 | -.04000 | -.05000 | -.54000 | -.08000 | .01000 | -.30300 | -.30400 | 1396.00000 |
| .900 | 2.060 | 4.20000 | -.03000 | -.04000 | .48800 | -.07000 | .01000 | -.30300 | -.30000 | 1396.00000 |
| .898 | 3.040 | 4.20000 | -.03000 | -.04000 | .96900 | -.08000 | .01000 | -.29400 | -.29900 | 1396.00000 |
| .899 | 3.990 | 4.20000 | -.04000 | -.05000 | 1.38200 | -.09000 | .01000 | -.29900 | -.29400 | 1396.00000 |
| .899 | 5.010 | 4.21000 | -.04000 | -.05000 | 1.76100 | -.09000 | .00000 | -.29900 | -.28800 | 1396.00000 |
| .897 | 5.990 | 4.22000 | -.05000 | -.04000 | 2.05200 | -.09000 | -.01000 | -.29700 | -.29800 | 1396.00000 |
| .899 | 7.030 | 4.23000 | -.07000 | -.01000 | 2.26600 | -.08000 | -.06000 | -.28200 | -.28600 | 1396.00000 |
| .899 | 8.020 | 4.26000 | -.05000 | -.05000 | 2.42600 | -.09000 | .00000 | -.28300 | -.28000 | 1396.00000 |
| .899 | 9.010 | 4.27000 | -.06000 | -.05000 | 2.53000 | -.11000 | -.01000 | -.28800 | -.29000 | 1396.00000 |
| .897 | 10.020 | 4.28000 | -.04000 | -.02000 | 2.57900 | -.08000 | -.02000 | -.29800 | -.29900 | 1396.00000 |
| .898 | 12.030 | 4.31000 | -.06000 | -.03000 | 2.57700 | -.09000 | -.03000 | -.32100 | -.31900 | 1396.00000 |
| .897 | 14.060 | 4.34000 | -.04000 | -.04000 | 2.47200 | -.09000 | .00000 | -.33300 | -.33300 | 1396.00000 |
| .898 | 16.100 | 4.37000 | -.06000 | -.02000 | 2.35400 | -.08000 | -.03000 | -.34500 | -.35100 | 1396.00000 |
| .897 | 18.080 | 4.40000 | -.01000 | -.05000 | 2.24500 | -.05000 | .04000 | -.34800 | -.34900 | 1396.00000 |
| .898 | 19.990 | 4.42000 | -.03000 | -.02000 | 2.10300 | -.06000 | -.01000 | -.40200 | -.39900 | 1396.00000 |
| | GRADIENT | .00420 | -.00355 | -.00505 | .50293 | -.00990 | .00151 | .00289 | .00370 | -.00000 |

RUN NO. 162/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.950 | 4.17000 | -.02000 | -.06000 | -1.37900 | -.08000 | .04000 | -.38000 | -.38000 | 1451.00000 |
| .947 | .070 | 4.18000 | -.02000 | -.06000 | -.48200 | -.07000 | .04000 | -.37000 | -.37100 | 1451.00000 |
| .950 | 2.020 | 4.19000 | -.01000 | -.05000 | .43600 | -.06000 | .04000 | -.36100 | -.35500 | 1451.00000 |
| .949 | 3.020 | 4.19000 | -.02000 | -.05000 | .89100 | -.07000 | .04000 | -.35800 | -.35900 | 1451.00000 |
| .946 | 3.970 | 4.19000 | -.02000 | -.05000 | 1.27900 | -.07000 | .03000 | -.35500 | -.35200 | 1451.00000 |
| .948 | 5.010 | 4.19000 | -.02000 | -.05000 | 1.64300 | -.08000 | .04000 | -.35000 | -.34600 | 1451.00000 |
| .948 | 6.000 | 4.20000 | -.02000 | -.05000 | 1.94700 | -.06000 | .03000 | -.35200 | -.35400 | 1451.00000 |
| .950 | 7.050 | 4.20000 | -.03000 | -.05000 | 2.17100 | -.07000 | .02000 | -.34500 | -.34900 | 1451.00000 |
| .947 | 7.990 | 4.23000 | -.02000 | -.05000 | 2.33600 | -.07000 | .03000 | -.35500 | -.35100 | 1451.00000 |
| .949 | 9.010 | 4.24000 | -.06000 | -.09000 | 2.44300 | -.15000 | .03000 | -.34400 | -.33800 | 1451.00000 |
| .948 | 10.000 | 4.27000 | .01000 | -.01000 | 2.50100 | .01000 | .02000 | -.35400 | -.35500 | 1451.00000 |
| .948 | 12.050 | 4.27000 | -.02000 | -.04000 | 2.51400 | -.06000 | .03000 | -.36100 | -.36300 | 1451.00000 |
| .948 | 14.030 | 4.29000 | -.06000 | -.03000 | 2.43000 | -.09000 | -.03000 | -.39300 | -.38700 | 1451.00000 |
| .947 | 16.080 | 4.30000 | .00000 | .00000 | 2.31600 | .00000 | .00000 | -.41500 | -.40800 | 1451.00000 |
| .948 | 18.060 | 4.30000 | -.03000 | .01000 | 2.17900 | -.02000 | -.04000 | -.40800 | -.40500 | 1451.00000 |
| .950 | 20.050 | 4.35000 | -.04000 | -.09000 | 2.04700 | -.13000 | .05000 | -.44600 | -.43800 | 1451.00000 |
| | GRADIENT | .00359 | .00026 | .00209 | .45316 | .00176 | -.00113 | .00426 | .00475 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B100) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 158/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.950 | 4.16000 | -.02000 | -.02000 | -1.02700 | -.04000 | -.01000 | -.46100 | -.46000 | 1549.00000 |
| 1.048 | .070 | 4.16000 | -.04000 | -.03000 | -.31400 | -.07000 | -.01000 | -.45200 | -.45100 | 1549.00000 |
| 1.046 | 2.050 | 4.16000 | -.05000 | -.03000 | .41000 | -.08000 | -.02000 | -.44800 | -.44900 | 1549.00000 |
| 1.047 | 3.060 | 4.16000 | -.07000 | -.02000 | .76100 | -.08000 | -.05000 | -.44800 | -.44600 | 1549.00000 |
| 1.047 | 4.020 | 4.16000 | -.08000 | -.04000 | 1.05600 | -.12000 | -.03000 | -.45200 | -.45400 | 1549.00000 |
| 1.045 | 5.010 | 4.18000 | -.02000 | -.03000 | 1.32100 | -.05000 | .01000 | -.46300 | -.46500 | 1549.00000 |
| 1.046 | 6.010 | 4.20000 | -.04000 | -.07000 | 1.54800 | -.11000 | .03000 | -.46700 | -.46900 | 1549.00000 |
| 1.047 | 7.020 | 4.20000 | -.05000 | -.06000 | 1.71200 | -.11000 | .01000 | -.46400 | -.46700 | 1549.00000 |
| 1.046 | 7.990 | 4.22000 | -.04000 | -.08000 | 1.84700 | -.12000 | .04000 | -.47000 | -.47000 | 1549.00000 |
| 1.047 | 9.000 | 4.26000 | -.03000 | -.08000 | 1.94600 | -.11000 | .05000 | -.46900 | -.47000 | 1549.00000 |
| 1.048 | 10.040 | 4.26000 | -.03000 | -.07000 | 2.03000 | -.11000 | .04000 | -.47300 | -.47400 | 1549.00000 |
| 1.047 | 12.090 | 4.31000 | -.04000 | -.02000 | 2.10700 | -.06000 | -.02000 | -.47300 | -.47200 | 1549.00000 |
| 1.046 | 14.080 | 4.33000 | .01000 | -.04000 | 2.11600 | -.03000 | .04000 | -.47900 | -.47800 | 1549.00000 |
| 1.045 | 16.110 | 4.33000 | -.04000 | -.05000 | 2.07200 | -.08000 | .01000 | -.49600 | -.49600 | 1549.00000 |
| 1.047 | 18.060 | 4.35000 | -.02000 | -.02000 | 2.00100 | -.05000 | .00000 | -.50300 | -.50300 | 1549.00000 |
| 1.045 | 20.020 | 4.37000 | -.03000 | -.03000 | 1.90900 | -.06000 | .00000 | -.51400 | -.51400 | 1549.00000 |
| | GRADIENT | .00000 | -.00978 | -.00189 | .35229 | -.01097 | -.00529 | .00171 | .00140 | -.00001 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B101) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 169/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -6.320 | 5.08000 | .01000 | -.02000 | 1.89500 | -.01000 | .02000 | -.29800 | -.29700 | 1394.00000 |
| .898 | -4.250 | 5.05000 | -.01000 | -.06000 | 1.86500 | -.07000 | .05000 | -.27000 | -.26800 | 1394.00000 |
| .899 | -3.200 | 5.04000 | -.01000 | -.06000 | 1.84800 | -.07000 | .05000 | -.26700 | -.26300 | 1394.00000 |
| .899 | -2.140 | 5.05000 | .00000 | -.07000 | 1.81700 | -.06000 | .07000 | -.26300 | -.26500 | 1394.00000 |
| .897 | -1.090 | 5.02000 | .00000 | -.07000 | 1.77100 | -.07000 | .07000 | -.26600 | -.26700 | 1394.00000 |
| .899 | .000 | 5.02000 | .01000 | -.07000 | 1.76200 | [illegible] | .08000 | -.26500 | -.26500 | 1394.00000 |
| .897 | 1.010 | 5.06000 | .02000 | -.08000 | 1.77600 | [illegible] | .09000 | -.26100 | -.26100 | 1394.00000 |
| .899 | 2.080 | 5.04000 | -.03000 | -.03000 | 1.78600 | [illegible] | .00000 | -.26900 | -.27300 | 1394.00000 |
| .898 | 3.120 | 5.04000 | -.04000 | -.04000 | 1.78600 | [illegible] | .00000 | -.27700 | -.29000 | 1394.00000 |
| .898 | 4.170 | 5.02000 | -.05000 | -.06000 | 1.76100 | [illegible] | .01000 | -.29300 | -.29400 | 1394.00000 |
| .897 | 6.270 | 5.00000 | -.11000 | -.12000 | 1.74500 | [illegible] | .01000 | -.33200 | -.33600 | 1394.00000 |
| .897 | 8.350 | 5.02000 | .00000 | -.02000 | 1.75200 | [illegible] | .02000 | -.35200 | -.35800 | 1394.00000 |
| | GRADIENT | -.00159 | -.00458 | .00206 | -.01045 | -.00205 | -.00679 | -.00204 | -.00308 | -.00000 |

RUN NO. 164/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.310 | 5.09000 | -.03000 | -.07000 | 1.75900 | -.09000 | .04000 | -.33700 | -.34200 | 1450.00000 |
| .950 | -4.240 | 5.06000 | -.02000 | -.05000 | 1.78700 | -.07000 | .04000 | -.31100 | -.29900 | 1450.00000 |
| .947 | -3.190 | 5.04000 | -.01000 | -.06000 | 1.82200 | -.07000 | .04000 | -.30600 | -.31300 | 1450.00000 |
| .948 | -2.140 | 5.05000 | -.02000 | -.05000 | 1.79700 | -.08000 | .03000 | -.29600 | -.29200 | 1450.00000 |
| .948 | -1.090 | 5.02000 | -.04000 | -.04000 | 1.78100 | -.08000 | .00000 | -.29200 | -.29000 | 1450.00000 |
| .948 | -.010 | 5.02000 | -.05000 | -.04000 | 1.75900 | -.08000 | -.01000 | -.29400 | -.30500 | 1450.00000 |
| .948 | 1.010 | 5.05000 | -.03000 | -.05000 | 1.77000 | -.08000 | .03000 | -.30900 | -.31700 | 1450.00000 |
| .948 | 2.080 | 5.04000 | .00000 | -.08000 | 1.74700 | -.08000 | .08000 | -.32200 | -.33000 | 1450.00000 |
| .947 | 3.100 | 5.04000 | .00000 | -.08000 | 1.71700 | -.08000 | .08000 | -.33900 | -.34500 | 1450.00000 |
| .949 | 4.160 | 5.03000 | -.01000 | -.06000 | 1.64500 | -.06000 | .05000 | -.35200 | -.35400 | 1450.00000 |
| .948 | 6.260 | 5.01000 | .00000 | -.07000 | 1.56200 | -.07000 | .07000 | -.38600 | -.38800 | 1450.00000 |
| .948 | 8.350 | 5.02000 | -.01000 | -.08000 | 1.53200 | -.09000 | .07000 | -.39500 | -.39500 | 1450.00000 |
| | GRADIENT | -.00175 | .00189 | -.00269 | -.01577 | .00016 | .00459 | -.00526 | -.00664 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B101) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 159/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -6.340 | 5.10000 | -.01000 | -.04000 | 1.40100 | -.05000 | .03000 | -.44900 | -.44900 | 1547.00000 |
| 1.045 | -4.260 | 5.03000 | -.01000 | -.04000 | 1.39900 | -.05000 | .03000 | -.42900 | -.42900 | 1547.00000 |
| 1.047 | -3.210 | 5.03000 | -.02000 | -.03000 | 1.40400 | -.05000 | .02000 | -.41400 | -.41600 | 1547.00000 |
| 1.047 | -2.150 | 5.02000 | -.02000 | -.03000 | 1.40600 | -.06000 | .01000 | -.40600 | -.40500 | 1547.00000 |
| 1.045 | -1.090 | 5.01000 | -.01000 | -.05000 | 1.38700 | -.06000 | .04000 | -.40500 | -.40400 | 1547.00000 |
| 1.047 | -.010 | 5.00000 | -.02000 | -.05000 | 1.37800 | -.07000 | .03000 | -.40600 | -.40800 | 1547.00000 |
| 1.045 | 1.010 | 5.02000 | -.01000 | -.05000 | 1.37000 | -.06000 | .04000 | -.41800 | -.41800 | 1547.00000 |
| 1.046 | 2.090 | 5.01000 | .00000 | -.06000 | 1.36000 | -.06000 | .06000 | -.42300 | -.42300 | 1547.00000 |
| 1.047 | 3.100 | 5.02000 | .01000 | -.07000 | 1.35300 | -.06000 | .07000 | -.44200 | -.44000 | 1547.00000 |
| 1.046 | 4.160 | 5.01000 | .00000 | -.06000 | 1.32500 | -.05000 | .06000 | -.46100 | -.46500 | 1547.00000 |
| 1.046 | 6.260 | 5.01000 | -.01000 | -.07000 | 1.30600 | -.08000 | .06000 | -.47800 | -.47700 | 1547.00000 |
| 1.045 | 8.360 | 5.03000 | -.02000 | -.06000 | 1.30100 | -.09000 | .04000 | -.49500 | -.49400 | 1547.00000 |
| | GRADIENT | -.00191 | .00268 | -.00412 | -.00883 | -.00048 | .00585 | -.00408 | -.00419 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28102) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 55.000
RUDDER = -10.000 DEFLAP = .000
RN/L = 8.000

RUN NO. 165/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.910 | -.04000 | -10.06000 | 4.99000 | -2.20600 | -5.07000 | -15.06000 | -.31400 | -.31500 | 1452.00000 |
| .950 | .070 | -.03000 | -10.06000 | 4.99000 | -1.58800 | -5.07000 | -15.05000 | -.29100 | -.29400 | 1452.00000 |
| .948 | 2.000 | -.02000 | -10.07000 | 4.99000 | -.77900 | -5.08000 | -15.06000 | -.28500 | -.28900 | 1452.00000 |
| .948 | 3.020 | -.01000 | -10.08000 | 5.00000 | -.28800 | -5.08000 | -15.08000 | -.28900 | -.28800 | 1452.00000 |
| .949 | 4.060 | -.01000 | -10.09000 | 5.01000 | .21700 | -5.08000 | -15.10000 | -.28700 | -.28400 | 1452.00000 |
| .948 | 5.100 | -.02000 | -10.12000 | 5.03000 | .69300 | -5.08000 | -15.15000 | -.28600 | -.28300 | 1452.00000 |
| .948 | 5.980 | -.02000 | -10.05000 | 4.97000 | 1.06600 | -5.08000 | -15.03000 | -.28700 | -.28900 | 1452.00000 |
| .949 | 7.040 | -.02000 | -9.95000 | 5.03000 | 1.41600 | -4.92000 | -14.98000 | -.27900 | -.28100 | 1452.00000 |
| .950 | 7.990 | -.02000 | -10.18000 | 5.08000 | 1.65600 | -5.02000 | -15.18000 | -.29500 | -.29400 | 1452.00000 |
| .947 | 8.980 | .01000 | -10.12000 | 5.00000 | 1.85200 | -5.12000 | -15.12000 | -.29100 | -.29400 | 1452.00000 |
| .948 | 10.030 | .01000 | -10.12000 | 5.02000 | 2.00200 | -5.10000 | -15.15000 | -.29400 | -.28800 | 1452.00000 |
| .949 | 12.020 | .00000 | -10.03000 | 5.14000 | 2.14900 | -4.89000 | -15.16000 | -.32200 | -.31700 | 1452.00000 |
| .947 | 14.040 | .00000 | -10.08000 | 5.07000 | 2.17800 | -5.01000 | -15.15000 | -.33400 | -.34000 | 1452.00000 |
| .948 | 16.060 | .02000 | -10.16000 | 4.95000 | 2.13200 | -5.21000 | -15.11000 | -.35600 | -.36200 | 1452.00000 |
| .951 | 18.090 | .03000 | -10.15000 | 5.00000 | 2.05500 | -5.15000 | -15.16000 | -.38300 | -.39200 | 1452.00000 |
| .948 | 20.050 | .01000 | -10.15000 | 4.99000 | 1.95100 | -5.16000 | -15.14000 | -.42000 | -.41800 | 1452.00000 |
| | GRADIENT | .00539 | -.00506 | .00298 | .40749 | -.00208 | -.00657 | .00413 | .00478 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B103) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 199/ 0 RN/L = 6.92 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.890 | -.03000 | -.03000 | -.04000 | -1.99600 | -.07000 | .01000 | -.19000 | -.18600 | 866.00000 |
| .596 | .020 | -.04000 | -.03000 | -.04000 | -.53000 | -.07000 | .01000 | -.18400 | -.18500 | 866.00000 |
| .597 | 2.040 | -.03000 | -.03000 | -.03000 | 1.13700 | -.06000 | .01000 | -.18100 | -.17700 | 866.00000 |
| .597 | 4.100 | -.02000 | -.01000 | -.04000 | 2.77600 | -.05000 | .02000 | -.17600 | -.17300 | 866.00000 |
| .597 | 6.080 | -.01000 | -.02000 | -.05000 | 3.99600 | -.06000 | .03000 | -.17300 | -.17400 | 866.00000 |
| .597 | 8.160 | .00000 | -.04000 | -.06000 | 4.80700 | -.10000 | .02000 | -.17200 | -.17400 | 866.00000 |
| .597 | 10.000 | .01000 | -.06000 | -.04000 | 5.00000 | -.10000 | -.02000 | -.17500 | -.17600 | 866.00000 |
| .597 | 10.980 | .02000 | -.03000 | -.05000 | 4.96100 | -.08000 | .02000 | -.17300 | -.17200 | 866.00000 |
| .597 | 12.200 | .03000 | -.05000 | .00000 | 4.79000 | -.05000 | -.05000 | -.18500 | -.17600 | 866.00000 |
| .597 | 13.150 | .04000 | -.04000 | -.03000 | 4.45200 | -.07000 | .00000 | -.18800 | -.18500 | 866.00000 |
| .597 | 14.040 | .04000 | -.03000 | -.05000 | 4.13400 | -.08000 | .02000 | -.19400 | -.19300 | 866.00000 |
| .596 | 15.140 | .05000 | -.03000 | -.05000 | 3.73400 | -.09000 | .02000 | -.20100 | -.20200 | 866.00000 |
| .597 | 18.120 | .08000 | .00000 | -.07000 | 2.99400 | -.08000 | .07000 | -.22900 | -.23300 | 866.00000 |
| .595 | 20.060 | .10000 | -.01000 | -.07000 | 2.67300 | -.08000 | .06000 | -.26300 | -.26500 | 866.00000 |
| | GRADIENT | .00204 | .00343 | .00049 | .79968 | .00352 | .00152 | .00225 | .00236 | .00000 |

RUN NO. 174/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.810 | -.04000 | -.04000 | -.05000 | -.75800 | -.09000 | .02000 | -.36200 | -.36300 | 1387.00000 |
| 1.198 | .070 | -.05000 | -.06000 | -.04000 | -.00600 | -.11000 | -.02000 | -.35800 | -.35900 | 1387.00000 |
| 1.198 | 2.190 | -.02000 | -.13000 | -.09000 | .81100 | -.22000 | -.04000 | -.34800 | -.34600 | 1387.00000 |
| 1.198 | 4.090 | -.02000 | -.07000 | -.08000 | 1.41500 | -.15000 | .02000 | -.33500 | -.33700 | 1387.00000 |
| 1.197 | 6.180 | -.01000 | -.01000 | -.03000 | 1.91000 | -.03000 | .02000 | -.33400 | -.33200 | 1387.00000 |
| 1.197 | 8.120 | .01000 | -.02000 | -.03000 | 2.18500 | -.05000 | .01000 | -.34200 | -.34000 | 1387.00000 |
| 1.197 | 10.220 | .02000 | -.02000 | -.03000 | 2.34200 | -.04000 | .01000 | -.34700 | -.34700 | 1387.00000 |
| 1.197 | 11.150 | .02000 | -.04000 | -.02000 | 2.36500 | -.06000 | -.02000 | -.34700 | -.34900 | 1387.00000 |
| 1.197 | 12.220 | .03000 | -.03000 | -.01000 | 2.36000 | -.04000 | -.02000 | -.35800 | -.35500 | 1387.00000 |
| 1.198 | 13.200 | .04000 | -.01000 | -.06000 | 2.33400 | -.07000 | .05000 | -.37200 | -.37200 | 1387.00000 |
| 1.196 | 14.150 | .05000 | -.03000 | -.03000 | 2.29400 | -.07000 | .00000 | -.38300 | -.38200 | 1387.00000 |
| 1.196 | 15.180 | .05000 | -.04000 | -.06000 | 2.24100 | -.11000 | .02000 | -.39700 | -.39800 | 1387.00000 |
| 1.198 | 16.190 | .06000 | .00000 | -.02000 | 2.18400 | -.02000 | .03000 | -.41200 | -.41100 | 1387.00000 |
| 1.195 | 18.140 | .07000 | -.01000 | -.03000 | 2.07800 | -.05000 | .02000 | -.43500 | -.43600 | 1387.00000 |
| 1.196 | 20.090 | .10000 | -.03000 | -.06000 | 1.96200 | -.09000 | .03000 | -.45600 | -.45600 | 1387.00000 |
| | GRADIENT | .00462 | -.00826 | -.00720 | .37022 | -.01492 | -.00105 | .00459 | .00461 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B104) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 200/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.970 | -.03000 | -9.92000 | .00000 | -4.10300 | -9.92000 | -9.91000 | -.16800 | -.16900 | 864.50000 |
| .596 | .070 | -.04000 | -9.92000 | -.01000 | -3.18100 | -9.93000 | -9.91000 | -.17100 | -.16800 | 864.50000 |
| .597 | 2.140 | -.03000 | -9.92000 | -.01000 | -1.98300 | -9.93000 | -9.91000 | -.16000 | -.16000 | 864.50000 |
| .597 | 4.060 | -.02000 | -9.92000 | -.01000 | -.45900 | -9.93000 | -9.90000 | -.15400 | -.15900 | 864.50000 |
| .597 | 6.180 | .00000 | -9.91000 | -.01000 | 1.46900 | -9.93000 | -9.90000 | -.16300 | -.16100 | 864.50000 |
| .596 | 8.100 | -.01000 | -9.91000 | -.02000 | 2.95800 | -9.93000 | -9.90000 | -.16400 | -.16700 | 864.50000 |
| .596 | 9.950 | .02000 | -9.97000 | .02000 | 3.89100 | -9.95000 | -9.99000 | -.16500 | -.16600 | 864.50000 |
| .597 | 11.160 | .03000 | -9.98000 | .02000 | 4.19900 | -9.95000 | -10.00000 | -.16900 | -.16900 | 864.50000 |
| .597 | 12.180 | .03000 | -9.99000 | .03000 | 4.28600 | -9.96000 | -10.01000 | -.17100 | -.17000 | 864.50000 |
| .596 | 13.170 | .04000 | -9.93000 | .02000 | 4.26900 | -9.92000 | -9.95000 | -.17300 | -.17700 | 864.50000 |
| .596 | 14.120 | .04000 | -9.93000 | .01000 | 3.96100 | -9.92000 | -9.94000 | -.17800 | -.18700 | 864.50000 |
| .59[illegible] | 15.120 | .05000 | -9.93000 | .00000 | 3.65400 | -9.93000 | -9.93000 | -.18400 | -.19000 | 864.50000 |
| .59[illegible] | 16.140 | .06000 | -9.94000 | .01000 | 3.41600 | -9.93000 | -9.94000 | -.19600 | -.19600 | 864.50000 |
| .596 | 18.100 | .09000 | -9.93000 | -.01000 | 2.98400 | -9.94000 | -9.92000 | -.20900 | -.20400 | 864.50000 |
| .596 | 20.070 | .10000 | -9.93000 | .00000 | 2.67400 | -9.93000 | -9.93000 | -.23900 | -.23800 | 864.50000 |
| | GRADIENT | .00196 | .00000 | -.00150 | .60062 | -.00150 | .00147 | .00262 | .00189 | .00000 |

RUN NO. 175/ 0 RN/L = 6.83 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.880 | -.04000 | -9.93000 | -.01000 | -1.31600 | -9.94000 | -9.92000 | -.38500 | -.38300 | 1387.00000 |
| 1.197 | .180 | -.04000 | -9.93000 | -.03000 | -.58200 | -9.96000 | -9.90000 | -.36600 | -.36700 | 1387.00000 |
| 1.198 | 2.090 | -.03000 | -9.95000 | -.02000 | .14500 | -9.97000 | -9.93000 | -.36000 | -.36000 | 1387.00000 |
| 1.198 | 4.120 | -.02000 | -9.93000 | -.02000 | .83500 | -9.96000 | -9.91000 | -.36100 | -.35900 | 1387.00000 |
| 1.198 | 6.180 | -.01000 | -9.93000 | -.03000 | 1.40800 | -9.96000 | -9.90000 | -.36200 | -.36300 | 1387.00000 |
| 1.198 | 8.130 | .02000 | -9.94000 | -.03000 | 1.78500 | -9.97000 | -9.91000 | -.36300 | -.36400 | 1387.00000 |
| 1.199 | 10.220 | .01000 | -9.91000 | .01000 | 2.04500 | -9.90000 | -9.92000 | -.36500 | -.36500 | 1387.00000 |
| 1.198 | 11.160 | .03000 | -9.91000 | .00000 | 2.10900 | -9.91000 | -9.91000 | -.37000 | -.36900 | 1387.00000 |
| 1.198 | 12.230 | .03000 | -9.92000 | -.01000 | 2.15700 | -9.93000 | -9.90000 | -.36900 | -.36700 | 1387.00000 |
| 1.198 | 13.250 | .03000 | -9.91000 | .00000 | 2.16600 | -9.91000 | -9.91000 | -.38400 | -.38400 | 1387.00000 |
| 1.198 | 14.180 | .04000 | -9.88000 | -.04000 | 2.15900 | -9.92000 | -9.84000 | -.38800 | -.38800 | 1387.00000 |
| 1.198 | 15.220 | .04000 | -9.92000 | -.04000 | 2.14200 | -9.96000 | -9.88000 | -.38800 | -.38500 | 1387.00000 |
| 1.198 | 16.200 | .05000 | -9.88000 | -.01000 | 2.11700 | -9.89000 | -9.87000 | -.39800 | -.39900 | 1387.00000 |
| 1.199 | 18.060 | .07000 | -9.88000 | -.01000 | 2.04300 | -9.89000 | -9.88000 | -.41400 | -.41600 | 1387.00000 |
| 1.197 | 1[illegible].990 | .08000 | -9.93000 | .01000 | 1.94800 | -9.92000 | -9.94000 | -.42900 | -.42900 | 1387.00000 |
| | GRADIENT | .00350 | -.00097 | -.00104 | .36055 | -.00352 | .00007 | .00393 | .00397 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B105) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 176/ 0 RN/L = 6.88 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.900 | 4.22000 | -9.90000 | -.02000 | -1.34300 | -9.92000 | -9.89000 | -.39700 | -.39500 | 1414.00000 |
| 1.199 | .140 | 4.21000 | -9.90000 | -.04000 | -.62300 | -9.94000 | -9.85000 | -.39200 | -.39200 | 1414.00000 |
| 1.198 | 2.100 | 4.20000 | -9.90000 | -.04000 | .10900 | -9.94000 | -9.87000 | -.39300 | -.39300 | 1414.00000 |
| 1.198 | 3.970 | 4.18000 | -9.90000 | -.06000 | .74700 | -9.96000 | -9.85000 | -.39200 | -.38800 | 1414.00000 |
| 1.199 | 6.130 | 4.18000 | -9.95000 | -.03000 | 1.35500 | -9.98000 | -9.92000 | -.39100 | -.39100 | 1414.00000 |
| 1.198 | 8.130 | 4.21000 | -10.00000 | .04000 | 1.75600 | -9.97000 | -10.04000 | -.39500 | -.39700 | 1414.00000 |
| 1.197 | 10.050 | 4.23000 | -9.98000 | -.01000 | 1.98600 | -9.99000 | -9.96000 | -.39800 | -.39900 | 1414.00000 |
| 1.197 | 11.080 | 4.25000 | -9.91000 | -.04000 | 2.06300 | -9.94000 | -9.87000 | -.40000 | -.40200 | 1414.00000 |
| 1.200 | 12.150 | 4.25000 | -9.95000 | -.01000 | 2.11900 | -9.96000 | -9.94000 | -.39900 | -.39700 | 1414.00000 |
| 1.195 | 13.040 | 4.26000 | -9.98000 | .00000 | 2.14100 | -9.98000 | -9.98000 | -.40500 | -.39900 | 1414.00000 |
| 1.198 | 14.090 | 4.27000 | -9.91000 | -.01000 | 2.16300 | -9.91000 | -9.90000 | -.39700 | -.39700 | 1414.00000 |
| 1.198 | 15.040 | 4.27000 | -9.94000 | -.09000 | 2.15400 | -10.03000 | -9.85000 | -.40100 | -.40200 | 1414.00000 |
| 1.199 | 16.110 | 4.28000 | -9.93000 | -.07000 | 2.12300 | -10.00000 | -9.86000 | -.40700 | -.40900 | 1414.00000 |
| 1.195 | 18.040 | 4.30000 | -9.94000 | -.06000 | 2.04600 | -9.99000 | -9.88000 | -.42700 | -.42500 | 1414.00000 |
| 1.197 | 20.060 | 4.34000 | -9.91000 | .01000 | 1.95300 | -9.89000 | -9.92000 | -.43700 | -.43900 | 1414.00000 |
| | GRADIENT | -.00662 | .00000 | -.00613 | .35784 | -.00613 | .00515 | .00072 | .00102 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B106) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 201/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.910 | 4.21000 | -.01000 | -.04000 | -2.05500 | -.06000 | .03000 | -.21000 | -.20600 | 865.40000 |
| .596 | .060 | 4.05000 | -.01000 | -.04000 | -.48500 | -.05000 | .03000 | -.20800 | -.20700 | 865.40000 |
| .596 | 2.080 | 4.04000 | -.01000 | -.04000 | 1.23500 | -.05000 | .03000 | -.20300 | -.20300 | 865.40000 |
| .596 | 4.070 | 4.04000 | .00000 | -.04000 | 2.78300 | -.05000 | .04000 | -.19800 | -.19600 | 865.40000 |
| .597 | 6.010 | 4.04000 | -.01000 | -.05000 | 3.99300 | -.06000 | .04000 | -.19400 | -.19400 | 865.40000 |
| .596 | 8.070 | 4.07000 | -.01000 | -.06000 | 4.77300 | -.07000 | .04000 | -.19700 | -.19700 | 865.40000 |
| .596 | 10.070 | 4.04000 | -.03000 | -.08000 | 4.99900 | -.11000 | .04000 | -.20600 | -.20900 | 865.40000 |
| .597 | 11.060 | 4.05000 | .00000 | -.08000 | 4.94700 | -.08000 | .08000 | -.21400 | -.21000 | 865.40000 |
| .596 | 12.020 | 4.05000 | -.03000 | -.04000 | 4.83400 | -.06000 | .01000 | -.21200 | -.20900 | 865.40000 |
| .596 | 13.100 | 4.08000 | -.05000 | -.04000 | 4.60400 | -.09000 | -.01000 | -.21000 | -.20700 | 865.40000 |
| .596 | 14.040 | 4.05000 | -.03000 | -.06000 | 4.11400 | -.09000 | .03000 | -.21500 | -.21600 | 865.40000 |
| .596 | 15.040 | 4.05000 | -.04000 | -.04000 | 3.74800 | -.08000 | .00000 | -.21700 | -.22100 | 865.40000 |
| .596 | 16.050 | 4.05000 | -.04000 | -.04000 | 3.47000 | -.09000 | .00000 | -.22800 | -.23500 | 865.40000 |
| .596 | 18.020 | 4.07000 | -.04000 | -.04000 | 3.08100 | -.09000 | .00000 | -.25300 | -.25400 | 865.40000 |
| .596 | 19.960 | 4.09000 | -.02000 | -.06000 | 2.71600 | -.08000 | .04000 | -.28400 | -.29100 | 865.40000 |
| | GRADIENT | -.02598 | .00150 | .00000 | .81337 | .00150 | .00150 | .00206 | .00171 | .00000 |

RUN NO. 184/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -1.970 | 4.20000 | -.03000 | -.04000 | -.89400 | -.07000 | .01000 | -.37500 | -.37600 | 1472.00000 |
| 1.199 | .120 | 4.19000 | -.05000 | -.05000 | -.06100 | -.10000 | .01000 | -.36100 | -.36200 | 1472.00000 |
| 1.198 | 2.030 | 4.19000 | -.11000 | -.13000 | .69000 | -.24000 | .03000 | -.36000 | -.36100 | 1472.00000 |
| 1.198 | 4.050 | 4.19000 | -.05000 | -.04000 | 1.36600 | -.09000 | .00000 | -.35900 | -.35800 | 1472.00000 |
| 1.198 | 6.030 | 4.19000 | -.01000 | -.01000 | 1.84700 | -.01000 | .00000 | -.36400 | -.36300 | 1472.00000 |
| 1.198 | 7.980 | 4.23000 | -.12000 | -.07000 | 2.14700 | -.20000 | -.05000 | -.37400 | -.37500 | 1472.00000 |
| 1.198 | 10.030 | 4.25000 | -.07000 | -.08000 | 2.30300 | -.15000 | .01000 | -.38300 | -.38100 | 1472.00000 |
| 1.198 | 11.080 | 4.29000 | -.03000 | -.05000 | 2.32300 | -.09000 | .02000 | -.38900 | -.39000 | 1472.00000 |
| 1.199 | 12.070 | 4.31000 | -.02000 | -.06000 | 2.33100 | -.09000 | .04000 | -.39400 | -.39300 | 1472.00000 |
| 1.198 | 13.110 | 4.32000 | -.05000 | -.10000 | 2.31800 | -.15000 | .05000 | -.40200 | -.40300 | 1472.00000 |
| 1.199 | 14.160 | 4.33000 | -.03000 | -.05000 | 2.28700 | -.08000 | .02000 | -.41000 | -.41000 | 1472.00000 |
| 1.199 | 15.060 | 4.34000 | -.10000 | -.07000 | 2.24600 | -.17000 | -.03000 | -.42000 | -.41500 | 1472.00000 |
| 1.197 | 15.960 | 4.34000 | -.07000 | -.09000 | 2.20300 | -.17000 | .02000 | -.42900 | -.42900 | 1472.00000 |
| 1.196 | 17.990 | 4.37000 | -.11000 | -.11000 | 2.09700 | -.22000 | .01000 | -.43700 | -.44000 | 1472.00000 |
| 1.197 | 20.100 | 4.39000 | -.09000 | -.08000 | 1.97800 | -.17000 | -.01000 | -.46000 | -.45800 | 1472.00000 |
| | GRADIENT | -.00152 | -.00596 | -.00392 | .37716 | -.00988 | -.00053 | .00247 | .00277 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B107) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 202/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -6.210 | 10.09000 | -.04000 | -.04000 | 5.05900 | -.08000 | .01000 | -.22200 | -.22500 | 866.20000 |
| .598 | -4.180 | 10.08000 | -.02000 | -.06000 | 5.04800 | -.09000 | .04000 | -.21500 | -.20900 | 866.20000 |
| .597 | -3.160 | 10.07000 | -.03000 | -.06000 | 5.03600 | -.09000 | .04000 | -.19900 | -.19600 | 866.20000 |
| .597 | -2.120 | 10.08000 | -.03000 | -.06000 | 5.03100 | -.09000 | .04000 | -.18500 | -.18000 | 866.20000 |
| .597 | -1.100 | 10.13000 | -.03000 | -.06000 | 5.01300 | -.09000 | .03000 | -.18200 | -.17800 | 866.20000 |
| .597 | .010 | 10.16000 | -.02000 | -.08000 | 5.01100 | -.09000 | .06000 | -.17400 | -.17600 | 866.20000 |
| .597 | 1.090 | 10.12000 | -.01000 | -.03000 | 4.99400 | -.04000 | .02000 | -.17900 | -.17400 | 866.20000 |
| .597 | 2.140 | 10.07000 | -.02000 | -.03000 | 5.03400 | -.05000 | .01000 | -.18400 | -.19000 | 866.20000 |
| .597 | 3.160 | 10.03000 | -.02000 | -.04000 | 5.01600 | -.06000 | .01000 | -.19600 | -.20200 | 866.20000 |
| .597 | 4.190 | 10.01000 | -.03000 | -.04000 | 5.01200 | -.06000 | .01000 | -.21000 | -.21100 | 866.20000 |
| .597 | 6.220 | 9.97000 | -.03000 | -.05000 | 5.00300 | -.08000 | .01000 | -.22800 | -.22200 | 866.20000 |
| .597 | 8.270 | 9.96000 | -.04000 | -.05000 | 5.07300 | -.10000 | .01000 | -.24000 | -.24100 | 866.20000 |
| | GRADIENT | -.00680 | .00049 | .00366 | -.00343 | .00542 | -.00444 | .00054 | -.00067 | -.00000 |

RUN NO. 177/ 0 RN/L = 6.89 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -6.310 | 10.12000 | -.02000 | -.06000 | 2.30200 | -.08000 | .04000 | -.39400 | -.39400 | 1426.00000 |
| 1.197 | -4.200 | 10.11000 | -.01000 | -.06000 | 2.31700 | -.08000 | .05000 | -.37700 | -.37900 | 1426.00000 |
| 1.198 | -3.220 | 10.10000 | -.01000 | -.06000 | 2.32000 | -.07000 | .05000 | -.36800 | -.36700 | 1426.00000 |
| 1.197 | -2.210 | 10.12000 | -.01000 | -.07000 | 2.33000 | -.07000 | .06000 | -.35900 | -.35800 | 1426.00000 |
| 1.198 | -1.150 | 10.17000 | -.01000 | -.07000 | 2.33100 | -.09000 | .06000 | -.35200 | -.35100 | 1426.00000 |
| 1.199 | .000 | 10.29000 | -.02000 | -.08000 | 2.33000 | -.10000 | .06000 | -.34600 | -.34700 | 1426.00000 |
| 1.198 | 1.120 | 10.15000 | -.03000 | -.09000 | 2.34200 | -.12000 | .06000 | -.34500 | -.34600 | 1426.00000 |
| 1.198 | 2.190 | 10.10000 | .00000 | -.09000 | 2.33800 | -.09000 | .09000 | -.35600 | -.35700 | 1426.00000 |
| 1.198 | 3.220 | 10.06000 | .01000 | -.09000 | 2.32500 | -.09000 | .10000 | -.36800 | -.36900 | 1426.00000 |
| 1.197 | 4.260 | 10.03000 | -.02000 | -.06000 | 2.30400 | -.08000 | .04000 | -.38200 | -.38300 | 1426.00000 |
| 1.197 | 6.320 | 10.00000 | -.02000 | -.07000 | 2.27800 | -.09000 | .05000 | -.39400 | -.39700 | 1426.00000 |
| 1.197 | 8.400 | 10.00000 | -.01000 | -.08000 | 2.28500 | -.09000 | .08000 | -.40400 | -.40100 | 1426.00000 |
| | GRADIENT | -.00782 | .00031 | -.00236 | -.00015 | -.00206 | .00267 | -.00012 | -.00025 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B108) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 194/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.900 | -.04000 | -.01000 | -.05000 | -1.74600 | -.06000 | .04000 | -.20400 | -.20400 | 1402.00000 |
| .898 | .050 | -.05000 | -.01000 | -.04000 | -.31100 | -.05000 | .04000 | -.20100 | -.20300 | 1402.00000 |
| .996 | 2.160 | -.04000 | .00000 | -.04000 | 1.23700 | -.04000 | .04000 | -.19100 | -.19300 | 1402.00000 |
| .898 | 3.120 | -.03000 | .00000 | -.04000 | 1.85600 | -.04000 | .04000 | -.18500 | -.18700 | 1402.00000 |
| .899 | 4.170 | -.02000 | .01000 | -.04000 | 2.34900 | -.03000 | .04000 | -.19100 | -.19100 | 1402.00000 |
| .898 | 5.140 | -.02000 | .02000 | -.05000 | 2.67400 | -.07000 | .03000 | -.19100 | -.19100 | 1402.00000 |
| .898 | 6.120 | -.01000 | -.03000 | -.05000 | 2.95500 | -.08000 | .02000 | -.19100 | -.19400 | 1402.00000 |
| .897 | 7.160 | .00000 | -.04000 | -.06000 | 3.08700 | -.10000 | .02000 | -.18800 | -.18700 | 1402.00000 |
| .898 | 8.130 | .02000 | -.04000 | -.04000 | 3.18900 | -.09000 | .00000 | -.18700 | -.18200 | 1402.00000 |
| .898 | 9.070 | -.03000 | -.06000 | -.05000 | 3.22200 | -.11000 | -.01000 | -.19700 | -.19600 | 1402.00000 |
| .897 | 10.140 | .00000 | -.09000 | -.08000 | 3.19000 | -.17000 | -.01000 | -.20200 | -.19900 | 1402.00000 |
| .898 | 12.170 | .03000 | -.07000 | -.03000 | 3.00600 | -.09000 | -.04000 | -.21500 | -.21900 | 1402.00000 |
| .899 | 14.150 | .05000 | -.03000 | -.02000 | 2.78600 | -.06000 | -.01000 | -.24600 | -.24700 | 1402.00000 |
| .899 | 16.160 | .07000 | -.03000 | -.03000 | 2.57400 | -.06000 | .00000 | -.27300 | -.26800 | 1402.00000 |
| .900 | 18.080 | .09000 | -.02000 | -.04000 | 2.39100 | -.06000 | .02000 | -.29700 | -.29800 | 1402.00000 |
| .900 | 20.080 | .09000 | -.03000 | -.04000 | 2.21200 | -.07000 | .01000 | -.35000 | -.34600 | 1402.00000 |
| | GRADIENT | .00351 | .00316 | .00143 | .68826 | .00460 | -.00000 | .00288 | .00282 | -.00001 |

RUN NO. 185/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.990 | -.04000 | -.04000 | -.01000 | -1.56500 | -.05000 | -.03000 | -.23700 | -.23900 | 1458.00000 |
| .948 | .060 | -.03000 | -.06000 | -.02000 | -.34900 | -.08000 | -.05000 | -.24100 | -.23400 | 1458.00000 |
| .947 | 2.020 | -.03000 | .00000 | -.05000 | .88900 | -.05000 | .05000 | -.23000 | -.22600 | 1458.00000 |
| .948 | 3.090 | -.02000 | .01000 | -.05000 | 1.50200 | -.04000 | .06000 | -.23600 | -.23800 | 1458.00000 |
| .948 | 4.060 | -.02000 | -.01000 | -.03000 | 1.95100 | -.04000 | .02000 | -.23200 | -.23600 | 1458.00000 |
| .949 | 5.060 | -.02000 | -.04000 | -.01000 | 2.31000 | -.05000 | -.03000 | -.24100 | -.23200 | 1458.00000 |
| .949 | 5.990 | -.02000 | -.01000 | -.06000 | 2.56500 | -.06000 | .05000 | -.22700 | -.22700 | 1458.00000 |
| .948 | 7.050 | -.02000 | -.04000 | -.04000 | 2.81400 | -.09000 | .00000 | -.23600 | -.23400 | 1458.00000 |
| .947 | 8.040 | -.02000 | -.07000 | -.10000 | 2.92700 | -.16000 | .03000 | -.23100 | -.22700 | 1458.00000 |
| .951 | 8.980 | .00000 | -.02000 | -.03000 | 2.95700 | -.05000 | .01000 | -.24500 | -.24500 | 1458.00000 |
| .948 | 10.080 | .00000 | .00000 | -.05000 | 2.97900 | -.05000 | .05000 | -.24000 | -.24000 | 1458.00000 |
| .947 | 12.050 | .01000 | .00000 | -.06000 | 2.83100 | -.06000 | .07000 | -.25100 | -.24000 | 1458.00000 |
| .947 | 14.050 | .03000 | -.10000 | -.12000 | 2.65100 | -.22000 | .02000 | -.28600 | -.28600 | 1458.00000 |
| .949 | 16.070 | .04000 | -.03000 | -.04000 | 2.45200 | -.07000 | .01000 | -.31700 | -.33100 | 1458.00000 |
| .949 | 18.050 | .06000 | .03000 | .02000 | 2.29300 | .05000 | .01000 | -.36300 | -.35000 | 1458.00000 |
| .947 | 20.010 | .03000 | -.04000 | -.05000 | 2.14600 | -.09000 | .01000 | -.38800 | -.38600 | 1458.00000 |
| | GRADIENT | .00326 | .00895 | -.00538 | .59069 | .00357 | .01492 | .00103 | .00042 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B108) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 178/ 0 RN/L = 7.86 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.041 | -1.900 | -.03000 | -.01000 | -.07000 | -1.08500 | -.08000 | .05000 | -.37000 | -.37100 | 1520.00000 |
| 1.046 | -.590 | -.05000 | -.05000 | -.03000 | -.52700 | -.09000 | -.02000 | -.34500 | -.34600 | 1520.00000 |
| 1.041 | .150 | -.04000 | -.06000 | -.01000 | -.16600 | -.08000 | -.05000 | -.35200 | -.35100 | 1520.00000 |
| 1.042 | 2.120 | -.03000 | -.01000 | -.07000 | .72300 | -.08000 | .06000 | -.34700 | -.34700 | 1520.00000 |
| 1.047 | 3.090 | -.03000 | -.09000 | -.08000 | 1.12700 | -.17000 | -.01000 | -.34200 | -.34000 | 1520.00000 |
| 1.047 | 4.140 | -.01000 | -.08000 | .00000 | 1.47900 | -.07000 | -.08000 | -.34400 | -.34400 | 1520.00000 |
| 1.047 | 5.180 | -.01000 | -.01000 | -.08000 | 1.78600 | -.08000 | .07000 | -.34900 | -.34800 | 1520.00000 |
| 1.046 | 6.130 | -.01000 | -.03000 | -.07000 | 1.99800 | -.10000 | .04000 | -.35100 | -.35000 | 1520.00000 |
| 1.047 | 7.160 | .00000 | -.01000 | -.08000 | 2.17300 | -.09000 | .06000 | -.35500 | -.35200 | 1520.00000 |
| 1.047 | 8.160 | .02000 | -.02000 | -.07000 | 2.28600 | -.09000 | .05000 | -.35400 | -.35500 | 1520.00000 |
| 1.047 | 9.190 | -.01000 | -.01000 | -.10000 | 2.36300 | -.11000 | .09000 | -.35800 | -.36100 | 1520.00000 |
| 1.048 | 10.210 | .02000 | -.04000 | -.10000 | 2.41100 | -.13000 | .06000 | -.36300 | -.36200 | 1520.00000 |
| 1.046 | 12.230 | .03000 | -.04000 | -.12000 | 2.38800 | -.16000 | .08000 | -.38500 | -.38400 | 1520.00000 |
| 1.046 | 14.230 | .04000 | -.02000 | -.09000 | 2.31300 | -.12000 | .07000 | -.40900 | -.41000 | 1520.00000 |
| 1.047 | 16.120 | .05000 | -.05000 | -.09000 | 2.21900 | -.14000 | .04000 | -.44100 | -.44000 | 1520.00000 |
| 1.045 | 18.120 | .07000 | .04000 | -.07000 | 2.11200 | -.02000 | .11000 | -.47800 | -.48000 | 1520.00000 |
| 1.047 | 19.510 | .08000 | .01000 | -.12000 | 2.03100 | -.12000 | .13000 | -.50200 | -.50100 | 1520.00000 |
| | GRADIENT | .00388 | -.00892 | .00213 | .43280 | -.00466 | -.00991 | .00336 | .00365 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B109) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 195/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.910 | -.04000 | -9.86000 | .01000 | -3.07500 | -9.85000 | -9.87000 | -.18900 | -.18100 | 1401.00000 |
| .897 | .090 | -.05000 | -9.89000 | -.06000 | -2.13500 | -9.95000 | -9.83000 | -.18100 | -.18300 | 1401.00000 |
| .898 | 2.130 | -.03000 | -9.97000 | .05000 | -.84100 | -9.93000 | -10.02000 | -.18100 | -.18100 | 1401.00000 |
| .897 | 3.110 | -.03000 | -9.95000 | .03000 | -.11100 | -9.93000 | -9.98000 | -.17700 | -.18400 | 1401.00000 |
| .897 | 4.110 | -.02000 | -9.95000 | .01000 | .62300 | -9.94000 | -9.96000 | -.18000 | -.17900 | 1401.00000 |
| .899 | 5.130 | -.02000 | -9.93000 | -.02000 | 1.35100 | -9.94000 | -9.91000 | -.17400 | -.17600 | 1401.00000 |
| .898 | 6.100 | -.01000 | -9.96000 | -.01000 | 1.87500 | -9.97000 | -9.94000 | -.17500 | -.17100 | 1401.00000 |
| .898 | 7.160 | .00000 | -9.95000 | -.04000 | 2.28500 | -9.99000 | -9.91000 | -.17400 | -.17400 | 1401.00000 |
| .897 | 8.120 | .02000 | -9.92000 | .02000 | 2.44400 | -9.91000 | -9.94000 | -.17800 | -.17700 | 1401.00000 |
| .899 | 9.170 | -.01000 | -9.91000 | .01000 | 2.54300 | -9.90000 | -9.92000 | -.17500 | -.17500 | 1401.00000 |
| .898 | 10.160 | .00000 | -9.95000 | .05000 | 2.61200 | -9.90000 | -10.00000 | -.17800 | -.18100 | 1401.00000 |
| .898 | 12.120 | .03000 | -9.97000 | .07000 | 2.63000 | -9.90000 | -10.04000 | -.18900 | -.19100 | 1401.00000 |
| .898 | 14.090 | .05000 | -9.97000 | .05000 | 2.51700 | -9.92000 | -10.01000 | -.21200 | -.20800 | 1401.00000 |
| .898 | 16.080 | .07000 | -9.96000 | .04000 | 2.39000 | -9.92000 | -10.00000 | -.24500 | -.24300 | 1401.00000 |
| .898 | 18.110 | .09000 | -9.96000 | .02000 | 2.24600 | -9.94000 | -9.99000 | -.28300 | -.27900 | 1401.00000 |
| .897 | 20.070 | .11000 | -9.96000 | .02000 | 2.10000 | -9.94000 | -9.99000 | -.31400 | -.31400 | 1401.00000 |
| | GRADIENT | .00378 | -.01729 | .00667 | .61693 | -.01157 | -.02396 | .00155 | .00014 | -.00000 |

RUN NO. 186/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -2.010 | -.03000 | -9.89000 | -.03000 | -2.79400 | -9.91000 | -9.85000 | -.21500 | -.20500 | 1457.00000 |
| .949 | -.070 | -.03000 | -9.90000 | .01000 | -2.02600 | -9.90000 | -9.91000 | -.20300 | -.20100 | 1457.00000 |
| .947 | 2.050 | -.03000 | -9.89000 | -.03000 | -.79000 | -9.91000 | -9.86000 | -.19900 | -.19900 | 1457.00000 |
| .946 | 3.080 | -.02000 | -9.92000 | .01000 | -.08200 | -9.91000 | -9.92000 | -.19100 | -.19500 | 1457.00000 |
| .948 | 4.050 | -.03000 | -9.93000 | .01000 | .52100 | -9.92000 | -9.94000 | -.19500 | -.19100 | 1457.00000 |
| .948 | 5.090 | -.03000 | -9.94000 | .01000 | 1.13900 | -9.93000 | -9.95000 | -.19000 | -.19100 | 1457.00000 |
| .949 | 6.030 | -.03000 | -9.96000 | .02000 | 1.57400 | -9.93000 | -9.98000 | -.19600 | -.18900 | 1457.00000 |
| .949 | 7.040 | -.02000 | -9.98000 | .03000 | 1.92400 | -9.95000 | -10.01000 | -.20500 | -.20800 | 1457.00000 |
| .947 | 7.630 | -.01000 | -10.00000 | .02000 | 2.50400 | -9.98000 | -10.02000 | -.19900 | -.19900 | 1457.00000 |
| .946 | 8.070 | -.03000 | -10.00000 | .02000 | 2.19200 | -9.98000 | -10.02000 | -.20000 | -.20000 | 1457.00000 |
| .947 | 8.640 | .00000 | -9.99000 | .00000 | 2.64300 | -9.99000 | -9.98000 | -.21400 | -.21100 | 1457.00000 |
| .948 | 9.870 | .12000 | -9.96000 | -.10000 | 2.82400 | -10.06000 | -9.86000 | -.22500 | -.22400 | 1457.00000 |
| .948 | 11.040 | .37000 | -10.04000 | -.01000 | 2.85600 | -10.06000 | -10.03000 | -.27400 | -.26400 | 1457.00000 |
| .947 | 12.210 | .73000 | -10.03000 | -.02000 | 2.83000 | -10.06000 | -10.01000 | -.29800 | -.29900 | 1457.00000 |
| .946 | 13.320 | 1.11000 | -10.01000 | -.03000 | 2.79500 | -10.04000 | -9.99000 | -.32500 | -.31400 | 1457.00000 |
| .950 | 14.470 | 1.82000 | -9.96000 | .03000 | 2.71300 | -9.93000 | -9.99000 | -.36500 | -.36600 | 1457.00000 |
| | GRADIENT | .00069 | -.00725 | .00466 | .55452 | -.00171 | -.01122 | .00352 | .00213 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B109) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 179/ 0 RN/L = 7.90 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -1.890 | -.11000 | -9.90000 | -.01000 | -1.90200 | -9.91000 | -9.89000 | -.34700 | -.35000 | 1541.00000 |
| 1.046 | .120 | -.10000 | -9.90000 | -.02000 | -1.14200 | -9.93000 | -9.88000 | -.33600 | -.33600 | 1541.00000 |
| 1.047 | 2.120 | -.08000 | -9.94000 | .01000 | -.22600 | -9.94000 | -9.95000 | -.32600 | -.32400 | 1541.00000 |
| 1.049 | 3.110 | -.07000 | -9.89000 | -.02000 | .25400 | -9.90000 | -9.87000 | -.32200 | -.32100 | 1541.00000 |
| 1.045 | 4.140 | -.07000 | -9.89000 | -.03000 | .66300 | -9.91000 | -9.86000 | -.32900 | -.32900 | 1541.00000 |
| 1.046 | 5.180 | -.06000 | -9.89000 | -.03000 | 1.04500 | -9.92000 | -9.87000 | -.33100 | -.33200 | 1541.00000 |
| 1.047 | 6.130 | -.06000 | -9.90000 | -.02000 | 1.33200 | -9.92000 | -9.89000 | -.33200 | -.33300 | 1541.00000 |
| 1.048 | 7.250 | -.05000 | -9.93000 | .00000 | 1.60300 | -9.93000 | -9.93000 | -.33900 | -.33700 | 1541.00000 |
| 1.049 | 8.190 | -.03000 | -9.96000 | .02000 | 1.78200 | -9.94000 | -9.99000 | -.34600 | -.34000 | 1541.00000 |
| 1.047 | 9.090 | -.01000 | -9.93000 | -.01000 | 1.93100 | -9.95000 | -9.92000 | -.34600 | -.34800 | 1541.00000 |
| 1.046 | 10.200 | -.03000 | -9.94000 | -.01000 | 2.06000 | -9.95000 | -9.92000 | -.35800 | -.36000 | 1541.00000 |
| 1.046 | 12.150 | -.02000 | -9.93000 | -.02000 | 2.14500 | -9.95000 | -9.91000 | -.38400 | -.38400 | 1541.00000 |
| 1.048 | 14.170 | -.01000 | -9.91000 | -.01000 | 2.14400 | -9.92000 | -9.90000 | -.39700 | -.39900 | 1541.00000 |
| 1.048 | 16.200 | .00000 | -9.89000 | -.04000 | 2.08900 | -9.93000 | -9.85000 | -.42500 | -.42600 | 1541.00000 |
| 1.048 | 18.190 | .02000 | -9.91000 | .04000 | 2.03600 | -9.87000 | -9.95000 | -.46400 | -.46400 | 1541.00000 |
| 1.049 | 20.050 | .06000 | -9.94000 | .03000 | 1.97300 | -9.91000 | -9.97000 | -.48400 | -.48500 | 1541.00000 |
| | GRADIENT | .00739 | .00078 | -.00181 | .43229 | .00111 | .00259 | .00360 | .00416 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28110) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 187/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.980 | 4.19000 | -9.95000 | .01000 | -2.78800 | -9.94000 | -9.96000 | -.25200 | -.25200 | 1457.00000 |
| .949 | .030 | 4.19000 | -9.93000 | -.01000 | -1.94700 | -9.94000 | -9.91000 | -.24300 | -.23800 | 1457.00000 |
| .948 | 2.070 | 4.21000 | -9.94000 | .00000 | -.79400 | -9.94000 | -9.95000 | -.23300 | -.24000 | 1457.00000 |
| .947 | 3.080 | 4.22000 | -9.96000 | .01000 | -.13200 | -9.95000 | -9.96000 | -.22800 | -.22300 | 1457.00000 |
| .947 | 4.050 | 4.22000 | -9.97000 | .02000 | .49000 | -9.95000 | -9.98000 | -.21400 | -.22200 | 1457.00000 |
| .948 | 5.100 | 4.21000 | -9.96000 | .01000 | 1.07500 | -9.95000 | -9.97000 | -.22500 | -.21400 | 1457.00000 |
| .949 | 6.040 | 4.22000 | -9.96000 | .00000 | 1.52700 | -9.97000 | -9.96000 | -.22800 | -.22800 | 1457.00000 |
| .951 | 6.990 | 4.21000 | -9.98000 | .00000 | 1.85800 | -9.98000 | -9.97000 | -.23000 | -.22900 | 1457.00000 |
| .949 | 8.070 | 4.25000 | -9.98000 | -.01000 | 2.14300 | -9.99000 | -9.97000 | -.23100 | -.22500 | 1457.00000 |
| .946 | 9.090 | 4.27000 | -9.98000 | -.01000 | 2.36000 | -10.00000 | -9.97000 | -.22800 | -.23300 | 1457.00000 |
| .948 | 10.030 | 4.29000 | -10.00000 | -.02000 | 2.47700 | -10.02000 | -9.97000 | -.23500 | -.23900 | 1457.00000 |
| .947 | 12.030 | 4.30000 | -10.04000 | -.06000 | 2.56800 | -10.11000 | -9.98000 | -.24600 | -.25200 | 1457.00000 |
| .948 | 14.080 | 4.32000 | -10.06000 | -.08000 | 2.48600 | -10.13000 | -9.98000 | -.27700 | -.27700 | 1457.00000 |
| .947 | 16.130 | 4.32000 | -10.07000 | -.10000 | 2.36300 | -10.16000 | -9.97000 | -.30100 | -.31100 | 1457.00000 |
| .948 | 18.090 | 4.32000 | -9.96000 | .03000 | 2.24400 | -9.94000 | -9.99000 | -.32200 | -.31100 | 1457.00000 |
| .948 | 20.110 | 4.37000 | -9.94000 | .04000 | 2.09500 | -9.89000 | -9.98000 | -.35000 | -.35400 | 1457.00000 |
| | GRADIENT | .00591 | -.00384 | .00204 | .54676 | -.00179 | -.00495 | .00581 | .00478 | -.00001 |

RUN NO. 181/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -1.920 | 4.20000 | -9.90000 | -.04000 | -1.89700 | -9.94000 | -9.86000 | -.39100 | -.39100 | 1560.00000 |
| 1.048 | .090 | 4.19000 | -9.90000 | -.05000 | -1.16900 | -9.95000 | -9.85000 | -.37800 | -.37900 | 1560.00000 |
| 1.046 | 2.080 | 4.18000 | -9.90000 | .00000 | -.27000 | -9.90000 | -9.91000 | -.37700 | -.37700 | 1560.00000 |
| 1.045 | 3.090 | 4.17000 | -9.92000 | .01000 | .18700 | -9.91000 | -9.92000 | -.37700 | -.37800 | 1560.00000 |
| 1.046 | 4.120 | 4.16000 | -9.95000 | .03000 | .61500 | -9.92000 | -9.99000 | -.37800 | -.37900 | 1560.00000 |
| 1.048 | 5.080 | 4.16000 | -9.99000 | .06000 | .95200 | -9.93000 | -10.04000 | -.37600 | -.37900 | 1560.00000 |
| 1.046 | 6.030 | 4.16000 | -9.92000 | -.02000 | 1.25100 | -9.95000 | -9.90000 | -.38500 | -.38400 | 1560.00000 |
| 1.048 | 7.030 | 4.15000 | -9.93000 | -.03000 | 1.48800 | -9.96000 | -9.90000 | -.39100 | -.39000 | 1560.00000 |
| 1.048 | 8.020 | 4.18000 | -9.96000 | -.01000 | 1.68500 | -9.97000 | -9.95000 | -.40000 | -.39600 | 1560.00000 |
| 1.046 | 9.090 | 4.19000 | -10.02000 | .02000 | 1.84700 | -10.00000 | -10.03000 | -.40800 | -.40800 | 1560.00000 |
| 1.048 | 10.030 | 4.19000 | -9.99000 | .06000 | 1.97900 | -9.94000 | -10.05000 | -.41000 | -.41000 | 1560.00000 |
| 1.048 | 12.030 | 4.19000 | -9.94000 | -.02000 | 2.11700 | -9.96000 | -9.92000 | -.41500 | -.41600 | 1560.00000 |
| 1.047 | 14.120 | 4.20000 | -9.95000 | -.02000 | 2.14400 | -9.97000 | -9.93000 | -.42200 | -.42100 | 1560.00000 |
| 1.046 | 16.120 | 4.21000 | -9.93000 | -.03000 | 2.10000 | -9.96000 | -9.90000 | -.43800 | -.43700 | 1560.00000 |
| 1.049 | 18.030 | 4.23000 | -9.95000 | .03000 | 2.05800 | -9.91000 | -9.98000 | -.44200 | -.44100 | 1560.00000 |
| 1.049 | 20.010 | 4.27000 | -9.94000 | -.01000 | 1.96400 | -9.95000 | -9.94000 | -.46900 | -.47000 | 1560.00000 |
| | GRADIENT | -.00644 | -.00698 | .01287 | .42146 | .00590 | -.02054 | .00199 | .00187 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B111) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 197/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.900 | 4.20000 | -.02000 | -.03000 | -1.82400 | -.05000 | .02000 | -.21100 | -.21200 | 1402.00000 |
| .898 | .010 | 4.18000 | .00000 | -.03000 | -.42200 | -.03000 | .02000 | -.21100 | -.21000 | 1402.00000 |
| .899 | 2.090 | 4.17000 | -.02000 | -.04000 | 1.14400 | -.06000 | .02000 | -.20300 | -.20900 | 1402.00000 |
| .896 | 3.100 | 4.17000 | -.02000 | -.03000 | 1.78700 | -.05000 | .01000 | -.20400 | -.20800 | 1402.00000 |
| .897 | 4.100 | 4.17000 | -.01000 | -.04000 | 2.30900 | -.05000 | .03000 | -.19900 | -.20000 | 1402.00000 |
| .898 | 5.080 | 4.17000 | -.01000 | -.03000 | 2.69900 | -.05000 | .02000 | -.20400 | -.20200 | 1402.00000 |
| .898 | 5.950 | 4.18000 | -.01000 | -.02000 | 2.93900 | -.03000 | .01000 | -.20200 | -.20000 | 1402.00000 |
| .898 | 7.050 | 4.18000 | -.02000 | -.02000 | 3.09900 | -.04000 | .00000 | -.20300 | -.20500 | 1402.00000 |
| .898 | 8.010 | 4.21000 | -.04000 | .00000 | 3.24600 | -.04000 | -.03000 | -.20900 | -.21300 | 1402.00000 |
| .898 | 8.960 | 4.21000 | -.10000 | -.08000 | 3.23300 | -.18000 | -.02000 | -.21100 | -.21400 | 1402.00000 |
| .897 | 10.020 | 4.20000 | -.01000 | -.04000 | 3.22400 | -.05000 | .03000 | -.22300 | -.22900 | 1402.00000 |
| .897 | 12.070 | 4.21000 | -.04000 | -.05000 | 3.03900 | -.09000 | .01000 | - 23100 | -.23000 | 1402.00000 |
| .896 | 14.040 | 4.23000 | .00000 | -.05000 | 2.81300 | -.05000 | .05000 | -.25200 | -.24500 | 1402.00000 |
| .897 | 16.030 | 4.25000 | -.01000 | -.10000 | 2.61900 | -.11000 | .09000 | -.27900 | -.27700 | 1402.00000 |
| .897 | 18.080 | 4.31000 | -.01000 | -.03000 | 2.43300 | -.04000 | .02000 | -.30000 | -.30300 | 1402.00000 |
| .897 | 20.050 | 4.32000 | -.08000 | -.10000 | 2.25200 | -.18000 | .03000 | -.34900 | -.36000 | 1402.00000 |
| | GRADIENT | -.00495 | -.00014 | -.00138 | .70066 | -.00151 | .00043 | .00203 | .00157 | .00000 |

RUN NO. 188/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.010 | 4.18000 | -.03000 | -.05000 | -1.61700 | -.08000 | .02000 | -.24400 | -.25000 | 1456.00000 |
| .950 | .060 | 4.20000 | -.03000 | -.04000 | -.40100 | -.08000 | .01000 | -.25400 | -.25500 | 1456.00000 |
| .950 | 2.060 | 4.18000 | -.03000 | -.04000 | .84100 | -.07000 | .01000 | -.24700 | -.24300 | 1456.00000 |
| .949 | 3.020 | 4.18000 | -.03000 | -.04000 | 1.37900 | -.07000 | .01000 | -.25200 | -.24800 | 1456.00000 |
| .946 | 3.980 | 4.18000 | -.03000 | -.05000 | 1.84800 | -.08000 | .02000 | -.23800 | -.23800 | 1456.00000 |
| .948 | 5.010 | 4.19000 | -.03000 | -.06000 | 2.24800 | -.09000 | .02000 | -.23400 | -.24400 | 1456.00000 |
| .948 | 5.940 | 4.20000 | -.02000 | -.03000 | 2.52800 | -.05000 | .01000 | -.24900 | -.24800 | 1456.00000 |
| .948 | 7.040 | 4.21000 | -.03000 | -.04000 | 2.76800 | -.06000 | .01000 | -.23900 | -.24200 | 1456.00000 |
| .949 | 8.040 | 4.23000 | -.05000 | -.05000 | 2.86600 | -.10000 | .01000 | -.24000 | -.24200 | 1456.00000 |
| .947 | 8.900 | 4.25000 | .00000 | -.03000 | 2.95400 | -.04000 | .03000 | -.25500 | -.25600 | 1456.00000 |
| .948 | 9.970 | 4.26000 | .00000 | -.06000 | 2.98400 | -.06000 | .07000 | -.26400 | -.26200 | 1456.00000 |
| .947 | 12.050 | 4.30000 | -.01000 | -.06000 | 2.87900 | -.07000 | .04000 | -.27600 | -.27300 | 1456.00000 |
| .949 | 14.120 | 4.32000 | -.03000 | -.05000 | 2.66700 | -.09000 | .02000 | -.30800 | -.29800 | 1456.00000 |
| .948 | 16.130 | 4.32000 | -.02000 | -.04000 | 2.48400 | -.07000 | .02000 | -.31900 | -.33700 | 1456.00000 |
| .948 | 18.030 | 4.32000 | -.02000 | -.05000 | 2.33600 | -.08000 | .03000 | -.38900 | -.38500 | 1456.00000 |
| .950 | 20.020 | 4.37000 | -.03000 | -.02000 | 2.16300 | -.05000 | .00000 | -.37900 | -.38400 | 1456.00000 |
| | GRADIENT | -.00118 | -.00000 | .00038 | .58619 | .00097 | -.00038 | .00062 | .00195 | .00000 |

ARC 200-1 11(LA77) OV101 (A28111) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 182/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -1.930 | 4.19000 | -.02000 | -.06000 | -1.10600 | -.09000 | .04000 | -.39300 | -.39400 | 1570.00000 |
| 1.047 | .190 | 4.18000 | -.02000 | -.06000 | -.17900 | -.08000 | .04000 | -.38300 | -.38300 | 1570.00000 |
| 1.048 | 2.040 | 4.17000 | -.02000 | -.06000 | .66200 | -.07000 | .04000 | -.37200 | -.37300 | 1570.00000 |
| 1.047 | 3.060 | 4.17000 | -.03000 | -.05000 | 1.06600 | -.08000 | .03000 | -.37200 | -.37000 | 1570.00000 |
| 1.047 | 4.020 | 4.17000 | -.05000 | -.05000 | 1.41600 | -.10000 | .00000 | -.37300 | -.37200 | 1570.00000 |
| 1.045 | 5.050 | 4.15000 | -.01000 | -.05000 | 1.72300 | -.07000 | .04000 | -.37600 | -.37400 | 1570.00000 |
| 1.045 | 6.020 | 4.17000 | -.02000 | -.05000 | 1.94200 | -.07000 | .03000 | -.38500 | -.38300 | 1570.00000 |
| 1.046 | 7.020 | 4.18000 | -.03000 | -.06000 | 2.10000 | -.09000 | .03000 | -.39000 | -.39000 | 1570.00000 |
| 1.048 | 8.010 | 4.20000 | -.02000 | -.05000 | 2.22200 | -.07000 | .03000 | -.39000 | -.39200 | 1570.00000 |
| 1.046 | 9.020 | 4.20000 | -.06000 | -.04000 | 2.30800 | -.10000 | -.02000 | -.39700 | -.39600 | 1570.00000 |
| 1.046 | 10.010 | 4.19000 | -.13000 | -.12000 | 2.36100 | -.26000 | -.01000 | -.40000 | -.39900 | 1570.00000 |
| 1.046 | 11.050 | 4.18000 | -.09000 | -.08000 | 2.38800 | -.18000 | -.01000 | -.40400 | -.40300 | 1570.00000 |
| 1.048 | 14.070 | 4.20000 | .01000 | -.03000 | 2.34300 | -.03000 | .04000 | -.41900 | -.41700 | 1570.00000 |
| 1.045 | 16.000 | 4.21000 | -.08000 | -.10000 | 2.24000 | -.18000 | .02000 | -.44000 | -.43900 | 1570.00000 |
| 1.049 | 18.040 | 4.24000 | .02000 | -.05000 | 2.12700 | -.03000 | .07000 | -.46600 | -.46800 | 1570.00000 |
| 1.043 | 19.990 | 4.27000 | -.02000 | -.03000 | 2.00300 | -.05000 | .02000 | -.50800 | -.50800 | 1570.00000 |
| | GRADIENT | -.00359 | -.00409 | .00183 | .42837 | -.00050 | -.00521 | .00369 | .00407 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28112) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000.

RUN NO. 198/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -6.230 | 5.18000 | -.02000 | -.05000 | 2.75200 | -.07000 | .03000 | -.22200 | -.22100 | 1401.00000 |
| .898 | -4.190 | 5.17000 | -.02000 | -.06000 | 2.79600 | -.08000 | .04000 | -.19600 | -.19200 | 1401.00000 |
| .898 | -3.170 | 5.16000 | -.03000 | -.07000 | 2.78900 | -.10000 | .04000 | -.19600 | -.19000 | 1401.00000 |
| .897 | -2.150 | 5.13000 | -.02000 | -.04000 | 2.77200 | -.06000 | .02000 | -.18900 | -.19100 | 1401.00000 |
| .899 | -1.090 | 5.14000 | -.02000 | -.05000 | 2.73800 | -.06000 | .03000 | -.18600 | -.18500 | 1401.00000 |
| .895 | -.030 | 5.14000 | -.02000 | -.05000 | 2.71300 | -.07000 | .04000 | -.19000 | -.19100 | 1401.00000 |
| .899 | 1.000 | 5.19000 | -.02000 | -.05000 | 2.72300 | -.07000 | .03000 | -.18800 | -.19100 | 1401.00000 |
| .896 | 2.050 | 5.16000 | -.03000 | -.04000 | 2.74100 | -.07000 | .02000 | -.19500 | -.19600 | 1401.00000 |
| .899 | 3.100 | 5.13000 | -.02000 | -.04000 | 2.72800 | -.06000 | .02000 | -.19400 | -.19600 | 1401.00000 |
| .897 | 4.150 | 5.11000 | -.03000 | -.05000 | 2.72900 | -.09000 | .02000 | -.20600 | -.20500 | 1401.00000 |
| .897 | 6.260 | 5.09000 | -.02000 | -.04000 | 2.66400 | -.06000 | .03000 | -.21500 | -.21300 | 1401.00000 |
| .896 | 8.350 | 5.11000 | .00000 | -.05000 | 2.65500 | -.06000 | .05000 | -.24800 | -.24800 | 1401.00000 |
| | GRADIENT | -.00351 | -.00048 | .00207 | -.00842 | .00079 | -.00223 | -.00077 | -.00138 | .00000 |

RUN NO. 189/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.320 | 5.05000 | -.03000 | -.03000 | 2.26200 | -.06000 | -.01000 | -.26400 | -.25900 | 1457.00000 |
| .949 | -4.250 | 5.01000 | -.01000 | -.08000 | 2.30800 | -.08000 | .07000 | -.24500 | -.24000 | 1457.00000 |
| .951 | -3.200 | 5.01000 | -.02000 | -.05000 | 2.28500 | -.07000 | .03000 | -.24600 | -.23100 | 1457.00000 |
| .948 | -2.140 | 5.00000 | -.03000 | -.06000 | 2.31200 | -.09000 | .02000 | -.24200 | -.24100 | 1457.00000 |
| .947 | -1.100 | 4.97000 | -.03000 | -.02000 | 2.31700 | -.04000 | -.01000 | -.23900 | -.23600 | 1457.00000 |
| .949 | -.010 | 4.97000 | .00000 | -.05000 | 2.30900 | -.06000 | .05000 | -.23200 | -.24200 | 1457.00000 |
| .948 | 1.010 | 5.00000 | -.02000 | -.04000 | 2.31600 | -.06000 | .03000 | -.23600 | -.23900 | 1457.00000 |
| .948 | 2.080 | 4.99000 | -.04000 | -.03000 | 2.30700 | -.07000 | -.01000 | -.23500 | -.23800 | 1457.00000 |
| .948 | 3.110 | 5.00000 | -.03000 | -.04000 | 2.27100 | -.07000 | .00000 | -.22900 | -.22600 | 1457.00000 |
| .949 | 4.160 | 4.98000 | -.02000 | -.05000 | 2.21300 | -.07000 | .04000 | -.24500 | -.23800 | 1457.00000 |
| .950 | 6.250 | 4.97000 | -.03000 | -.05000 | 2.16200 | -.08000 | .01000 | -.25400 | -.26100 | 1457.00000 |
| .947 | 8.350 | 4.98000 | -.02000 | -.03000 | 2.14300 | -.05000 | .02000 | -.28100 | -.28700 | 1457.00000 |
| | GRADIENT | -.00223 | -.00126 | .00301 | -.00684 | .00095 | -.00364 | .00108 | .00041 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B112) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 183/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -6.340 | 5.05000 | -.04000 | -.05000 | 1.76100 | -.09000 | .01000 | -.40600 | -.40600 | 1569.00000 |
| 1.047 | -4.250 | 4.99000 | -.04000 | -.05000 | 1.74200 | -.09000 | .01000 | -.37400 | -.37500 | 1569.00000 |
| 1.046 | -3.200 | 4.99000 | -.05000 | -.05000 | 1.73900 | -.10000 | .01000 | -.36800 | -.36600 | 1569.00000 |
| 1.048 | -2.150 | 4.99000 | -.05000 | -.06000 | 1.74100 | -.11000 | .01000 | -.35300 | -.35500 | 1569.00000 |
| 1.046 | -1.090 | 4.97000 | -.04000 | -.06000 | 1.73200 | -.11000 | .02000 | -.35100 | -.35200 | 1569.00000 |
| 1.045 | -.010 | 4.96000 | -.04000 | -.06000 | 1.72500 | -.11000 | .02000 | -.34900 | -.34900 | 1569.00000 |
| 1.046 | 1.010 | 4.98000 | -.03000 | -.06000 | 1.72700 | -.10000 | .03000 | -.34800 | -.34900 | 1569.00000 |
| 1.047 | 2.080 | 4.98000 | -.10000 | -.13000 | 1.73000 | -.22000 | .03000 | -.35200 | -.35300 | 1569.00000 |
| 1.047 | 3.100 | 4.97000 | -.03000 | -.06000 | 1.71400 | -.10000 | .03000 | -.36200 | -.36100 | 1569.00000 |
| 1.047 | 4.160 | 4.96000 | -.02000 | -.06000 | 1.70300 | -.09000 | .04000 | -.37300 | -.37300 | 1569.00000 |
| 1.046 | 6.250 | 4.96000 | -.01000 | -.10000 | 1.68400 | -.12000 | .09000 | -.40800 | -.40800 | 1569.00000 |
| 1.044 | 8.360 | 4.97000 | .00000 | -.13000 | 1.68600 | -.13000 | .13000 | -.42900 | -.42800 | 1569.00000 |
| | GRADIENT | -.00302 | .00078 | -.00335 | -.00409 | -.00336 | .00364 | .00044 | .00048 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B113) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 190/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.240 | 14.95000 | -.01000 | -.04000 | 2.61300 | -.05000 | .03000 | -.32700 | -.32400 | 1457.00000 |
| .948 | -4.170 | 14.99000 | -.02000 | -.05000 | 2.58000 | -.07000 | .03000 | -.30200 | -.30100 | 1457.00000 |
| .948 | -3.130 | 14.98000 | -.02000 | -.05000 | 2.57800 | -.07000 | .02000 | -.30000 | -.30600 | 1457.00000 |
| .948 | -2.080 | 14.96000 | -.03000 | -.05000 | 2.57300 | -.07000 | .02000 | -.30700 | -.30400 | 1457.00000 |
| .947 | -1.030 | 14.97000 | -.02000 | -.05000 | 2.55800 | -.07000 | .02000 | -.30700 | -.30400 | 1457.00000 |
| .948 | .040 | 14.97000 | -.02000 | -.03000 | 2.55100 | -.05000 | .01000 | -.30000 | -.30400 | 1457.00000 |
| .947 | 1.070 | 14.97000 | -.02000 | -.04000 | 2.55100 | -.06000 | .01000 | -.30100 | -.29800 | 1457.00000 |
| .948 | 2.130 | 14.96000 | -.01000 | -.05000 | 2.56900 | -.06000 | .04000 | -.31100 | -.31300 | 1457.00000 |
| .947 | 3.190 | 14.97000 | -.02000 | -.04000 | 2.57200 | -.06000 | .02000 | -.30400 | -.29300 | 1457.00000 |
| .949 | 4.190 | 14.97000 | -.01000 | -.04000 | 2.59200 | -.05000 | .03000 | -.32000 | -.31600 | 1457.00000 |
| .947 | 6.310 | 14.96000 | .00000 | -.05000 | 2.59900 | -.04000 | .05000 | -.31700 | -.33000 | 1457.00000 |
| .948 | 8.430 | 14.98000 | .00000 | -.04000 | 2.63000 | -.05000 | .04000 | -.32100 | -.31500 | 1457.00000 |
| | GRADIENT | -.00175 | .00127 | .00128 | .00023 | .00223 | .00047 | -.00136 | -.00052 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A28114) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 191/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.240 | 14.95000 | -.02000 | -.03000 | 2.61300 | -.05000 | .00000 | -.32500 | -.33000 | 1459.00000 |
| .948 | -4.170 | 14.94000 | -.03000 | -.02000 | 2.59200 | -.05000 | .00000 | -.31300 | -.31200 | 1459.00000 |
| .948 | -3.200 | 14.95000 | -.03000 | -.03000 | 2.57600 | -.05000 | .00000 | -.30300 | -.30500 | 1459.00000 |
| .949 | -2.150 | 14.94000 | -.03000 | -.03000 | 2.56400 | -.06000 | .01000 | -.29800 | -.29900 | 1459.00000 |
| .950 | -1.100 | 14.96000 | -.04000 | -.03000 | 2.55500 | -.07000 | -.01000 | -.29500 | -.30000 | 1459.00000 |
| .948 | -.030 | 14.97000 | -.05000 | -.05000 | 2.56400 | -.10000 | .00000 | -.31500 | -.30400 | 1459.00000 |
| .951 | 1.010 | 15.02000 | -.04000 | -.04000 | 2.53800 | -.08000 | .00000 | -.30300 | -.30200 | 1459.00000 |
| .948 | 2.090 | 15.01000 | -.03000 | -.04000 | 2.56300 | -.07000 | .00000 | -.29500 | -.29700 | 1459.00000 |
| .947 | 3.150 | 14.99000 | -.02000 | -.05000 | 2.58000 | -.07000 | .03000 | -.30700 | -.30800 | 1459.00000 |
| .948 | 4.220 | 14.99000 | -.04000 | -.04000 | 2.59000 | -.08000 | -.01000 | -.31500 | -.30800 | 1459.00000 |
| .948 | 6.350 | 14.98000 | -.01000 | -.05000 | 2.60100 | -.06000 | .04000 | -.32500 | -.32900 | 1459.00000 |
| .950 | 8.420 | 15.00000 | -.03000 | -.03000 | 2.61800 | -.06000 | .00000 | -.30800 | -.31600 | 1459.00000 |
| | GRADIENT | .00821 | -.00015 | -.00268 | -.00019 | -.00331 | .00063 | -.00037 | .00013 | .00000 |

ARC 200-1 11(LA77) OV101 (A28115) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = -2.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 192/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.870 | -2.16000 | -10.03000 | 5.01000 | -2.53800 | -5.03000 | -15.04000 | -.22300 | -.22800 | 1458.00000 |
| .949 | .090 | -2.17000 | -10.05000 | 5.01000 | -1.79200 | -5.04000 | -15.06000 | -.22100 | -.22200 | 1458.00000 |
| .948 | 2.180 | -2.14000 | -10.07000 | 5.03000 | -.60100 | -5.04000 | -15.10000 | -.20900 | -.20800 | 1458.00000 |
| .947 | 3.140 | -2.11000 | -10.07000 | 5.03000 | -.01100 | -5.04000 | -15.10000 | -.20400 | -.19600 | 1458.00000 |
| .948 | 4.120 | -2.11000 | -10.07000 | 5.03000 | .58700 | -5.04000 | -15.10000 | -.20300 | -.20500 | 1458.00000 |
| .950 | 5.140 | -2.07000 | -10.06000 | 5.01000 | 1.14400 | -5.05000 | -15.07000 | -.21100 | -.20900 | 1458.00000 |
| .950 | 6.070 | -2.07000 | -10.06000 | 5.01000 | 1.57000 | -5.05000 | -15.07000 | -.20800 | -.20400 | 1458.00000 |
| .949 | 7.110 | -2.04000 | -10.08000 | 5.03000 | 1.92200 | -5.05000 | -15.11000 | -.20600 | -.20400 | 1458.00000 |
| .948 | 8.080 | -2.04000 | -10.07000 | 5.01000 | 2.17700 | -5.06000 | -15.08000 | -.20500 | -.21600 | 1458.00000 |
| .948 | 9.020 | -2.07000 | -10.09000 | 5.02000 | 2.35000 | -5.06000 | -15.11000 | -.20900 | -.21900 | 1458.00000 |
| .951 | 10.030 | -2.08000 | -10.05000 | 4.99000 | 2.47100 | -5.07000 | -15.04000 | -.23100 | -.23100 | 1458.00000 |
| .948 | 12.000 | -2.12000 | -9.99000 | 5.02000 | 2.53900 | -4.97000 | -15.01000 | -.23900 | -.23400 | 1458.00000 |
| | GRADIENT | .01015 | -.00706 | .00415 | .52792 | -.00146 | -.01121 | .00379 | .00494 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28116) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 196/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.890 | -.04000 | -10.08000 | 5.03000 | -2.94400 | -5.05000 | -15.11000 | -.19800 | -.19800 | 1401.00000 |
| .898 | .100 | -.04000 | -10.09000 | 5.03000 | -2.03300 | -5.06000 | -15.12000 | -.19600 | -.20200 | 1401.00000 |
| .898 | 2.110 | -.02000 | -10.10000 | 5.04000 | -.79200 | -5.06000 | -15.15000 | -.19300 | -.19100 | 1401.00000 |
| .898 | 3.090 | -.02000 | -10.11000 | 5.03000 | -.09100 | -5.08000 | -15.15000 | -.18400 | -.18100 | 1401.00000 |
| .898 | 4.100 | -.01000 | -10.13000 | 5.04000 | .63500 | -5.09000 | -15.17000 | -.18400 | -.18100 | 1401.00000 |
| .898 | 5.110 | .00000 | -10.17000 | 5.06000 | 1.31500 | -5.11000 | -15.23000 | -.17800 | -.18000 | 1401.00000 |
| .896 | 6.090 | .01000 | -10.17000 | 5.07000 | 1.80200 | -5.10000 | -15.24000 | -.17600 | -.17900 | 1401.00000 |
| .899 | 7.160 | .01000 | -10.16000 | 5.07000 | 2.18800 | -5.09000 | -15.22000 | -.17600 | -.17400 | 1401.00000 |
| .898 | 8.130 | .03000 | -10.04000 | 5.00000 | 2.41900 | -5.04000 | -15.04000 | -.18200 | -.17500 | 1401.00000 |
| .899 | 9.170 | .00000 | -10.04000 | 4.99000 | 2.57400 | -5.05000 | -15.03000 | -.18700 | -.18000 | 1401.00000 |
| .897 | 10.160 | .01000 | -10.04000 | 4.99000 | 2.65600 | -5.06000 | -15.03000 | -.18400 | -.17800 | 1401.00000 |
| .898 | 12.120 | .02000 | -10.05000 | 4.98000 | 2.64600 | -5.07000 | -15.02000 | -.20100 | -.19900 | 1401.00000 |
| .898 | 14.090 | .04000 | -10.07000 | 4.95000 | 2.53800 | -5.13000 | -15.02000 | -.21800 | -.22200 | 1401.00000 |
| .896 | 16.080 | .05000 | -10.08000 | 4.96000 | 2.39400 | -5.13000 | -15.04000 | -.24500 | -.25300 | 1401.00000 |
| .898 | 18.070 | .08000 | -10.07000 | 4.95000 | 2.25200 | -5.12000 | -15.01000 | -.27700 | -.27400 | 1401.00000 |
| .898 | 20.090 | .10000 | -10.06000 | 4.99000 | 2.10100 | -5.07000 | -15.05000 | -.31500 | -.31400 | 1401.00000 |
| | GRADIENT | .00527 | -.00760 | .00139 | .59968 | -.00621 | -.00994 | .00255 | .00351 | -.00001 |

RUN NO. 193/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.890 | -.03000 | -10.03000 | 5.00000 | -2.56700 | -5.02000 | -15.03000 | -.21800 | -.22200 | 1457.00000 |
| .947 | .080 | -.03000 | -10.02000 | 4.99000 | -1.81700 | -5.03000 | -15.00000 | -.21600 | -.21400 | 1457.00000 |
| .947 | 2.130 | -.02000 | -10.04000 | 5.00000 | -.66800 | -5.03000 | -15.04000 | -.20300 | -.20000 | 1457.00000 |
| .947 | 3.080 | -.02000 | -10.02000 | 4.98000 | -.08100 | -5.04000 | -15.00000 | -.19700 | -.20200 | 1457.00000 |
| .947 | 4.110 | -.01000 | -10.02000 | 4.99000 | .53500 | -5.03000 | -15.01000 | -.20800 | -.19900 | 1457.00000 |
| .949 | 5.120 | -.01000 | -10.05000 | 5.01000 | 1.10600 | -5.04000 | -15.05000 | -.20700 | -.20200 | 1457.00000 |
| .949 | 6.120 | .00000 | -10.03000 | 4.99000 | 1.56900 | -5.05000 | -15.02000 | -.19500 | -.19200 | 1457.00000 |
| .945 | 7.160 | .01000 | -10.04000 | 5.00000 | 1.94400 | -5.04000 | -15.04000 | -.19400 | -.20300 | 1457.00000 |
| .950 | 8.120 | .03000 | -10.04000 | 4.99000 | 2.16500 | -5.05000 | -15.04000 | -.21100 | -.20200 | 1457.00000 |
| .947 | 9.160 | .01000 | -10.06000 | 5.00000 | 2.34800 | -5.06000 | -15.06000 | -.20000 | -.20800 | 1457.00000 |
| .948 | 10.110 | .03000 | -10.06000 | 5.00000 | 2.45900 | -5.06000 | -15.05000 | -.22900 | -.22800 | 1457.00000 |
| .948 | 12.210 | .05000 | -10.06000 | 4.99000 | 2.51600 | -5.06000 | -15.05000 | -.24800 | -.24600 | 1457.00000 |
| .951 | 14.160 | .05000 | -10.05000 | 4.99000 | 2.43800 | -5.07000 | -15.04000 | -.28500 | -.27900 | 1457.00000 |
| .949 | 16.130 | .07000 | -10.08000 | 5.02000 | 2.32600 | -5.06000 | -15.10000 | -.29900 | -.30100 | 1457.00000 |
| .949 | 18.090 | .04000 | -10.06000 | 5.00000 | 2.21300 | -5.06000 | -15.06000 | -.32900 | -.32500 | 1457.00000 |
| .949 | 20.070 | .07000 | -10.03000 | 5.00000 | 2.08000 | -5.03000 | -15.04000 | -.36300 | -.36700 | 1457.00000 |
| | GRADIENT | .00370 | .00092 | -.00187 | .52292 | -.00214 | .00218 | .00283 | .00405 | .00000 |

ARC 200-1 11(LA77) OV101 (A28116) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = .000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 180/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -1.910 | -.06000 | -10.06000 | 5.01000 | -1.83900 | -5.04000 | -15.07000 | -.35700 | -.35800 | 1562.00000 |
| 1.049 | .120 | -.05000 | -10.04000 | 4.99000 | -1.10100 | -5.05000 | -15.03000 | -.35100 | -.34900 | 1562.00000 |
| 1.047 | 2.150 | -.03000 | -10.09000 | 5.04000 | -.20700 | -5.05000 | -15.13000 | -.34900 | -.35100 | 1562.00000 |
| 1.046 | 3.120 | -.03000 | -10.10000 | 5.05000 | .21400 | -5.05000 | -15.15000 | -.34900 | -.34800 | 1562.00000 |
| 1.048 | 4.150 | -.03000 | -10.10000 | 5.04000 | .63800 | -5.06000 | -15.14000 | -.34700 | -.35100 | 1562.00000 |
| 1.048 | 5.200 | -.02000 | -10.10000 | 5.01000 | 1.02400 | -5.08000 | -15.11000 | -.34600 | -.35100 | 1562.00000 |
| 1.046 | 6.230 | -.01000 | -10.15000 | 5.06000 | 1.33300 | -5.09000 | -15.21000 | -.34700 | -.34900 | 1562.00000 |
| 1.047 | 7.200 | -.01000 | -9.99000 | 5.05000 | 1.57200 | -4.94000 | -15.04000 | -.34800 | -.34800 | 1562.00000 |
| 1.047 | 8.120 | .01000 | -10.10000 | 4.97000 | 1.73100 | -5.13000 | -15.06000 | -.35500 | -.35600 | 1562.00000 |
| 1.047 | 9.070 | -.02000 | -10.11000 | 5.02000 | 1.87600 | -5.10000 | -15.13000 | -.35800 | -.35800 | 1562.00000 |
| 1.048 | 10.250 | .00000 | -10.12000 | 5.04000 | 2.01800 | -5.08000 | -15.17000 | -.36500 | -.36400 | 1562.00000 |
| 1.047 | 12.200 | .01000 | -10.02000 | 5.09000 | 2.13200 | -4.94000 | -15.11000 | -.38300 | -.38100 | 1562.00000 |
| 1.047 | 14.210 | .02000 | -10.05000 | 5.00000 | 2.12600 | -5.06000 | -15.05000 | -.41500 | -.41500 | 1562.00000 |
| 1.047 | 16.180 | .03000 | -10.10000 | 4.96000 | 2.07500 | -5.14000 | -15.05000 | -.43600 | -.43600 | 1562.00000 |
| 1.047 | 18.170 | .05000 | -9.98000 | 5.02000 | 2.02100 | -4.97000 | -15.00000 | -.46500 | -.46800 | 1562.00000 |
| 1.048 | 20.040 | .09000 | -10.05000 | 4.96000 | 1.94800 | -5.09000 | -15.01000 | -.49300 | -.49200 | 1562.00000 |
| | GRADIENT | .00556 | -.00913 | .00802 | .41328 | -.00257 | -.01716 | .00151 | .00110 | -.00001 |

ARC 200-1 11(LA77) OV101 (A2B117) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 221/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .595 | -1.980 | -.02000 | -.05000 | -.06000 | -2.03500 | -.11000 | .01000 | -.20400 | -.19900 | 869.20000 |
| .596 | -.030 | -.03000 | -.05000 | -.05000 | -.62100 | -.10000 | .01000 | -.19900 | -.20000 | 869.20000 |
| .595 | 2.000 | -.03000 | -.04000 | -.05000 | .94700 | -.09000 | .01000 | -.19300 | -.19400 | 869.20000 |
| .595 | 4.030 | -.03000 | -.04000 | -.06000 | 2.56400 | -.10000 | .01000 | -.19600 | -.19700 | 869.20000 |
| .596 | 6.060 | -.03000 | -.03000 | -.04000 | 3.79900 | -.07000 | .02000 | -.19700 | -.19200 | 869.20000 |
| .595 | 8.040 | -.02000 | -.03000 | -.04000 | 4.57500 | -.07000 | .01000 | -.18900 | -.19700 | 869.20000 |
| .596 | 9.980 | -.02000 | -.03000 | -.04000 | 4.86700 | -.07000 | .02000 | -.19400 | -.19300 | 869.20000 |
| .595 | 11.020 | -.02000 | -.01000 | -.06000 | 4.85200 | -.07000 | .05000 | -.19800 | -.19600 | 869.20000 |
| .595 | 11.980 | -.02000 | -.02000 | -.05000 | 4.73900 | -.06000 | .03000 | -.19900 | -.19800 | 869.20000 |
| .596 | 13.030 | -.02000 | -.03000 | -.03000 | 4.44200 | -.07000 | .00000 | -.20000 | -.20500 | 869.20000 |
| .596 | 14.000 | -.02000 | -.03000 | -.04000 | 4.07100 | -.07000 | .01000 | -.20600 | -.20500 | 869.20000 |
| .597 | 15.020 | -.02000 | -.03000 | -.05000 | 3.72300 | -.07000 | .02000 | -.21700 | -.21400 | 869.20000 |
| .596 | 16.030 | -.02000 | -.03000 | -.04000 | 3.45400 | -.07000 | .01000 | -.22300 | -.22700 | 869.20000 |
| .596 | 18.090 | .00000 | -.01000 | -.07000 | 2.97000 | -.07000 | .06000 | -.25200 | -.25000 | 869.20000 |
| .597 | 19.970 | .02000 | -.01000 | -.07000 | 2.65400 | -.07000 | .06000 | -.28100 | -.27500 | 869.20000 |
| | GRADIENT | -.00148 | .00200 | -.00002 | .76610 | .00198 | .00000 | .00149 | .00060 | .00000 |

RUN NO. 203/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.203 | -1.850 | -.05000 | .01000 | -.01000 | -.77800 | .01000 | .02000 | -.36100 | -.36000 | 1403.00000 |
| 1.203 | .000 | -.04000 | -.03000 | -.01000 | -.04800 | -.04000 | -.02000 | -.35600 | -.35300 | 1403.00000 |
| 1.201 | 1.950 | -.04000 | -.03000 | -.03000 | .69200 | -.06000 | .00000 | -.35000 | -.34700 | 1403.00000 |
| 1.202 | 3.900 | -.04000 | -.04000 | -.04000 | 1.31600 | -.08000 | .00000 | -.33400 | -.33500 | 1403.00000 |
| 1.200 | 5.850 | -.04000 | -.12000 | -.11000 | 1.79500 | -.23000 | -.01000 | -.33800 | -.33700 | 1403.00000 |
| 1.201 | 7.970 | -.03000 | -.03000 | -.01000 | 2.12200 | -.04000 | -.02000 | -.34500 | -.34300 | 1403.00000 |
| 1.202 | 9.930 | -.02000 | -.03000 | .00000 | 2.28200 | -.03000 | -.03000 | -.35300 | -.35500 | 1403.00000 |
| 1.200 | 10.920 | -.02000 | -.01000 | -.03000 | 2.32400 | -.04000 | .02000 | -.35200 | -.35500 | 1403.00000 |
| 1.202 | 11.990 | -.02000 | -.03000 | -.01000 | 2.33000 | -.04000 | -.02000 | -.36100 | -.35900 | 1403.00000 |
| 1.201 | 12.980 | -.02000 | -.01000 | -.02000 | 2.31000 | -.04000 | .01000 | -.37200 | -.36900 | 1403.00000 |
| 1.201 | 13.940 | -.02000 | .00000 | .00000 | 2.27700 | .00000 | .00000 | -.38300 | -.39200 | 1403.00000 |
| 1.201 | 14.940 | -.02000 | -.03000 | -.02000 | 2.23300 | -.06000 | -.01000 | -.39300 | -.39300 | 1403.00000 |
| 1.200 | 15.950 | -.02000 | -.01000 | .00000 | 2.18300 | .00000 | -.01000 | -.40700 | -.40600 | 1403.00000 |
| 1.201 | 17.910 | -.02000 | .00000 | .00000 | 2.08200 | .00000 | .00000 | -.42600 | -.42600 | 1403.00000 |
| 1.199 | 19.980 | .00000 | -.03000 | -.03000 | 1.96300 | -.05000 | .00000 | -.44800 | -.44800 | 1403.00000 |
| | GRADIENT | .00155 | -.00776 | -.00575 | .36556 | -.01505 | -.00201 | .00454 | .00422 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B118) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 222/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.940 | -.03000 | -9.93000 | .02000 | -4.00600 | -9.91000 | -9.95000 | -.18600 | -.18100 | 870.80000 |
| .597 | -.150 | -.03000 | -9.93000 | .01000 | -3.25300 | -9.91000 | -9.94000 | -.19300 | -.18000 | 870.80000 |
| .596 | 2.010 | -.02000 | -9.93000 | .01000 | -2.06300 | -9.92000 | -9.94000 | -.18200 | -.18100 | 870.80000 |
| .597 | 3.920 | -.03000 | -9.93000 | .01000 | -.61000 | -9.92000 | -9.94000 | -.18600 | -.17700 | 870.80000 |
| .596 | 6.020 | -.03000 | -9.94000 | .00000 | 1.20100 | -9.94000 | -9.94000 | -.18600 | -.18600 | 870.80000 |
| .595 | 7.950 | -.02000 | -9.94000 | .00000 | 2.68100 | -9.94000 | -9.93000 | -.19200 | -.19000 | 870.80000 |
| .596 | 10.000 | -.02000 | -9.94000 | -.01000 | 3.73300 | -9.94000 | -9.93000 | -.19900 | -.19500 | 870.80000 |
| .596 | 11.080 | -.02000 | -9.94000 | -.01000 | 4.02800 | -9.95000 | -9.93000 | -.19400 | -.19300 | 870.80000 |
| .596 | 11.970 | -.02000 | -9.94000 | -.01000 | 4.15700 | -9.94000 | -9.93000 | -.19200 | -.18800 | 870.80000 |
| .596 | 13.030 | -.02000 | -9.94000 | .00000 | 4.17300 | -9.94000 | -9.94000 | -.19000 | -.19600 | 870.80000 |
| .596 | 14.010 | -.02000 | -9.95000 | .01000 | 3.91900 | -9.95000 | -9.96000 | -.20000 | -.20200 | 870.80000 |
| .597 | 15.050 | -.02000 | -9.96000 | .02000 | 3.61500 | -9.94000 | -9.98000 | -.20300 | -.20600 | 870.80000 |
| .599 | 16.040 | -.02000 | -9.95000 | .00000 | 3.37300 | -9.95000 | -9.95000 | -.21100 | -.21100 | 870.80000 |
| .599 | 18.020 | .00000 | -9.98000 | .04000 | 2.96400 | -9.95000 | -10.02000 | -.22600 | -.22600 | 870.80000 |
| .598 | 20.000 | .02000 | -9.96000 | .01000 | 2.63000 | -9.95000 | -9.97000 | -.25600 | -.24800 | 870.80000 |
| | GRADIENT | .00054 | -.00000 | -.00149 | .57707 | -.00206 | .00149 | .00004 | .00055 | .00000 |

RUN NO. 204/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.930 | -.05000 | -9.91000 | -.01000 | -1.31600 | -9.93000 | -9.90000 | -.38600 | -.38700 | 1440.00000 |
| 1.200 | -.060 | -.04000 | -9.91000 | -.02000 | -.66800 | -9.93000 | -9.88000 | -.38000 | -.37900 | 1440.00000 |
| 1.199 | 1.900 | -.03000 | -9.93000 | -.01000 | .06100 | -9.94000 | -9.92000 | -.37200 | -.37300 | 1440.00000 |
| 1.199 | 4.010 | -.04000 | -9.92000 | -.01000 | .76300 | -9.93000 | -9.91000 | -.37700 | -.37700 | 1440.00000 |
| 1.199 | 5.950 | -.04000 | -9.93000 | -.01000 | 1.30700 | -9.94000 | -9.92000 | -.38100 | -.38200 | 1440.00000 |
| 1.199 | 7.960 | -.04000 | -9.96000 | .00000 | 1.70800 | -9.95000 | -9.96000 | -.38200 | -.38400 | 1440.00000 |
| 1.199 | 9.980 | -.02000 | -9.95000 | .00000 | 1.96600 | -9.95000 | -9.95000 | -.38500 | -.38500 | 1440.00000 |
| 1.200 | 11.010 | -.02000 | -9.94000 | .00000 | 2.05600 | -9.94000 | -9.95000 | -.38800 | -.38600 | 1440.00000 |
| 1.200 | 11.990 | -.02000 | -9.94000 | .00000 | 2.11300 | -9.94000 | -9.95000 | -.38100 | -.38200 | 1440.00000 |
| 1.199 | 12.990 | -.02000 | -9.94000 | .00000 | 2.12800 | -9.93000 | -9.94000 | -.39400 | -.39600 | 1440.00000 |
| 1.200 | 13.970 | -.02000 | -9.96000 | .03000 | 2.13300 | -9.93000 | -9.98000 | -.39800 | -.39900 | 1440.00000 |
| 1.199 | 14.970 | -.02000 | -9.93000 | .01000 | 2.12100 | -9.93000 | -9.94000 | -.39500 | -.39200 | 1440.00000 |
| 1.201 | 15.940 | -.02000 | -9.96000 | .03000 | 2.10400 | -9.93000 | -9.99000 | -.39800 | -.39800 | 1440.00000 |
| 1.198 | 17.920 | -.02000 | -9.94000 | .02000 | 2.03500 | -9.92000 | -9.96000 | -.41600 | -.41600 | 1440.00000 |
| 1.199 | 19.940 | .00000 | -9.96000 | .04000 | 1.94100 | -9.92000 | -10.00000 | -.42900 | -.42900 | 1440.00000 |
| | GRADIENT | .00196 | -.00249 | .00053 | .35206 | -.00047 | -.00355 | .00173 | .00178 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B119) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 223/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.810 | 4.09000 | -.02000 | -.03000 | -1.91400 | -.06000 | .01000 | -.22800 | -.22800 | 866.20000 |
| .598 | .010 | 4.11000 | -.02000 | -.03000 | -.55700 | -.06000 | .01000 | -.22700 | -.22600 | 866.20000 |
| .598 | 2.090 | 4.09000 | -.02000 | -.03000 | 1.10100 | -.05000 | .01000 | -.22400 | -.22200 | 866.20000 |
| .599 | 4.010 | 4.11000 | -.02000 | -.04000 | 2.57300 | -.06000 | .02000 | -.21800 | -.21800 | 866.20000 |
| .598 | 5.960 | 4.13000 | -.02000 | -.04000 | 3.74600 | -.06000 | .02000 | -.21600 | -.21300 | 866.20000 |
| .598 | 7.990 | 4.17000 | -.04000 | -.05000 | 4.56000 | -.09000 | .01000 | -.21700 | -.22100 | 866.20000 |
| .598 | 10.030 | 4.18000 | -.05000 | -.03000 | 4.85000 | -.09000 | -.02000 | -.22600 | -.22000 | 866.20000 |
| .598 | 11.060 | 4.19000 | -.02000 | -.06000 | 4.83100 | -.09000 | .04000 | -.22000 | -.22200 | 866.20000 |
| .598 | 12.050 | 4.20000 | -.02000 | -.06000 | 4.71300 | -.09000 | .04000 | -.22000 | -.22200 | 866.20000 |
| .599 | 13.120 | 4.20000 | -.03000 | -.06000 | 4.48100 | -.09000 | .03000 | -.22700 | -.22900 | 866.20000 |
| .598 | 14.030 | 4.20000 | -.04000 | -.05000 | 4.01900 | -.09000 | .00000 | -.22900 | -.23500 | 866.20000 |
| .598 | 15.040 | 4.21000 | -.04000 | -.05000 | 3.68800 | -.09000 | .01000 | -.24100 | -.24400 | 866.20000 |
| .599 | 16.010 | 4.21000 | -.04000 | -.05000 | 3.42000 | -.09000 | .01000 | -.24500 | -.24100 | 866.20000 |
| .599 | 18.020 | 4.22000 | -.04000 | -.04000 | 3.04300 | -.09000 | .00000 | -.26000 | -.26200 | 866.20000 |
| .599 | 19.980 | 4.23000 | -.05000 | -.04000 | 2.68500 | -.09000 | -.01000 | -.30100 | -.30100 | 866.20000 |
| | GRADIENT | .00196 | -.00000 | -.00154 | .77397 | .00053 | .00154 | .00169 | .00174 | .00000 |

RUN NO. 205/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.950 | 4.14000 | .04000 | -.03000 | -.84900 | .00000 | .07000 | -.38400 | -.38300 | 1439.00000 |
| 1.201 | .030 | 4.17000 | .02000 | -.03000 | -.09000 | -.02000 | .05000 | -.37000 | -.37100 | 1439.00000 |
| 1.200 | 2.010 | 4.16000 | -.02000 | -.03000 | .66200 | -.05000 | .01000 | -.36800 | -.36700 | 1439.00000 |
| 1.200 | 4.000 | 4.17000 | .00000 | -.03000 | 1.31100 | -.03000 | .03000 | -.36500 | -.36600 | 1439.00000 |
| 1.199 | 5.960 | 4.18000 | -.02000 | -.02000 | 1.78400 | -.04000 | .00000 | -.37500 | -.37400 | 1439.00000 |
| 1.201 | 7.970 | 4.21000 | -.03000 | -.03000 | 2.09600 | -.06000 | .00000 | -.38200 | -.38400 | 1439.00000 |
| 1.199 | 9.980 | 4.22000 | -.02000 | -.03000 | 2.24700 | -.06000 | .01000 | -.39500 | -.39500 | 1439.00000 |
| 1.198 | 11.030 | 4.26000 | -.02000 | -.04000 | 2.27700 | -.06000 | .02000 | -.40100 | -.40300 | 1439.00000 |
| 1.199 | 12.020 | 4.27000 | -.03000 | -.04000 | 2.28800 | -.07000 | .01000 | -.41100 | -.41000 | 1439.00000 |
| 1.201 | 13.040 | 4.28000 | .00000 | -.01000 | 2.28000 | -.01000 | .02000 | -.42000 | -.42100 | 1439.00000 |
| 1.200 | 14.010 | 4.29000 | -.03000 | -.05000 | 2.25800 | -.08000 | .02000 | -.42700 | -.42300 | 1439.00000 |
| 1.199 | 15.020 | 4.30000 | -.03000 | -.05000 | 2.21800 | -.09000 | .02000 | -.44100 | -.44100 | 1439.00000 |
| 1.200 | 16.030 | 4.31000 | -.03000 | -.04000 | 2.17200 | -.07000 | .01000 | -.45200 | -.44900 | 1439.00000 |
| 1.199 | 17.990 | 4.34000 | -.01000 | -.08000 | 2.07900 | -.08000 | .07000 | -.44900 | -.44700 | 1439.00000 |
| 1.199 | 19.990 | 4.36000 | -.01000 | -.07000 | 1.97000 | -.09000 | .06000 | -.45900 | -.45700 | 1439.00000 |
| | GRADIENT | .00403 | -.00806 | -.00000 | .36468 | -.00604 | -.00806 | .00297 | .00277 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B120) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 224/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -6.100 | 9.29000 | -.01000 | -.06000 | 4.97000 | -.08000 | .05000 | -.22700 | -.22200 | 863.70000 |
| .598 | -4.080 | 9.28000 | -.01000 | -.06000 | 4.96000 | -.07000 | .04000 | -.19400 | -.19400 | 863.70000 |
| .598 | -3.060 | 9.26000 | -.02000 | -.06000 | 4.92700 | -.07000 | .04000 | -.19400 | -.19500 | 863.70000 |
| .599 | -2.040 | 9.25000 | -.01000 | -.06000 | 4.88000 | -.07000 | .05000 | -.18800 | -.19100 | 863.70000 |
| .598 | -1.020 | 9.23000 | -.02000 | -.06000 | 4.85200 | -.07000 | .04000 | -.19500 | -.19000 | 863.70000 |
| .599 | -.010 | 9.22000 | -.01000 | -.06000 | 4.80300 | -.08000 | .05000 | -.19400 | -.19300 | 863.70000 |
| .598 | .980 | 9.27000 | -.02000 | -.06000 | 4.80800 | -.08000 | .04000 | -.19800 | -.19600 | 863.70000 |
| .599 | 2.030 | 9.99000 | -.03000 | -.06000 | 4.83100 | -.09000 | .03000 | -.19900 | -.20000 | 863.70000 |
| .598 | 3.070 | 9.99000 | -.01000 | -.05000 | 4.81200 | -.06000 | .04000 | -.21600 | -.21200 | 863.70000 |
| .599 | 4.110 | 9.98000 | -.01000 | -.05000 | 4.82200 | -.06000 | .04000 | -.22000 | -.21500 | 863.70000 |
| .598 | 6.170 | 9.96000 | -.01000 | -.06000 | 4.85800 | -.07000 | .05000 | -.22500 | -.22600 | 863.70000 |
| .598 | 8.240 | 9.98000 | -.01000 | -.06000 | 4.93000 | -.07000 | .05000 | -.24400 | -.24300 | 863.70000 |
| | GRADIENT | .10648 | -.00016 | .00115 | -.01691 | .00034 | -.00065 | -.00319 | -.00260 | .00000 |

RUN NO. 206/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.201 | -6.200 | 10.06000 | -.03000 | -.01000 | 2.29600 | -.04000 | -.01000 | -.38400 | -.38400 | 1456.00000 |
| 1.199 | -4.160 | 10.03000 | -.02000 | -.02000 | 2.30000 | -.04000 | .00000 | -.36900 | -.37100 | 1456.00000 |
| 1.198 | -3.120 | 10.00000 | -.02000 | -.02000 | 2.29900 | -.04000 | .00000 | -.36100 | -.36300 | 1456.00000 |
| 1.198 | -2.080 | 9.97000 | -.02000 | -.03000 | 2.30000 | -.05000 | .01000 | -.35400 | -.35500 | 1456.00000 |
| 1.197 | -1.040 | 9.96000 | -.01000 | -.05000 | 2.30500 | -.05000 | .04000 | -.35600 | -.35400 | 1456.00000 |
| 1.198 | -.040 | 9.92000 | -.03000 | -.03000 | 2.29300 | -.06000 | -.01000 | -.35200 | -.34900 | 1456.00000 |
| 1.199 | .970 | 9.98000 | -.04000 | -.03000 | 2.28400 | -.06000 | -.01000 | -.35800 | -.35600 | 1456.00000 |
| 1.199 | 2.050 | 10.01000 | -.04000 | -.03000 | 2.27800 | -.06000 | -.01000 | -.36800 | -.36900 | 1456.00000 |
| 1.200 | 3.090 | 10.01000 | -.03000 | -.03000 | 2.26400 | -.06000 | -.01000 | -.38200 | -.38200 | 1456.00000 |
| 1.199 | 4.170 | 10.00000 | -.03000 | -.03000 | 2.24300 | -.06000 | .00000 | -.39500 | -.39400 | 1456.00000 |
| 1.199 | 6.280 | 9.98000 | -.05000 | -.05000 | 2.22700 | -.10000 | .00000 | -.40000 | -.39900 | 1456.00000 |
| 1.200 | 8.380 | 10.00000 | -.07000 | -.07000 | 2.22100 | -.13000 | .00000 | -.41300 | -.40800 | 1456.00000 |
| | GRADIENT | .00019 | -.00223 | -.00081 | -.00641 | -.00272 | -.00190 | -.00319 | -.00290 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B121) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 217/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -1.980 | -.03000 | -.03000 | -.04000 | -1.78500 | -.07000 | .01000 | -.21400 | -.21900 | 1400.00000 |
| .899 | -.020 | -.03000 | -.03000 | -.03000 | -.39700 | -.06000 | .00000 | -.20500 | -.20900 | 1400.00000 |
| .899 | 1.970 | -.02000 | -.01000 | -.02000 | 1.02500 | -.04000 | .01000 | -.20500 | -.20700 | 1400.00000 |
| .900 | 2.930 | -.02000 | -.04000 | .01000 | 1.62400 | -.03000 | -.04000 | -.20400 | -.20500 | 1400.00000 |
| .900 | 3.950 | -.03000 | -.07000 | .00000 | 2.11800 | -.07000 | -.07000 | -.20400 | -.20000 | 1400.00000 |
| .900 | 4.950 | -.03000 | -.05000 | -.01000 | 2.48200 | -.06000 | -.04000 | -.19900 | -.20000 | 1400.00000 |
| .899 | 5.900 | -.03000 | -.05000 | .00000 | 2.75300 | -.05000 | -.05000 | -.20500 | -.20400 | 1400.00000 |
| .899 | 6.850 | -.03000 | -.05000 | .01000 | 2.94100 | -.04000 | -.06000 | -.20200 | -.20700 | 1400.00000 |
| .899 | 7.780 | -.04000 | -.05000 | .00000 | 3.04600 | -.05000 | -.05000 | -.19600 | -.20000 | 1400.00000 |
| .900 | 8.990 | .00000 | -.05000 | -.03000 | 3.12200 | -.07000 | -.02000 | -.21500 | -.20500 | 1400.00000 |
| .900 | 9.750 | -.02000 | -.04000 | -.03000 | 3.12400 | -.07000 | -.01000 | -.21200 | -.21700 | 1400.00000 |
| .900 | 11.970 | -.02000 | .00000 | -.04000 | 2.96200 | -.04000 | .04000 | -.23100 | -.23500 | 1400.00000 |
| .901 | 13.990 | -.01000 | -.05000 | -.02000 | 2.75000 | -.07000 | -.03000 | -.25200 | -.25500 | 1400.00000 |
| .898 | 16.010 | -.01000 | -.05000 | -.04000 | 2.56100 | -.09000 | -.01000 | -.28700 | -.28300 | 1400.00000 |
| .900 | 17.980 | .00000 | -.04000 | -.04000 | 2.38900 | -.07000 | .00000 | -.32400 | -.32500 | 1400.00000 |
| .900 | 19.920 | .02000 | -.04000 | -.04000 | 2.20700 | -.09000 | .00000 | -.35500 | -.36100 | 1400.00000 |
| | GRADIENT | .00029 | -.00446 | .00592 | .63112 | .00146 | -.01010 | .00169 | .00264 | -.00000 |

RUN NO. 211/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -2.000 | -.03000 | -.01000 | -.03000 | -1.54200 | -.05000 | .02000 | -.25400 | -.25200 | 1466.00000 |
| .948 | -.020 | -.03000 | -.01000 | -.03000 | -.39400 | -.04000 | .03000 | -.24100 | -.23800 | 1466.00000 |
| .948 | 1.980 | -.03000 | -.02000 | -.04000 | .79200 | -.06000 | .02000 | -.23500 | -.22700 | 1466.00000 |
| .951 | 2.950 | -.03000 | -.02000 | -.04000 | 1.33500 | -.06000 | .02000 | -.23600 | -.23500 | 1466.00000 |
| .949 | 3.980 | -.03000 | -.02000 | -.04000 | 1.85200 | -.06000 | .03000 | -.23500 | -.23900 | 1466.00000 |
| .949 | 4.960 | -.03000 | -.03000 | -.05000 | 2.23600 | -.08000 | .02000 | -.23700 | -.24100 | 1466.00000 |
| .952 | 5.970 | -.03000 | -.04000 | -.04000 | 2.52400 | -.09000 | .00000 | -.24400 | -.24100 | 1466.00000 |
| .950 | 6.940 | -.03000 | -.02000 | -.05000 | 2.72500 | -.06000 | .03000 | -.24100 | -.24400 | 1466.00000 |
| .950 | 7.880 | -.03000 | -.03000 | -.04000 | 2.84900 | -.07000 | .01000 | -.24400 | -.24000 | 1466.00000 |
| .951 | 8.870 | .01000 | .00000 | -.06000 | 2.89400 | -.06000 | .05000 | -.24700 | -.24300 | 1466.00000 |
| .951 | 9.860 | -.01000 | -.03000 | -.04000 | 2.93900 | -.07000 | .02000 | -.25700 | -.25800 | 1466.00000 |
| .950 | 11.880 | .00000 | -.02000 | -.02000 | 2.81600 | -.04000 | .00000 | -.26200 | -.26700 | 1466.00000 |
| .948 | 13.840 | .01000 | -.06000 | -.02000 | 2.64700 | -.09000 | -.04000 | -.29600 | -.29600 | 1466.00000 |
| .949 | 15.800 | .02000 | -.05000 | -.02000 | 2.46900 | -.07000 | -.02000 | -.32200 | -.32500 | 1466.00000 |
| .950 | 17.770 | .04000 | -.06000 | -.02000 | 2.31600 | -.08000 | -.04000 | -.35600 | -.36000 | 1466.00000 |
| .949 | 19.950 | .00000 | -.03000 | -.03000 | 2.14800 | -.07000 | .00000 | -.40200 | -.40200 | 1466.00000 |
| | GRADIENT | -.00000 | -.00266 | -.00266 | .55282 | -.00414 | .00000 | .00239 | .00142 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B121) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 207/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.930 | -.05000 | -.02000 | -.01000 | -1.11000 | -.03000 | -.01000 | -.37000 | -.37100 | 1556.00000 |
| 1.047 | .000 | -.03000 | -.01000 | -.01000 | -.26900 | -.02000 | .00000 | -.35100 | -.35100 | 1556.00000 |
| 1.045 | 2.020 | -.03000 | .00000 | -.02000 | .64300 | -.01000 | .02000 | -.34800 | -.34800 | 1556.00000 |
| 1.046 | 3.000 | -.03000 | .00000 | -.02000 | 1.05000 | -.03000 | .02000 | -.34900 | -.34900 | 1556.00000 |
| 1.047 | 4.020 | -.03000 | -.02000 | -.04000 | 1.40000 | -.05000 | .02000 | -.35400 | -.35100 | 1556.00000 |
| 1.046 | 5.010 | -.03000 | -.02000 | -.05000 | 1.69500 | -.07000 | .03000 | -.35600 | -.35700 | 1556.00000 |
| 1.047 | 6.010 | -.03000 | -.03000 | -.04000 | 1.92200 | -.07000 | .01000 | -.35700 | -.35600 | 1556.00000 |
| 1.048 | 6.980 | -.03000 | -.04000 | -.05000 | 2.08900 | -.09000 | .01000 | -.35500 | -.35500 | 1556.00000 |
| 1.048 | 7.930 | -.04000 | -.03000 | -.03000 | 2.21700 | -.06000 | .01000 | -.35900 | -.35900 | 1556.00000 |
| 1.047 | 8.940 | .00000 | .01000 | -.02000 | 2.31000 | -.01000 | .03000 | -.36500 | -.36500 | 1556.00000 |
| 1.046 | 9.940 | -.02000 | -.02000 | .01000 | 2.36200 | -.01000 | -.04000 | -.37000 | -.37100 | 1556.00000 |
| 1.045 | 11.960 | -.03000 | .00000 | -.01000 | 2.37300 | -.01000 | .01000 | -.38800 | -.38700 | 1556.00000 |
| 1.049 | 14.000 | -.02000 | -.01000 | -.01000 | 2.30600 | -.02000 | .00000 | -.40600 | -.40600 | 1556.00000 |
| 1.047 | 15.970 | -.02000 | .00000 | -.01000 | 2.20500 | -.01000 | .01000 | -.43700 | -.43700 | 1556.00000 |
| 1.047 | 18.000 | -.02000 | -.01000 | -.03000 | 2.11900 | -.04000 | .02000 | -.47700 | -.47600 | 1556.00000 |
| 1.048 | 19.970 | .00000 | .07000 | -.07000 | 2.00600 | .00000 | .15000 | -.50600 | -.50600 | 1556.00000 |
| | GRADIENT | .00293 | .00128 | -.00436 | .42799 | -.00237 | .00564 | .00266 | .00315 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B122) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 218/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.950 | -.05000 | -9.93000 | .01000 | -3.03000 | -9.92000 | -9.94000 | -.20200 | -.20200 | 1403.00000 |
| .899 | .000 | -.03000 | -9.91000 | -.01000 | -2.15300 | -9.93000 | -9.90000 | -.19500 | -.19800 | 1403.00000 |
| .900 | 2.000 | -.03000 | -9.96000 | .04000 | -.94200 | -9.93000 | -10.00000 | -.19500 | -.20000 | 1403.00000 |
| .899 | 2.980 | -.03000 | -9.92000 | -.01000 | -.24300 | -9.93000 | -9.90000 | -.19200 | -.19700 | 1403.00000 |
| .900 | 3.990 | -.03000 | -9.92000 | -.01000 | .48400 | -9.93000 | -9.91000 | -.19400 | -.19500 | 1403.00000 |
| .900 | 4.990 | -.03000 | -9.95000 | .02000 | 1.16300 | -9.93000 | -9.98000 | -.19400 | -.19300 | 1403.00000 |
| .900 | 5.980 | -.03000 | -9.94000 | .00000 | 1.71500 | -9.94000 | -9.93000 | -.19400 | -.19100 | 1403.00000 |
| .899 | 6.930 | -.03000 | -9.94000 | .00000 | 2.05800 | -9.94000 | -9.94000 | -.19100 | -.19500 | 1403.00000 |
| .898 | 7.950 | -.04000 | -9.98000 | .03000 | 2.30200 | -9.94000 | -10.01000 | -.18700 | -.19100 | 1403.00000 |
| .903 | 8.960 | -.02000 | -9.92000 | -.02000 | 2.39800 | -9.94000 | -9.90000 | -.19800 | -.19700 | 1403.00000 |
| .902 | 9.960 | -.02000 | -9.94000 | .01000 | 2.51600 | -9.93000 | -9.95000 | -.20200 | -.19900 | 1403.00000 |
| .900 | 11.980 | -.02000 | -9.95000 | .02000 | 2.56300 | -9.93000 | -9.97000 | -.20800 | -.20700 | 1403.00000 |
| .899 | 13.960 | -.01000 | -9.97000 | .03000 | 2.47900 | -9.94000 | -10.00000 | -.22500 | -.22500 | 1403.00000 |
| .901 | 15.980 | .00000 | -9.97000 | .03000 | 2.35900 | -9.94000 | -10.01000 | -.24900 | -.25300 | 1403.00000 |
| .900 | 17.980 | .00000 | -9.98000 | .04000 | 2.23000 | -9.94000 | -10.01000 | -.28700 | -.29300 | 1403.00000 |
| .899 | 19.950 | .02000 | -9.97000 | .03000 | 2.08600 | -9.94000 | -10.00000 | -.32700 | -.33400 | 1403.00000 |
| | GRADIENT | .00236 | -.00209 | .00031 | .61216 | -.00118 | -.00301 | .00106 | .00113 | -.00000 |

RUN NO. 212/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.980 | -.03000 | -9.93000 | .04000 | -2.71000 | -9.89000 | -9.98000 | -.22500 | -.23200 | 1465.00000 |
| .948 | .030 | -.04000 | -9.97000 | .03000 | -1.91200 | -9.94000 | -10.00000 | -.21400 | -.22300 | 1465.00000 |
| .948 | 1.860 | -.03000 | -9.99000 | .04000 | -.86500 | -9.95000 | -10.03000 | -.20600 | -.20700 | 1465.00000 |
| .951 | 2.840 | -.03000 | -9.94000 | .10000 | -.24400 | -9.84000 | -10.05000 | -.21400 | -.20800 | 1465.00000 |
| .951 | 3.870 | -.03000 | -9.94000 | .09000 | .38100 | -9.84000 | -10.03000 | -.22300 | -.21600 | 1465.00000 |
| .950 | 4.870 | -.03000 | -9.91000 | -.01000 | .98200 | -9.92000 | -9.90000 | -.20800 | -.20700 | 1465.00000 |
| .949 | 5.880 | -.03000 | -9.98000 | -.01000 | 1.45300 | -9.99000 | -9.96000 | -.21600 | -.21300 | 1465.00000 |
| .950 | 6.850 | -.04000 | -9.91000 | .08000 | 1.77300 | -9.83000 | -9.99000 | -.21900 | -.20900 | 1465.00000 |
| .950 | 7.790 | -.03000 | -9.87000 | .05000 | 2.04100 | -9.82000 | -9.92000 | -.21700 | -.21600 | 1465.00000 |
| .950 | 8.790 | .01000 | -9.92000 | .09000 | 2.23600 | -9.83000 | -10.00000 | -.22600 | -.23200 | 1465.00000 |
| .949 | 9.790 | .00000 | -9.93000 | .09000 | 2.40300 | -9.84000 | -10.01000 | -.22600 | -.22800 | 1465.00000 |
| .949 | 11.810 | .00000 | -10.29000 | -.34000 | 2.47200 | -10.63000 | -9.96000 | -.25500 | -.24800 | 1465.00000 |
| .949 | 13.950 | .01000 | -9.91000 | -.02000 | 2.44700 | -9.94000 | -9.89000 | -.28300 | -.28200 | 1465.00000 |
| .947 | 15.740 | .02000 | -9.87000 | -.01000 | 2.35600 | -9.88000 | -9.86000 | -.29400 | -.30400 | 1465.00000 |
| .949 | 17.980 | .04000 | -9.94000 | .02000 | 2.22400 | -9.92000 | -9.96000 | -.32700 | -.33200 | 1465.00000 |
| .949 | 19.690 | .00000 | -9.94000 | .02000 | 2.11300 | -9.91000 | -9.96000 | -.36100 | -.36800 | 1465.00000 |
| | GRADIENT | .00059 | .00339 | .00076 | .54853 | .00476 | .00356 | .00132 | .00339 | -.00001 |

ARC 200-1 11(LA77) OV101 (A2B122) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 208/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -1.990 | -.04000 | -9.94000 | .00000 | -1.89700 | -9.93000 | -9.94000 | -.36600 | -.36500 | 1562.00000 |
| 1.045 | .010 | -.04000 | -9.94000 | .00000 | -1.17600 | -9.94000 | -9.95000 | -.35900 | -.35800 | 1562.00000 |
| 1.047 | 2.040 | -.03000 | -9.94000 | -.03000 | -.26500 | -9.97000 | -9.91000 | -.35000 | -.35000 | 1562.00000 |
| 1.048 | 3.040 | -.03000 | -9.96000 | -.02000 | .19800 | -9.98000 | -9.94000 | -.35200 | -.35100 | 1562.00000 |
| 1.047 | 4.000 | -.03000 | -9.92000 | -.02000 | .57500 | -9.95000 | -9.90000 | -.35100 | -.35200 | 1562.00000 |
| 1.046 | 4.980 | -.03000 | -9.92000 | -.01000 | .92200 | -9.93000 | -9.91000 | -.35800 | -.35700 | 1562.00000 |
| 1.046 | 6.000 | -.03000 | -9.93000 | .01000 | 1.23800 | -9.92000 | -9.94000 | -.36100 | -.35900 | 1562.00000 |
| 1.048 | 6.970 | -.04000 | -9.92000 | .00000 | 1.48600 | -9.92000 | -9.92000 | -.36200 | -.36400 | 1562.00000 |
| 1.045 | 7.920 | -.04000 | -9.92000 | .00000 | 1.68000 | -9.92000 | -9.92000 | -.37200 | -.37100 | 1562.00000 |
| 1.046 | 8.970 | .00000 | -9.95000 | .02000 | 1.85400 | -9.93000 | -9.97000 | -.37200 | -.37400 | 1562.00000 |
| 1.048 | 9.930 | -.02000 | -9.93000 | .00000 | 1.98500 | -9.93000 | -9.92000 | -.38000 | -.37900 | 1562.00000 |
| 1.046 | 11.980 | -.02000 | -9.94000 | -.02000 | 2.10100 | -9.96000 | -9.92000 | -.39700 | -.39900 | 1562.00000 |
| 1.045 | 14.000 | -.02000 | -9.91000 | -.01000 | 2.11500 | -9.92000 | -9.91000 | -.41300 | -.41300 | 1562.00000 |
| 1.048 | 16.000 | -.01000 | -9.94000 | -.02000 | 2.08500 | -9.96000 | -9.93000 | -.43300 | -.43000 | 1562.00000 |
| 1.044 | 17.990 | -.01000 | -9.96000 | .00000 | 2.02700 | -9.96000 | -9.96000 | -.47100 | -.47100 | 1562.00000 |
| 1.048 | 20.000 | .00000 | -9.95000 | .02000 | 1.97300 | -9.94000 | -9.97000 | -.48200 | -.48200 | 1562.00000 |
| | GRADIENT | .00177 | .00232 | -.00268 | .41439 | -.00213 | .00559 | .00160 | .00149 | .00000 |

ARC 200-1 11(LA77) OV101 (A28123) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 213/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.000 | -.04000 | -10.10000 | 4.99000 | -2.56100 | -5.11000 | -15.09000 | -.24900 | -.24900 | 1464.00000 |
| .950 | -.020 | -.03000 | -10.10000 | 4.98000 | -1.82100 | -5.12000 | -15.09000 | -.23800 | -.23700 | 1464.00000 |
| .950 | 1.970 | -.02000 | -10.16000 | 5.04000 | -.76100 | -5.12000 | -15.19000 | -.23800 | -.22800 | 1464.00000 |
| .948 | 2.960 | -.02000 | -10.20000 | 5.07000 | -.17400 | -5.13000 | -15.27000 | -.22700 | -.22800 | 1464.00000 |
| .950 | 3.990 | -.02000 | -10.24000 | 5.11000 | .42900 | -5.13000 | -15.35000 | -.22000 | -.22100 | 1464.00000 |
| .949 | 4.980 | -.02000 | -9.96000 | 5.02000 | .98800 | -4.94000 | -14.98000 | -.22500 | -.22000 | 1464.00000 |
| .950 | 6.000 | -.03000 | -10.14000 | 5.06000 | 1.45800 | -5.08000 | -15.19000 | -.22200 | -.22700 | 1464.00000 |
| .950 | 6.960 | -.03000 | -9.94000 | 5.13000 | 1.82600 | -4.81000 | -15.08000 | -.22800 | -.22900 | 1464.00000 |
| .951 | 7.950 | -.03000 | -9.95000 | 5.13000 | 2.08100 | -4.82000 | -15.08000 | -.23500 | -.23300 | 1464.00000 |
| .949 | 8.980 | .00000 | -9.97000 | 5.13000 | 2.27100 | -4.84000 | -15.10000 | -.24200 | -.23000 | 1464.00000 |
| .950 | 9.940 | .00000 | -9.99000 | 5.13000 | 2.39100 | -4.86000 | -15.12000 | -.23900 | -.24400 | 1464.00000 |
| .948 | 11.960 | .00000 | -9.94000 | 5.15000 | 2.49500 | -4.79000 | -15.09000 | -.26200 | -.25200 | 1464.00000 |
| .950 | 13.950 | .00000 | -9.92000 | 5.14000 | 2.42600 | -4.78000 | -15.06000 | -.29300 | -.28800 | 1464.00000 |
| .949 | 15.970 | .01000 | -10.05000 | 5.03000 | 2.32600 | -5.02000 | -15.08000 | -.32600 | -.33200 | 1464.00000 |
| .947 | 17.940 | .02000 | -10.05000 | 5.03000 | 2.20900 | -5.02000 | -15.08000 | -.34300 | -.34700 | 1464.00000 |
| .951 | 19.920 | -.01000 | -10.06000 | 5.03000 | 2.07800 | -5.02000 | -15.09000 | -.38400 | -.37500 | 1464.00000 |
| | GRADIENT | .00294 | .00122 | .01268 | .51707 | .01390 | -.01087 | .00383 | .00413 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B124) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPOBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 219/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.960 | 4.16000 | -.05000 | -.04000 | -1.80400 | -.09000 | -.01000 | -.22900 | -.23100 | 1404.00000 |
| .901 | -.010 | 4.18000 | -.03000 | -.03000 | -.46300 | -.06000 | -.01000 | -.23300 | -.22800 | 1404.00000 |
| .900 | 2.030 | 4.18000 | -.02000 | -.02000 | .97800 | -.04000 | -.01000 | -.22500 | -.22600 | 1404.00000 |
| .900 | 2.990 | 4.18000 | -.03000 | -.01000 | 1.58300 | -.04000 | -.01000 | -.22200 | -.22100 | 1404.00000 |
| .900 | 4.000 | 4.18000 | -.04000 | .01000 | 2.10300 | -.04000 | -.05000 | -.21800 | -.21000 | 1404.00000 |
| .901 | 4.970 | 4.18000 | -.06000 | .03000 | 2.49400 | -.04000 | -.09000 | -.22200 | -.21900 | 1404.00000 |
| .899 | 5.960 | 4.19000 | -.06000 | .03000 | 2.78500 | -.04000 | -.09000 | -.22200 | -.22000 | 1404.00000 |
| .900 | 7.020 | 4.20000 | -.08000 | .03000 | 2.96600 | -.04000 | -.11000 | -.21600 | -.21700 | 1404.00000 |
| .900 | 7.970 | 4.23000 | -.04000 | -.03000 | 3.12100 | -.07000 | -.01000 | -.22600 | -.23400 | 1404.00000 |
| .900 | 8.970 | 4.25000 | -.05000 | -.04000 | 3.13900 | -.08000 | -.01000 | -.23000 | -.23300 | 1404.00000 |
| .899 | 10.020 | 4.26000 | -.04000 | -.03000 | 3.09700 | -.07000 | -.01000 | -.23700 | -.23600 | 1404.00000 |
| .899 | 12.020 | 4.30000 | -.04000 | -.02000 | 2.97800 | -.06000 | -.02000 | -.25300 | -.25300 | 1404.00000 |
| .900 | 14.040 | 4.33000 | -.01000 | -.06000 | 2.76300 | -.07000 | .05000 | -.27300 | -.27500 | 1404.00000 |
| .899 | 16.050 | 4.35000 | -.04000 | -.03000 | 2.57500 | -.07000 | -.01000 | -.29400 | -.29700 | 1404.00000 |
| .899 | 17.980 | 4.38000 | -.03000 | -.04000 | 2.41300 | -.07000 | .01000 | -.31200 | -.31700 | 1404.00000 |
| .900 | 19.950 | 4.40000 | -.02000 | -.03000 | 2.23000 | -.05000 | .01000 | -.35000 | -.35600 | 1404.00000 |
| | GRADIENT | .00236 | -.00088 | .00947 | .63442 | .00711 | -.00946 | .00172 | .00243 | -.00000 |

RUN NO. 214/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.950 | 4.15000 | -.04000 | -.02000 | -1.54600 | -.06000 | -.02000 | -.27100 | -.26900 | 1465.00000 |
| .950 | -.010 | 4.18000 | -.04000 | -.01000 | -.46600 | -.05000 | -.03000 | -.26200 | -.26500 | 1465.00000 |
| .949 | 1.990 | 4.17000 | -.02000 | -.03000 | .73700 | -.06000 | .01000 | -.26400 | -.26200 | 1465.00000 |
| .950 | 3.020 | 4.17000 | -.03000 | -.05000 | 1.30500 | -.09000 | .02000 | -.26600 | -.26300 | 1465.00000 |
| .949 | 4.040 | 4.17000 | -.04000 | -.07000 | 1.80600 | -.11000 | .04000 | -.26200 | -.27200 | 1465.00000 |
| .950 | 5.030 | 4.17000 | -.01000 | -.04000 | 2.15600 | -.05000 | .04000 | -.25700 | -.25900 | 1465.00000 |
| .950 | 6.040 | 4.18000 | -.01000 | -.04000 | 2.45800 | -.05000 | .03000 | -.26400 | -.26500 | 1465.00000 |
| .949 | 7.000 | 4.18000 | -.02000 | -.03000 | 2.65100 | -.05000 | .01000 | -.25600 | -.26000 | 1465.00000 |
| .951 | 7.960 | 4.20000 | -.02000 | -.03000 | 2.77900 | -.05000 | .01000 | -.25800 | -.25600 | 1465.00000 |
| .949 | 8.990 | 4.23000 | -.03000 | -.03000 | 2.88700 | -.06000 | .00000 | -.26800 | -.26800 | 1465.00000 |
| .948 | 9.950 | 4.22000 | -.01000 | -.02000 | 2.90200 | -.03000 | .02000 | -.27000 | -.26700 | 1465.00000 |
| .949 | 12.000 | 4.26000 | .00000 | -.05000 | 2.81500 | -.05000 | .04000 | -.29200 | -.28900 | 1465.00000 |
| .953 | 14.040 | 4.28000 | -.02000 | -.03000 | 2.64200 | -.06000 | .01000 | -.34200 | -.32700 | 1465.00000 |
| .948 | 16.030 | 4.29000 | -.04000 | -.02000 | 2.46500 | -.06000 | -.02000 | -.35800 | -.36200 | 1465.00000 |
| .948 | 18.010 | 4.30000 | .00000 | -.04000 | 2.30700 | -.04000 | .04000 | -.40000 | -.40400 | 1465.00000 |
| .949 | 19.970 | 4.35000 | -.03000 | -.02000 | 2.15700 | -.06000 | -.01000 | -.39700 | -.39900 | 1465.00000 |
| | GRADIENT | .00229 | .00119 | -.00860 | .56671 | -.00836 | .01092 | .00098 | .00000 | -.00001 |

ARC 200-1 11(LA77) OV101 (A28124) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 209/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.930 | 4.16000 | .02000 | .00000 | -1.09400 | .02000 | .02000 | -.40000 | -.40000 | 1564.00000 |
| 1.047 | .010 | 4.18000 | -.02000 | -.05000 | -.28300 | -.07000 | .02000 | -.39300 | -.39500 | 1564.00000 |
| 1.045 | 2.030 | 4.17000 | -.02000 | -.05000 | .59400 | -.06000 | .03000 | -.39700 | -.39500 | 1564.00000 |
| 1.047 | 2.990 | 4.18000 | -.02000 | -.05000 | .98700 | -.07000 | .02000 | -.39200 | -.39200 | 1564.00000 |
| 1.049 | 4.020 | 4.18000 | -.03000 | -.05000 | 1.35700 | -.08000 | .02000 | -.38800 | -.38900 | 1564.00000 |
| 1.045 | 5.020 | 4.18000 | -.03000 | -.05000 | 1.64400 | -.07000 | .02000 | -.39800 | -.39800 | 1564.00000 |
| 1.047 | 6.030 | 4.18000 | -.03000 | -.05000 | 1.88300 | -.07000 | .02000 | -.40400 | -.40200 | 1564.00000 |
| 1.047 | 7.000 | 4.19000 | .00000 | -.03000 | 2.03700 | -.03000 | .03000 | -.41100 | -.41200 | 1564.00000 |
| 1.048 | 7.970 | 4.21000 | -.03000 | -.04000 | 2.16200 | -.07000 | .01000 | -.41600 | -.41800 | 1564.00000 |
| 1.046 | 9.000 | 4.23000 | -.03000 | -.04000 | 2.25700 | -.07000 | .01000 | -.42300 | -.42200 | 1564.00000 |
| 1.047 | 9.970 | 4.23000 | -.02000 | -.05000 | 2.31900 | -.07000 | .03000 | -.42600 | -.42400 | 1564.00000 |
| 1.044 | 12.030 | 4.27000 | -.03000 | -.04000 | 2.34500 | -.06000 | .01000 | -.43200 | -.43300 | 1564.00000 |
| 1.048 | 14.080 | 4.30000 | -.03000 | -.04000 | 2.30700 | -.07000 | .01000 | -.44100 | -.44100 | 1564.00000 |
| 1.046 | 16.060 | 4.32000 | -.04000 | -.04000 | 2.22100 | -.08000 | .01000 | -.46700 | -.47100 | 1564.00000 |
| 1.045 | 18.020 | 4.35000 | -.03000 | -.05000 | 2.11300 | -.08000 | .02000 | -.48900 | -.49100 | 1564.00000 |
| 1.046 | 19.980 | 4.38000 | -.02000 | -.04000 | 1.99900 | -.06000 | .02000 | -.51200 | -.51100 | 1564.00000 |
| | GRADIENT | .00268 | -.00702 | -.00735 | .41643 | -.01411 | .00027 | .00156 | .00162 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B125) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 220/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -6.330 | 5.09000 | -.03000 | -.03000 | 2.63700 | -.05000 | .00000 | -.22100 | -.22100 | 1406.00000 |
| .898 | -4.260 | 5.06000 | -.03000 | -.05000 | 2.65100 | -.08000 | .02000 | -.19800 | -.19100 | 1406.00000 |
| .901 | -3.200 | 5.05000 | -.03000 | -.06000 | 2.63200 | -.09000 | .03000 | -.19900 | -.20100 | 1406.00000 |
| .900 | -2.140 | 5.08000 | -.02000 | -.07000 | 2.61200 | -.10000 | .05000 | -.19600 | -.20200 | 1406.00000 |
| .901 | -1.100 | 5.06000 | -.02000 | -.08000 | 2.55800 | -.11000 | .06000 | -.19900 | -.19800 | 1406.00000 |
| .900 | -.030 | 5.03000 | -.01000 | -.09000 | 2.53800 | -.10000 | .08000 | -.20100 | -.20700 | 1406.00000 |
| .901 | 1.000 | 5.07000 | -.03000 | -.05000 | 2.55000 | -.08000 | .02000 | -.21000 | -.20500 | 1406.00000 |
| .901 | 2.060 | 5.05000 | -.02000 | -.04000 | 2.54200 | -.06000 | .02000 | -.20900 | -.20600 | 1406.00000 |
| .900 | 3.100 | 5.05000 | -.03000 | -.04000 | 2.54900 | -.06000 | .01000 | -.21700 | -.21800 | 1406.00000 |
| .899 | 4.150 | 5.03000 | -.02000 | -.04000 | 2.53400 | -.06000 | .02000 | -.22000 | -.21800 | 1406.00000 |
| .900 | 6.230 | 5.01000 | -.02000 | -.04000 | 2.48400 | -.06000 | .02000 | -.23300 | -.24200 | 1406.00000 |
| .900 | 8.330 | 5.02000 | -.03000 | -.03000 | 2.46100 | -.06000 | .01000 | -.28200 | -.27300 | 1406.00000 |
| | GRADIENT | -.00270 | .00048 | .00300 | -.01373 | .00443 | -.00252 | -.00284 | -.00276 | .00000 |

RUN NO. 215/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -6.320 | 5.09000 | -.05000 | .01000 | 2.19100 | -.04000 | -.06000 | -.25900 | -.26200 | 1469.00000 |
| .949 | -4.250 | 5.04000 | -.05000 | -.01000 | 2.25600 | -.06000 | -.04000 | -.24200 | -.24500 | 1469.00000 |
| .950 | -3.200 | 5.03000 | -.05000 | -.02000 | 2.23100 | -.07000 | -.04000 | -.23400 | -.23600 | 1469.00000 |
| .949 | -2.140 | 5.03000 | -.07000 | -.02000 | 2.26500 | -.09000 | -.04000 | -.23900 | -.23500 | 1469.00000 |
| .948 | -1.100 | 5.00000 | -.06000 | -.03000 | 2.26200 | -.08000 | -.03000 | -.23300 | -.23300 | 1469.00000 |
| .951 | -.020 | 5.01000 | -.06000 | -.03000 | 2.23400 | -.09000 | -.03000 | -.23500 | -.24300 | 1469.00000 |
| .950 | 1.010 | 5.04000 | -.04000 | -.04000 | 2.26700 | -.09000 | .00000 | -.25200 | -.23400 | 1469.00000 |
| .949 | 2.070 | 5.03000 | -.01000 | -.05000 | 2.21800 | -.06000 | .04000 | -.24000 | -.23900 | 1469.00000 |
| .950 | 3.090 | 5.03000 | .00000 | -.06000 | 2.20900 | -.06000 | .05000 | -.24800 | -.25100 | 1469.00000 |
| .950 | 4.150 | 5.02000 | -.03000 | -.03000 | 2.16100 | -.06000 | .00000 | -.25500 | -.25900 | 1469.00000 |
| .949 | 6.240 | 5.00000 | -.01000 | -.05000 | 2.07000 | -.06000 | .04000 | -.28400 | -.28800 | 1469.00000 |
| .948 | 8.340 | 5.02000 | -.02000 | -.05000 | 2.03400 | -.07000 | .03000 | -.32100 | -.32200 | 1469.00000 |
| | GRADIENT | -.00064 | .00586 | -.00429 | -.00848 | .00126 | .00984 | -.00182 | -.00174 | .00000 |

ARC 200-1 I1(LA77) OV101 - TO + BETA (A2B125) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 210/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -6.330 | 5.11000 | -.04000 | .01000 | 1.74400 | -.03000 | -.04000 | -.39600 | -.39900 | 1563.00000 |
| 1.046 | -4.260 | 5.06000 | .01000 | -.05000 | 1.72000 | -.04000 | .06000 | -.37100 | -.37200 | 1563.00000 |
| 1.048 | -3.210 | 5.06000 | -.01000 | -.04000 | 1.71900 | -.05000 | .03000 | -.35700 | -.35900 | 1563.00000 |
| 1.048 | -2.150 | 5.05000 | -.02000 | -.04000 | 1.70800 | -.06000 | .02000 | -.35200 | -.35100 | 1563.00000 |
| 1.046 | -1.110 | 5.03000 | -.01000 | -.05000 | 1.69800 | -.06000 | .03000 | -.35200 | -.35300 | 1563.00000 |
| 1.047 | -.020 | 5.03000 | -.03000 | -.04000 | 1.69400 | -.07000 | .01000 | -.35400 | -.35400 | 1563.00000 |
| 1.046 | 1.000 | 5.06000 | -.02000 | -.04000 | 1.69200 | -.06000 | .02000 | -.36200 | -.36100 | 1563.00000 |
| 1.048 | 2.070 | 5.04000 | -.01000 | -.05000 | 1.68500 | -.06000 | .04000 | -.36700 | -.37000 | 1563.00000 |
| 1.047 | 3.100 | 5.05000 | -.01000 | -.04000 | 1.67400 | -.06000 | .03000 | -.38300 | -.38300 | 1563.00000 |
| 1.047 | 4.150 | 5.04000 | .00000 | -.05000 | 1.65600 | -.05000 | .05000 | -.39700 | -.39600 | 1563.00000 |
| 1.046 | 6.240 | 5.04000 | -.02000 | -.04000 | 1.63600 | -.07000 | .02000 | -.42300 | -.42200 | 1563.00000 |
| 1.048 | 8.350 | 5.05000 | -.01000 | -.06000 | 1.62500 | -.07000 | .04000 | -.44700 | -.44500 | 1563.00000 |
| | GRADIENT | -.00159 | -.00049 | -.00016 | -.00702 | -.00112 | -.00017 | -.00351 | -.00338 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A28128) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -10.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 216/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -6.320 | 5.10000 | -.04000 | -.01000 | 2.22100 | -.05000 | -.02000 | -.26800 | -.26400 | 1465.00000 |
| .948 | -4.220 | 5.08000 | -.02000 | -.03000 | 2.27500 | -.05000 | .01000 | -.24000 | -.24000 | 1465.00000 |
| .950 | -3.170 | 5.07000 | -.01000 | -.04000 | 2.29700 | -.05000 | .04000 | -.24500 | -.24500 | 1465.00000 |
| .951 | -2.130 | 5.08000 | .01000 | -.06000 | 2.26500 | -.05000 | .08000 | -.23500 | -.23700 | 1465.00000 |
| .950 | -1.090 | 5.05000 | .01000 | -.06000 | 2.28700 | -.05000 | .07000 | -.24000 | -.24600 | 1465.00000 |
| .950 | -.020 | 5.02000 | -.10000 | -.06000 | 2.24100 | -.16000 | -.04000 | -.23900 | -.24300 | 1465.00000 |
| .948 | 1.010 | 5.01000 | .00000 | -.06000 | 2.26800 | -.06000 | .06000 | -.23900 | -.24600 | 1465.00000 |
| .949 | 2.090 | 5.00000 | -.04000 | .00000 | 2.22000 | -.04000 | -.04000 | -.24300 | -.24700 | 1465.00000 |
| .950 | 3.120 | 5.02000 | -.02000 | -.02000 | 2.20700 | -.04000 | .00000 | -.24900 | -.25700 | 1465.00000 |
| .951 | 4.180 | 5.02000 | -.01000 | -.03000 | 2.13200 | -.04000 | .02000 | -.26400 | -.26200 | 1465.00000 |
| .950 | 6.270 | 5.01000 | -.02000 | -.03000 | 2.06500 | -.05000 | .02000 | -.28500 | -.27900 | 1465.00000 |
| .949 | 8.340 | 5.02000 | -.02000 | -.04000 | 2.01500 | -.06000 | .03000 | -.32100 | -.31800 | 1465.00000 |
| | GRADIENT | -.00937 | -.00161 | .00287 | -.01511 | .00126 | -.00528 | -.00195 | -.00229 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28127) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 238/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.930 | -.04000 | -.01000 | -.05000 | -2.06500 | -.06000 | .04000 | -.19400 | -.19200 | 870.00000 |
| .596 | -.030 | -.03000 | .00000 | -.05000 | -.60400 | -.05000 | .04000 | -.18700 | -.19500 | 870.00000 |
| .596 | 1.970 | -.02000 | .00000 | -.05000 | 1.05800 | -.05000 | .04000 | -.18300 | -.18300 | 870.00000 |
| .596 | 4.010 | -.03000 | .00000 | -.05000 | 2.69600 | -.05000 | .05000 | -.17700 | -.18000 | 870.00000 |
| .596 | 5.950 | -.04000 | .00000 | -.05000 | 3.93600 | -.06000 | .05000 | -.18200 | -.18300 | 870.00000 |
| .595 | 7.970 | -.03000 | -.02000 | -.06000 | 4.75100 | -.08000 | .05000 | -.18500 | -.18300 | 870.00000 |
| .596 | 9.990 | -.02000 | .03000 | .04000 | 5.01800 | .07000 | -.01000 | -.18500 | -.18400 | 870.00000 |
| .596 | 11.000 | -.03000 | -.02000 | -.07000 | 4.96900 | -.09000 | .05000 | -.18700 | -.18400 | 870.00000 |
| .596 | 12.090 | -.03000 | -.04000 | -.08000 | 4.81800 | -.12000 | .05000 | -.18400 | -.18600 | 870.00000 |
| .596 | 13.090 | -.02000 | -.04000 | -.04000 | 4.51400 | -.08000 | .00000 | -.19100 | -.18700 | 870.00000 |
| .597 | 14.030 | -.02000 | -.04000 | -.05000 | 4.11500 | -.09000 | .01000 | -.20200 | -.19800 | 870.00000 |
| .597 | 15.020 | -.02000 | -.06000 | -.07000 | 3.76400 | -.12000 | .01000 | -.20500 | -.20000 | 870.00000 |
| .597 | 16.030 | -.02000 | -.05000 | -.07000 | 3.48900 | -.12000 | .02000 | -.21400 | -.20800 | 870.00000 |
| .595 | 18.000 | -.01000 | -.04000 | -.03000 | 3.01200 | -.07000 | -.01000 | -.23800 | -.23900 | 870.00000 |
| .597 | 19.980 | .01000 | -.03000 | -.05000 | 2.68200 | -.09000 | .02000 | -.27200 | -.27000 | 870.00000 |
| | GRADIENT | .00199 | .00149 | -.00000 | .80463 | .00149 | .00153 | .00277 | .00244 | .00000 |

RUN NO. 225/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.960 | -.04000 | .00000 | -.04000 | -.83400 | -.05000 | .04000 | -.36300 | -.36100 | 1414.00000 |
| 1.197 | -.030 | -.03000 | -.02000 | -.05000 | -.06000 | -.08000 | .03000 | -.36000 | -.36000 | 1414.00000 |
| 1.198 | 1.960 | -.02000 | -.08000 | -.05000 | .70200 | -.13000 | -.02000 | -.35000 | -.35000 | 1414.00000 |
| 1.197 | 3.980 | -.03000 | -.11000 | -.13000 | 1.36600 | -.25000 | .02000 | -.33600 | -.33500 | 1414.00000 |
| 1.198 | 5.990 | -.04000 | -.02000 | -.07000 | 1.85900 | -.09000 | .05000 | -.33100 | -.33200 | 1414.00000 |
| 1.198 | 7.940 | -.04000 | -.01000 | -.05000 | 2.15300 | -.06000 | .04000 | -.33900 | -.33900 | 1414.00000 |
| 1.197 | 10.000 | -.02000 | .01000 | -.03000 | 2.31700 | -.02000 | .05000 | -.34600 | -.34500 | 1414.00000 |
| 1.199 | 10.990 | -.02000 | -.03000 | -.09000 | 2.35400 | -.11000 | .06000 | -.34600 | -.34800 | 1414.00000 |
| 1.198 | 11.970 | -.03000 | -.02000 | -.09000 | 2.35600 | -.11000 | .07000 | -.35500 | -.35500 | 1414.00000 |
| 1.196 | 12.970 | -.03000 | -.04000 | -.06000 | 2.33600 | -.11000 | .02000 | -.36900 | -.36900 | 1414.00000 |
| 1.200 | 13.990 | -.03000 | -.02000 | -.06000 | 2.29300 | -.07000 | .04000 | -.37900 | -.38000 | 1414.00000 |
| 1.198 | 14.990 | -.03000 | .02000 | -.02000 | 2.24600 | -.01000 | .04000 | -.39600 | -.39500 | 1414.00000 |
| 1.198 | 16.010 | -.02000 | -.03000 | -.03000 | 2.19200 | -.07000 | .00000 | -.41000 | -.41000 | 1414.00000 |
| 1.196 | 18.010 | -.02000 | -.09000 | -.13000 | 2.08500 | -.22000 | .04000 | -.43300 | -.43400 | 1414.00000 |
| 1.198 | 19.970 | .00000 | -.03000 | -.05000 | 1.97000 | -.08000 | .02000 | -.45400 | -.45500 | 1414.00000 |
| | GRADIENT | .00200 | -.01970 | -.01370 | .37147 | -.03291 | -.00550 | .00461 | .00446 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B128) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 239/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -1.930 | 4.09000 | -.02000 | -.04000 | -2.06900 | -.06000 | .02000 | -.21400 | -.20900 | 866.90000 |
| .597 | .050 | 4.09000 | -.02000 | -.04000 | -.53100 | -.06000 | .02000 | -.21300 | -.21500 | 866.90000 |
| .597 | 2.040 | 4.08000 | -.02000 | -.03000 | 1.11400 | -.06000 | .01000 | -.21700 | -.21300 | 866.90000 |
| .597 | 4.000 | 4.11000 | -.03000 | -.03000 | 2.69600 | -.06000 | -.01000 | -.20800 | -.20600 | 866.90000 |
| .597 | 6.000 | 4.12000 | -.07000 | -.03000 | 3.95800 | -.10000 | -.04000 | -.19800 | -.20000 | 866.90000 |
| .597 | 7.990 | 4.17000 | -.03000 | -.08000 | 4.72400 | -.11000 | .05000 | -.20700 | -.20600 | 866.90000 |
| .598 | 10.010 | 4.18000 | -.03000 | -.09000 | 5.00300 | -.13000 | .06000 | -.21500 | -.21500 | 866.90000 |
| .597 | 11.040 | 4.19000 | -.01000 | -.04000 | 4.95100 | -.05000 | .03000 | -.21800 | -.21800 | 866.90000 |
| .596 | 12.080 | 4.20000 | -.02000 | -.05000 | 4.82200 | -.07000 | .03000 | -.22200 | -.22500 | 866.90000 |
| .597 | 13.060 | 4.20000 | -.03000 | -.04000 | 4.59800 | -.06000 | .01000 | -.21500 | -.22300 | 866.90000 |
| .597 | 14.040 | 4.21000 | -.02000 | -.08000 | 4.09800 | -.10000 | .06000 | -.22300 | -.22800 | 866.90000 |
| .596 | 15.040 | 4.21000 | -.01000 | -.08000 | 3.74600 | -.09000 | .06000 | -.22900 | -.23300 | 866.90000 |
| .597 | 16.060 | 4.21000 | -.04000 | -.06000 | 3.45100 | -.10000 | .02000 | -.24100 | -.23800 | 866.90000 |
| .597 | 18.010 | 4.22000 | -.03000 | -.09000 | 3.07600 | -.12000 | .06000 | -.26300 | -.26500 | 866.90000 |
| .597 | 19.980 | 4.23000 | -.03000 | -.08000 | 2.71100 | -.11000 | .05000 | -.29000 | -.29100 | 866.90000 |
| | GRADIENT | .00252 | -.00151 | .00202 | .80586 | -.00000 | -.00505 | .00070 | .00055 | .00000 |

RUN NO. 226/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -1.940 | 4.10000 | -.02000 | -.05000 | -.86500 | -.07000 | .03000 | -.37800 | -.37700 | 1432.00000 |
| 1.198 | .030 | 4.12000 | -.09000 | .01000 | -.09600 | -.09000 | -.10000 | -.36700 | -.36700 | 1432.00000 |
| 1.197 | 2.030 | 4.12000 | -.01000 | -.12000 | .68100 | -.12000 | .11000 | -.36400 | -.36200 | 1432.00000 |
| 1.197 | 4.000 | 4.12000 | -.13000 | -.03000 | 1.33500 | -.16000 | -.09000 | -.36500 | -.36300 | 1432.00000 |
| 1.197 | 6.020 | 4.13000 | -.05000 | -.04000 | 1.83000 | -.09000 | -.02000 | -.36900 | -.36700 | 1432.00000 |
| 1.196 | 7.980 | 4.16000 | -.21000 | -.24000 | 2.12000 | -.45000 | .04000 | -.37800 | -.37800 | 1432.00000 |
| 1.197 | 10.010 | 4.19000 | -.04000 | -.02000 | 2.28700 | -.06000 | -.02000 | -.38600 | -.38800 | 1432.00000 |
| 1.196 | 11.020 | 4.21000 | .02000 | -.08000 | 2.31400 | -.06000 | .10000 | -.39100 | -.39500 | 1432.00000 |
| 1.196 | 12.020 | 4.22000 | -.13000 | -.05000 | 2.31300 | -.17000 | -.08000 | -.40200 | -.40200 | 1432.00000 |
| 1.197 | 13.040 | 4.23000 | -.08000 | -.08000 | 2.30200 | -.16000 | .00000 | -.40700 | -.41200 | 1432.00000 |
| 1.197 | 14.060 | 4.24000 | -.02000 | .01000 | 2.27600 | -.01000 | -.03000 | -.41700 | -.41800 | 1432.00000 |
| 1.197 | 15.050 | 4.25000 | -.11000 | -.04000 | 2.23400 | -.15000 | -.07000 | -.43000 | -.43100 | 1432.00000 |
| 1.196 | 16.060 | 4.26000 | -.01000 | -.06000 | 2.18700 | -.07000 | .05000 | -.44000 | -.44100 | 1432.00000 |
| 1.197 | 18.020 | 4.27000 | -.05000 | -.05000 | 2.09000 | -.10000 | .00000 | -.44200 | -.44400 | 1432.00000 |
| 1.196 | 20.000 | 4.29000 | .00000 | -.01000 | 1.97900 | -.02000 | .01000 | -.46100 | -.45900 | 1432.00000 |
| | GRADIENT | .00302 | -.01256 | -.00359 | .37222 | -.01514 | -.00745 | .00212 | .00237 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B129) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 227/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -6.320 | 5.10000 | .01000 | .02000 | 1.68500 | .03000 | -.01000 | -.36600 | -.36500 | 1451.00000 |
| 1.196 | -4.250 | 5.05000 | -.07000 | -.07000 | 1.65300 | -.13000 | .00000 | -.36100 | -.36200 | 1451.00000 |
| 1.197 | -3.200 | 5.04000 | -.02000 | -.02000 | 1.64800 | -.04000 | .01000 | -.35600 | -.35400 | 1451.00000 |
| 1.197 | -2.150 | 5.05000 | -.03000 | -.02000 | 1.65300 | -.04000 | -.01000 | -.34400 | -.34300 | 1451.00000 |
| 1.196 | -1.100 | 5.01000 | -.03000 | -.02000 | 1.64600 | -.05000 | -.01000 | -.33600 | -.33200 | 1451.00000 |
| 1.197 | -.030 | 5.01000 | -.02000 | -.01000 | 1.63800 | -.03000 | -.01000 | -.33200 | -.33300 | 1451.00000 |
| 1.195 | 1.000 | 5.05000 | -.03000 | -.01000 | 1.64000 | -.04000 | -.02000 | -.33800 | -.34000 | 1451.00000 |
| 1.196 | 2.060 | 5.04000 | -.03000 | -.01000 | 1.64100 | -.04000 | -.02000 | -.34800 | -.34900 | 1451.00000 |
| 1.196 | 3.100 | 5.05000 | -.02000 | -.01000 | 1.62900 | -.03000 | -.01000 | -.35900 | -.35900 | 1451.00000 |
| 1.195 | 4.150 | 5.04000 | -.02000 | -.01000 | 1.61500 | -.03000 | -.01000 | -.36500 | -.36700 | 1451.00000 |
| 1.197 | 6.240 | 5.03000 | -.02000 | -.03000 | 1.60800 | -.05000 | .01000 | -.37600 | -.37600 | 1451.00000 |
| 1.196 | 8.340 | 5.06000 | -.02000 | -.07000 | 1.62700 | -.09000 | .05000 | -.39700 | -.39900 | 1451.00000 |
| | GRADIENT | .00015 | .00318 | .00476 | -.00379 | .00699 | -.00206 | -.00055 | -.00087 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B130) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 240/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -6.090 | 10.05000 | -.03000 | -.05000 | 5.09000 | -.08000 | .02000 | -.23000 | -.22700 | 864.90000 |
| .597 | -4.080 | 10.05000 | -.03000 | -.04000 | 5.09400 | -.07000 | .02000 | -.19500 | -.20200 | 864.90000 |
| .597 | -3.060 | 10.03000 | -.02000 | -.04000 | 5.07600 | -.05000 | .02000 | -.18900 | -.19000 | 864.90000 |
| .598 | -2.050 | 10.02000 | -.02000 | -.04000 | 5.04400 | -.06000 | .01000 | -.18600 | -.18600 | 864.90000 |
| .597 | -1.030 | 10.01000 | -.02000 | -.04000 | 5.01800 | -.06000 | .03000 | -.18300 | -.18100 | 864.90000 |
| .596 | -.030 | 10.00000 | -.02000 | -.04000 | 5.00400 | -.06000 | .03000 | -.18500 | -.18100 | 864.90000 |
| .598 | .980 | 10.02000 | -.02000 | -.04000 | 4.98800 | -.06000 | .02000 | -.18700 | -.18900 | 864.90000 |
| .597 | 2.020 | 10.05000 | -.01000 | -.05000 | 4.98200 | -.05000 | .04000 | -.19200 | -.19100 | 864.90000 |
| .597 | 3.070 | 10.06000 | .00000 | -.04000 | 4.97100 | -.05000 | .04000 | -.20200 | -.20800 | 864.90000 |
| .597 | 4.100 | 10.05000 | .00000 | -.05000 | 4.96800 | -.04000 | .05000 | -.21400 | -.21400 | 864.90000 |
| .597 | 6.180 | 10.03000 | .01000 | -.05000 | 4.96300 | -.05000 | .06000 | -.22200 | -.23200 | 864.90000 |
| .597 | 8.240 | 10.05000 | .00000 | -.06000 | 5.02000 | -.06000 | .07000 | -.24000 | -.23800 | 864.90000 |
| | GRADIENT | .00264 | .00327 | -.00098 | -.01586 | .00278 | .00376 | -.00215 | -.00198 | .00000 |

ARC 200-1 11(LA77) OV101 (A28131) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 235/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -1.940 | -.03000 | -.04000 | -.06000 | -1.81100 | -.09000 | .02000 | -.21000 | -.21300 | 1401.00000 |
| .899 | -.010 | -.02000 | -.03000 | -.05000 | -.37000 | -.09000 | .02000 | -.20000 | -.19500 | 1401.00000 |
| .901 | 1.980 | -.02000 | -.03000 | -.05000 | 1.09800 | -.08000 | .01000 | -.19900 | -.19500 | 1401.00000 |
| .897 | 2.970 | -.02000 | -.03000 | -.05000 | 1.71400 | -.07000 | .02000 | -.19400 | -.19800 | 1401.00000 |
| .900 | 3.930 | -.02000 | -.03000 | -.05000 | 2.21400 | -.08000 | .02000 | -.19700 | -.19200 | 1401.00000 |
| .898 | 4.940 | -.02000 | -.01000 | -.06000 | 2.60500 | -.07000 | .04000 | -.19300 | -.19400 | 1401.00000 |
| .899 | 5.990 | -.03000 | -.02000 | -.04000 | 2.87900 | -.07000 | .02000 | -.19400 | -.19100 | 1401.00000 |
| .897 | 7.030 | -.03000 | -.03000 | -.03000 | 3.04500 | -.06000 | -.01000 | -.18900 | -.19000 | 1401.00000 |
| .901 | 7.990 | -.04000 | -.04000 | -.03000 | 3.12800 | -.06000 | -.01000 | -.19700 | -.19000 | 1401.00000 |
| .897 | 8.970 | -.02000 | -.04000 | -.03000 | 3.18100 | -.07000 | -.02000 | -.19500 | -.20500 | 1401.00000 |
| .899 | 10.010 | -.02000 | -.05000 | -.04000 | 3.14800 | -.09000 | -.01000 | -.19800 | -.20200 | 1401.00000 |
| .898 | 11.990 | -.02000 | -.01000 | -.03000 | 2.98700 | -.04000 | .01000 | -.21500 | -.21600 | 1401.00000 |
| .900 | 14.010 | -.01000 | .00000 | -.05000 | 2.77400 | -.05000 | .04000 | -.24000 | -.23400 | 1401.00000 |
| .899 | 16.000 | .01000 | -.02000 | -.03000 | 2.58200 | -.05000 | .02000 | -.27400 | -.27600 | 1401.00000 |
| .899 | 18.010 | .00000 | -.07000 | -.07000 | 2.40000 | -.14000 | .00000 | -.30200 | -.31200 | 1401.00000 |
| .900 | 19.960 | .02000 | -.06000 | -.04000 | 2.21900 | -.11000 | -.02000 | -.35500 | -.34600 | 1401.00000 |
| | GRADIENT | .00119 | .00299 | .00029 | .65619 | .00300 | .00180 | .00218 | .00232 | -.00000 |

RUN NO. 231/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.930 | -.04000 | .00000 | -.05000 | -1.50300 | -.05000 | .04000 | -.23600 | -.23100 | 1451.00000 |
| .949 | .080 | -.04000 | .01000 | -.04000 | -.33000 | -.03000 | .04000 | -.24100 | -.23700 | 1451.00000 |
| .949 | 1.980 | -.02000 | -.02000 | -.07000 | .87800 | -.09000 | .04000 | -.23800 | -.24200 | 1451.00000 |
| .948 | 2.980 | -.02000 | -.02000 | -.07000 | 1.44200 | -.10000 | .05000 | -.23200 | -.23200 | 1451.00000 |
| .947 | 3.950 | -.02000 | -.03000 | -.08000 | 1.91400 | -.11000 | .05000 | -.23600 | -.23900 | 1451.00000 |
| .949 | 5.020 | -.03000 | -.05000 | -.10000 | 2.29800 | -.15000 | .04000 | -.22600 | -.22700 | 1451.00000 |
| .949 | 5.960 | -.03000 | -.03000 | -.07000 | 2.57900 | -.10000 | .04000 | -.23700 | -.23100 | 1451.00000 |
| .947 | 7.000 | -.03000 | -.04000 | -.06000 | 2.83200 | -.11000 | .02000 | -.24300 | -.24600 | 1451.00000 |
| .946 | 7.960 | -.04000 | -.04000 | -.13000 | 2.91200 | -.16000 | .09000 | -.23000 | -.23400 | 1451.00000 |
| .947 | 8.960 | .01000 | -.08000 | -.05000 | 2.95600 | -.13000 | -.04000 | -.24400 | -.24200 | 1451.00000 |
| .947 | 9.990 | .00000 | -.05000 | -.07000 | 2.94700 | -.13000 | .02000 | -.22800 | -.23600 | 1451.00000 |
| .947 | 11.990 | .00000 | .01000 | -.03000 | 2.81100 | -.02000 | .04000 | -.24900 | -.25700 | 1451.00000 |
| .949 | 14.000 | .01000 | -.04000 | -.02000 | 2.62600 | -.06000 | -.02000 | -.29800 | -.30100 | 1451.00000 |
| .947 | 15.990 | .03000 | -.02000 | -.03000 | 2.47200 | -.06000 | .01000 | -.32500 | -.32400 | 1451.00000 |
| .948 | 18.000 | -.04000 | .02000 | -.03000 | 2.30600 | -.01000 | .05000 | -.36400 | -.36900 | 1451.00000 |
| .949 | 20.000 | .01000 | -.04000 | -.06000 | 2.14700 | -.10000 | .02000 | -.39300 | -.38800 | 1451.00000 |
| | GRADIENT | .00422 | -.00596 | -.00596 | .59010 | -.01263 | .00185 | .00053 | -.00091 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28131) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 228/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.930 | -.10000 | -.10000 | -.05000 | -1.13100 | -.15000 | -.05000 | -.36900 | -.36800 | 1548.00000 |
| 1.046 | .000 | -.08000 | -.04000 | -.07000 | -.26600 | -.11000 | .03000 | -.34800 | -.34900 | 1548.00000 |
| 1.047 | 2.010 | -.08000 | -.06000 | -.10000 | .65600 | -.16000 | .04000 | -.34300 | -.34000 | 1548.00000 |
| 1.046 | 3.000 | -.08000 | .02000 | -.06000 | 1.07400 | -.04000 | .08000 | -.34500 | -.34500 | 1548.00000 |
| 1.046 | 3.980 | -.08000 | -.02000 | -.05000 | 1.41800 | -.07000 | .04000 | -.34600 | -.34700 | 1548.00000 |
| 1.045 | 4.990 | -.08000 | -.02000 | -.02000 | 1.71400 | -.05000 | .00000 | -.35000 | -.35000 | 1548.00000 |
| 1.047 | 6.020 | -.09000 | -.11000 | .02000 | 1.96000 | -.08000 | -.13000 | -.34900 | -.35000 | 1548.00000 |
| 1.046 | 6.970 | -.09000 | .00000 | -.06000 | 2.12700 | -.06000 | .06000 | -.35300 | -.35300 | 1548.00000 |
| 1.048 | 7.930 | -.09000 | -.01000 | -.05000 | 2.24400 | -.06000 | .04000 | -.35300 | -.35200 | 1548.00000 |
| 1.047 | 9.020 | .01000 | -.07000 | -.01000 | 2.34000 | -.08000 | -.06000 | -.35900 | -.36200 | 1548.00000 |
| 1.046 | 9.940 | -.06000 | -.01000 | -.02000 | 2.39400 | -.03000 | .01000 | -.36400 | -.36600 | 1548.00000 |
| 1.046 | 12.030 | -.07000 | -.03000 | -.05000 | 2.39200 | -.09000 | .02000 | -.38100 | -.38100 | 1548.00000 |
| 1.047 | 14.020 | -.07000 | -.07000 | -.04000 | 2.31600 | -.10000 | -.03000 | -.40700 | -.40900 | 1548.00000 |
| 1.047 | 16.020 | -.07000 | -.04000 | -.05000 | 2.22000 | -.10000 | .01000 | -.44000 | -.44200 | 1548.00000 |
| 1.047 | 17.980 | -.07000 | .00000 | -.11000 | 2.12000 | -.11000 | .10000 | -.47900 | -.47900 | 1548.00000 |
| 1.047 | 19.990 | -.01000 | -.06000 | -.06000 | 2.00300 | -.11000 | .00000 | -.51200 | -.51100 | 1548.00000 |
| | GRADIENT | .00237 | .01186 | .00359 | .41919 | .01455 | .00886 | .00251 | .00240 | -.00001 |

ARC 200-1 11(LA77) OV101 (A2B132) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 236/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.930 | 4.16000 | -.01000 | -.04000 | -1.88300 | -.05000 | .03000 | -.22500 | -.22300 | 1403.00000 |
| .899 | .000 | 4.19000 | .01000 | -.03000 | -.45500 | -.02000 | .04000 | -.21900 | -.21900 | 1403.00000 |
| .899 | 1.960 | 4.18000 | -.02000 | -.06000 | 1.00100 | -.08000 | .04000 | -.21600 | -.21800 | 1403.00000 |
| .897 | 3.000 | 4.18000 | -.02000 | -.06000 | 1.69500 | -.08000 | .04000 | -.21600 | -.21400 | 1403.00000 |
| .899 | 3.980 | 4.19000 | -.03000 | -.06000 | 2.19500 | -.09000 | .04000 | -.21100 | -.21200 | 1403.00000 |
| .898 | 4.990 | 4.19000 | -.04000 | -.06000 | 2.62700 | -.10000 | .03000 | -.20800 | -.21200 | 1403.00000 |
| .899 | 5.960 | 4.21000 | -.03000 | -.05000 | 2.88700 | -.08000 | .02000 | -.21100 | -.20700 | 1403.00000 |
| .899 | 7.050 | 4.21000 | -.03000 | -.03000 | 3.10000 | -.07000 | .00000 | -.21400 | -.21600 | 1403.00000 |
| .899 | 8.020 | 4.25000 | -.04000 | -.05000 | 3.20000 | -.09000 | .01000 | -.21600 | -.21800 | 1403.00000 |
| .900 | 9.010 | 4.26000 | -.03000 | -.05000 | 3.16800 | -.08000 | .02000 | -.21900 | -.21200 | 1403.00000 |
| .899 | 10.010 | 4.27000 | -.04000 | -.06000 | 3.14500 | -.10000 | .02000 | -.22500 | -.22600 | 1403.00000 |
| .898 | 12.030 | 4.30000 | -.04000 | -.05000 | 3.01300 | -.09000 | .00000 | -.24700 | -.25200 | 1403.00000 |
| .898 | 14.060 | 4.33000 | .02000 | -.05000 | 2.79200 | -.03000 | .07000 | -.25900 | -.26100 | 1403.00000 |
| .898 | 16.090 | 4.35000 | -.02000 | -.06000 | 2.59700 | -.08000 | .04000 | -.28700 | -.29400 | 1403.00000 |
| .898 | 18.120 | 4.39000 | -.05000 | -.03000 | 2.41400 | -.08000 | -.01000 | -.31600 | -.30400 | 1403.00000 |
| .897 | 20.010 | 4.41000 | .01000 | -.04000 | 2.24700 | -.03000 | .05000 | -.36200 | -.35600 | 1403.00000 |
| | GRADIENT | .00325 | -.00537 | -.00416 | .66551 | -.00953 | .00028 | .00226 | .00167 | .00000 |

RUN NO. 232/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.970 | 4.17000 | -.02000 | -.08000 | -1.59300 | -.10000 | .05000 | -.26100 | -.28200 | 1450.00000 |
| .947 | .080 | 4.15000 | -.02000 | -.09000 | -.38500 | -.11000 | .07000 | -.24700 | -.25500 | 1450.00000 |
| .949 | 2.000 | 4.17000 | -.01000 | -.09000 | .77800 | -.10000 | .08000 | -.24100 | -.24600 | 1450.00000 |
| .946 | 2.990 | 4.18000 | -.03000 | -.09000 | 1.39300 | -.12000 | .05000 | -.25200 | -.25300 | 1450.00000 |
| .946 | 3.950 | 4.18000 | -.02000 | -.07000 | 1.83700 | -.09000 | .05000 | -.24400 | -.24700 | 1450.00000 |
| .949 | 4.990 | 4.18000 | -.01000 | -.07000 | 2.21200 | -.08000 | .06000 | -.24200 | -.24400 | 1450.00000 |
| .947 | 5.970 | 4.19000 | -.04000 | -.05000 | 2.53100 | -.09000 | .01000 | -.24400 | -.24600 | 1450.00000 |
| .949 | 7.000 | 4.19000 | -.04000 | -.06000 | 2.74400 | -.11000 | .02000 | -.24600 | -.25500 | 1450.00000 |
| .948 | 7.980 | 4.23000 | -.07000 | -.06000 | 2.88600 | -.13000 | -.02000 | -.25800 | -.26400 | 1450.00000 |
| .948 | 8.990 | 4.24000 | -.01000 | -.06000 | 2.93700 | -.06000 | .05000 | -.25600 | -.25200 | 1450.00000 |
| .949 | 9.990 | 4.27000 | -.06000 | -.05000 | 2.94900 | -.12000 | -.01000 | -.27500 | -.26300 | 1450.00000 |
| .948 | 12.030 | 4.26000 | -.08000 | -.04000 | 2.85000 | -.11000 | -.04000 | -.28800 | -.28700 | 1450.00000 |
| .947 | 14.020 | 4.28000 | -.01000 | -.08000 | 2.67200 | -.09000 | .07000 | -.31600 | -.31800 | 1450.00000 |
| .949 | 16.070 | 4.29000 | -.06000 | -.08000 | 2.48300 | -.14000 | .02000 | -.36500 | -.35300 | 1450.00000 |
| .949 | 18.070 | 4.29000 | -.05000 | -.05000 | 2.32400 | -.10000 | -.01000 | -.40900 | -.39500 | 1450.00000 |
| .947 | 20.060 | 4.34000 | -.05000 | -.06000 | 2.16400 | -.10000 | .01000 | -.39400 | -.39300 | 1450.00000 |
| | GRADIENT | .00294 | .00060 | .00177 | .56106 | .00237 | -.00027 | .00215 | .00235 | -.00000 |

ARC 200-1 II(LA77) OV101 (A2B132) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPOBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 229/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.930 | 4.17000 | -.05000 | -.03000 | -1.12100 | -.08000 | -.02000 | -.39700 | -.39600 | 1557.00000 |
| 1.045 | .000 | 4.19000 | -.03000 | -.03000 | -.28800 | -.06000 | .00000 | -.38900 | -.39000 | 1557.00000 |
| 1.048 | 2.020 | 4.19000 | -.03000 | -.04000 | .62400 | -.08000 | .01000 | -.38000 | -.38200 | 1557.00000 |
| 1.047 | 3.070 | 4.17000 | .01000 | -.07000 | 1.05000 | -.06000 | .08000 | -.38200 | -.38100 | 1557.00000 |
| 1.048 | 3.980 | 4.19000 | -.03000 | -.02000 | 1.38100 | -.06000 | -.01000 | -.37900 | -.37800 | 1557.00000 |
| 1.048 | 4.960 | 4.18000 | -.03000 | -.08000 | 1.67700 | -.10000 | .05000 | -.38100 | -.38200 | 1557.00000 |
| 1.046 | 6.020 | 4.20000 | -.05000 | -.05000 | 1.91700 | -.10000 | .00000 | -.39200 | -.39300 | 1557.00000 |
| 1.048 | 6.970 | 4.20000 | -.07000 | -.04000 | 2.07300 | -.10000 | -.03000 | -.40100 | -.40000 | 1557.00000 |
| 1.049 | 8.000 | 4.23000 | -.04000 | -.04000 | 2.20500 | -.08000 | -.01000 | -.40100 | -.40100 | 1557.00000 |
| 1.048 | 9.040 | 4.25000 | -.03000 | -.06000 | 2.30300 | -.09000 | .03000 | -.40700 | -.40500 | 1557.00000 |
| 1.045 | 10.010 | 4.25000 | -.04000 | -.04000 | 2.35100 | -.07000 | .00000 | -.41300 | -.41400 | 1557.00000 |
| 1.046 | 12.120 | 4.29000 | -.02000 | -.07000 | 2.36400 | -.09000 | .06000 | -.42100 | -.42100 | 1557.00000 |
| 1.045 | 14.170 | 4.31000 | -.03000 | -.05000 | 2.31400 | -.09000 | .02000 | -.43500 | -.43500 | 1557.00000 |
| 1.044 | 16.160 | 4.32000 | -.02000 | -.06000 | 2.22700 | -.09000 | .04000 | -.45800 | -.45800 | 1557.00000 |
| 1.047 | 18.010 | 4.34000 | .01000 | -.07000 | 2.12200 | -.06000 | .08000 | -.47700 | -.47600 | 1557.00000 |
| 1.048 | 20.030 | 4.37000 | -.05000 | -.03000 | 2.00500 | -.08000 | -.02000 | -.50500 | -.50700 | 1557.00000 |
| | GRADIENT | .00085 | .00364 | -.00510 | .41359 | -.00117 | .00874 | .00247 | .00241 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B133) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 237/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.330 | 5.08000 | -.01000 | -.05000 | 2.69800 | -.06000 | .04000 | -.22100 | -.22200 | 1403.00000 |
| .898 | -4.250 | 5.05000 | 00000 | -.07000 | 2.72300 | -.07000 | .07000 | -.19900 | -.19900 | 1403.00000 |
| .900 | -3.210 | 5.03000 | -.01000 | -.05000 | 2.69700 | -.06000 | .04000 | -.19500 | -.19900 | 1403.00000 |
| .898 | -2.150 | 5.05000 | -.01000 | -.06000 | 2.69200 | -.07000 | .04000 | -.19600 | -.19900 | 1403.00000 |
| .899 | -1.100 | 5.02000 | -.02000 | -.06000 | 2.62100 | -.08000 | .04000 | -.19200 | -.19200 | 1403.00000 |
| .897 | -.020 | 5.02000 | -.01000 | -.07000 | 2.61200 | -.08000 | .06000 | -.20000 | -.19700 | 1403.00000 |
| .898 | 1.010 | 5.06000 | -.01000 | -.08000 | 2.64700 | -.09000 | .07000 | -.19600 | -.20000 | 1403.00000 |
| .897 | 2.070 | 5.04000 | -.01000 | -.10000 | 2.66800 | -.11000 | .08000 | -.19900 | -.20300 | 1403.00000 |
| .899 | 3.080 | 5.07000 | -.05000 | -.07000 | 2.66200 | -.12000 | .02000 | -.20200 | -.19800 | 1403.00000 |
| .897 | 4.170 | 5.03000 | -.03000 | -.04000 | 2.64900 | -.07000 | .01000 | -.20800 | -.21300 | 1403.00000 |
| .900 | 6.250 | 5.02000 | -.03000 | -.06000 | 2.58100 | -.09000 | .02000 | -.22300 | -.22300 | 1403.00000 |
| .898 | 8.340 | 5.03000 | -.03000 | -.06000 | 2.57300 | -.09000 | .03000 | -.26300 | -.26500 | 1403.00000 |
| | GRADIENT | .00093 | -.00363 | -.00064 | -.00673 | -.00427 | -.00299 | -.00106 | -.00110 | -.00000 |

RUN NO. 233/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -6.320 | 5.07000 | -.02000 | -.04000 | 2.25500 | -.06000 | .02000 | -.24900 | -.25100 | 1449.00000 |
| .948 | -4.240 | 5.02000 | -.02000 | -.08000 | 2.29400 | -.10000 | .06000 | -.24200 | -.24600 | 1449.00000 |
| .948 | -3.190 | 5.02000 | -.09000 | -.15000 | 2.28000 | -.23000 | .06000 | -.23200 | -.22500 | 1449.00000 |
| .950 | -2.140 | 5.01000 | -.03000 | -.10000 | 2.27300 | -.12000 | .07000 | -.23600 | -.22700 | 1449.00000 |
| .949 | -1.090 | 5.01000 | -.06000 | -.12000 | 2.27300 | -.18000 | .06000 | -.23400 | -.23800 | 1449.00000 |
| .946 | -.010 | 4.98000 | -.02000 | -.06000 | 2.31200 | -.08000 | .05000 | -.23600 | -.23900 | 1449.00000 |
| .949 | 1.010 | 5.02000 | -.01000 | -.06000 | 2.29200 | -.07000 | .05000 | -.23700 | -.24000 | 1449.00000 |
| .945 | 2.070 | 5.01000 | .01000 | -.08000 | 2.34100 | -.06000 | .09000 | -.22700 | -.24600 | 1449.00000 |
| .948 | 3.080 | 5.03000 | -.03000 | -.04000 | 2.26000 | -.06000 | .01000 | -.23100 | -.22900 | 1449.00000 |
| .949 | 4.140 | 5.01000 | -.02000 | -.06000 | 2.24900 | -.08000 | .04000 | -.25400 | -.24800 | 1449.00000 |
| .949 | 6.240 | 5.00000 | -.02000 | -.03000 | 2.16700 | -.05000 | .01000 | -.26900 | -.26200 | 1449.00000 |
| .946 | 8.340 | 5.00000 | -.04000 | -.04000 | 2.12100 | -.09000 | .00000 | -.29300 | -.29400 | 1449.00000 |
| | GRADIENT | -.00002 | .00495 | .00812 | -.00131 | .01307 | -.00316 | -.00047 | -.00096 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B133) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 230/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -6.330 | 5.10000 | -.03000 | -.04000 | 1.76900 | -.07000 | .01000 | -.40100 | -.40000 | 1555.00000 |
| 1.047 | -4.260 | 5.04000 | -.03000 | -.06000 | 1.74700 | -.09000 | .03000 | -.36900 | -.36900 | 1555.00000 |
| 1.046 | -3.210 | 5.04000 | -.04000 | -.07000 | 1.73700 | -.11000 | .03000 | -.36200 | -.36100 | 1555.00000 |
| 1.047 | -2.150 | 5.04000 | -.06000 | -.05000 | 1.73600 | -.11000 | -.01000 | -.34900 | -.35000 | 1555.00000 |
| 1.047 | -1.100 | 5.01000 | .00000 | -.06000 | 1.72700 | -.06000 | .05000 | -.34900 | -.34900 | 1555.00000 |
| 1.046 | -.010 | 5.01000 | .00000 | -.07000 | 1.72300 | -.07000 | .07000 | -.34800 | -.34900 | 1555.00000 |
| 1.046 | 1.010 | 5.03000 | .01000 | -.07000 | 1.71900 | -.07000 | .08000 | -.35500 | -.35500 | 1555.00000 |
| 1.047 | 2.080 | 5.02000 | -.04000 | -.03000 | 1.71500 | -.07000 | -.01000 | -.35800 | -.36000 | 1555.00000 |
| 1.045 | 3.110 | 5.02000 | -.03000 | -.03000 | 1.69900 | -.06000 | .00000 | -.37600 | -.37600 | 1555.00000 |
| 1.047 | 4.160 | 5.02000 | -.03000 | -.04000 | 1.68800 | -.06000 | .01000 | -.38400 | -.38500 | 1555.00000 |
| 1.047 | 6.260 | 5.01000 | -.03000 | -.04000 | 1.67400 | -.07000 | .02000 | -.41300 | -.41400 | 1555.00000 |
| 1.047 | 8.360 | 5.04000 | -.05000 | -.05000 | 1.66000 | -.10000 | .01000 | -.43600 | -.43700 | 1555.00000 |
| | GRADIENT | -.00254 | .00128 | .00363 | -.00632 | .00538 | -.00220 | -.00198 | -.00212 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A28134) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 234/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -6.320 | 5.09000 | -.05000 | -.07000 | 2.27000 | -.12000 | .02000 | -.25400 | -.25600 | 1449.00000 |
| .947 | -4.230 | 5.06000 | -.02000 | -.03000 | 2.30900 | -.05000 | .01000 | -.24100 | -.23100 | 1449.00000 |
| .949 | -3.180 | 5.04000 | -.03000 | -.05000 | 2.33600 | -.08000 | .02000 | -.24400 | -.24500 | 1449.00000 |
| .946 | -2.130 | 5.06000 | -.03000 | -.06000 | 2.33000 | -.09000 | .03000 | -.22700 | -.23600 | 1449.00000 |
| .949 | -1.090 | 5.03000 | -.01000 | -.05000 | 2.29100 | -.07000 | .04000 | -.23500 | -.23200 | 1449.00000 |
| .947 | -.020 | 5.00000 | -.02000 | -.05000 | 2.29600 | -.07000 | .03000 | -.22700 | -.24300 | 1449.00000 |
| .946 | 1.010 | 4.98000 | .00000 | -.03000 | 2.33400 | -.03000 | .03000 | -.23400 | -.23000 | 1449.00000 |
| .946 | 2.100 | 4.97000 | -.04000 | -.01000 | 2.30800 | -.05000 | -.03000 | -.23900 | -.23600 | 1449.00000 |
| .948 | 3.130 | 4.99000 | -.03000 | -.03000 | 2.29900 | -.06000 | -.01000 | -.24700 | -.24300 | 1449.00000 |
| .948 | 4.190 | 4.99000 | -.02000 | -.05000 | 2.22100 | -.07000 | .03000 | -.24000 | -.23900 | 1449.00000 |
| .948 | 6.280 | 4.99000 | -.03000 | -.05000 | 2.16600 | -.08000 | .02000 | -.26300 | -.26600 | 1449.00000 |
| .947 | 8.340 | 5.01000 | -.05000 | -.05000 | 2.11500 | -.10000 | .01000 | -.29200 | -.29300 | 1449.00000 |
| | GRADIENT | -.01045 | -.00017 | .00159 | -.00735 | .00158 | -.00223 | -.00044 | -.00038 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B135) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 253/ 0 RN/L = 6.91 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .595 | -2.010 | -.04000 | -.02000 | -.06000 | -1.63600 | -.08000 | .03000 | -.26000 | -.25800 | 860.40000 |
| .594 | .060 | -.03000 | -.02000 | -.05000 | -.64100 | -.07000 | .04000 | -.25200 | -.25600 | 860.40000 |
| .596 | 2.030 | -.03000 | -.01000 | -.05000 | .42300 | -.06000 | .04000 | -.24000 | -.24200 | 860.40000 |
| .595 | 4.010 | -.03000 | -.01000 | -.05000 | 1.48200 | -.06000 | .04000 | -.23900 | -.23800 | 860.40000 |
| .596 | 5.960 | -.03000 | -.02000 | -.06000 | 2.43600 | -.08000 | .04000 | -.23800 | -.23600 | 860.40000 |
| .597 | 7.990 | -.02000 | -.03000 | -.05000 | 3.20700 | -.08000 | .02000 | -.23300 | -.23300 | 860.40000 |
| .597 | 10.010 | -.02000 | .01000 | -.08000 | 3.68300 | -.07000 | .08000 | -.22900 | -.22300 | 860.40000 |
| .597 | 10.980 | -.02000 | -.03000 | -.03000 | 3.77500 | -.06000 | .00000 | -.23400 | -.23300 | 860.40000 |
| .596 | 12.000 | -.02000 | -.01000 | -.05000 | 3.79600 | -.06000 | .03000 | -.23800 | -.23200 | 860.40000 |
| .596 | 12.970 | -.02000 | -.02000 | -.04000 | 3.71400 | -.06000 | .02000 | -.23700 | -.23700 | 860.40000 |
| .597 | 14.010 | -.02000 | .00000 | -.06000 | 3.48300 | -.07000 | .06000 | -.24100 | -.23800 | 860.40000 |
| .596 | 15.100 | -.02000 | -.03000 | -.05000 | 3.24600 | -.07000 | .02000 | -.25100 | -.24700 | 860.40000 |
| .596 | 16.040 | -.02000 | -.03000 | -.04000 | 3.07600 | -.07000 | .01000 | -.25700 | -.25200 | 860.40000 |
| .596 | 18.070 | -.01000 | -.01000 | -.05000 | 2.72700 | -.07000 | .04000 | -.27700 | -.27500 | 860.40000 |
| .597 | 20.050 | .04000 | .01000 | -.06000 | 2.48500 | -.06000 | .07000 | -.30300 | -.30400 | 860.40000 |
| | GRADIENT | .00151 | .00199 | .00151 | .51996 | .00350 | .00151 | .00375 | .00369 | .00000 |

RUN NO. 241/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -1.970 | -.04000 | -.02000 | -.06000 | -.81600 | -.08000 | .03000 | -.36200 | -.36300 | 1407.00000 |
| 1.197 | .010 | -.03000 | -.06000 | -.05000 | -.14700 | -.11000 | -.01000 | -.35800 | -.35800 | 1407.00000 |
| 1.197 | 1.970 | -.03000 | .00000 | -.15000 | .49600 | -.15000 | .15000 | -.35400 | -.35400 | 1407.00000 |
| 1.198 | 4.020 | -.03000 | -.05000 | -.14000 | 1.08400 | -.19000 | .09000 | -.35800 | -.35700 | 1407.00000 |
| 1.198 | 6.100 | -.03000 | -.06000 | -.07000 | 1.55300 | -.13000 | .01000 | -.36400 | -.36500 | 1407.00000 |
| 1.199 | 8.120 | -.04000 | .01000 | -.09000 | 1.85300 | -.08000 | .09000 | -.37400 | -.37400 | 1407.00000 |
| 1.195 | 10.070 | -.02000 | .00000 | -.06000 | 2.03200 | -.07000 | .06000 | -.38400 | -.38300 | 1407.00000 |
| 1.196 | 10.960 | -.03000 | -.05000 | -.03000 | 2.08400 | -.07000 | -.02000 | -.38500 | -.38400 | 1407.00000 |
| 1.197 | 11.980 | -.03000 | -.01000 | -.06000 | 2.11300 | -.07000 | .05000 | -.38800 | -.39100 | 1407.00000 |
| 1.196 | 13.000 | -.03000 | -.02000 | -.08000 | 2.12100 | -.10000 | .05000 | -.39800 | -.39700 | 1407.00000 |
| 1.196 | 14.040 | -.03000 | -.07000 | -.06000 | 2.10800 | -.12000 | -.01000 | -.40400 | -.40300 | 1407.00000 |
| 1.197 | 15.070 | -.03000 | -.02000 | -.06000 | 2.08300 | -.08000 | .04000 | -.41500 | -.41400 | 1407.00000 |
| 1.195 | 16.110 | -.03000 | -.05000 | -.08000 | 2.05100 | -.12000 | .03000 | -.42700 | -.42600 | 1407.00000 |
| 1.196 | 17.970 | -.02000 | -.05000 | -.01000 | 1.98500 | -.06000 | -.04000 | -.44100 | -.44300 | 1407.00000 |
| 1.196 | 19.930 | .00000 | -.01000 | -.06000 | 1.89500 | -.07000 | .05000 | -.46200 | -.46000 | 1407.00000 |
| | GRADIENT | .00150 | -.00157 | -.01700 | .31816 | -.01857 | .01692 | .00079 | .00110 | .00000 |

ARC 200-1 11(LA77) OV101 (A28136) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 254/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.960 | 4.10000 | .01000 | -.06000 | -1.66600 | -.05000 | .07000 | -.26800 | -.27000 | 864.20000 |
| .597 | .090 | 4.12000 | -.02000 | -.04000 | -.66300 | -.06000 | .02000 | -.26300 | -.26200 | 864.20000 |
| .597 | 2.050 | 4.12000 | -.01000 | -.03000 | .41800 | -.05000 | .02000 | -.26400 | -.26300 | 864.20000 |
| .597 | 4.110 | 4.12000 | -.02000 | -.03000 | 1.56400 | -.05000 | .01000 | -.25800 | -.25900 | 864.20000 |
| .596 | 5.980 | 4.14000 | -.01000 | -.04000 | 2.53000 | -.05000 | .03000 | -.25900 | -.25300 | 864.20000 |
| .596 | 8.000 | 4.17000 | -.02000 | -.05000 | 3.28800 | -.07000 | .04000 | -.24900 | -.25400 | 864.20000 |
| .597 | 10.070 | 4.19000 | -.01000 | -.06000 | 3.75400 | -.07000 | .05000 | -.25200 | -.24800 | 864.20000 |
| .596 | 11.050 | 4.20000 | -.02000 | -.04000 | 3.85000 | -.06000 | .03000 | -.24900 | -.25200 | 864.20000 |
| .597 | 12.080 | 4.21000 | -.04000 | -.04000 | 3.85900 | -.08000 | .01000 | -.25000 | -.25500 | 864.20000 |
| .596 | 13.070 | 4.21000 | -.03000 | -.04000 | 3.79300 | -.06000 | .01000 | -.25100 | -.25300 | 864.20000 |
| .596 | 14.060 | 4.22000 | -.03000 | -.07000 | 3.50100 | -.10000 | .04000 | -.26100 | -.25500 | 864.20000 |
| .596 | 15.010 | 4.22000 | -.01000 | -.07000 | 3.28200 | -.08000 | .06000 | -.26800 | -.26500 | 864.20000 |
| .595 | 16.000 | 4.22000 | -.01000 | -.08000 | 3.09500 | -.09000 | .07000 | -.27600 | -.28200 | 864.20000 |
| .596 | 18.090 | 4.23000 | .00000 | -.07000 | 2.78600 | -.07000 | .07000 | -.29400 | -.29600 | 864.20000 |
| .596 | 20.040 | 4.24000 | -.01000 | -.06000 | 2.52100 | -.07000 | .06000 | -.32600 | -.33500 | 864.20000 |
| | GRADIENT | .00298 | -.00399 | .00495 | .53397 | .00048 | -.00895 | .00144 | .00159 | .00000 |

RUN NO. 242/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -2.010 | 4.17000 | -.03000 | -.07000 | -.83600 | -.10000 | .04000 | -.41000 | -.41000 | 1439.00000 |
| 1.198 | .000 | 4.19000 | -.03000 | -.06000 | -.18500 | -.09000 | .03000 | -.40600 | -.40500 | 1439.00000 |
| 1.196 | 2.040 | 4.19000 | -.04000 | -.06000 | .46900 | -.11000 | .02000 | -.39400 | -.39600 | 1439.00000 |
| 1.196 | 4.140 | 4.19000 | -.04000 | -.06000 | 1.08000 | -.10000 | .02000 | -.37900 | -.37700 | 1439.00000 |
| 1.196 | 6.030 | 4.21000 | -.06000 | -.07000 | 1.51000 | -.13000 | .01000 | -.38700 | -.38600 | 1439.00000 |
| 1.197 | 8.020 | 4.24000 | -.06000 | -.08000 | 1.81200 | -.14000 | .01000 | -.39900 | -.39800 | 1439.00000 |
| 1.197 | 9.990 | 4.25000 | -.05000 | -.08000 | 2.00300 | -.13000 | .03000 | -.40400 | -.40500 | 1439.00000 |
| 1.195 | 11.000 | 4.28000 | -.05000 | -.07000 | 2.05500 | -.11000 | .02000 | -.41100 | -.41000 | 1439.00000 |
| 1.197 | 12.000 | 4.29000 | -.05000 | -.07000 | 2.08000 | -.13000 | .02000 | -.41700 | -.41600 | 1439.00000 |
| 1.195 | 13.000 | 4.31000 | .01000 | -.02000 | 2.09700 | -.02000 | .03000 | -.42100 | -.42100 | 1439.00000 |
| 1.197 | 13.950 | 4.32000 | -.02000 | -.02000 | 2.10300 | -.04000 | .01000 | -.42000 | -.42900 | 1439.00000 |
| 1.197 | 15.160 | 4.32000 | -.04000 | -.05000 | 2.08500 | -.09000 | .02000 | -.43500 | -.43500 | 1439.00000 |
| 1.196 | 16.080 | 4.33000 | -.04000 | -.06000 | 2.05600 | -.11000 | .02000 | -.44600 | -.44500 | 1439.00000 |
| 1.198 | 17.990 | 4.35000 | .00000 | -.05000 | 1.98800 | -.06000 | .05000 | -.45200 | -.45500 | 1439.00000 |
| 1.195 | 20.040 | 4.37000 | -.03000 | -.06000 | 1.89600 | -.09000 | .04000 | -.45900 | -.45800 | 1439.00000 |
| | GRADIENT | .00291 | -.00195 | .00145 | .31237 | -.00097 | -.00340 | .00514 | .00529 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B137) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 255/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -6.080 | 10.07000 | -.03000 | -.03000 | 3.79700 | -.05000 | .00000 | -.27100 | -.26600 | 863.40000 |
| .596 | -4.070 | 10.06000 | -.03000 | -.05000 | 3.74400 | -.08000 | .02000 | -.26200 | -.25500 | 863.40000 |
| .596 | -3.040 | 10.05000 | -.03000 | -.05000 | 3.72000 | -.08000 | .03000 | -.24600 | -.24700 | 863.40000 |
| .596 | -2.040 | 10.04000 | -.03000 | -.05000 | 3.68800 | -.09000 | .02000 | -.24100 | -.24200 | 863.40000 |
| .596 | -1.010 | 10.03000 | -.03000 | -.06000 | 3.66800 | -.09000 | .03000 | -.23700 | -.23500 | 863.40000 |
| .596 | -.010 | 10.02000 | -.02000 | -.04000 | 3.67700 | -.06000 | .02000 | -.23200 | -.23100 | 863.40000 |
| .595 | .970 | 10.03000 | -.02000 | -.05000 | 3.67200 | -.06000 | .03000 | -.23600 | -.23900 | 863.40000 |
| .596 | 2.030 | 10.07000 | -.02000 | -.05000 | 3.70100 | -.06000 | .03000 | -.23900 | -.23900 | 863.40000 |
| .595 | 3.070 | 10.08000 | -.02000 | -.05000 | 3.72100 | -.06000 | .03000 | -.24500 | -.24200 | 863.40000 |
| .597 | 4.100 | 10.07000 | -.01000 | -.05000 | 3.73200 | -.06000 | .03000 | -.25000 | -.24300 | 863.40000 |
| .596 | 6.170 | 10.05000 | -.02000 | -.05000 | 3.75300 | -.07000 | .03000 | -.26300 | -.26200 | 863.40000 |
| .595 | 8.230 | 10.06000 | -.02000 | -.05000 | 3.81100 | -.07000 | .03000 | -.27700 | -.28000 | 863.40000 |
| | GRADIENT | .00314 | .00229 | .00016 | -.00020 | .00375 | .00098 | .00090 | .00106 | -.00000 |

RUN NO. 243/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.194 | -6.190 | 10.07000 | -.01000 | -.03000 | 2.02600 | -.04000 | .03000 | -.41100 | -.41100 | 1450.00000 |
| 1.197 | -4.140 | 10.05000 | -.01000 | -.05000 | 2.04000 | -.06000 | .04000 | -.41000 | -.40900 | 1450.00000 |
| 1.197 | -3.120 | 10.04000 | .00000 | -.05000 | 2.03700 | -.05000 | .04000 | -.40300 | -.40400 | 1450.00000 |
| 1.195 | -2.070 | 10.01000 | -.01000 | -.05000 | 2.03900 | -.05000 | .04000 | -.39500 | -.39600 | 1450.00000 |
| 1.196 | -1.030 | 10.00000 | -.02000 | -.06000 | 2.03400 | -.07000 | .04000 | -.38700 | -.39000 | 1450.00000 |
| 1.195 | -.020 | 10.00000 | -.01000 | -.08000 | 2.02500 | -.08000 | .07000 | -.38300 | -.38300 | 1450.00000 |
| 1.197 | 1.010 | 10.05000 | -.08000 | -.04000 | 2.02700 | -.12000 | -.03000 | -.38900 | -.38900 | 1450.00000 |
| 1.197 | 2.070 | 10.07000 | -.02000 | -.06000 | 2.02700 | -.09000 | .04000 | -.39900 | -.39800 | 1450.00000 |
| 1.197 | 3.120 | 10.07000 | -.02000 | -.06000 | 2.01500 | -.07000 | .04000 | -.40100 | -.40100 | 1450.00000 |
| 1.196 | 4.190 | 10.06000 | .00000 | -.06000 | 2.00100 | -.06000 | .06000 | -.40400 | -.40200 | 1450.00000 |
| 1.198 | 6.280 | 10.05000 | -.01000 | -.07000 | 1.98700 | -.09000 | .06000 | -.42000 | -.41900 | 1450.00000 |
| 1.196 | 8.390 | 10.06000 | -.03000 | -.08000 | 1.98500 | -.11000 | .05000 | -.44500 | -.44100 | 1450.00000 |
| | GRADIENT | .00482 | -.00157 | -.00112 | -.00406 | -.00301 | .00019 | .00031 | .00053 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28138) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 250/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.960 | -.03000 | -.03000 | -.04000 | -1.54100 | -.07000 | .02000 | -.29800 | -.30100 | 1396.00000 |
| .896 | .030 | -.03000 | -.02000 | -.05000 | -.53000 | -.07000 | .03000 | -.28200 | -.28700 | 1396.00000 |
| .897 | 1.980 | -.02000 | -.03000 | -.05000 | .50100 | -.08000 | .01000 | -.28400 | -.27900 | 1396.00000 |
| .899 | 2.970 | -.02000 | -.03000 | -.05000 | 1.00600 | -.07000 | .02000 | -.27800 | -.27800 | 1396.00000 |
| .897 | 4.000 | -.02000 | -.02000 | -.05000 | 1.45500 | -.07000 | .03000 | -.27400 | -.27200 | 1396.00000 |
| .897 | 4.960 | -.03000 | -.03000 | -.06000 | 1.78300 | -.09000 | .02000 | -.26400 | -.26600 | 1396.00000 |
| .900 | 5.990 | -.03000 | -.04000 | -.05000 | 2.07300 | -.09000 | .01000 | -.26200 | -.25900 | 1396.00000 |
| .900 | 7.000 | -.03000 | -.04000 | -.05000 | 2.29600 | -.09000 | .01000 | -.25900 | -.26200 | 1396.00000 |
| .899 | 8.010 | -.04000 | -.03000 | -.05000 | 2.46400 | -.09000 | .02000 | -.26300 | -.26200 | 1396.00000 |
| .899 | 8.960 | .00000 | -.03000 | -.06000 | 2.52300 | -.09000 | .03000 | -.26400 | -.26200 | 1396.00000 |
| .899 | 10.000 | -.01000 | -.02000 | -.05000 | 2.57900 | -.07000 | .03000 | -.26600 | -.26400 | 1396.00000 |
| .899 | 12.020 | -.02000 | .01000 | -.06000 | 2.56700 | -.06000 | .07000 | -.27600 | -.27100 | 1396.00000 |
| .899 | 14.000 | -.01000 | .01000 | -.08000 | 2.47100 | -.08000 | .09000 | -.29100 | -.28800 | 1396.00000 |
| .898 | 16.030 | .00000 | -.01000 | -.05000 | 2.35200 | -.06000 | .04000 | -.32100 | -.31500 | 1396.00000 |
| .899 | 17.990 | .00000 | -.04000 | -.05000 | 2.23200 | -.09000 | .01000 | -.35300 | -.35300 | 1396.00000 |
| .898 | 19.960 | .02000 | .01000 | -.06000 | 2.09200 | -.05000 | .07000 | -.39100 | -.38500 | 1396.00000 |
| | GRADIENT | .00089 | .00001 | -.00208 | .49027 | -.00178 | .00002 | .00411 | .00470 | .00000 |

RUN NO. 247/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -1.980 | -.03000 | -.02000 | -.05000 | -1.30700 | -.07000 | .02000 | -.32300 | -.32200 | 1449.00000 |
| .947 | .080 | -.04000 | -.01000 | -.03000 | -.35100 | -.04000 | .02000 | -.30100 | -.30600 | 1449.00000 |
| .948 | 2.010 | -.03000 | .04000 | .02000 | .60100 | .06000 | .03000 | -.30500 | -.30600 | 1449.00000 |
| .947 | 3.000 | -.03000 | -.01000 | -.04000 | 1.06600 | -.06000 | .03000 | -.29800 | -.30300 | 1449.00000 |
| .947 | 3.930 | -.03000 | -.01000 | -.04000 | 1.45700 | -.06000 | .03000 | -.30200 | -.30800 | 1449.00000 |
| .947 | 4.920 | -.03000 | -.01000 | -.04000 | 1.78700 | -.05000 | .03000 | -.30500 | -.30300 | 1449.00000 |
| .948 | 5.950 | -.03000 | .00000 | -.04000 | 2.07100 | -.05000 | .04000 | -.30100 | -.30100 | 1449.00000 |
| .948 | 6.990 | -.04000 | -.03000 | -.05000 | 2.27200 | -.08000 | .03000 | -.29700 | -.29900 | 1449.00000 |
| .947 | 8.080 | -.03000 | -.03000 | -.06000 | 2.43900 | -.08000 | .03000 | -.28900 | -.30000 | 1449.00000 |
| .947 | 9.040 | .00000 | -.03000 | -.05000 | 2.50800 | -.08000 | .01000 | -.30100 | -.30900 | 1449.00000 |
| .947 | 10.060 | -.01000 | -.03000 | -.05000 | 2.55200 | -.09000 | .02000 | -.30700 | -.31800 | 1449.00000 |
| .948 | 12.120 | -.01000 | -.04000 | -.06000 | 2.49100 | -.11000 | .02000 | -.31600 | -.32000 | 1449.00000 |
| .944 | 14.070 | .01000 | -.01000 | -.04000 | 2.39700 | -.05000 | .03000 | -.32900 | -.33200 | 1449.00000 |
| .947 | 16.050 | .02000 | .01000 | -.09000 | 2.29500 | -.08000 | .10000 | -.35900 | -.35800 | 1449.00000 |
| .948 | 18.000 | -.06000 | -.03000 | -.05000 | 2.18700 | -.08000 | .02000 | -.39600 | -.38300 | 1449.00000 |
| .949 | 19.980 | .01000 | -.05000 | -.03000 | 2.04100 | -.09000 | -.02000 | -.43300 | -.44400 | 1449.00000 |
| | GRADIENT | .00058 | .00124 | .00066 | .45761 | .00100 | .00180 | .00234 | .00218 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B138) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 244/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -1.900 | -.04000 | -.04000 | -.04000 | -1.01900 | -.09000 | .00000 | -.40500 | -.40600 | 1554.00000 |
| 1.045 | -.040 | -.03000 | -.02000 | -.04000 | -.33000 | -.05000 | .02000 | -.39900 | -.39800 | 1554.00000 |
| 1.045 | 2.070 | -.02000 | -.02000 | -.06000 | .48400 | -.08000 | .04000 | -.39700 | -.39600 | 1554.00000 |
| 1.045 | 2.980 | -.03000 | .00000 | -.02000 | .79700 | -.02000 | .02000 | -.40000 | -.40100 | 1554.00000 |
| 1.046 | 4.120 | -.03000 | -.04000 | -.03000 | 1.16000 | -.07000 | -.01000 | -.40200 | -.40300 | 1554.00000 |
| 1.046 | 5.110 | -.03000 | -.02000 | -.07000 | 1.42400 | -.09000 | .04000 | -.40500 | -.40400 | 1554.00000 |
| 1.046 | 5.980 | -.03000 | -.06000 | -.05000 | 1.61100 | -.10000 | -.01000 | -.40700 | -.40800 | 1554.00000 |
| 1.046 | 6.930 | -.03000 | .02000 | -.02000 | 1.78100 | -.01000 | .04000 | -.41100 | -.41100 | 1554.00000 |
| 1.044 | 7.970 | -.04000 | -.02000 | -.04000 | 1.90800 | -.06000 | .02000 | -.42000 | -.42000 | 1554.00000 |
| 1.047 | 8.990 | .00000 | -.06000 | -.08000 | 2.01200 | -.14000 | .02000 | -.41900 | -.41800 | 1554.00000 |
| 1.046 | 10.060 | -.02000 | -.01000 | -.02000 | 2.09700 | -.03000 | .02000 | -.42000 | -.42000 | 1554.00000 |
| 1.047 | 12.060 | -.03000 | .03000 | -.06000 | 2.14600 | -.03000 | .10000 | -.42300 | -.42400 | 1554.00000 |
| 1.045 | 14.080 | -.02000 | -.04000 | -.05000 | 2.11700 | -.10000 | .01000 | -.44400 | -.44400 | 1554.00000 |
| 1.047 | 16.120 | -.01000 | .00000 | -.03000 | 2.07100 | -.04000 | .03000 | -.46600 | -.46600 | 1554.00000 |
| 1.047 | 18.130 | .00000 | -.06000 | -.06000 | 2.01100 | -.12000 | -.01000 | -.49400 | -.49500 | 1554.00000 |
| 1.047 | 20.140 | .00000 | -.06000 | -.06000 | 1.92100 | -.12000 | .01000 | -.52800 | -.52700 | 1554.00000 |
| | GRADIENT | .00170 | .00189 | .00193 | .36599 | .00462 | -.00004 | .00051 | .00043 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B139) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 251/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.930 | 4.17000 | -.03000 | -.04000 | -1.56100 | -.07000 | .00000 | -.30600 | -.30900 | 1394.00000 |
| .897 | .040 | 4.19000 | -.03000 | -.04000 | -.57000 | -.07000 | .01000 | -.29800 | -.29300 | 1394.00000 |
| .900 | 2.000 | 4.19000 | -.03000 | -.06000 | .48200 | -.09000 | .03000 | -.29700 | -.29900 | 1394.00000 |
| .899 | 2.970 | 4.19000 | -.03000 | -.05000 | .95900 | -.08000 | .01000 | -.29100 | -.28700 | 1394.00000 |
| .898 | 4.020 | 4.19000 | .00000 | -.08000 | 1.44500 | -.08000 | .08000 | -.29100 | -.28600 | 1394.00000 |
| .898 | 4.990 | 4.20000 | -.03000 | -.05000 | 1.78900 | -.08000 | .01000 | -.28100 | -.27600 | 1394.00000 |
| .899 | 6.020 | 4.21000 | -.03000 | -.04000 | 2.07700 | -.07000 | .02000 | -.28100 | -.28400 | 1394.00000 |
| .899 | 7.050 | 4.22000 | -.03000 | -.04000 | 2.30900 | -.07000 | .01000 | -.28400 | -.27700 | 1394.00000 |
| .899 | 8.010 | 4.24000 | -.03000 | -.05000 | 2.45800 | -.09000 | .02000 | -.27800 | -.28200 | 1394.00000 |
| .898 | 9.000 | 4.27000 | -.02000 | -.06000 | 2.53700 | -.09000 | .04000 | -.28100 | -.28700 | 1394.00000 |
| .899 | 10.050 | 4.30000 | -.02000 | -.06000 | 2.58200 | -.09000 | .04000 | -.28600 | -.29000 | 1394.00000 |
| .898 | 12.070 | 4.32000 | -.02000 | -.06000 | 2.58000 | -.08000 | .04000 | -.30200 | -.30800 | 1394.00000 |
| .897 | 14.060 | 4.35000 | .01000 | -.02000 | 2.48900 | -.01000 | .03000 | -.33700 | -.33700 | 1394.00000 |
| .897 | 16.080 | 4.37000 | -.02000 | -.05000 | 2.37400 | -.06000 | .03000 | -.33800 | -.33000 | 1394.00000 |
| .899 | 18.040 | 4.40000 | -.02000 | -.06000 | 2.25300 | -.08000 | .04000 | -.34700 | -.34800 | 1394.00000 |
| .899 | 19.990 | 4.42000 | -.03000 | -.08000 | 2.10500 | -.11000 | .05000 | -.38500 | -.39500 | 1394.00000 |
| | GRADIENT | .00327 | .00181 | -.00359 | .49365 | -.00178 | .00540 | .00309 | .00402 | -.00000 |

RUN NO. 248/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.940 | 4.20000 | -.02000 | -.04000 | -1.36200 | -.06000 | .02000 | -.36700 | -.36300 | 1449.00000 |
| .947 | .050 | 4.19000 | -.04000 | -.07000 | -.47100 | -.11000 | .03000 | -.37000 | -.36200 | 1449.00000 |
| .945 | 2.020 | 4.18000 | -.04000 | -.07000 | .48900 | -.11000 | .03000 | -.35900 | -.35800 | 1449.00000 |
| .947 | 3.000 | 4.18000 | -.03000 | -.07000 | .94200 | -.10000 | .04000 | -.36000 | -.36000 | 1449.00000 |
| .946 | 3.920 | 4.18000 | -.04000 | -.06000 | 1.30800 | -.10000 | .02000 | -.34600 | -.34800 | 1449.00000 |
| .948 | 5.000 | 4.18000 | -.03000 | -.07000 | 1.69900 | -.10000 | .04000 | -.35000 | -.35000 | 1449.00000 |
| .946 | 5.940 | 4.19000 | -.05000 | -.03000 | 1.97700 | -.07000 | -.02000 | -.33900 | -.35300 | 1449.00000 |
| .948 | 7.000 | 4.20000 | -.02000 | -.06000 | 2.20500 | -.09000 | .04000 | -.34200 | -.34000 | 1449.00000 |
| .945 | 7.990 | 4.21000 | -.01000 | -.07000 | 2.36600 | -.08000 | .06000 | -.33100 | -.34200 | 1449.00000 |
| .948 | 9.000 | 4.26000 | -.12000 | -.14000 | 2.47100 | -.26000 | .02000 | -.35400 | -.35200 | 1449.00000 |
| .947 | 10.020 | 4.24000 | -.01000 | -.08000 | 2.52600 | -.09000 | .07000 | -.34000 | -.34200 | 1449.00000 |
| .948 | 12.010 | 4.28000 | .00000 | -.07000 | 2.52400 | -.07000 | .07000 | -.35600 | -.35100 | 1449.00000 |
| .947 | 14.030 | 4.29000 | -.02000 | -.07000 | 2.43700 | -.09000 | .05000 | -.38200 | -.37600 | 1449.00000 |
| .947 | 16.100 | 4.30000 | -.03000 | -.06000 | 2.31100 | -.09000 | .03000 | -.38800 | -.39300 | 1449.00000 |
| .945 | 18.040 | 4.31000 | .05000 | -.10000 | 2.19200 | -.04000 | .15000 | -.42800 | -.41800 | 1449.00000 |
| .946 | 20.010 | 4.36000 | -.03000 | -.04000 | 2.05100 | -.06000 | .01000 | -.44100 | -.44600 | 1449.00000 |
| | GRADIENT | -.00299 | -.00119 | -.00301 | .44902 | -.00419 | .00182 | .00315 | .00208 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B139) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 245/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.900 | 4.17000 | -.03000 | -.07000 | -1.00000 | -.10000 | .04000 | -.45500 | -.45700 | 1554.00000 |
| 1.046 | .080 | 4.17000 | -.02000 | -.06000 | -.29700 | -.09000 | .04000 | -.45100 | -.44700 | 1554.00000 |
| 1.046 | 2.190 | 4.19000 | -.03000 | -.06000 | .48000 | -.10000 | .03000 | -.44900 | -.45000 | 1554.00000 |
| 1.046 | 3.050 | 4.16000 | -.01000 | -.07000 | .77900 | -.08000 | .06000 | -.45200 | -.45200 | 1554.00000 |
| 1.046 | 3.970 | 4.16000 | -.04000 | -.06000 | 1.05800 | -.10000 | .02000 | -.45300 | -.45000 | 1554.00000 |
| 1.048 | 5.000 | 4.20000 | -.02000 | -.03000 | 1.35300 | -.06000 | .01000 | -.45300 | -.45400 | 1554.00000 |
| 1.046 | 5.980 | 4.20000 | -.02000 | -.05000 | 1.55800 | -.06000 | .03000 | -.46300 | -.46300 | 1554.00000 |
| 1.044 | 6.910 | 4.21000 | .02000 | -.02000 | 1.71900 | .00000 | .05000 | -.46700 | -.46700 | 1554.00000 |
| 1.044 | 7.970 | 4.24000 | -.02000 | -.04000 | 1.86300 | -.06000 | .02000 | -.47000 | -.47000 | 1554.00000 |
| 1.046 | 9.020 | 4.26000 | -.01000 | -.06000 | 1.97600 | -.07000 | .05000 | -.46800 | -.47000 | 1554.00000 |
| 1.047 | 10.080 | 4.26000 | -.02000 | -.05000 | 2.05300 | -.07000 | .02000 | -.46700 | -.46700 | 1554.00000 |
| 1.046 | 12.040 | 4.29000 | -.04000 | -.06000 | 2.12400 | -.10000 | .03000 | -.46800 | -.46600 | 1554.00000 |
| 1.045 | 14.120 | 4.32000 | -.04000 | -.06000 | 2.13000 | -.10000 | .02000 | -.47800 | -.47800 | 1554.00000 |
| 1.046 | 16.040 | 4.34000 | .00000 | -.08000 | 2.09300 | -.08000 | .07000 | -.49600 | -.49700 | 1554.00000 |
| 1.044 | 17.980 | 4.35000 | -.05000 | -.05000 | 2.01500 | -.09000 | .00000 | -.50400 | -.50400 | 1554.00000 |
| 1.048 | 20.130 | 4.38000 | -.02000 | -.09000 | 1.91500 | -.11000 | .07000 | -.51700 | -.51700 | 1554.00000 |
| | GRADIENT | .00187 | .00031 | .00358 | .34564 | .00356 | -.00327 | .00017 | .00025 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B140) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 252/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -6.310 | 5.09000 | -.04000 | -.06000 | 1.91000 | -.10000 | .02000 | -.30300 | -.29900 | 1395.00000 |
| .898 | -4.240 | 5.05000 | -.03000 | -.05000 | 1.87500 | -.08000 | .01000 | -.27600 | -.27200 | 1395.00000 |
| .899 | -3.190 | 5.04000 | -.04000 | -.04000 | 1.86900 | -.08000 | .00000 | -.26500 | -.26700 | 1395.00000 |
| .899 | -2.140 | 5.04000 | -.03000 | -.06000 | 1.85200 | -.08000 | .03000 | -.26400 | -.26300 | 1395.00000 |
| .898 | -1.080 | 5.02000 | -.03000 | -.06000 | 1.82600 | -.09000 | .03000 | -.26600 | -.26400 | 1395.00000 |
| .898 | .000 | 5.01000 | -.03000 | -.06000 | 1.80500 | -.09000 | .04000 | -.26800 | -.27200 | 1395.00000 |
| .900 | 1.010 | 5.04000 | -.03000 | -.05000 | 1.81500 | -.08000 | .02000 | -.26600 | -.27100 | 1395.00000 |
| .896 | 2.080 | 5.03000 | -.04000 | -.06000 | 1.82400 | -.10000 | .03000 | -.26300 | -.26400 | 1395.00000 |
| .899 | 3.110 | 5.03000 | -.03000 | -.06000 | 1.82100 | -.09000 | .03000 | -.28000 | -.27600 | 1395.00000 |
| .899 | 4.160 | 5.02000 | -.03000 | -.06000 | 1.81300 | -.09000 | .03000 | -.29100 | -.28600 | 1395.00000 |
| .898 | 6.250 | 5.00000 | -.04000 | -.06000 | 1.79700 | -.10000 | .02000 | -.32500 | -.31900 | 1395.00000 |
| .900 | 8.340 | 5.02000 | -.03000 | -.05000 | 1.79100 | -.09000 | .02000 | -.34900 | -.34700 | 1395.00000 |
| | GRADIENT | -.00239 | .00016 | -.00143 | -.00730 | -.00159 | .00255 | -.00163 | -.00146 | -.00000 |

RUN NO. 249/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.310 | 5.05000 | -.01000 | -.07000 | 1.73700 | -.08000 | .07000 | -.35900 | -.35400 | 1450.00000 |
| .946 | -4.190 | 5.01000 | -.06000 | -.04000 | 1.78700 | -.10000 | -.02000 | -.31900 | -.32000 | 1450.00000 |
| .947 | -3.190 | 5.00000 | -.03000 | -.06000 | 1.80500 | -.10000 | .03000 | -.30300 | -.29700 | 1450.00000 |
| .946 | -2.090 | 5.00000 | -.04000 | -.06000 | 1.81800 | -.11000 | .02000 | -.29500 | -.29300 | 1450.00000 |
| .946 | -1.090 | 4.98000 | .00000 | -.06000 | 1.80900 | -.06000 | .06000 | -.29700 | -.29100 | 1450.00000 |
| .945 | .000 | 4.97000 | .00000 | -.07000 | 1.81400 | -.07000 | .07000 | -.29600 | -.30100 | 1450.00000 |
| .945 | 1.010 | 5.00000 | -.01000 | -.05000 | 1.82800 | -.06000 | .04000 | -.31000 | -.31700 | 1450.00000 |
| .948 | 2.070 | 4.99000 | -.02000 | -.04000 | 1.79500 | -.06000 | .02000 | -.32100 | -.32500 | 1450.00000 |
| .947 | 3.090 | 4.99000 | .00000 | -.07000 | 1.74900 | -.07000 | .06000 | -.32900 | -.31900 | 1450.00000 |
| .947 | 4.150 | 4.98000 | -.03000 | -.05000 | 1.70100 | -.08000 | .02000 | -.34100 | -.34700 | 1450.00000 |
| .947 | 6.230 | 4.96000 | -.02000 | -.06000 | 1.61800 | -.07000 | .04000 | -.37800 | -.37100 | 1450.00000 |
| .947 | 8.330 | 4.97000 | -.03000 | -.05000 | 1.58100 | -.07000 | .02000 | -.40500 | -.39400 | 1450.00000 |
| | GRADIENT | -.00240 | .00382 | -.00032 | -.00860 | .00430 | .00366 | -.00368 | -.00422 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B140) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 55.000
RUDDER = -5.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 246/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -6.320 | 5.10000 | -.01000 | -.03000 | 1.40500 | -.05000 | .02000 | -.46100 | -.46000 | 1554.00000 |
| 1.046 | -4.240 | 5.04000 | -.01000 | -.05000 | 1.40400 | -.06000 | .03000 | -.43000 | -.43100 | 1554.00000 |
| 1.046 | -3.200 | 5.03000 | -.02000 | -.05000 | 1.41800 | -.06000 | .03000 | -.42100 | -.42300 | 1554.00000 |
| 1.046 | -2.140 | 5.03000 | -.03000 | -.05000 | 1.42200 | -.09000 | .02000 | -.41400 | -.41400 | 1554.00000 |
| 1.047 | -1.090 | 5.00000 | -.03000 | -.05000 | 1.41800 | -.09000 | .02000 | -.40400 | -.40300 | 1554.00000 |
| 1.046 | -.010 | 5.01000 | -.04000 | -.05000 | 1.39700 | -.09000 | .02000 | -.40500 | -.40200 | 1554.00000 |
| 1.047 | 1.010 | 5.03000 | -.03000 | -.06000 | 1.39700 | -.09000 | .03000 | -.41500 | -.41400 | 1554.00000 |
| 1.046 | 2.080 | 5.02000 | -.03000 | -.05000 | 1.39000 | -.09000 | .02000 | -.42100 | -.42200 | 1554.00000 |
| 1.047 | 3.100 | 5.02000 | -.03000 | -.05000 | 1.37400 | -.09000 | .02000 | -.43200 | -.43400 | 1554.00000 |
| 1.048 | 4.150 | 5.02000 | -.03000 | -.06000 | 1.35300 | -.09000 | .03000 | -.45100 | -.45100 | 1554.00000 |
| 1.046 | 6.240 | 5.01000 | -.03000 | -.08000 | 1.34100 | -.11000 | .05000 | -.47500 | -.47500 | 1554.00000 |
| 1.047 | 8.350 | 5.04000 | -.07000 | -.06000 | 1.33200 | -.12000 | -.01000 | -.49100 | -.48900 | 1554.00000 |
| | GRADIENT | -.00159 | -.00175 | -.00079 | -.00668 | -.00334 | -.00032 | -.00224 | -.00221 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B141) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 7.000

RUN NO. 284/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.940 | -.03000 | -.02000 | -.06000 | -2.09900 | -.07000 | .04000 | -.20900 | -.20200 | 882.60000 |
| .599 | .050 | -.03000 | -.02000 | -.06000 | -.89700 | -.08000 | .04000 | -.20300 | -.20300 | 882.60000 |
| .600 | 2.030 | -.03000 | -.02000 | -.07000 | .44200 | -.09000 | .05000 | -.19700 | -.20700 | 882.60000 |
| .599 | 3.990 | -.03000 | -.03000 | -.07000 | 1.76100 | -.10000 | .04000 | -.19800 | -.19900 | 882.60000 |
| .599 | 5.960 | -.03000 | -.02000 | -.05000 | 2.93700 | -.07000 | .03000 | -.19000 | -.19000 | 882.60000 |
| .599 | 7.980 | -.02000 | -.03000 | -.04000 | 3.83900 | -.07000 | .01000 | -.19800 | -.19500 | 882.60000 |
| .599 | 9.990 | -.02000 | -.04000 | -.03000 | 4.28700 | -.06000 | -.01000 | -.19200 | -.19500 | 882.60000 |
| .600 | 12.020 | -.02000 | .03000 | -.06000 | 4.32900 | -.03000 | .09000 | -.19900 | -.19400 | 882.60000 |
| .600 | 14.020 | -.02000 | .03000 | -.07000 | 3.82900 | -.04000 | .09000 | -.20600 | -.21000 | 882.60000 |
| .599 | 16.020 | -.02000 | .02000 | -.05000 | 3.32000 | -.03000 | .08000 | -.22100 | -.22400 | 882.60000 |
| .599 | 18.010 | -.01000 | .02000 | -.05000 | 2.91900 | -.03000 | .07000 | -.24400 | -.24400 | 882.60000 |
| | GRADIENT | -.00000 | -.00151 | -.00202 | .65342 | -.00506 | .00051 | .00198 | .00025 | .00000 |

ARC 200-1 11(LA77) OV101 (A28141) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 7.000

RUN NO. 256/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -1.950 | -.04000 | -.02000 | -.03000 | -.87400 | -.05000 | .02000 | -.37200 | -.37300 | 1425.00000 |
| 1.196 | .070 | -.04000 | -.03000 | -.05000 | -.12100 | -.07000 | .02000 | -.36200 | -.36200 | 1425.00000 |
| 1.197 | 2.040 | -.02000 | -.05000 | -.04000 | .60200 | -.09000 | .00000 | -.34700 | -.34600 | 1425.00000 |
| 1.195 | 4.000 | -.02000 | -.05000 | -.04000 | 1.22700 | -.09000 | -.01000 | -.33900 | -.33900 | 1425.00000 |
| 1.197 | 6.020 | -.03000 | .00000 | -.04000 | 1.72200 | -.04000 | .04000 | -.33600 | -.33500 | 1425.00000 |
| 1.196 | 8.000 | -.04000 | .01000 | -.09000 | 2.03200 | -.09000 | .10000 | -.34400 | -.34400 | 1425.00000 |
| 1.195 | 10.040 | -.03000 | .00000 | -.01000 | 2.20800 | -.01000 | .01000 | -.34800 | -.35000 | 1425.00000 |
| 1.196 | 11.030 | -.03000 | -.01000 | -.03000 | 2.25200 | -.04000 | .03000 | -.35700 | -.35600 | 1425.00000 |
| 1.197 | 12.020 | -.02000 | -.02000 | -.05000 | 2.26500 | -.07000 | .04000 | -.36200 | -.36300 | 1425.00000 |
| 1.196 | 13.030 | -.02000 | -.04000 | -.02000 | 2.25500 | -.06000 | -.02000 | -.37600 | -.37400 | 1425.00000 |
| 1.196 | 13.990 | -.02000 | .00000 | -.04000 | 2.22900 | -.05000 | .04000 | -.38400 | -.38600 | 1425.00000 |
| 1.195 | 14.990 | -.02000 | -.03000 | -.06000 | 2.18800 | -.09000 | .02000 | -.40300 | -.40200 | 1425.00000 |
| 1.197 | 16.010 | -.02000 | -.03000 | -.05000 | 2.14000 | -.09000 | .02000 | -.41700 | -.41500 | 1425.00000 |
| 1.195 | 18.000 | -.02000 | -.03000 | -.05000 | 2.04700 | -.08000 | .02000 | -.43400 | -.43500 | 1425.00000 |
| | GRADIENT | .00403 | -.00555 | -.00103 | .35456 | -.00708 | -.00554 | .00575 | .00595 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B142) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 7.000

RUN NO. 287/ 0 RN/L = 7.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.960 | -.03000 | -9.91000 | -.03000 | -3.91800 | -9.94000 | -9.88000 | -.17200 | -.16700 | 878.50000 |
| .600 | .020 | -.02000 | -9.90000 | -.02000 | -3.23200 | -9.93000 | -9.88000 | -.17100 | -.16900 | 878.50000 |
| .599 | 2.000 | -.02000 | -9.90000 | -.03000 | -2.33400 | -9.92000 | -9.87000 | -.16000 | -.16300 | 878.50000 |
| .599 | 4.020 | -.02000 | -9.95000 | .02000 | -1.02400 | -9.93000 | -9.97000 | -.15800 | -.16200 | 878.50000 |
| .599 | 6.040 | -.03000 | -9.96000 | .01000 | .47200 | -9.95000 | -9.97000 | -.16100 | -.16200 | 878.50000 |
| .599 | 7.970 | -.01000 | -9.97000 | .01000 | 1.88900 | -9.96000 | -9.97000 | -.16000 | -.15800 | 878.50000 |
| .600 | 10.020 | -.02000 | -9.98000 | .01000 | 3.05800 | -9.97000 | -9.99000 | -.16300 | -.16100 | 878.50000 |
| .600 | 11.980 | -.02000 | -10.00000 | .02000 | 3.66400 | -9.98000 | -10.02000 | -.16200 | -.16300 | 878.50000 |
| .600 | 14.000 | -.02000 | -9.88000 | -.02000 | 3.61800 | -9.90000 | -9.86000 | -.17400 | -.17000 | 878.50000 |
| .600 | 16.000 | -.02000 | -9.89000 | .00000 | 3.22100 | -9.89000 | -9.89000 | -.18600 | -.19100 | 878.50000 |
| .600 | 17.990 | .00000 | -9.87000 | -.03000 | 2.88600 | -9.90000 | -9.84000 | -.20400 | -.20900 | 878.50000 |
| | GRADIENT | .00150 | -.00606 | .00706 | .48125 | .00200 | -.01311 | .00266 | .00105 | .00000 |

RUN NO. 257/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.990 | -.03000 | -9.95000 | .01000 | -1.36700 | -9.94000 | -9.96000 | -.38100 | -.38000 | 1446.00000 |
| 1.200 | .040 | -.03000 | -9.94000 | -.02000 | -.70600 | -9.96000 | -9.92000 | -.36400 | -.36500 | 1446.00000 |
| 1.198 | 2.030 | -.03000 | -9.93000 | .00000 | .00400 | -9.92000 | -9.93000 | -.35200 | -.35500 | 1446.00000 |
| 1.198 | 4.010 | -.02000 | -9.93000 | .00000 | .65700 | -9.93000 | -9.92000 | -.34900 | -.34900 | 1446.00000 |
| 1.196 | 5.970 | -.03000 | -9.97000 | .01000 | 1.21500 | -9.95000 | -9.98000 | -.35100 | -.35300 | 1446.00000 |
| 1.197 | 7.930 | -.04000 | -9.93000 | .01000 | 1.62600 | -9.92000 | -9.94000 | -.35700 | -.35700 | 1446.00000 |
| 1.199 | 9.990 | -.02000 | -9.92000 | -.01000 | 1.91200 | -9.93000 | -9.91000 | -.35900 | -.35900 | 1446.00000 |
| 1.199 | 12.000 | -.02000 | -9.92000 | -.01000 | 2.06700 | -9.93000 | -9.90000 | -.35800 | -.35800 | 1446.00000 |
| 1.196 | 14.000 | -.02000 | -9.92000 | -.02000 | 2.09800 | -9.94000 | -9.90000 | -.38100 | -.38100 | 1446.00000 |
| 1.200 | 16.030 | -.02000 | -9.92000 | .01000 | 2.06900 | -9.91000 | -9.92000 | -.39000 | -.39000 | 1446.00000 |
| 1.196 | 18.020 | -.02000 | -9.92000 | .01000 | 2.00900 | -9.92000 | -9.93000 | -.41100 | -.41100 | 1446.00000 |
| | GRADIENT | .00150 | .00351 | -.00052 | .33926 | .00349 | .00553 | .00541 | .00516 | .00000 |

ARC 200-1 11(LA77) OV101 (A28143) ( 05 DEC 79 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 7.000

RUN NO. 0/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -1.950 | 4.11000 | -.02000 | -.04000 | -2.20000 | -.06000 | .02000 | -.21800 | -.21400 | 878.40000 |
| .599 | .070 | 4.12000 | -.02000 | -.04000 | -.96900 | -.05000 | .02000 | -.21000 | -.21600 | 878.40000 |
| .599 | 2.050 | 4.09000 | -.01000 | -.03000 | .41500 | -.05000 | .02000 | -.21100 | -.21200 | 878.40000 |
| .599 | 4.040 | 4.12000 | -.01000 | -.04000 | 1.76900 | -.05000 | .03000 | -.21000 | -.21000 | 878.40000 |
| .599 | 6.000 | 4.13000 | -.01000 | -.04000 | 3.00300 | -.05000 | .03000 | -.21300 | -.20800 | 878.40000 |
| .599 | 8.010 | 4.18000 | -.02000 | -.05000 | 3.90700 | -.06000 | .03000 | -.20900 | -.21200 | 878.40000 |
| .600 | 10.070 | 4.19000 | -.04000 | -.17000 | 4.36400 | -.21000 | .13000 | -.21200 | -.21600 | 878.40000 |
| .599 | 12.080 | 4.20000 | -.02000 | -.05000 | 4.37400 | -.07000 | .03000 | -.21700 | -.21400 | 878.40000 |
| .600 | 14.060 | 4.21000 | -.04000 | -.03000 | 3.82100 | -.08000 | -.01000 | -.22600 | -.22200 | 878.40000 |
| .599 | 16.060 | 4.22000 | -.03000 | -.04000 | 3.29600 | -.07000 | .02000 | -.24000 | -.23800 | 878.40000 |
| .599 | 18.050 | 4.23000 | .00000 | -.06000 | 2.96200 | -.06000 | .06000 | -.26500 | -.26600 | 878.40000 |
| | GRADIENT | .00001 | .00200 | .00050 | .66613 | .00151 | .00150 | .00116 | .00080 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28144) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 7.000

RUN NO. 286/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .600 | -6.080 | 10.07000 | .01000 | -.04000 | 4.42800 | -.03000 | .05000 | -.24500 | -.24200 | 879.80000 |
| .599 | -4.070 | 10.06000 | .01000 | -.04000 | 4.40800 | -.03000 | .05000 | -.21500 | -.21600 | 879.80000 |
| .600 | -3.050 | 10.05000 | .01000 | -.04000 | 4.34400 | -.03000 | .05000 | -.20600 | -.19900 | 879.80000 |
| .600 | -2.040 | 10.04000 | .01000 | -.05000 | 4.31200 | -.04000 | .05000 | -.19900 | -.19900 | 879.80000 |
| .599 | -1.010 | 10.03000 | .00000 | -.05000 | 4.29800 | -.04000 | .05000 | -.19500 | -.19700 | 879.80000 |
| .599 | -.020 | 10.02000 | .01000 | -.05000 | 4.28700 | -.04000 | .05000 | -.19200 | -.19500 | 879.80000 |
| .600 | .980 | 10.05000 | .01000 | -.05000 | 4.28100 | -.04000 | .05000 | -.19200 | -.19300 | 879.80000 |
| .599 | 2.030 | 10.08000 | -.04000 | -.09000 | 4.27400 | -.13000 | .05000 | -.20300 | -.20200 | 879.80000 |
| .600 | 3.080 | 10.09000 | .01000 | -.05000 | 4.30300 | -.04000 | .06000 | -.20000 | -.20200 | 879.80000 |
| .600 | 4.110 | 10.08000 | -.01000 | -.06000 | 4.34100 | -.06000 | .05000 | -.21500 | -.21500 | 879.80000 |
| .599 | 6.180 | 10.06000 | .00000 | -.06000 | 4.35700 | -.06000 | .05000 | -.24000 | -.23800 | 879.80000 |
| .599 | 8.240 | 10.08000 | .00000 | -.05000 | 4.47000 | -.05000 | .05000 | -.24300 | -.24700 | 879.80000 |
| | GRADIENT | .00492 | -.00278 | -.00310 | -.00784 | -.00538 | .00049 | .00020 | -.00013 | .00000 |

ARC 200-1 II(LA77) OV101 - TO + BETA (A2B144) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 7.000

RUN NO. 259/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -6.190 | 10.07000 | .00000 | -.06000 | 2.20000 | -.06000 | .05000 | -.39600 | -.39500 | 1480.00000 |
| 1.199 | -4.150 | 10.05000 | .00000 | -.02000 | 2.20200 | -.02000 | .03000 | -.38300 | -.38400 | 1480.00000 |
| 1.201 | -3.110 | 10.04000 | -.02000 | .00000 | 2.20400 | -.02000 | -.02000 | -.37300 | -.37200 | 1480.00000 |
| 1.199 | -2.070 | 10.02000 | -.03000 | .00000 | 2.21000 | -.03000 | -.03000 | -.36400 | -.36700 | 1480.00000 |
| 1.199 | -1.020 | 10.00000 | -.03000 | -.03000 | 2.20900 | -.07000 | .00000 | -.35700 | -.35600 | 1480.00000 |
| 1.200 | -.020 | 9.98000 | -.02000 | -.04000 | 2.20400 | -.06000 | .02000 | -.35100 | -.35000 | 1480.00000 |
| 1.199 | .990 | 10.02000 | .00000 | -.06000 | 2.20900 | -.06000 | .05000 | -.34900 | -.34900 | 1480.00000 |
| 1.200 | 2.060 | 10.05000 | -.01000 | -.05000 | 2.20900 | -.06000 | .04000 | -.35700 | -.35500 | 1480.00000 |
| 1.201 | 3.090 | 10.05000 | -.01000 | -.05000 | 2.19300 | -.06000 | .04000 | -.36900 | -.36700 | 1480.00000 |
| 1.198 | 4.180 | 10.04000 | -.01000 | -.05000 | 2.17300 | -.06000 | .04000 | -.38900 | -.38800 | 1480.00000 |
| 1.199 | 6.290 | 10.03000 | -.01000 | -.07000 | 2.15400 | -.08000 | .05000 | -.39700 | -.39900 | 1480.00000 |
| 1.199 | 8.380 | 10.05000 | -.04000 | -.04000 | 2.14500 | -.07000 | .00000 | -.42000 | -.41900 | 1480.00000 |
| | GRADIENT | .00113 | .00095 | -.00641 | -.00245 | -.00530 | .00656 | .00013 | .00046 | .00000 |

ARC 200-1 II(LA77) OV101 (A2B145) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 281/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.920 | -.03000 | -.03000 | -.05000 | -1.81100 | -.08000 | .02000 | -.23000 | -.22900 | 1416.00000 |
| .901 | .070 | -.02000 | -.02000 | -.04000 | -.59200 | -.06000 | .02000 | -.22200 | -.21700 | 1416.00000 |
| .901 | 2.080 | -.02000 | -.01000 | -.02000 | .66900 | -.02000 | .01000 | -.21900 | -.22100 | 1416.00000 |
| .900 | 3.890 | -.02000 | -.02000 | -.03000 | 1.60900 | -.05000 | .01000 | -.21800 | -.22100 | 1416.00000 |
| .900 | 6.010 | -.02000 | -.02000 | -.04000 | 2.31900 | -.06000 | .02000 | -.21500 | -.21400 | 1416.00000 |
| .899 | 8.010 | -.03000 | -.03000 | -.05000 | 2.68100 | -.08000 | .02000 | -.20800 | -.21600 | 1416.00000 |
| .900 | 9.940 | -.01000 | -.05000 | -.05000 | 2.80900 | -.10000 | .00000 | -.21700 | -.21400 | 1416.00000 |
| .900 | 11.990 | -.01000 | -.12000 | -.15000 | 2.76100 | -.27000 | .02000 | -.23600 | -.23500 | 1416.00000 |
| .898 | 13.990 | -.01000 | .03000 | -.04000 | 2.62300 | -.01000 | .07000 | -.25200 | -.25500 | 1416.00000 |
| .899 | 15.960 | .00000 | -.08000 | -.07000 | 2.46800 | -.14000 | -.01000 | -.27500 | -.27500 | 1416.00000 |
| .900 | 17.930 | .00000 | .01000 | -.04000 | 2.31600 | -.04000 | .05000 | -.30600 | -.30200 | 1416.00000 |
| | GRADIENT | .00156 | .00212 | .00418 | .59319 | .00685 | -.00207 | .00202 | .00105 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B145) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 270/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.930 | -.04000 | -.03000 | .01000 | -1.54100 | -.02000 | -.04000 | -.26300 | -.26800 | 1477.00000 |
| .949 | .070 | -.03000 | -.02000 | .02000 | -.48200 | .00000 | -.04000 | -.25900 | -.25300 | 1477.00000 |
| .948 | 2.030 | -.02000 | -.02000 | .03000 | .61600 | .01000 | -.04000 | -.25700 | -.26300 | 1477.00000 |
| .949 | 3.940 | -.02000 | -.02000 | .04000 | 1.57300 | .01000 | -.06000 | -.26300 | -.27000 | 1477.00000 |
| .948 | 6.000 | -.03000 | -.02000 | -.06000 | 2.26400 | -.08000 | .04000 | -.25100 | -.25200 | 1477.00000 |
| .948 | 7.990 | -.03000 | -.02000 | -.05000 | 2.60500 | -.06000 | .03000 | -.25800 | -.26100 | 1477.00000 |
| .949 | 10.060 | .00000 | .04000 | -.04000 | 2.71700 | .00000 | .08000 | -.26800 | -.26200 | 1477.00000 |
| .949 | 12.040 | .00000 | -.02000 | -.04000 | 2.66000 | -.06000 | .02000 | -.27300 | -.26900 | 1477.00000 |
| .949 | 14.010 | .01000 | -.01000 | -.03000 | 2.53500 | -.03000 | .02000 | -.30200 | -.30100 | 1477.00000 |
| .949 | 15.950 | .03000 | .05000 | .02000 | 2.39000 | .08000 | .03000 | -.33500 | -.33200 | 1477.00000 |
| .949 | 17.950 | .04000 | -.02000 | -.06000 | 2.25200 | -.08000 | .05000 | -.37300 | -.36100 | 1477.00000 |
| | GRADIENT | .00359 | .00154 | .00511 | .53354 | .00513 | -.00304 | .00011 | -.00079 | .00000 |

RUN NO. 260/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.049 | -1.960 | -.03000 | .00000 | -.07000 | -1.16700 | -.07000 | .07000 | -.38200 | -.38200 | 1586.00000 |
| 1.048 | -.010 | -.04000 | -.03000 | -.04000 | -.37500 | -.07000 | .01000 | -.35500 | -.35500 | 1586.00000 |
| 1.045 | 2.030 | -.02000 | -.04000 | -.05000 | .49700 | -.08000 | .01000 | -.35300 | -.35500 | 1586.00000 |
| 1.047 | 3.990 | -.02000 | -.03000 | -.01000 | 1.22500 | -.04000 | -.02000 | -.35500 | -.36100 | 1586.00000 |
| 1.047 | 6.020 | -.03000 | -.03000 | -.03000 | 1.77500 | -.06000 | .01000 | -.36000 | -.36200 | 1586.00000 |
| 1.048 | 8.020 | -.04000 | -.02000 | -.04000 | 2.09100 | -.06000 | .03000 | -.36500 | -.36400 | 1586.00000 |
| 1.048 | 10.060 | -.03000 | .01000 | -.06000 | 2.26200 | -.04000 | .07000 | -.38100 | -.38200 | 1586.00000 |
| 1.049 | 11.990 | -.02000 | -.04000 | -.04000 | 2.29600 | -.08000 | .00000 | -.38900 | -.38900 | 1586.00000 |
| 1.046 | 13.950 | -.02000 | -.02000 | -.03000 | 2.24000 | -.05000 | .01000 | -.41300 | -.41300 | 1586.00000 |
| 1.047 | 15.980 | -.02000 | .00000 | -.02000 | 2.17600 | -.03000 | .02000 | -.43700 | -.43700 | 1586.00000 |
| 1.046 | 17.980 | -.02000 | .00000 | -.02000 | 2.08000 | -.02000 | .02000 | -.46500 | -.46600 | 1586.00000 |
| | GRADIENT | .00254 | -.00502 | .00851 | .40468 | .00400 | -.01353 | .00416 | .00315 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B146) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 280/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.980 | -.02000 | -9.93000 | -.05000 | -2.95800 | -9.97000 | -9.88000 | -.20500 | -.21000 | 1418.00000 |
| .899 | .080 | -.03000 | -10.28000 | -.25000 | -2.17600 | -10.53000 | -10.03000 | -.20200 | -.20400 | 1418.00000 |
| .899 | 2.090 | -.02000 | -9.91000 | -.03000 | -1.07700 | -9.94000 | -9.87000 | -.19700 | -.20000 | 1418.00000 |
| .900 | 3.750 | -.02000 | -9.92000 | -.03000 | -.00800 | -9.95000 | -9.88000 | -.19400 | -.19600 | 1418.00000 |
| .899 | 5.990 | -.03000 | -9.94000 | -.05000 | 1.33900 | -9.99000 | -9.89000 | -.19300 | -.18700 | 1418.00000 |
| .900 | 7.910 | -.03000 | -9.94000 | -.01000 | 1.97800 | -9.96000 | -9.93000 | -.19400 | -.19100 | 1418.00000 |
| .900 | 10.000 | -.01000 | -9.98000 | .03000 | 2.32800 | -9.95000 | -10.01000 | -.19800 | -.19900 | 1418.00000 |
| .900 | 11.950 | -.01000 | -9.93000 | .04000 | 2.43500 | -9.89000 | -9.97000 | -.20700 | -.21500 | 1418.00000 |
| .900 | 13.970 | -.01000 | -9.92000 | .03000 | 2.39300 | -9.89000 | -9.95000 | -.22600 | -.22700 | 1418.00000 |
| .899 | 15.960 | .00000 | -9.93000 | .03000 | 2.29200 | -9.90000 | -9.96000 | -.25500 | -.24700 | 1418.00000 |
| .899 | 17.990 | .00000 | -9.93000 | .03000 | 2.16900 | -9.90000 | -9.96000 | -.27800 | -.27600 | 1418.00000 |
| | GRADIENT | .00049 | .01984 | .01399 | .51566 | .03222 | .00795 | .00198 | .00240 | .00000 |

RUN NO. 271/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.990 | -.04000 | -9.96000 | .01000 | -2.63500 | -9.94000 | -9.97000 | -.22200 | -.23200 | 1475.00000 |
| .949 | .010 | -.03000 | -9.97000 | .00000 | -1.82000 | -9.97000 | -9.97000 | -.22400 | -.21900 | 1475.00000 |
| .950 | 1.970 | -.02000 | -9.98000 | .02000 | -.76300 | -9.96000 | -10.00000 | -.21100 | -.21700 | 1475.00000 |
| .949 | 4.030 | -.02000 | -10.00000 | .02000 | .43700 | -9.99000 | -10.02000 | -.21100 | -.21000 | 1475.00000 |
| .950 | 5.990 | -.02000 | -10.05000 | -.02000 | 1.36900 | -10.07000 | -10.03000 | -.21400 | -.21400 | 1475.00000 |
| .950 | 7.990 | -.03000 | -9.93000 | .00000 | 1.99900 | -9.92000 | -9.93000 | -.22400 | -.23200 | 1475.00000 |
| .947 | 9.980 | .00000 | -9.91000 | -.02000 | 2.32300 | -9.92000 | -9.89000 | -.22200 | -.22100 | 1475.00000 |
| .949 | 11.970 | .01000 | -9.92000 | -.02000 | 2.40800 | -9.95000 | -9.90000 | -.25100 | -.24400 | 1475.00000 |
| .950 | 13.990 | .01000 | -9.90000 | -.05000 | 2.35500 | -9.95000 | -9.85000 | -.28200 | -.27600 | 1475.00000 |
| .948 | 15.990 | .03000 | -9.89000 | .06000 | 2.26400 | -9.83000 | -9.95000 | -.31400 | -.31200 | 1475.00000 |
| .948 | 17.970 | -.03000 | -9.93000 | .14000 | 2.15200 | -9.80000 | -10.07000 | -.34300 | -.34400 | 1475.00000 |
| | GRADIENT | .00349 | -.00650 | .00249 | .51334 | -.00702 | -.00899 | .00229 | .00340 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B146) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 261/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.950 | -.04000 | -9.94000 | .01000 | -1.84300 | -9.93000 | -9.96000 | -.36400 | -.36400 | 1582.00000 |
| 1.047 | -.020 | -.03000 | -9.93000 | -.01000 | -1.17000 | -9.94000 | -9.93000 | -.35400 | -.35500 | 1582.00000 |
| 1.046 | 2.070 | -.03000 | -9.94000 | -.02000 | -.30700 | -9.96000 | -9.92000 | -.35200 | -.35000 | 1582.00000 |
| 1.046 | 3.990 | -.02000 | -9.96000 | .01000 | .47700 | -9.95000 | -9.97000 | -.35300 | -.35300 | 1582.00000 |
| 1.049 | 6.040 | -.02000 | -9.95000 | .01000 | 1.14100 | -9.94000 | -9.96000 | -.36100 | -.35800 | 1582.00000 |
| 1.047 | 8.030 | -.04000 | -9.89000 | .03000 | 1.57100 | -9.86000 | -9.91000 | -.37100 | -.36900 | 1582.00000 |
| 1.046 | 10.070 | -.02000 | -9.91000 | .00000 | 1.86800 | -9.92000 | -9.91000 | -.38000 | -.37900 | 1582.00000 |
| 1.048 | 11.940 | -.02000 | -9.92000 | -.01000 | 2.01900 | -9.93000 | -9.90000 | -.39000 | -.39200 | 1582.00000 |
| 1.047 | 14.010 | -.02000 | -9.94000 | -.02000 | 2.05500 | -9.96000 | -9.91000 | -.40300 | -.40500 | 1582.00000 |
| 1.047 | 15.970 | -.02000 | -9.95000 | -.01000 | 2.03400 | -9.96000 | -9.94000 | -.42600 | -.42600 | 1582.00000 |
| 1.048 | 17.990 | -.02000 | -9.92000 | -.03000 | 1.99800 | -9.95000 | -9.89000 | -.44700 | -.44600 | 1582.00000 |
| | GRADIENT | .00300 | -.00352 | -.00053 | .39302 | -.00405 | -.00096 | .00175 | .00191 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B147) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 272/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -1.970 | -.02000 | -10.03000 | 5.01000 | -2.46000 | -5.02000 | -15.04000 | -.24600 | -.24100 | 1474.00000 |
| .950 | .030 | -.02000 | -10.03000 | 5.00000 | -1.69600 | -5.03000 | -15.03000 | -.23700 | -.23400 | 1474.00000 |
| .948 | 1.950 | -.01000 | -10.04000 | 5.01000 | -.76500 | -5.03000 | -15.05000 | -.23200 | -.23000 | 1474.00000 |
| .948 | 3.980 | -.01000 | -10.09000 | 5.06000 | .38600 | -5.03000 | -15.15000 | -.22200 | -.22100 | 1474.00000 |
| .950 | 6.060 | -.02000 | -10.16000 | 5.11000 | 1.38000 | -5.05000 | -15.27000 | -.22300 | -.22000 | 1474.00000 |
| .949 | 8.010 | -.02000 | -10.12000 | 5.06000 | 1.97200 | -5.06000 | -15.17000 | -.23200 | -.22300 | 1474.00000 |
| .949 | 9.970 | .00000 | -10.07000 | 5.14000 | 2.28200 | -4.93000 | -15.21000 | -.23600 | -.24400 | 1474.00000 |
| .949 | 11.950 | .00000 | -10.08000 | 5.07000 | 2.38400 | -5.01000 | -15.15000 | -.26100 | -.26300 | 1474.00000 |
| .948 | 13.950 | .00000 | -10.15000 | 4.97000 | 2.33300 | -5.18000 | -15.12000 | -.27500 | -.28100 | 1474.00000 |
| .950 | 15.950 | .01000 | -10.06000 | 5.00000 | 2.25500 | -5.05000 | -15.06000 | -.32200 | -.32200 | 1474.00000 |
| .949 | 17.970 | .02000 | -10.09000 | 5.01000 | 2.14700 | -5.08000 | -15.10000 | -.36600 | -.36800 | 1474.00000 |
| | GRADIENT | .00201 | -.00964 | .00812 | .47908 | -.00152 | -.01777 | .00390 | .00324 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B147) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 262/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.970 | -.05000 | -10.02000 | 4.97000 | -1.81600 | -5.04000 | -14.99000 | -.38000 | -.37800 | 1583.00000 |
| 1.049 | -.030 | -.03000 | -10.08000 | 5.03000 | -1.15500 | -5.05000 | -15.11000 | -.37300 | -.37100 | 1583.00000 |
| 1.047 | 2.020 | -.02000 | -10.09000 | 5.03000 | -.33800 | -5.05000 | -15.12000 | -.36400 | -.36500 | 1583.00000 |
| 1.048 | 4.060 | -.02000 | -10.09000 | 5.02000 | .47600 | -5.07000 | -15.11000 | -.36900 | -.36500 | 1583.00000 |
| 1.048 | 5.970 | -.03000 | -10.12000 | 4.99000 | 1.09300 | -5.13000 | -15.10000 | -.37000 | -.37300 | 1583.00000 |
| 1.048 | 7.990 | -.04000 | -10.09000 | 4.98000 | 1.54000 | -5.11000 | -15.07000 | -.37900 | -.38000 | 1583.00000 |
| 1.048 | 9.990 | -.03000 | -10.08000 | 5.01000 | 1.83900 | [illegible] | -15.09000 | -.38500 | -.38300 | 1583.00000 |
| 1.048 | 11.930 | -.03000 | -10.10000 | 5.00000 | 1.99200 | [illegible] | -15.10000 | -.39800 | -.39700 | 1583.00000 |
| 1.047 | 14.000 | -.03000 | -10.10000 | 5.00000 | 2.03600 | -5.10000 | -15.10000 | -.42400 | -.42400 | 1583.00000 |
| 1.047 | 15.970 | -.03000 | -10.09000 | 4.99000 | 2.02200 | -5.10000 | -15.09000 | -.43600 | -.43500 | 1583.00000 |
| 1.048 | 17.990 | -.03000 | -10.10000 | 5.01000 | 1.98300 | -5.10000 | -15.11000 | -.45200 | -.45200 | 1583.00000 |
| | GRADIENT | .00494 | -.01084 | .00735 | .38215 | [illegible] | -.01818 | .00208 | .00223 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B146) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 277/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.880 | -.04000 | 9.95000 | -.12000 | -.52500 | 9.84000 | 10.07000 | -.29300 | -.29700 | 1479.00000 |
| .948 | .040 | -.04000 | 9.95000 | -.13000 | .44000 | 9.83000 | 10.08000 | -.28600 | -.29000 | 1479.00000 |
| .949 | 1.970 | -.03000 | 10.00000 | -.05000 | 1.37200 | 9.94000 | 10.05000 | -.28500 | -.28600 | 1479.00000 |
| .949 | 4.000 | -.02000 | 10.00000 | -.08000 | 2.16200 | 9.93000 | 10.08000 | -.29600 | -.29300 | 1479.00000 |
| .948 | 5.980 | -.03000 | 9.99000 | -.07000 | 2.61300 | 9.92000 | 10.06000 | -.28900 | -.28900 | 1479.00000 |
| .948 | 8.010 | -.03000 | 10.00000 | -.08000 | 2.81600 | 9.92000 | 10.08000 | -.28700 | -.29000 | 1479.00000 |
| .949 | 9.990 | -.01000 | 9.96000 | -.06000 | 2.80800 | 9.90000 | 10.02000 | -.29100 | -.29900 | 1479.00000 |
| .949 | 11.960 | .00000 | 9.97000 | -.08000 | 2.70100 | 9.88000 | 10.05000 | -.32700 | -.32100 | 1479.00000 |
| .947 | 13.880 | .01000 | 9.95000 | -.09000 | 2.55400 | 9.86000 | 10.05000 | -.34000 | -.33300 | 1479.00000 |
| .950 | 16.000 | .03000 | 9.93000 | -.10000 | 2.33700 | 9.84000 | 10.03000 | -.36700 | -.37700 | 1479.00000 |
| .949 | 17.970 | .04000 | 9.90000 | -.08000 | 2.19900 | 9.82000 | 9.98000 | -.41700 | -.40600 | 1479.00000 |
| | GRADIENT | .00359 | .01019 | .01014 | .45917 | .01936 | .00005 | -.00044 | .00080 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B148) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 267/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.800 | -.04000 | 9.83000 | -.09000 | -.36900 | 9.74000 | 9.92000 | -.41400 | -.41500 | 1584.00000 |
| 1.048 | .080 | -.04000 | 9.77000 | -.06000 | .38500 | 9.71000 | 9.84000 | -.39100 | -.39100 | 1584.00000 |
| 1.047 | 2.040 | -.03000 | 9.79000 | -.09000 | 1.12300 | 9.70000 | 9.88000 | -.38200 | -.37900 | 1584.00000 |
| 1.049 | 3.970 | -.03000 | 9.74000 | -.09000 | 1.68900 | 9.65000 | 9.83000 | -.37500 | -.37600 | 1584.00000 |
| 1.048 | 6.020 | -.02000 | 9.81000 | -.07000 | 2.10500 | 9.73000 | 9.88000 | -.38100 | -.37800 | 1584.00000 |
| 1.048 | 8.050 | -.04000 | 9.77000 | -.06000 | 2.32500 | 9.71000 | 9.83000 | -.38900 | -.38800 | 1584.00000 |
| 1.047 | 10.010 | -.02000 | 9.81000 | -.09000 | 2.40600 | 9.72000 | 9.90000 | -.40100 | -.40200 | 1584.00000 |
| 1.048 | 11.980 | -.02000 | 9.80000 | -.09000 | 2.38100 | 9.71000 | 9.89000 | -.41700 | -.41900 | 1584.00000 |
| 1.048 | 14.040 | -.02000 | 9.77000 | -.09000 | 2.29300 | 9.68000 | 9.86000 | -.44300 | -.44400 | 1584.00000 |
| 1.047 | 16.020 | -.02000 | 9.78000 | -.11000 | 2.17200 | 9.67000 | 9.89000 | -.47100 | -.47300 | 1584.00000 |
| 1.047 | 17.920 | -.02000 | 9.77000 | -.03000 | 2.06200 | 9.74000 | 9.80000 | -.49800 | -.50000 | 1584.00000 |
| | GRADIENT | .00208 | -.01292 | -.00160 | .35859 | -.01453 | -.01185 | .00652 | .00668 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B149) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 276/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.890 | 4.16000 | 10.01000 | -.07000 | -.54800 | 9.94000 | 10.08000 | -.31300 | -.31100 | 1478.00000 |
| .950 | .060 | 4.16000 | 10.01000 | -.07000 | .42000 | 9.94000 | 10.08000 | -.31700 | -.32000 | 1478.00000 |
| .949 | 2.020 | 4.16000 | 9.99000 | -.07000 | 1.36600 | 9.92000 | 10.05000 | -.30300 | -.30300 | 1478.00000 |
| .949 | 4.000 | 4.18000 | 9.96000 | -.07000 | 2.12200 | 9.89000 | 10.03000 | -.30700 | -.30500 | 1478.00000 |
| .949 | 5.970 | 4.18000 | 9.94000 | -.06000 | 2.60800 | 9.89000 | 10.00000 | -.30200 | -.30100 | 1478.00000 |
| .950 | 8.030 | 4.21000 | 9.96000 | -.08000 | 2.81400 | 9.88000 | 10.03000 | -.31400 | -.32100 | 1478.00000 |
| .949 | 9.990 | 4.27000 | 9.95000 | -.08000 | 2.83300 | 9.87000 | 10.03000 | -.33500 | -.33900 | 1478.00000 |
| .947 | 11.990 | 4.27000 | 9.98000 | -.06000 | 2.72200 | 9.91000 | 10.04000 | -.34100 | -.33800 | 1478.00000 |
| .950 | 14.030 | 4.28000 | 9.93000 | -.05000 | 2.52800 | 9.89000 | 9.98000 | -.37600 | -.38400 | 1478.00000 |
| .949 | 16.090 | 4.30000 | 9.91000 | -.04000 | 2.36700 | 9.87000 | 9.95000 | -.41600 | -.42300 | 1478.00000 |
| .950 | 18.000 | 4.30000 | 9.95000 | -.03000 | 2.19600 | 9.92000 | 9.99000 | -.43000 | -.43300 | 1478.00000 |
| | GRADIENT | .00306 | -.00867 | .00000 | .45615 | -.00867 | -.00918 | .00163 | .00178 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B149) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 266/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -2.010 | 4.18000 | 9.78000 | -.08000 | -.46400 | 9.71000 | 9.86000 | -.44800 | -.44500 | 1585.00000 |
| 1.048 | .010 | 4.17000 | 9.80000 | -.08000 | .30300 | 9.72000 | 9.88000 | -.43300 | -.43300 | 1585.00000 |
| 1.048 | 2.040 | 4.17000 | 9.79000 | -.07000 | 1.06900 | 9.72000 | 9.86000 | -.42700 | -.42600 | 1585.00000 |
| 1.047 | 4.040 | 4.20000 | 9.81000 | -.10000 | 1.66200 | 9.71000 | 9.91000 | -.41900 | -.42000 | 1585.00000 |
| 1.049 | 5.970 | 4.20000 | 9.79000 | -.06000 | 2.06700 | 9.73000 | 9.85000 | -.4180[illegible] | -.41700 | 1585.00000 |
| 1.046 | 8.030 | 4.22000 | 9.79000 | -.09000 | 2.29100 | 9.70000 | 9.89000 | -.4300[illegible] | -.43100 | 1585.00000 |
| 1.048 | 10.000 | 4.25000 | 9.83000 | -.07000 | 2.37600 | 9.76000 | 9.89000 | -.44200 | -.44000 | 1585.00000 |
| 1.048 | 11.980 | 4.30000 | 9.80000 | -.06000 | 2.35000 | 9.73000 | 9.86000 | -.45400 | -.45400 | 1585.00000 |
| 1.047 | 14.100 | 4.32000 | 9.77000 | -.07000 | 2.27000 | 9.70000 | 9.84000 | -.47000 | -.47200 | 1585.00000 |
| 1.046 | 16.080 | 4.33000 | 9.77000 | -.09000 | 2.17200 | 9.68000 | 9.86000 | -.48300 | -.48300 | 1585.00000 |
| 1.047 | 17.970 | 4.35000 | 9.75000 | -.10000 | 2.05800 | 9.66000 | 9.85000 | -.50300 | -.50700 | 1585.00000 |
| | GRADIENT | .00296 | .00396 | -.00247 | .35407 | .00000 | .00642 | .00461 | .00406 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B150) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 282/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.910 | -4.25000 | -.01000 | -.03000 | -1.74500 | -.04000 | .02000 | -.25600 | -.25100 | 1418.00000 |
| .901 | .080 | -4.24000 | -.01000 | -.04000 | -.54300 | -.05000 | .03000 | -.25200 | -.25500 | 1418.00000 |
| .899 | 2.070 | -4.24000 | -.03000 | -.05000 | .70600 | -.07000 | .02000 | -.24500 | -.24700 | 1418.00000 |
| .899 | 4.050 | -4.23000 | -.03000 | -.06000 | 1.75000 | -.10000 | .03000 | -.24000 | -.24500 | 1418.00000 |
| .899 | 5.970 | -4.24000 | -.03000 | -.05000 | 2.39900 | -.08000 | .03000 | -.24000 | -.24300 | 1418.00000 |
| .901 | 8.090 | -4.22000 | -.02000 | -.06000 | 2.73800 | -.07000 | .04000 | -.24000 | -.23900 | 1418.00000 |
| .898 | 10.010 | -4.18000 | -.06000 | -.04000 | 2.83200 | -.10000 | -.02000 | -.23200 | -.23600 | 1418.00000 |
| .900 | 12.060 | -4.19000 | .01000 | -.05000 | 2.73800 | -.04000 | .07000 | -.25200 | -.24500 | 1418.00000 |
| .900 | 14.050 | -4.19000 | -.12000 | -.02000 | 2.62200 | -.13000 | -.10000 | -.26500 | -.26800 | 1418.00000 |
| .901 | 16.110 | -4.22000 | -.01000 | -.08000 | 2.48100 | -.09000 | .07000 | -.28100 | -.28400 | 1418.00000 |
| .900 | 18.120 | -4.19000 | -.07000 | -.09000 | 2.32100 | -.16000 | .02000 | -.30000 | -.29500 | 1418.00000 |
| | GRADIENT | .00302 | -.00403 | -.00503 | .59056 | -.01006 | .00101 | .00277 | .00131 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B150) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 275/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.950 | 4.16000 | -.02000 | -.05000 | -1.58300 | -.06000 | .03000 | -.28900 | -.29300 | 1477.00000 |
| .951 | .060 | 4.19000 | -.03000 | -.04000 | -.55000 | -.07000 | .02000 | -.28200 | -.27700 | 1477.00000 |
| .949 | 2.090 | 4.18000 | -.04000 | -.05000 | .56200 | -.08000 | .01000 | -.26400 | -.26900 | 1477.00000 |
| .949 | 3.980 | 4.18000 | -.07000 | -.07000 | 1.50000 | -.14000 | .00000 | -.27600 | -.27700 | 1477.00000 |
| .950 | 6.010 | 4.20000 | -.02000 | -.04000 | 2.17600 | -.06000 | .02000 | -.27000 | -.26500 | 1477.00000 |
| .951 | 8.040 | 4.22000 | -.05000 | -.03000 | 2.56000 | -.08000 | -.03000 | -.27700 | -.27800 | 1477.00000 |
| .947 | 10.050 | 4.23000 | .00000 | -.03000 | 2.72400 | -.03000 | .03000 | -.28200 | -.29500 | 1477.00000 |
| .948 | 11.990 | 4.27000 | .03000 | -.05000 | 2.67900 | -.02000 | .08000 | -.30000 | -.30400 | 1477.00000 |
| .951 | 14.000 | 4.29000 | -.02000 | -.04000 | 2.53900 | -.06000 | .03000 | -.34400 | -.33200 | 1477.00000 |
| .949 | 16.040 | 4.29000 | -.05000 | -.02000 | 2.40000 | -.07000 | -.03000 | -.35800 | -.35800 | 1477.00000 |
| .949 | 18.020 | 4.29000 | -.01000 | -.05000 | 2.26600 | -.06000 | .05000 | -.38600 | -.38700 | 1477.00000 |
| | GRADIENT | .00255 | -.00803 | -.00349 | .52287 | -.01251 | -.00504 | .00292 | .00286 | .00000 |

RUN NO. 265/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -1.860 | 4.17000 | -.01000 | -.05000 | -1.13100 | -.06000 | .04000 | -.41500 | -.41400 | 1583.00000 |
| 1.049 | .090 | 4.20000 | .00000 | -.04000 | -.35800 | -.05000 | .04000 | -.40200 | -.40600 | 1583.00000 |
| 1.047 | 2.140 | 4.19000 | .00000 | -.04000 | .49800 | -.04000 | .04000 | -.39900 | -.39700 | 1583.00000 |
| 1.047 | 3.990 | 4.20000 | -.01000 | -.05000 | 1.19000 | -.06000 | .04000 | -.39200 | -.39300 | 1583.00000 |
| 1.047 | 6.080 | 4.21000 | .02000 | -.03000 | 1.73800 | -.01000 | .05000 | -.39800 | -.39700 | 1583.00000 |
| 1.048 | 7.960 | 4.22000 | -.03000 | -.06000 | 2.02700 | -.09000 | .03000 | -.40900 | -.41100 | 1583.00000 |
| 1.047 | 9.980 | 4.25000 | -.03000 | -.07000 | 2.21300 | -.09000 | .04000 | -.42000 | .00000 | 1583.00000 |
| 1.048 | 12.040 | 4.29000 | -.01000 | -.04000 | 2.26800 | -.05000 | .03000 | -.42500 | -.42200 | 1583.00000 |
| 1.047 | 14.020 | 4.32000 | -.01000 | -.03000 | 2.23700 | -.04000 | .02000 | -.43900 | -.43800 | 1583.00000 |
| 1.046 | 16.030 | 4.33000 | -.02000 | -.05000 | 2.17000 | -.07000 | .03000 | -.45300 | -.45200 | 1583.00000 |
| 1.047 | 18.050 | 4.35000 | .00000 | -.02000 | 2.08100 | -.01000 | .02000 | -.47500 | -.47500 | 1583.00000 |
| | GRADIENT | .00406 | .00003 | .00003 | .39908 | .00057 | .00000 | .00367 | .00368 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B151) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 274/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -1.980 | 4.19000 | -9.96000 | .01000 | -2.64900 | -9.96000 | -9.97000 | -.27200 | -.27500 | 1475.00000 |
| .949 | .010 | 4.19000 | -9.97000 | .01000 | -1.84700 | -9.96000 | -9.99000 | -.26400 | -.26500 | 1475.00000 |
| .950 | 1.970 | 4.20000 | -9.97000 | .01000 | -.80600 | -9.96000 | -9.98000 | -.25700 | -.26000 | 1475.00000 |
| .949 | 3.980 | 4.20000 | -9.98000 | .01000 | .36000 | -9.98000 | -9.99000 | -.25000 | -.25100 | 1475.00000 |
| .950 | 6.070 | 4.20000 | -9.84000 | .07000 | 1.41000 | -9.77000 | -9.91000 | -.25200 | -.25100 | 1475.00000 |
| .949 | 8.040 | 4.24000 | -9.94000 | -.02000 | 1.98500 | -9.96000 | -9.92000 | -.25400 | -.25700 | 1475.00000 |
| .950 | 9.990 | 4.23000 | -9.97000 | -.02000 | 2.32800 | -9.99000 | -9.94000 | -.27600 | -.27400 | 1475.00000 |
| .948 | 11.990 | 4.27000 | -9.94000 | .01000 | 2.44100 | -9.93000 | -9.94000 | -.28200 | -.28500 | 1475.00000 |
| .948 | 14.010 | 4.29000 | -9.93000 | .01000 | 2.36900 | -9.92000 | -9.94000 | -.29800 | -.29800 | 1475.00000 |
| .951 | 16.090 | 4.29000 | -9.89000 | -.03000 | 2.26300 | -9.92000 | -9.86000 | -.34600 | -.34900 | 1475.00000 |
| .950 | 18.060 | 4.30000 | -9.93000 | .02000 | 2.16900 | -9.91000 | -9.95000 | -.35400 | -.34900 | 1475.00000 |
| | GRADIENT | .00201 | -.00303 | .00000 | .50752 | -.00303 | -.00253 | .00368 | .00388 | .00000 |

RUN NO. 264/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.980 | 4.18000 | -9.95000 | .04000 | -1.85100 | -9.91000 | -9.99000 | -.40900 | -.40900 | 1583.00000 |
| 1.049 | -.020 | 4.21000 | -9.95000 | .03000 | -1.20200 | -9.92000 | -9.99000 | -.40100 | -.40000 | 1583.00000 |
| 1.047 | 2.040 | 4.21000 | -9.90000 | -.02000 | -.35400 | -9.92000 | -9.88000 | -.39900 | -.39900 | 1583.00000 |
| 1.047 | 4.040 | 4.21000 | -9.88000 | -.02000 | .44900 | -9.90000 | -9.86000 | -.40400 | -.40300 | 1583.00000 |
| 1.046 | 5.990 | 4.21000 | -9.93000 | .02000 | 1.06400 | -9.91000 | -9.95000 | -.41300 | -.41200 | 1583.00000 |
| 1.049 | 8.030 | 4.24000 | -9.89000 | -.01000 | 1.50800 | -9.90000 | -9.88000 | -.42500 | -.42100 | 1583.00000 |
| 1.046 | 10.010 | 4.27000 | -9.89000 | .00000 | 1.83300 | -9.90000 | -9.89000 | -.43200 | -.43200 | 1583.00000 |
| 1.048 | 11.980 | 4.29000 | -9.89000 | -.01000 | 1.98800 | -9.90000 | -9.88000 | -.43900 | -.43600 | 1583.00000 |
| 1.047 | 14.080 | 4.32000 | -9.90000 | .01000 | 2.04200 | -9.89000 | -9.91000 | -.44200 | -.44300 | 1583.00000 |
| 1.046 | 16.110 | 4.33000 | -9.87000 | .00000 | 2.03400 | -9.88000 | -9.87000 | -.44600 | -.44400 | 1583.00000 |
| 1.047 | 18.030 | 4.35000 | -9.92000 | .02000 | 2.00600 | -9.90000 | -9.94000 | -.46500 | -.46400 | 1583.00000 |
| | GRADIENT | .00445 | .01296 | -.01146 | .38523 | .00150 | .02494 | .00084 | .00094 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B152) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 273/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -2.010 | 4.19000 | -10.06000 | 4.96000 | -2.49000 | -5.10000 | -15.03000 | -.28500 | -.28800 | 1474.00000 |
| .950 | .030 | 4.20000 | -10.06000 | 4.96000 | -1.71400 | -5.10000 | -15.01000 | -.27900 | -.27900 | 1474.00000 |
| .948 | 2.050 | 4.20000 | -10.08000 | 4.98000 | -.74500 | -5.10000 | -15.06000 | -.29000 | -.28200 | 1474.00000 |
| .950 | 3.980 | 4.21000 | -10.09000 | 4.98000 | .33700 | -5.11000 | -15.06000 | -.28000 | -.28000 | 1474.00000 |
| .950 | 6.070 | 4.21000 | -10.15000 | 4.97000 | 1.36500 | -5.17000 | -15.12000 | -.26700 | -.26500 | 1474.00000 |
| .950 | 8.030 | 4.25000 | -10.07000 | 4.99000 | 1.98400 | -5.09000 | -15.06000 | -.27700 | -.28300 | 1474.00000 |
| .947 | 9.970 | 4.24000 | -10.11000 | 5.02000 | 2.28800 | -5.09000 | -15.13000 | -.27900 | -.28500 | 1474.00000 |
| .950 | 12.010 | 4.27000 | -10.10000 | 5.01000 | 2.41000 | -5.10000 | -15.11000 | -.28700 | -.29800 | 1474.00000 |
| .951 | 13.960 | 4.28000 | -10.08000 | 5.03000 | 2.37000 | -5.06000 | -15.11000 | -.31800 | -.32100 | 1474.00000 |
| .950 | 15.980 | 4.28000 | -10.08000 | 5.00000 | 2.26400 | -5.08000 | -15.08000 | -.35500 | -.35700 | 1474.00000 |
| .947 | 17.980 | 4.28000 | -10.09000 | 5.01000 | 2.15600 | -5.08000 | -15.10000 | -.37600 | -.36600 | 1474.00000 |
| | GRADIENT | .00300 | -.00549 | .00401 | .47225 | -.00149 | -.00700 | .00019 | .00106 | .00000 |

RUN NO. 263/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -1.990 | 4.18000 | -10.08000 | 5.01000 | -1.80900 | -5.07000 | -15.09000 | -.42100 | -.42100 | 1583.00000 |
| 1.049 | .080 | 4.21000 | -10.09000 | 5.01000 | -1.17500 | -5.07000 | -15.10000 | -.41100 | -.41000 | 1583.00000 |
| 1.048 | 2.020 | 4.21000 | -10.08000 | 4.99000 | -.39900 | -5.10000 | -15.07000 | -.40800 | -.40700 | 1583.00000 |
| 1.048 | 4.000 | 4.21000 | -10.13000 | 4.98000 | .38600 | -5.15000 | -15.11000 | -.40800 | -.40700 | 1583.00000 |
| 1.047 | 5.980 | 4.22000 | -10.09000 | 5.01000 | 1.01800 | -5.09000 | -15.10000 | -.41400 | -.41300 | 1583.00000 |
| 1.047 | 7.970 | 4.24000 | -10.10000 | 5.02000 | 1.45600 | -5.08000 | -15.12000 | -.42700 | -.42900 | 1583.00000 |
| 1.047 | 10.100 | 4.25000 | -10.10000 | 5.02000 | 1.80200 | -5.08000 | -15.11000 | -.44000 | -.44000 | 1583.00000 |
| 1.047 | 11.970 | 4.28000 | -10.10000 | 5.02000 | 1.96500 | -5.08000 | -15.12000 | -.44200 | -.44200 | 1583.00000 |
| 1.046 | 14.080 | 4.31000 | -10.08000 | 5.01000 | 2.01400 | -5.07000 | -15.09000 | -.45100 | -.45100 | 1583.00000 |
| 1.048 | 16.030 | 4.32000 | -10.08000 | 4.99000 | 2.01600 | -5.08000 | -15.07000 | -.45800 | -.45700 | 1583.00000 |
| 1.046 | 18.010 | 4.35000 | -10.05000 | 5.00000 | 1.97200 | -5.05000 | -15.05000 | -.48000 | -.47900 | 1583.00000 |
| | GRADIENT | .00457 | -.00702 | -.00550 | .36942 | -.01350 | -.00152 | .00212 | .00227 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B153) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 279/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.310 | 5.03000 | -9.95000 | .01000 | .97500 | -9.94000 | -9.95000 | -.28200 | -.28600 | 1478.00000 |
| .949 | -4.230 | 5.00000 | -9.95000 | .01000 | .97800 | -9.94000 | -9.95000 | -.24800 | -.24900 | 1478.00000 |
| .952 | -3.180 | 5.00000 | -9.95000 | .01000 | .96500 | -9.94000 | -9.96000 | -.23100 | -.23100 | 1478.00000 |
| .948 | -2.120 | 5.02000 | -9.95000 | .01000 | .97100 | -9.94000 | -9.96000 | -.22800 | -.22000 | 1478.00000 |
| .951 | -1.070 | 4.99000 | -9.95000 | .01000 | .96000 | -9.94000 | -9.96000 | -.21800 | -.22900 | 1478.00000 |
| .949 | .000 | 4.97000 | -9.92000 | -.01000 | .95500 | -9.93000 | -9.92000 | -.22300 | -.21800 | 1478.00000 |
| .950 | 1.020 | 5.03000 | -9.92000 | -.01000 | .95600 | -9.93000 | -9.92000 | -.22800 | -.22400 | 1478.00000 |
| .949 | 2.060 | 5.02000 | -9.92000 | .00000 | .94500 | -9.93000 | -9.92000 | -.24000 | -.22000 | 1478.00000 |
| .950 | 3.120 | 5.00000 | -9.92000 | .00000 | .92800 | -9.92000 | -9.93000 | -.23900 | -.24400 | 1478.00000 |
| .948 | 4.170 | 4.99000 | -9.92000 | .00000 | .90200 | -9.92000 | -9.92000 | -.25200 | -.25400 | 1478.00000 |
| .950 | 6.260 | 4.97000 | -9.92000 | .01000 | .86900 | -9.91000 | -9.93000 | -.28800 | -.28900 | 1478.00000 |
| .948 | 8.350 | 4.99000 | -9.91000 | .00000 | .83600 | -9.91000 | -9.91000 | -.30600 | -.31300 | 1478.00000 |
| | GRADIENT | -.00002 | .00477 | -.00175 | -.00748 | .00270 | .00525 | -.00117 | -.00085 | -.00000 |

RUN NO. 269/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -6.330 | 4.95000 | -9.97000 | .00000 | .79700 | -9.97000 | -9.96000 | -.41400 | -.41500 | 1582.00000 |
| 1.048 | -4.250 | 5.01000 | -9.95000 | .02000 | .82700 | -9.92000 | -9.97000 | -.39600 | -.39200 | 1582.00000 |
| 1.048 | -3.200 | 5.00000 | -9.95000 | .02000 | .82500 | -9.92000 | -9.97000 | -.38000 | -.38100 | 1582.00000 |
| 1.049 | -2.140 | 5.00000 | -9.95000 | .04000 | .81800 | -9.92000 | -9.99000 | -.36800 | -.37000 | 1582.00000 |
| 1.046 | -1.090 | 4.98000 | -9.95000 | .04000 | .81200 | -9.91000 | -9.99000 | -.35800 | -.35900 | 1582.00000 |
| 1.047 | .000 | 4.98000 | -9.96000 | .04000 | .81500 | -9.91000 | -10.00000 | -.35300 | -.35400 | 1582.00000 |
| 1.048 | 1.010 | 5.02000 | -9.95000 | .05000 | .81800 | -9.91000 | -10.00000 | -.36400 | -.36500 | 1582.00000 |
| 1.046 | 2.080 | 5.01000 | -9.95000 | .05000 | .79900 | -9.91000 | -10.00000 | -.38300 | -.38100 | 1582.00000 |
| 1.049 | 3.100 | 5.02000 | -9.95000 | .05000 | .80200 | -9.90000 | -10.00000 | -.39800 | -.39900 | 1582.00000 |
| 1.047 | 4.170 | 5.00000 | -9.95000 | .05000 | .77300 | -9.90000 | -10.00000 | -.40600 | -.40700 | 1582.00000 |
| 1.049 | 6.250 | 5.00000 | -9.96000 | .06000 | .76400 | -9.90000 | -10.02000 | -.42000 | -.42000 | 1582.00000 |
| 1.048 | 8.360 | 5.02000 | -9.96000 | .05000 | .76200 | -9.90000 | -10.01000 | -.43800 | -.44000 | 1582.00000 |
| | GRADIENT | .00125 | -.00001 | .00380 | -.00502 | .00253 | -.00381 | -.00204 | -.00223 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B154) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 283/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -6.310 | 5.08000 | -.03000 | -.04000 | 2.11800 | -.07000 | .01000 | -.25200 | -.25700 | 1420.00000 |
| .899 | -4.230 | 5.06000 | -.02000 | -.06000 | 2.15000 | -.07000 | .04000 | -.24000 | -.23800 | 1420.00000 |
| .900 | -3.190 | 5.04000 | -.01000 | -.06000 | 2.12800 | -.07000 | .05000 | -.23300 | -.23000 | 1420.00000 |
| .899 | -2.130 | 5.05000 | .00000 | -.08000 | 2.08500 | -.09000 | .08000 | -.21900 | -.22600 | 1420.00000 |
| .900 | -1.080 | 5.01000 | -.05000 | -.07000 | 2.04600 | -.12000 | .02000 | -.21800 | -.21500 | 1420.00000 |
| .900 | -.010 | 5.01000 | -.01000 | .00000 | 2.01700 | -.01000 | -.01000 | -.22000 | -.22000 | 1420.00000 |
| .900 | 1.010 | 5.05000 | -.04000 | -.05000 | 2.04900 | -.09000 | .01000 | -.21500 | -.21300 | 1420.00000 |
| .901 | 2.070 | 5.03000 | -.04000 | -.05000 | 2.07100 | -.10000 | .01000 | -.22400 | -.22000 | 1420.00000 |
| .900 | 3.100 | 5.03000 | -.05000 | -.06000 | 2.07400 | -.11000 | .01000 | -.22600 | -.22400 | 1420.00000 |
| .900 | 4.170 | 5.01000 | -.04000 | -.05000 | 2.07400 | -.09000 | .01000 | -.23300 | -.23100 | 1420.00000 |
| .900 | 6.260 | 4.99000 | -.04000 | -.05000 | 2.04300 | -.08000 | .01000 | -.25000 | -.24800 | 1420.00000 |
| .898 | 8.350 | 5.01000 | -.03000 | -.05000 | 1.99800 | -.08000 | .03000 | -.28800 | -.28600 | 1420.00000 |
| | GRADIENT | -.00367 | -.00428 | .00193 | -.00782 | -.00299 | -.00621 | .00067 | .00095 | -.00000 |

RUN NO. 278/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.290 | 5.07000 | -.03000 | .02000 | 1.90500 | -.01000 | -.05000 | -.29200 | -.29100 | 1477.00000 |
| .949 | -4.220 | 5.03000 | -.05000 | -.01000 | 1.96300 | -.06000 | -.03000 | -.27400 | -.27900 | 1477.00000 |
| .948 | -3.180 | 5.02000 | -.02000 | -.05000 | 1.98600 | -.07000 | .03000 | -.26700 | -.26300 | 1477.00000 |
| .952 | -2.120 | 5.04000 | -.02000 | -.06000 | 1.96900 | -.08000 | .04000 | -.26200 | -.26100 | 1477.00000 |
| .947 | -1.080 | 5.02000 | -.02000 | -.06000 | 1.97800 | -.09000 | .04000 | -.26100 | -.26100 | 1477.00000 |
| .949 | .000 | 5.00000 | .00000 | -.08000 | 1.96000 | -.08000 | .07000 | -.25400 | -.24700 | 1477.00000 |
| .950 | 1.000 | 5.03000 | .01000 | -.04000 | 1.99600 | -.03000 | .04000 | -.26800 | -.26900 | 1477.00000 |
| .950 | 2.050 | 5.03000 | -.03000 | -.01000 | 1.97300 | -.04000 | -.01000 | -.26300 | -.26800 | 1477.00000 |
| .943 | 3.080 | 5.02000 | -.02000 | -.03000 | 1.96800 | -.05000 | .01000 | -.26900 | -.27600 | 1477.00000 |
| .949 | 4.140 | 5.01000 | -.02000 | -.03000 | 1.91300 | -.06000 | .01000 | -.27700 | -.28300 | 1477.00000 |
| .949 | 6.230 | 4.99000 | -.03000 | -.05000 | 1.82600 | -.08000 | .02000 | -.30500 | -.31500 | 1477.00000 |
| .946 | 8.330 | 5.00000 | -.03000 | -.06000 | 1.74800 | -.10000 | .03000 | -.33400 | -.32700 | 1477.00000 |
| | GRADIENT | -.00145 | .00209 | .00157 | -.00365 | .00318 | .00003 | -.00042 | -.00121 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B154) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -11.700
RN/L = 8.000

RUN NO. 268/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -6.310 | 5.13000 | .01000 | -.06000 | 1.56000 | -.05000 | .08000 | -.42100 | -.42200 | 1584.00000 |
| 1.048 | -4.240 | 4.98000 | .00000 | -.06000 | 1.52600 | -.06000 | .05000 | -.38800 | -.38900 | 1584.00000 |
| 1.049 | -3.190 | 4.97000 | -.01000 | -.05000 | 1.52800 | -.06000 | .04000 | -.37900 | -.37600 | 1584.00000 |
| 1.047 | -2.130 | 4.97000 | -.02000 | -.05000 | 1.52400 | -.07000 | .03000 | -.36900 | -.37000 | 1584.00000 |
| 1.047 | -1.080 | 4.94000 | -.02000 | -.05000 | 1.51900 | -.07000 | .04000 | -.36400 | -.36200 | 1584.00000 |
| 1.047 | .000 | 4.94000 | -.01000 | -.05000 | 1.52200 | -.06000 | .04000 | -.35600 | -.35800 | 1584.00000 |
| 1.048 | 1.010 | 4.97000 | -.01000 | -.06000 | 1.52000 | -.07000 | .05000 | -.35700 | -.35600 | 1584.00000 |
| 1.048 | 2.080 | 4.96000 | .00000 | -.06000 | 1.51300 | -.07000 | .06000 | -.36400 | -.36500 | 1584.00000 |
| 1.048 | 3.110 | 4.97000 | .00000 | -.07000 | 1.50700 | -.06000 | .07000 | -.38000 | -.37900 | 1584.00000 |
| 1.046 | 4.150 | 4.97000 | .00000 | -.06000 | 1.48500 | -.06000 | .06000 | -.39400 | -.39400 | 1584.00000 |
| 1.048 | 6.260 | 4.96000 | .00000 | -.08000 | 1.46800 | -.08000 | .09000 | -.42700 | -.42700 | 1584.00000 |
| 1.049 | 8.360 | 4.99000 | .00000 | .00000 | 1.44900 | .00000 | .01000 | -.45300 | -.45300 | 1584.00000 |
| | GRADIENT | -.00050 | .00127 | -.00142 | -.00393 | -.00000 | .00317 | -.00014 | -.00019 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B155) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 311/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -2.010 | -.02000 | -.01000 | -.02000 | -1.15400 | -.03000 | .01000 | -.24400 | -.24500 | 864.40000 |
| .597 | -.090 | -.02000 | -.02000 | -.02000 | .12700 | -.04000 | .01000 | -.24500 | -.24600 | 864.40000 |
| .597 | 1.950 | -.02000 | -.03000 | -.04000 | 1.47300 | -.07000 | .01000 | -.24200 | -.24100 | 864.40000 |
| .597 | 3.970 | -.02000 | -.03000 | -.06000 | 2.71700 | -.09000 | .03000 | -.24300 | -.24300 | 864.40000 |
| .596 | 5.940 | -.02000 | .00000 | -.04000 | 3.65900 | -.05000 | .04000 | -.24100 | -.24100 | 864.40000 |
| .597 | 7.920 | -.03000 | -.03000 | -.05000 | 4.26100 | -.09000 | .02000 | -.23900 | -.23800 | 864.40000 |
| .596 | 9.970 | -.02000 | -.02000 | -.03000 | 4.48900 | -.06000 | .01000 | -.24600 | -.24600 | 864.40000 |
| .596 | 11.970 | -.02000 | -.02000 | -.05000 | 4.37800 | -.07000 | .04000 | -.24700 | -.24900 | 864.40000 |
| .596 | 13.910 | -.02000 | -.01000 | -.06000 | 3.83400 | -.07000 | .05000 | -.25700 | -.26000 | 864.40000 |
| .597 | 15.960 | -.01000 | -.01000 | -.03000 | 3.29800 | -.04000 | .02000 | -.27500 | -.27100 | 864.40000 |
| .597 | 17.990 | .00000 | -.02000 | -.05000 | 2.87100 | -.07000 | .04000 | -.28800 | -.28500 | 864.40000 |
| | GRADIENT | .00000 | -.00349 | -.00704 | .64850 | -.01053 | .00302 | .00030 | .00055 | .00000 |

ARC 200-1 11(LA77) OV101 (A28155) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 289/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.890 | -.02000 | .00000 | -.08000 | -.59500 | -.08000 | .09000 | -.38800 | -.38900 | 1426.00000 |
| 1.199 | .010 | -.02000 | .01000 | -.10000 | .12700 | -.09000 | .11000 | -.37300 | -.37300 | 1426.00000 |
| 1.197 | 2.020 | -.02000 | -.11000 | -.05000 | .83300 | -.16000 | -.07000 | -.37200 | -.37300 | 1426.00000 |
| 1.198 | 3.950 | -.02000 | .05000 | -.10000 | 1.39100 | -.04000 | .15000 | -.37600 | -.37500 | 1426.00000 |
| 1.198 | 5.950 | -.03000 | -.10000 | -.06000 | 1.80200 | -.16000 | -.04000 | -.38200 | -.38100 | 1426.00000 |
| 1.197 | 7.950 | -.04000 | -.03000 | -.05000 | 2.05800 | -.09000 | .02000 | -.39400 | -.39100 | 1426.00000 |
| 1.198 | 9.930 | -.02000 | -.04000 | -.05000 | 2.19300 | -.09000 | .01000 | -.40600 | -.40600 | 1426.00000 |
| 1.198 | 11.910 | -.02000 | -.03000 | -.07000 | 2.24000 | -.09000 | .04000 | -.41600 | -.41500 | 1426.00000 |
| 1.198 | 13.970 | -.02000 | -.04000 | -.06000 | 2.19300 | -.10000 | .02000 | -.43200 | -.43200 | 1426.00000 |
| 1.198 | 16.000 | -.02000 | -.05000 | -.06000 | 2.10500 | -.10000 | .01000 | -.45800 | -.45700 | 1426.00000 |
| 1.196 | 17.950 | -.02000 | -.05000 | -.07000 | 2.00700 | -.12000 | .03000 | -.48200 | -.48500 | 1426.00000 |
| | GRADIENT | .00000 | .00139 | -.00044 | .34118 | .00249 | -.00022 | .00188 | .00214 | .00000 |

ARC 200-1 11(LA77) OV101 (A28156) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 314/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -2.010 | -.03000 | -9.95000 | .01000 | -2.78100 | -9.94000 | -9.96000 | -.26600 | -.26300 | 858.30000 |
| .596 | -.040 | -.03000 | -9.95000 | .00000 | -1.89200 | -9.95000 | -9.95000 | -.26500 | -.26400 | 858.30000 |
| .596 | 1.980 | -.02000 | -9.95000 | .00000 | -.83600 | -9.96000 | -9.95000 | -.26300 | -.26300 | 858.30000 |
| .595 | 3.950 | -.03000 | -9.96000 | .00000 | .34600 | -9.96000 | -9.95000 | -.26800 | -.26600 | 858.30000 |
| .596 | 5.940 | -.03000 | -9.95000 | .01000 | 1.53900 | -9.94000 | -9.96000 | -.27200 | -.27700 | 858.30000 |
| .596 | 7.950 | -.02000 | -9.95000 | .02000 | 2.56000 | -9.93000 | -9.98000 | -.27600 | -.28400 | 858.30000 |
| .596 | 9.910 | -.02000 | -9.95000 | .02000 | 3.24700 | -9.92000 | -9.97000 | -.28600 | -.28300 | 858.30000 |
| .596 | 11.960 | -.02000 | -9.95000 | .03000 | 3.60300 | -9.92000 | -9.98000 | -.28000 | -.28100 | 858.30000 |
| .596 | 13.970 | -.02000 | -9.93000 | .02000 | 3.49800 | -9.92000 | -9.95000 | -.28500 | -.28600 | 858.30000 |
| .597 | 15.970 | -.01000 | -10.00000 | -.03000 | 3.16600 | -10.03000 | -9.97000 | -.29000 | -.29200 | 858.30000 |
| .597 | 17.960 | .00000 | -9.91000 | .07000 | 2.84200 | -9.85000 | -9.98000 | -.28400 | -.28900 | 858.30000 |
| | GRADIENT | .00051 | -.00150 | -.00150 | .52447 | -.00352 | .00150 | -.00020 | -.00040 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B156) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 288/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.950 | -.04000 | -9.94000 | .00000 | -1.04800 | -9.94000 | -9.94000 | -.42600 | -.42700 | 1426.00000 |
| 1.201 | -.060 | -.03000 | -9.95000 | .00000 | -.43800 | -9.95000 | -9.95000 | -.42100 | -.42300 | 1426.00000 |
| 1.201 | 2.010 | -.02000 | -9.99000 | .03000 | .24900 | -9.97000 | -10.02000 | -.42000 | -.42000 | 1426.00000 |
| 1.201 | 3.960 | -.03000 | -9.93000 | -.04000 | .83100 | -9.97000 | -9.89000 | -.42900 | -.42900 | 1426.00000 |
| 1.200 | 5.950 | -.03000 | -9.93000 | -.03000 | 1.30900 | -9.96000 | -9.90000 | -.43000 | -.43000 | 1426.00000 |
| 1.199 | 7.930 | -.04000 | -9.95000 | -.02000 | 1.64500 | -9.96000 | -9.93000 | -.44000 | -.43800 | 1426.00000 |
| 1.200 | 9.960 | -.02000 | -9.92000 | -.03000 | 1.87500 | -9.96000 | -9.89000 | -.44700 | -.44600 | 1426.00000 |
| 1.197 | 11.970 | -.02000 | -9.92000 | -.03000 | 2.00900 | -9.95000 | -9.89000 | -.44800 | -.44600 | 1426.00000 |
| 1.196 | 13.960 | -.02000 | -9.89000 | -.06000 | 2.04400 | -9.95000 | -9.83000 | -.45200 | -.45200 | 1426.00000 |
| 1.198 | 16.000 | -.02000 | -9.84000 | -.09000 | 2.03800 | -9.93000 | -9.75000 | -.45400 | -.45500 | 1426.00000 |
| 1.199 | 17.950 | -.01000 | -9.95000 | -.06000 | 1.97500 | -10.01000 | -9.90000 | -.46400 | -.46300 | 1426.00000 |
| | GRADIENT | .00202 | -.00055 | -.00450 | .31942 | -.00557 | .00395 | -.00041 | -.00015 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B157) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 315/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -2.000 | 4.09000 | -.02000 | -.04000 | -1.21200 | -.06000 | .03000 | -.26000 | -.26800 | 860.30000 |
| .596 | -.010 | 4.11000 | -.02000 | -.04000 | .14400 | -.06000 | .03000 | -.26600 | -.26400 | 860.30000 |
| .597 | 1.980 | 4.11000 | -.01000 | -.04000 | 1.50800 | -.06000 | .03000 | -.26600 | -.26500 | 860.30000 |
| .597 | 3.980 | 4.11000 | -.02000 | -.04000 | 2.70600 | -.06000 | .03000 | -.26600 | -.26400 | 860.30000 |
| .597 | 5.960 | 4.13000 | -.02000 | -.06000 | 3.65300 | -.08000 | .04000 | -.26900 | -.27200 | 860.30000 |
| .597 | 7.980 | 4.17000 | -.04000 | -.05000 | 4.25800 | -.10000 | .01000 | -.27600 | -.27300 | 860.30000 |
| .596 | 9.980 | 4.18000 | .01000 | -.06000 | 4.51600 | -.05000 | .07000 | -.27500 | -.28100 | 860.30000 |
| .596 | 12.010 | 4.20000 | -.01000 | -.06000 | 4.41100 | -.07000 | .05000 | -.28200 | -.28300 | 860.30000 |
| .596 | 14.050 | 4.21000 | -.02000 | -.04000 | 3.81200 | -.06000 | .03000 | -.28400 | -.29000 | 860.30000 |
| .598 | 16.030 | 4.22000 | -.01000 | -.04000 | 3.28300 | -.05000 | .03000 | -.29100 | -.29100 | 860.30000 |
| .596 | 18.000 | 4.23000 | -.01000 | -.05000 | 2.93100 | -.06000 | .04000 | -.30800 | -.31400 | 860.30000 |
| | GRADIENT | .00301 | .00050 | -.00000 | .65818 | -.00000 | .00000 | -.00090 | .00055 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B157) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 290/ 0 RN/L = 6.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -1.980 | 4.16000 | -.05000 | -.03000 | -.64500 | -.08000 | -.03000 | -.42200 | -.42400 | 1425.00000 |
| 1.199 | .030 | 4.18000 | -.12000 | -.07000 | .07900 | -.19000 | -.05000 | -.41400 | -.41800 | 1425.00000 |
| 1.199 | 1.970 | 4.18000 | -.06000 | -.05000 | .75800 | -.11000 | -.01000 | -.40800 | -.40600 | 1425.00000 |
| 1.199 | 3.970 | 4.18000 | -.01000 | -.07000 | 1.35600 | -.08000 | .07000 | -.40600 | -.40700 | 1425.00000 |
| 1.199 | 5.950 | 4.19000 | -.01000 | -.08000 | 1.77000 | -.09000 | .07000 | -.41400 | -.41600 | 1425.00000 |
| 1.198 | 7.970 | 4.22000 | -.03000 | -.07000 | 2.03200 | -.10000 | .04000 | -.42200 | -.42200 | 1425.00000 |
| 1.198 | 9.960 | 4.24000 | -.03000 | -.08000 | 2.15600 | -.10000 | .05000 | -.44400 | -.44500 | 1425.00000 |
| 1.197 | 11.990 | 4.28000 | -.01000 | -.07000 | 2.20200 | -.09000 | .06000 | -.45300 | -.45400 | 1425.00000 |
| 1.198 | 13.980 | 4.30000 | -.03000 | -.08000 | 2.17800 | -.11000 | .05000 | -.46000 | -.46200 | 1425.00000 |
| 1.197 | 16.020 | 4.31000 | -.02000 | -.08000 | 2.09700 | -.10000 | .06000 | -.48600 | -.48600 | 1425.00000 |
| 1.197 | 17.970 | 4.33000 | -.03000 | -.10000 | 2.00700 | -.13000 | .07000 | -.50200 | -.50100 | 1425.00000 |
| | GRADIENT | .00304 | .00903 | -.00509 | .33763 | .00394 | .01716 | .00273 | .00318 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B158) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 313/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -6.070 | 9.99000 | -.02000 | -.07000 | 4.66400 | -.09000 | .05000 | -.29200 | -.29100 | 863.90000 |
| .596 | -4.070 | 9.98000 | -.02000 | -.06000 | 4.59400 | -.08000 | .04000 | -.26300 | -.26200 | 863.90000 |
| .597 | -3.040 | 9.97000 | -.02000 | -.06000 | 4.53500 | -.08000 | .04000 | -.25500 | -.25300 | 863.90000 |
| .596 | -2.040 | 9.96000 | -.02000 | -.06000 | 4.51000 | -.08000 | .04000 | -.25100 | -.25000 | 863.90000 |
| .596 | -1.010 | 9.95000 | .01000 | -.04000 | 4.48600 | -.03000 | .04000 | -.24400 | -.24600 | 863.90000 |
| .596 | -.010 | 9.95000 | -.01000 | -.05000 | 4.47800 | -.06000 | .05000 | -.24500 | -.24600 | 863.90000 |
| .596 | .980 | 9.96000 | -.01000 | -.07000 | 4.44900 | -.08000 | .06000 | -.24500 | -.24600 | 863.90000 |
| .597 | 2.030 | 10.00000 | -.05000 | -.04000 | 4.43000 | -.09000 | -.01000 | -.24900 | -.25200 | 863.90000 |
| .596 | 3.070 | 10.00000 | .00000 | -.09000 | 4.45100 | -.09000 | .09000 | -.26500 | -.26300 | 863.90000 |
| .597 | 4.110 | 9.99000 | .01000 | -.07000 | 4.48800 | -.06000 | .08000 | -.27700 | -.27800 | 863.90000 |
| .596 | 6.170 | 9.97000 | .00000 | -.06000 | 4.54400 | -.06000 | .05000 | -.29400 | -.30000 | 863.90000 |
| .596 | 8.240 | 9.99000 | -.02000 | -.07000 | 4.67800 | -.09000 | .05000 | -.31100 | -.30700 | 863.90000 |
| | GRADIENT | .00361 | .00165 | -.00197 | -.01421 | -.00032 | .00378 | -.00138 | -.00162 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B158) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 291/ 0 RN/L = 6.91 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -6.180 | 10.08000 | -.04000 | -.02000 | 2.18000 | -.06000 | -.02000 | -.44400 | -.44100 | 1425.00000 |
| 1.197 | -4.130 | 10.06000 | .03000 | -.04000 | 2.19200 | -.01000 | .07000 | -.43500 | -.43400 | 1425.00000 |
| 1.199 | -3.100 | 10.04000 | -.04000 | -.12000 | 2.19300 | -.16000 | .09000 | -.43000 | -.43000 | 1425.00000 |
| 1.198 | -2.070 | 10.03000 | .00000 | -.09000 | 2.19900 | -.09000 | .09000 | -.42000 | -.41900 | 1425.00000 |
| 1.198 | -1.010 | 10.00000 | -.05000 | -.03000 | 2.20200 | -.09000 | -.02000 | -.41000 | -.41100 | 1425.00000 |
| 1.198 | -.010 | 9.98000 | .00000 | .00000 | 2.19700 | .00000 | .01000 | -.40600 | -.40600 | 1425.00000 |
| 1.199 | 1.000 | 10.04000 | -.07000 | -.07000 | 2.19400 | -.14000 | .01000 | -.41100 | -.41100 | 1425.00000 |
| 1.199 | 2.080 | 10.07000 | -.10000 | -.08000 | 2.18600 | -.18000 | -.03000 | -.42000 | -.42000 | 1425.00000 |
| 1.198 | 3.120 | 10.06000 | .00000 | -.09000 | 2.16700 | -.09000 | .10000 | -.43000 | -.43000 | 1425.00000 |
| 1.198 | 4.190 | 10.05000 | .00000 | -.10000 | 2.15100 | -.10000 | .10000 | -.44500 | -.44300 | 1425.00000 |
| 1.198 | 6.290 | 10.04000 | -.06000 | -.06000 | 2.14400 | -.12000 | .00000 | -.45200 | -.45200 | 1425.00000 |
| 1.198 | 8.390 | 10.05000 | -.09000 | -.06000 | 2.15600 | -.14000 | -.03000 | -.45800 | -.45700 | 1425.00000 |
| | GRADIENT | .00226 | -.00349 | -.00275 | -.00445 | -.00608 | -.00091 | -.00068 | -.00063 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B159) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 316/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.950 | -.05000 | 9.98000 | -.04000 | 1.22600 | 9.94000 | 10.02000 | -.26200 | -.26400 | 861.20000 |
| .596 | .000 | -.05000 | 9.97000 | -.05000 | 2.25500 | 9.93000 | 10.02000 | -.26100 | -.25700 | 861.20000 |
| .596 | 2.060 | -.04000 | 9.96000 | -.04000 | 3.18800 | 9.91000 | 10.00000 | -.25200 | -.25000 | 861.20000 |
| .596 | 4.040 | -.03000 | 9.95000 | -.07000 | 3.80900 | 9.88000 | 10.03000 | -.25000 | -.24700 | 861.20000 |
| .597 | 6.090 | -.02000 | 9.83000 | -.07000 | 4.19300 | 9.76000 | 9.90000 | -.25400 | -.24300 | 861.20000 |
| .597 | 8.090 | .01000 | 9.99000 | -.05000 | 4.37800 | 9.94000 | 10.04000 | -.24800 | -.24300 | 861.20000 |
| .596 | 10.140 | .00000 | 10.00000 | -.04000 | 4.34900 | 9.95000 | 10.04000 | -.24400 | -.24800 | 861.20000 |
| .596 | 12.080 | .02000 | 9.97000 | -.04000 | 4.11000 | 9.93000 | 10.02000 | -.25900 | -.25300 | 861.20000 |
| .596 | 14.090 | .04000 | 10.00000 | -.07000 | 3.56600 | 9.93000 | 10.07000 | -.26700 | -.27100 | 861.20000 |
| .597 | 16.090 | .05000 | 9.96000 | -.03000 | 3.10200 | 9.93000 | 9.99000 | -.28100 | -.27700 | 861.20000 |
| .596 | 18.040 | .07000 | 10.00000 | -.06000 | 2.74000 | 9.95000 | 10.06000 | -.31400 | -.31600 | 861.20000 |
| | GRADIENT | .00350 | -.00499 | -.00397 | .43336 | -.00999 | .00048 | .00225 | .00290 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B160) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 7.000

RUN NO. 312/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.980 | 4.09000 | -10.00000 | .00000 | -2.89400 | -10.00000 | -10.00000 | -.27800 | -.27300 | 864.70000 |
| .597 | -.060 | 4.11000 | -9.93000 | .00000 | -1.98700 | -9.93000 | -9.93000 | -.27700 | -.27400 | 864.70000 |
| .597 | 1.980 | 4.11000 | -9.93000 | .01000 | -.87600 | -9.92000 | -9.94000 | -.27600 | -.27900 | 864.70000 |
| .597 | 3.930 | 4.12000 | -9.93000 | .01000 | .32500 | -9.92000 | -9.94000 | -.28500 | -.27800 | 864.70000 |
| .596 | 5.960 | 4.13000 | -9.93000 | .01000 | 1.54400 | -9.92000 | -9.94000 | -.28600 | -.29400 | 864.70000 |
| .596 | 7.990 | 4.18000 | -9.93000 | .01000 | 2.57200 | -9.92000 | -9.94000 | -.29400 | -.29600 | 864.70000 |
| .596 | 9.980 | 4.19000 | -9.93000 | .01000 | 3.31000 | -9.92000 | -9.94000 | -.30000 | -.29700 | 864.70000 |
| .597 | 12.010 | 4.20000 | -9.93000 | .01000 | 3.65300 | -9.92000 | -9.94000 | -.30200 | -.30800 | 864.70000 |
| .596 | 14.060 | 4.20000 | -9.91000 | -.02000 | 3.54100 | -9.93000 | -9.90000 | -.31700 | -.32100 | 864.70000 |
| .597 | 16.020 | 4.21000 | -9.95000 | .01000 | 3.15300 | -9.94000 | -9.96000 | -.31300 | -.31100 | 864.70000 |
| .596 | 17.990 | 4.22000 | -9.95000 | .02000 | 2.89400 | -9.94000 | -9.97000 | -.31300 | -.31100 | 864.70000 |
| | GRADIENT | .00453 | .01056 | .00203 | .54477 | .01259 | .00852 | -.00101 | -.00102 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B161) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 306/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -2.000 | -.03000 | -.06000 | -.03000 | -1.06900 | -.09000 | -.03000 | -.27500 | -.27500 | 1406.00000 |
| .900 | .070 | -.03000 | .00000 | -.02000 | .22700 | -.03000 | .02000 | -.26400 | -.26600 | 1406.00000 |
| .901 | 2.160 | -.02000 | -.02000 | -.06000 | 1.50700 | -.08000 | .04000 | -.26900 | -.26900 | 1406.00000 |
| .901 | 3.970 | -.02000 | -.03000 | -.07000 | 2.28300 | -.10000 | .03000 | -.26400 | -.26800 | 1406.00000 |
| .901 | 6.010 | -.02000 | .02000 | -.02000 | 2.80000 | -.01000 | .04000 | -.26500 | -.26600 | 1406.00000 |
| .901 | 7.950 | -.03000 | -.02000 | -.03000 | 3.00100 | -.05000 | .00000 | -.26300 | -.26500 | 1406.00000 |
| .900 | 10.020 | -.02000 | -.03000 | -.02000 | 3.01600 | -.05000 | -.01000 | -.26700 | -.26900 | 1406.00000 |
| .900 | 11.960 | -.01000 | -.02000 | -.03000 | 2.86200 | -.05000 | .01000 | -.28300 | -.28500 | 1406.00000 |
| .902 | 14.000 | -.01000 | -.03000 | -.04000 | 2.64000 | -.08000 | .01000 | -.30800 | -.31400 | 1406.00000 |
| .902 | 16.020 | .00000 | -.04000 | -.02000 | 2.46700 | -.06000 | -.02000 | -.34700 | -.35600 | 1406.00000 |
| .900 | 17.910 | .00000 | -.03000 | -.04000 | 2.32600 | -.07000 | .01000 | -.38000 | -.38600 | 1406.00000 |
| | GRADIENT | .00201 | .00366 | -.00799 | .56825 | -.00384 | .01018 | .00140 | .00091 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28161) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 299/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.980 | -.04000 | -.03000 | -.05000 | -.98100 | -.08000 | .03000 | -.28800 | -.28900 | 1445.00000 |
| .948 | .050 | -.04000 | .00000 | -.06000 | .11300 | -.06000 | .06000 | -.28600 | -.28200 | 1445.00000 |
| .947 | 2.050 | -.03000 | .03000 | -.05000 | 1.18500 | -.03000 | .08000 | -.28800 | -.28700 | 1445.00000 |
| .950 | 4.010 | -.03000 | -.11000 | -.06000 | 1.99000 | -.18000 | -.05000 | -.29400 | -.29100 | 1445.00000 |
| .949 | 5.940 | -.03000 | .01000 | -.04000 | 2.50400 | -.03000 | .05000 | -.29600 | -.28500 | 1445.00000 |
| .949 | 7.970 | -.03000 | -.02000 | -.01000 | 2.79000 | -.02000 | -.01000 | -.28500 | -.29000 | 1445.00000 |
| .948 | 10.090 | -.01000 | -.04000 | -.05000 | 2.83500 | -.09000 | .01000 | -.30100 | -.31100 | 1445.00000 |
| .947 | 11.800 | -.01000 | -.07000 | -.03000 | 2.72900 | -.10000 | -.03000 | -.32300 | -.32200 | 1445.00000 |
| .949 | 14.010 | .01000 | .01000 | -.03000 | 2.54500 | -.03000 | .04000 | -.33800 | -.33400 | 1445.00000 |
| .948 | 16.070 | .02000 | -.04000 | -.08000 | 2.37500 | -.12000 | .04000 | -.37300 | -.37900 | 1445.00000 |
| .950 | 17.970 | .04000 | -.07000 | -.10000 | 2.24100 | -.16000 | .03000 | -.40200 | -.41300 | 1445.00000 |
| | GRADIENT | .00200 | -.01036 | -.00100 | .50023 | -.01337 | -.01087 | -.00099 | -.00054 | -.00000 |

RUN NO. 292/ 0 RN/L = 8.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -1.940 | -.03000 | .00000 | -.04000 | -.80200 | -.03000 | .04000 | -.40100 | -.40000 | 1566.00000 |
| 1.049 | .000 | -.02000 | .01000 | -.04000 | .01100 | -.03000 | .05000 | -.39900 | -.39700 | 1566.00000 |
| 1.050 | 2.010 | -.01000 | .00000 | -.05000 | .84100 | -.05000 | .04000 | -.41200 | -.40800 | 1566.00000 |
| 1.049 | 4.010 | -.02000 | -.12000 | .01000 | 1.48100 | -.11000 | -.14000 | -.41400 | -.42200 | 1566.00000 |
| 1.048 | 6.000 | -.02000 | -.05000 | -.06000 | 1.90800 | -.11000 | .01000 | -.42000 | -.42400 | 1566.00000 |
| 1.048 | 7.910 | -.03000 | -.05000 | -.06000 | 2.14500 | -.12000 | .01000 | -.43700 | -.43800 | 1566.00000 |
| 1.049 | 9.930 | -.01000 | -.04000 | -.08000 | 2.27800 | -.12000 | .04000 | -.44400 | -.44400 | 1566.00000 |
| 1.049 | 11.940 | -.02000 | -.03000 | -.05000 | 2.29200 | -.08000 | .01000 | -.45100 | -.45200 | 1566.00000 |
| 1.048 | 13.880 | -.02000 | -.02000 | -.03000 | 2.23200 | -.05000 | .01000 | -.46100 | -.46300 | 1566.00000 |
| 1.049 | 15.960 | -.02000 | -.03000 | .00000 | 2.13200 | -.03000 | -.02000 | -.49200 | -.49500 | 1566.00000 |
| 1.049 | 17.970 | .00000 | -.05000 | -.06000 | 2.03800 | -.10000 | .01000 | -.54300 | -.54400 | 1566.00000 |
| | GRADIENT | .00200 | -.01871 | .00708 | .38654 | -.01313 | -.02781 | -.00263 | -.00389 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B162) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPOBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 309/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -2.000 | -.04000 | -9.91000 | -.01000 | -2.36600 | -9.92000 | -9.90000 | -.27000 | -.26700 | 1407.00000 |
| .900 | -.080 | -.03000 | -9.91000 | -.01000 | -1.46600 | -9.92000 | -9.89000 | -.26600 | -.26500 | 1407.00000 |
| .900 | 1.960 | -.02000 | -9.94000 | .01000 | -.28700 | -9.93000 | -9.95000 | -.26600 | -.26500 | 1407.00000 |
| .900 | 3.940 | -.02000 | -9.95000 | -.01000 | .93200 | -9.95000 | -9.94000 | -.26300 | -.26900 | 1407.00000 |
| .900 | 5.940 | -.03000 | -9.98000 | .00000 | 1.89900 | -9.98000 | -9.98000 | -.27200 | -.27900 | 1407.00000 |
| .901 | 7.960 | -.03000 | -9.98000 | .01000 | 2.36800 | -9.98000 | -9.99000 | -.27800 | -.27300 | 1407.00000 |
| .901 | 9.980 | -.02000 | -10.00000 | .00000 | 2.52000 | -10.00000 | -10.01000 | -.27800 | -.27900 | 1407.00000 |
| .900 | 11.970 | -.02000 | -9.90000 | -.01000 | 2.52700 | -9.92000 | -9.89000 | -.28400 | -.28500 | 1407.00000 |
| .898 | 13.990 | -.01000 | -9.92000 | .01000 | 2.45900 | -9.91000 | -9.93000 | -.29600 | -.29900 | 1407.00000 |
| .899 | 15.960 | .00000 | -9.93000 | .01000 | 2.34400 | -9.92000 | -9.93000 | -.30400 | -.31200 | 1407.00000 |
| .899 | 17.980 | .00000 | -9.92000 | .00000 | 2.22100 | -9.92000 | -9.93000 | -.34700 | -.34900 | 1407.00000 |
| | GRADIENT | .00352 | -.00758 | .00102 | .55783 | -.00505 | -.00913 | .00105 | -.00031 | .00000 |

RUN NO. 300/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -1.950 | -.03000 | -9.95000 | .00000 | -2.24300 | -9.95000 | -9.95000 | -.27400 | -.27400 | 1445.00000 |
| .949 | .040 | -.02000 | -9.96000 | -.01000 | -1.37300 | -9.97000 | -9.96000 | -.27700 | -.27100 | 1445.00000 |
| .949 | 2.030 | -.02000 | -9.97000 | -.02000 | -.25300 | -9.99000 | -9.94000 | -.27000 | -.27200 | 1445.00000 |
| .948 | 3.980 | -.02000 | -9.94000 | .05000 | .82000 | -9.89000 | -9.99000 | -.27500 | -.27500 | 1445.00000 |
| .949 | 6.030 | -.02000 | -9.97000 | .06000 | 1.68500 | -9.91000 | -10.03000 | -.28900 | -.29000 | 1445.00000 |
| .950 | 7.940 | -.03000 | -9.97000 | .05000 | 2.13600 | -9.92000 | -10.02000 | -.29700 | -.29000 | 1445.00000 |
| .949 | 10.080 | -.01000 | -9.88000 | .00000 | 2.38500 | -9.88000 | -9.88000 | -.31000 | -.31100 | 1445.00000 |
| .948 | 12.020 | .00000 | -9.95000 | -.02000 | 2.43600 | -9.97000 | -9.93000 | -.31700 | -.31100 | 1445.00000 |
| .946 | 13.960 | .02000 | -9.96000 | -.15000 | 2.38700 | -10.11000 | -9.81000 | -.32800 | -.33400 | 1445.00000 |
| .952 | 16.040 | .03000 | -9.95000 | .01000 | 2.29200 | -9.94000 | -9.97000 | -.34800 | -.34600 | 1445.00000 |
| .949 | 17.980 | .04000 | -9.95000 | .09000 | 2.20100 | -9.87000 | -10.04000 | -.37600 | -.37700 | 1445.00000 |
| | GRADIENT | .00152 | .00099 | .00703 | .52110 | .00802 | -.00502 | .00021 | -.00020 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B162) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 293/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -2.050 | -.03000 | -9.93000 | .02000 | -1.48700 | -9.91000 | -9.95000 | -.42800 | -.42500 | 1566.00000 |
| 1.049 | -.050 | -.03000 | -9.92000 | -.01000 | -.82700 | -9.93000 | -9.91000 | -.42800 | -.42300 | 1566.00000 |
| 1.050 | 1.910 | -.02000 | -9.96000 | .02000 | -.04500 | -9.94000 | -9.99000 | -.43800 | -.43600 | 1566.00000 |
| 1.050 | 3.920 | -.02000 | -10.00000 | .02000 | .69100 | -9.97000 | -10.02000 | -.44800 | -.45400 | 1566.00000 |
| 1.049 | 5.910 | -.02000 | -9.92000 | -.06000 | 1.26100 | -9.98000 | -9.85000 | -.45400 | -.45500 | 1566.00000 |
| 1.048 | 7.930 | -.03000 | -10.00000 | .00000 | 1.61800 | -10.00000 | -9.99000 | -.47100 | -.47600 | 1566.00000 |
| 1.050 | 9.960 | -.01000 | -10.03000 | -.03000 | 1.86400 | -10.06000 | -10.01000 | -.48600 | -.48200 | 1566.00000 |
| 1.049 | 11.970 | -.02000 | -9.90000 | .03000 | 1.98700 | -9.87000 | -9.92000 | -.50000 | -.50000 | 1566.00000 |
| 1.050 | 13.960 | -.02000 | -10.03000 | -.02000 | 2.02900 | -10.04000 | -10.01000 | -.48600 | -.48600 | 1566.00000 |
| 1.048 | 16.040 | -.01000 | -9.98000 | -.01000 | 2.00600 | -9.99000 | -9.96000 | -.51500 | -.51700 | 1566.00000 |
| 1.050 | 17.960 | -.01000 | -9.96000 | -.03000 | 1.97000 | -9.99000 | -9.93000 | -.53300 | -.53200 | 1566.00000 |
| | GRADIENT | .00201 | -.01258 | .00149 | .36816 | -.00957 | -.01456 | -.00352 | -.00503 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B163) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 301/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.960 | -.03000 | -10.09000 | 5.01000 | -2.13900 | -5.08000 | -15.09000 | -.28300 | -.28900 | 1443.00000 |
| .947 | .020 | -.02000 | -10.13000 | 5.00000 | -1.28700 | -5.13000 | -15.13000 | -.28600 | -.27900 | 1443.00000 |
| .951 | 2.020 | -.01000 | -10.13000 | 5.02000 | -.23300 | -5.11000 | -15.14000 | -.28300 | -.28200 | 1443.00000 |
| .948 | 3.970 | -.01000 | -10.21000 | 5.06000 | .79400 | -5.15000 | -15.27000 | -.28500 | -.28500 | 1443.00000 |
| .949 | 6.090 | -.01000 | -10.08000 | 5.04000 | 1.68300 | -5.05000 | -15.12000 | -.28600 | -.28600 | 1443.00000 |
| .949 | 7.960 | -.02000 | -10.10000 | 5.07000 | 2.14200 | -5.03000 | -15.17000 | -.29100 | -.30000 | 1443.00000 |
| .948 | 10.010 | -.01000 | -10.10000 | 5.09000 | 2.35400 | -5.01000 | -15.20000 | -.31000 | -.30400 | 1443.00000 |
| .950 | 12.060 | .00000 | -10.11000 | 4.98000 | 2.41200 | -5.13000 | -15.08000 | -.32100 | -.32700 | 1443.00000 |
| .949 | 14.010 | .00000 | -10.13000 | 4.95000 | 2.37600 | -5.18000 | -15.07000 | -.34000 | -.34700 | 1443.00000 |
| .947 | 16.050 | .01000 | -10.06000 | 4.97000 | 2.28400 | -5.09000 | -15.02000 | -.36600 | -.37300 | 1443.00000 |
| .948 | 17.940 | .03000 | -10.04000 | 4.97000 | 2.17700 | -5.08000 | -15.01000 | -.39400 | -.39500 | 1443.00000 |
| | GRADIENT | .00354 | -.01815 | .00857 | .49784 | -.00958 | -.02773 | -.00015 | .00046 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B163) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 294/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -1.950 | -.03000 | -10.10000 | 5.01000 | -1.44800 | -5.09000 | -15.10000 | -.46100 | -.45900 | 1566.00000 |
| 1.049 | .030 | -.02000 | -10.09000 | 4.99000 | -.79300 | -5.10000 | -15.08000 | -.45400 | -.44800 | 1566.00000 |
| 1.051 | 2.070 | -.02000 | -10.16000 | 5.04000 | .01400 | -5.12000 | -15.20000 | -.45600 | -.45400 | 1566.00000 |
| 1.050 | 3.910 | -.02000 | -10.04000 | 5.08000 | .68000 | -4.96000 | -15.12000 | -.46100 | -.46800 | 1566.00000 |
| 1.050 | 5.910 | -.03000 | -10.14000 | 5.03000 | 1.23700 | -5.11000 | -15.17000 | -.47400 | -.47200 | 1566.00000 |
| 1.053 | 8.020 | -.04000 | -10.05000 | 4.98000 | 1.60900 | -5.07000 | -15.03000 | -.48900 | -.48800 | 1566.00000 |
| 1.048 | 10.030 | -.02000 | -9.99000 | 5.04000 | 1.85700 | -4.95000 | -15.03000 | -.49700 | -.49700 | 1566.00000 |
| 1.050 | 12.060 | -.03000 | -10.11000 | 4.92000 | 1.98700 | -5.19000 | -15.03000 | -.50500 | -.50700 | 1566.00000 |
| 1.050 | 14.000 | -.03000 | -10.04000 | 4.98000 | 2.01300 | -5.06000 | -15.02000 | -.51000 | -.51000 | 1566.00000 |
| 1.049 | 16.050 | -.02000 | -10.03000 | 4.96000 | 1.99200 | -5.06000 | -14.99000 | -.52500 | -.52800 | 1566.00000 |
| 1.051 | 17.940 | -.02000 | -10.03000 | 4.99000 | 1.95300 | -5.03000 | -15.02000 | -.55100 | -.55200 | 1566.00000 |
| | GRADIENT | .00154 | .00522 | .01319 | .36653 | .01841 | -.00951 | -.00008 | -.00164 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B164) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 310/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -2.010 | -.03000 | 10.02000 | -.05000 | .08200 | 9.97000 | 10.06000 | -.28900 | -.28900 | 1405.00000 |
| .898 | -.030 | -.02000 | 10.00000 | -.04000 | 1.23000 | 9.96000 | 10.05000 | -.28300 | -.28500 | 1405.00000 |
| .900 | 1.950 | -.01000 | 9.92000 | .00000 | 2.23900 | 9.92000 | 9.91000 | -.28400 | -.28400 | 1405.00000 |
| .900 | 3.980 | -.02000 | 10.00000 | -.03000 | 2.92400 | 9.97000 | 10.02000 | -.29600 | -.29600 | 1405.00000 |
| .898 | 5.950 | -.02000 | 9.99000 | -.03000 | 3.21900 | 9.96000 | 10.02000 | -.29300 | -.29500 | 1405.00000 |
| .899 | 7.930 | -.03000 | 10.00000 | -.04000 | 3.21500 | 9.96000 | 10.04000 | -.29600 | -.29400 | 1405.00000 |
| .898 | 9.920 | -.02000 | 10.00000 | -.05000 | 3.15000 | 9.95000 | 10.04000 | -.30300 | -.30400 | 1405.00000 |
| .900 | 11.930 | -.02000 | 9.97000 | -.03000 | 2.93800 | 9.94000 | 10.00000 | -.30600 | -.31000 | 1405.00000 |
| .900 | 13.980 | -.01000 | 10.04000 | -.02000 | 2.67700 | 10.01000 | 10.06000 | -.32900 | -.32300 | 1405.00000 |
| .899 | 15.990 | .00000 | 10.00000 | -.02000 | 2.45800 | 9.97000 | 10.02000 | -.36500 | -.36800 | 1405.00000 |
| .900 | 17.980 | .00000 | 10.01000 | -.02000 | 2.28500 | 10.00000 | 10.03000 | -.40500 | -.40600 | 1405.00000 |
| | GRADIENT | .00199 | -.00693 | .00497 | .47761 | -.00195 | -.01291 | -.00111 | -.00101 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B164) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 302/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -1.930 | -.03000 | 9.99000 | -.10000 | -.18300 | 9.89000 | 10.09000 | -.31000 | -.31200 | 1443.00000 |
| .949 | .030 | -.03000 | 9.97000 | -.09000 | .87100 | 9.88000 | 10.06000 | -.32300 | -.31900 | 1443.00000 |
| .947 | 2.040 | -.03000 | 9.95000 | -.09000 | 1.84900 | 9.86000 | 10.04000 | -.33100 | -.33100 | 1443.00000 |
| .949 | 3.960 | -.02000 | 9.97000 | -.10000 | 2.45900 | 9.87000 | 10.07000 | -.33100 | -.32300 | 1443.00000 |
| .948 | 6.010 | -.02000 | 9.95000 | -.08000 | 2.84900 | 9.87000 | 10.03000 | -.33900 | -.33800 | 1443.00000 |
| .948 | 7.920 | -.03000 | 9.94000 | -.08000 | 2.92900 | 9.86000 | 10.02000 | -.33700 | -.33800 | 1443.00000 |
| .949 | 10.050 | -.01000 | 9.97000 | -.10000 | 2.89700 | 9.87000 | 10.07000 | -.34400 | -.34200 | 1443.00000 |
| .947 | 11.920 | .00000 | 9.93000 | -.08000 | 2.78400 | 9.85000 | 10.01000 | -.33300 | -.33600 | 1443.00000 |
| .948 | 13.980 | .01000 | 9.92000 | -.09000 | 2.60500 | 9.83000 | 10.01000 | -.37000 | -.36200 | 1443.00000 |
| .948 | 16.030 | .02000 | 9.92000 | -.10000 | 2.41800 | 9.82000 | 10.02000 | -.38600 | -.39600 | 1443.00000 |
| .950 | 17.960 | .03000 | 9.86000 | -.05000 | 2.25400 | 9.81000 | 9.91000 | -.41000 | -.40900 | 1443.00000 |
| | GRADIENT | .00152 | -.00410 | .00001 | .45274 | -.00409 | -.00411 | -.00362 | -.00230 | .00000 |

RUN NO. 295/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | A'LRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -2.020 | -.03000 | 9.97000 | -.09000 | -.11200 | 9.88000 | 10.06000 | -.42500 | -.42800 | 1565.00000 |
| 1.050 | .050 | -.02000 | 9.98000 | -.09000 | .70200 | 9.89000 | 10.07000 | -.41900 | -.41400 | 1565.00000 |
| 1.050 | 2.060 | -.02000 | 9.98000 | -.09000 | 1.39700 | 9.89000 | 10.07000 | -.42100 | -.42000 | 1565.00000 |
| 1.049 | 4.060 | -.02000 | 9.96000 | -.08000 | 1.87700 | 9.88000 | 10.04000 | -.42600 | -.42600 | 1565.00000 |
| 1.050 | 6.060 | -.03000 | 9.88000 | -.03000 | 2.20200 | 9.86000 | 9.91000 | -.44400 | -.44300 | 1565.00000 |
| 1.050 | 7.980 | -.03000 | 9.96000 | -.11000 | 2.35700 | 9.85000 | 10.07000 | -.45900 | -.45800 | 1565.00000 |
| 1.049 | 10.010 | -.02000 | 9.87000 | -.17000 | 2.40400 | 9.70000 | 10.04000 | -.47200 | -.47300 | 1565.00000 |
| 1.049 | 12.030 | -.02000 | 9.96000 | -.09000 | 2.36200 | 9.86000 | 10.05000 | -.48600 | -.48500 | 1565.00000 |
| 1.048 | 13.980 | -.02000 | 9.96000 | -.10000 | 2.28200 | 9.86000 | 10.06000 | -.49400 | -.49200 | 1565.00000 |
| 1.049 | 16.050 | -.02000 | 9.94000 | -.09000 | 2.16300 | 9.84000 | 10.03000 | -.51000 | -.50700 | 1565.00000 |
| 1.049 | 17.930 | -.02000 | 9.90000 | -.07000 | 2.05700 | 9.83000 | 9.97000 | -.54100 | -.54200 | 1565.00000 |
| | GRADIENT | .00149 | -.00146 | .00147 | .32924 | .00002 | -.00293 | -.00024 | .00002 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B165) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = 10.000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 303/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.940 | 4.17000 | 9.99000 | -.11000 | -.22700 | 9.88000 | 10.10000 | -.32900 | -.33300 | 1443.00000 |
| .950 | .070 | 4.16000 | 9.97000 | -.06000 | .85100 | 9.91000 | 10.03000 | -.33500 | -.33100 | 1443.00000 |
| .948 | 2.070 | 4.16000 | 9.98000 | -.06000 | 1.81900 | 9.92000 | 10.04000 | -.34000 | -.34200 | 1443.00000 |
| .948 | 3.980 | 4.15000 | 10.02000 | -.08000 | 2.45900 | 9.94000 | 10.10000 | -.34800 | -.34600 | 1443.00000 |
| .947 | 6.020 | 4.18000 | 10.01000 | -.07000 | 2.82400 | 9.93000 | 10.08000 | -.35300 | -.35000 | 1443.00000 |
| .948 | 7.950 | 4.20000 | 10.00000 | -.07000 | 2.91800 | 9.93000 | 10.07000 | -.35300 | -.35900 | 1443.00000 |
| .948 | 10.080 | 4.28000 | 10.00000 | -.08000 | 2.89400 | 9.92000 | 10.09000 | -.37800 | -.37400 | 1443.00000 |
| .947 | 11.950 | 4.32000 | 9.96000 | -.07000 | 2.80300 | 9.88000 | 10.03000 | -.37000 | -.37000 | 1443.00000 |
| .948 | 14.040 | 4.28000 | 9.95000 | -.07000 | 2.60500 | 9.88000 | 10.02000 | -.39100 | -.38200 | 1443.00000 |
| .947 | 16.070 | 4.30000 | 9.93000 | -.08000 | 2.40600 | 9.85000 | 10.00000 | -.42700 | -.43100 | 1443.00000 |
| .950 | 18.000 | 4.30000 | 9.93000 | -.06000 | 2.23800 | 9.87000 | 9.99000 | -.45200 | -.45400 | 1443.00000 |
| | GRADIENT | -.00303 | .00498 | .00464 | .45732 | .00962 | .00035 | -.00313 | -.00253 | .00000 |

RUN NO. 296/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.051 | -1.970 | 4.18000 | 9.93000 | -.07000 | -.11900 | 9.87000 | 10.00000 | -.45300 | -.45200 | 1567.00000 |
| 1.050 | .060 | 4.20000 | 9.93000 | -.05000 | .66200 | 9.89000 | 9.98000 | -.45000 | -.44800 | 1567.00000 |
| 1.050 | 2.080 | 4.19000 | 9.92000 | -.04000 | 1.36300 | 9.88000 | 9.96000 | -.44900 | -.44800 | 1567.00000 |
| 1.049 | 4.070 | 4.19000 | 9.90000 | -.03000 | 1.87000 | 9.86000 | 9.93000 | -.45500 | -.45500 | 1567.00000 |
| 1.050 | 6.080 | 4.21000 | 9.93000 | .03000 | 2.19400 | 9.96000 | 9.90000 | -.46400 | -.46300 | 1567.00000 |
| 1.048 | 8.020 | 4.22000 | 9.80000 | .07000 | 2.33700 | 9.87000 | 9.73000 | -.49700 | -.49600 | 1567.00000 |
| 1.049 | 10.030 | 4.24000 | 10.10000 | .08000 | 2.38600 | 10.17000 | 10.02000 | -.52000 | -.51900 | 1567.00000 |
| 1.049 | 12.090 | 4.29000 | 9.87000 | -.10000 | 2.34500 | 9.76000 | 9.97000 | -.51800 | -.51800 | 1567.00000 |
| 1.047 | 14.050 | 4.31000 | 9.92000 | -.08000 | 2.26800 | 9.84000 | 10.00000 | -.52700 | -.52800 | 1567.00000 |
| 1.048 | 16.130 | 4.32000 | 9.90000 | -.07000 | 2.16300 | 9.83000 | 9.97000 | -.52200 | -.52300 | 1567.00000 |
| 1.050 | 17.970 | 4.34000 | 9.94000 | -.03000 | 2.05300 | 9.91000 | 9.97000 | -.53000 | -.53300 | 1567.00000 |
| | GRADIENT | .00100 | -.00496 | .00646 | .33122 | -.00197 | -.01141 | -.00024 | -.00044 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B166) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 307/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -2.010 | 4.17000 | .03000 | -.05000 | -1.13800 | -.02000 | .08000 | -.29400 | -.29300 | 1406.00000 |
| .901 | .020 | 4.16000 | .01000 | -.03000 | .12300 | -.02000 | .04000 | -.29200 | -.29000 | 1406.00000 |
| .901 | 2.000 | 4.16000 | -.02000 | -.02000 | 1.32300 | -.04000 | .01000 | -.30000 | -.29500 | 1406.00000 |
| .900 | 3.920 | 4.17000 | .02000 | -.04000 | 2.21500 | -.02000 | .05000 | -.29100 | -.29100 | 1406.00000 |
| .902 | 5.890 | 4.21000 | -.01000 | -.04000 | 2.76200 | -.05000 | .03000 | -.29400 | -.28600 | 1406.00000 |
| .901 | 7.960 | 4.24000 | -.03000 | -.02000 | 3.01400 | -.05000 | -.01000 | -.29600 | -.29700 | 1406.00000 |
| .902 | 10.070 | 4.29000 | .01000 | -.03000 | 2.97900 | -.03000 | .04000 | -.29000 | -.29800 | 1406.00000 |
| .902 | 11.990 | 4.31000 | -.01000 | -.02000 | 2.87300 | -.03000 | .02000 | -.30600 | -.30200 | 1406.00000 |
| .902 | 14.000 | 4.34000 | .02000 | -.04000 | 2.67600 | -.02000 | .05000 | -.33400 | -.33400 | 1406.00000 |
| .900 | 16.050 | 4.36000 | -.01000 | -.04000 | 2.50000 | -.04000 | .03000 | -.38100 | -.38000 | 1406.00000 |
| .901 | 17.930 | 4.39000 | -.03000 | -.02000 | 2.35000 | -.05000 | -.01000 | -.40200 | -.39800 | 1406.00000 |
| | GRADIENT | -.00003 | -.00312 | .00208 | .56994 | -.00104 | -.00618 | .00004 | .00005 | .00000 |

RUN NO. 304/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.960 | 4.15000 | -.03000 | -.05000 | -1.02000 | -.08000 | .02000 | -.30400 | -.30500 | 1446.00000 |
| .948 | .050 | 4.15000 | -.02000 | -.04000 | .07900 | -.06000 | .03000 | -.31200 | -.31400 | 1446.00000 |
| .949 | 2.040 | 4.16000 | -.01000 | -.04000 | 1.12100 | -.05000 | .03000 | -.31900 | -.32500 | 1446.00000 |
| .949 | 3.980 | 4.15000 | .00000 | -.06000 | 1.92700 | -.06000 | .05000 | -.32500 | -.32800 | 1446.00000 |
| .946 | 5.940 | 4.19000 | -.04000 | -.04000 | 2.46900 | -.07000 | .00000 | -.32700 | -.31800 | 1446.00000 |
| .949 | 8.010 | 4.21000 | -.09000 | .01000 | 2.75600 | -.09000 | -.10000 | -.32700 | -.32300 | 1446.00000 |
| .947 | 10.070 | 4.26000 | -.02000 | -.08000 | 2.82000 | -.10000 | .05000 | -.33300 | -.33500 | 1446.00000 |
| .947 | 12.000 | 4.27000 | -.06000 | -.07000 | 2.74500 | -.12000 | .01000 | -.34100 | -.35000 | 1446.00000 |
| .947 | 14.000 | 4.28000 | -.08000 | -.05000 | 2.58400 | -.13000 | -.03000 | -.36700 | -.36900 | 1446.00000 |
| .947 | 16.060 | 4.29000 | -.06000 | -.05000 | 2.38900 | -.11000 | -.01000 | -.42600 | -.42500 | 1446.00000 |
| .949 | 18.020 | 4.29000 | -.02000 | -.03000 | 2.24900 | -.05000 | .01000 | -.45900 | -.45800 | 1446.00000 |
| | GRADIENT | .00052 | .00505 | -.00149 | .49913 | .00356 | .00453 | -.00354 | -.00404 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B166) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 297/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.049 | -1.950 | 4.17000 | -.04000 | -.06000 | -.79400 | -.10000 | .02000 | -.43800 | -.44000 | 1566.00000 |
| 1.050 | .000 | 4.19000 | .00000 | -.04000 | -.00900 | -.04000 | .04000 | -.43400 | -.43400 | 1566.00000 |
| 1.049 | 2.010 | 4.19000 | .02000 | -.05000 | .79800 | -.03000 | .07000 | -.44000 | -.43700 | 1566.00000 |
| 1.049 | 4.010 | 4.19000 | -.05000 | .00000 | 1.44500 | -.05000 | -.05000 | -.44900 | -.44900 | 1566.00000 |
| 1.048 | 6.010 | 4.20000 | -.04000 | -.04000 | 1.87000 | -.08000 | .00000 | -.46800 | -.46700 | 1566.00000 |
| 1.050 | 7.950 | 4.23000 | -.06000 | -.09000 | 2.10300 | -.14000 | .03000 | -.48200 | -.48400 | 1566.00000 |
| 1.049 | 9.960 | 4.25000 | -.02000 | -.03000 | 2.22800 | -.05000 | .01000 | -.49300 | -.49600 | 1566.00000 |
| 1.048 | 11.990 | 4.29000 | .01000 | -.06000 | 2.25800 | -.05000 | .07000 | -.49600 | -.49800 | 1566.00000 |
| 1.049 | 13.950 | 4.31000 | -.03000 | -.03000 | 2.22900 | -.06000 | .00000 | -.49800 | -.49600 | 1566.00000 |
| 1.050 | 16.040 | 4.33000 | -.01000 | -.02000 | 2.13400 | -.03000 | .01000 | -.51600 | -.51600 | 1566.00000 |
| 1.051 | 18.040 | 4.35000 | -.02000 | -.02000 | 2.04000 | -.04000 | .00000 | -.54500 | -.54400 | 1566.00000 |
| | GRADIENT | .00300 | -.00056 | .00855 | .37821 | .00799 | -.00911 | -.00197 | -.00152 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B167) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 308/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -6.310 | 4.99000 | -.03000 | -.08000 | 2.49600 | -.11000 | .06000 | -.30700 | -.30900 | 1408.00000 |
| .902 | -4.240 | 4.95000 | .05000 | -.10000 | 2.58900 | -.06000 | .15000 | -.29000 | -.27900 | 1408.00000 |
| .901 | -3.190 | 4.94000 | -.01000 | -.02000 | 2.59000 | -.03000 | .01000 | -.27600 | -.27300 | 1408.00000 |
| .899 | -2.130 | 4.94000 | -.01000 | -.03000 | 2.60000 | -.04000 | .02000 | -.26300 | -.26800 | 1408.00000 |
| .901 | -1.080 | 4.92000 | -.01000 | -.03000 | 2.57100 | -.04000 | .01000 | -.26200 | -.26500 | 1408.00000 |
| .903 | .010 | 4.92000 | -.01000 | -.03000 | 2.55000 | -.04000 | .03000 | -.26000 | -.26400 | 1408.00000 |
| .901 | 1.020 | 4.95000 | -.01000 | -.03000 | 2.57700 | -.05000 | .02000 | -.26600 | -.26400 | 1408.00000 |
| .902 | 2.080 | 4.95000 | -.01000 | -.03000 | 2.56900 | -.04000 | .03000 | -.27100 | -.26800 | 1408.00000 |
| .901 | 3.110 | 4.94000 | -.01000 | -.04000 | 2.57600 | -.05000 | .04000 | -.28400 | -.28100 | 1408.00000 |
| .901 | 4.150 | 4.94000 | -.02000 | -.04000 | 2.53400 | -.06000 | .02000 | -.28900 | -.28700 | 1408.00000 |
| .902 | 6.260 | 4.92000 | -.02000 | -.04000 | 2.44300 | -.06000 | .03000 | -.31300 | -.31700 | 1408.00000 |
| .902 | 8.350 | 4.93000 | .00000 | -.05000 | 2.46400 | -.05000 | .04000 | -.33700 | -.34000 | 1408.00000 |
| | GRADIENT | .00015 | -.00445 | .00287 | -.00506 | -.00110 | -.00637 | -.00062 | -.00086 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28167) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 16.300
RN/L = 8.000

RUN NO. 305/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.290 | 5.05000 | -.01000 | -.06000 | 2.19900 | -.07000 | .04000 | -.33800 | -.34000 | 1444.00000 |
| .947 | -4.210 | 5.01000 | -.01000 | -.06000 | 2.27700 | -.07000 | .06000 | -.32200 | -.31600 | 1444.00000 |
| .950 | -3.170 | 5.01000 | .00000 | -.08000 | 2.27200 | -.08000 | .08000 | -.31900 | -.31300 | 1444.00000 |
| .948 | -2.120 | 4.99000 | -.08000 | -.03000 | 2.29200 | -.12000 | -.05000 | -.30300 | -.30400 | 1444.00000 |
| .947 | -1.080 | 4.98000 | .02000 | -.05000 | 2.27000 | -.04000 | .07000 | -.29300 | -.28600 | 1444.00000 |
| .949 | -.010 | 5.00000 | .02000 | -.06000 | 2.26800 | -.04000 | .08000 | -.29500 | -.29500 | 1444.00000 |
| .947 | 1.010 | 4.99000 | -.06000 | -.03000 | 2.29300 | -.10000 | -.03000 | -.29800 | -.29900 | 1444.00000 |
| .949 | 2.070 | 4.98000 | -.03000 | -.03000 | 2.28300 | -.06000 | .00000 | -.30500 | -.30100 | 1444.00000 |
| .947 | 3.080 | 4.99000 | -.05000 | -.05000 | 2.28600 | -.10000 | .00000 | -.31600 | -.32600 | 1444.00000 |
| .949 | 4.140 | 4.97000 | .02000 | -.08000 | 2.21700 | -.07000 | .10000 | -.32400 | -.33100 | 1444.00000 |
| .948 | 6.240 | 4.96000 | .01000 | -.04000 | 2.14200 | -.04000 | .05000 | -.34600 | -.35100 | 1444.00000 |
| .947 | 8.330 | 4.98000 | .00000 | -.05000 | 2.08900 | -.05000 | .05000 | -.36000 | -.35900 | 1444.00000 |
| | GRADIENT | -.00367 | -.00015 | .00048 | -.00308 | .00002 | -.00127 | -.00012 | -.00168 | .00000 |

RUN NO. 298/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.049 | -6.300 | 5.10000 | -.05000 | -.03000 | 1.73500 | -.09000 | -.02000 | -.46600 | -.46700 | 1565.00000 |
| 1.049 | -4.230 | 5.05000 | .02000 | -.04000 | 1.73900 | -.03000 | .06000 | -.45300 | -.45200 | 1565.00000 |
| 1.050 | -3.180 | 5.04000 | .02000 | -.04000 | 1.73900 | -.03000 | .06000 | -.44200 | -.44000 | 1565.00000 |
| 1.049 | -2.130 | 5.04000 | -.02000 | -.05000 | 1.73700 | -.07000 | .03000 | -.42100 | -.42000 | 1565.00000 |
| 1.049 | -1.080 | 5.01000 | -.02000 | -.07000 | 1.72300 | -.08000 | .05000 | -.42100 | -.41900 | 1565.00000 |
| 1.050 | .000 | 5.02000 | -.03000 | -.08000 | 1.70400 | -.10000 | .05000 | -.42000 | -.41300 | 1565.00000 |
| 1.049 | 1.010 | 5.05000 | -.03000 | -.08000 | 1.71700 | -.11000 | .05000 | -.42500 | -.42800 | 1565.00000 |
| 1.049 | 2.080 | 5.03000 | .00000 | -.06000 | 1.71500 | -.06000 | .06000 | -.42800 | -.42700 | 1565.00000 |
| 1.050 | 3.110 | 5.04000 | .01000 | -.06000 | 1.71100 | -.05000 | .08000 | -.44400 | -.44200 | 1565.00000 |
| 1.049 | 4.160 | 5.03000 | .02000 | -.07000 | 1.69600 | -.04000 | .09000 | -.45600 | -.45500 | 1565.00000 |
| 1.049 | 6.250 | 5.03000 | .03000 | -.09000 | 1.67100 | -.06000 | .12000 | -.48100 | -.48300 | 1565.00000 |
| 1.049 | 8.350 | 5.05000 | -.07000 | -.13000 | 1.67400 | -.20000 | .06000 | -.49000 | -.49400 | 1565.00000 |
| | GRADIENT | -.00096 | -.00001 | -.00334 | -.00487 | -.00176 | .00381 | -.00056 | -.00064 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B168) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 349/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.990 | -.04000 | -.03000 | -.04000 | -2.00300 | -.07000 | .00000 | -.19400 | -.19400 | 864.50000 |
| .597 | -.040 | -.03000 | -.03000 | -.04000 | -.59300 | -.07000 | .01000 | -.19200 | -.19300 | 864.50000 |
| .596 | 2.020 | -.02000 | -.03000 | -.04000 | 1.01600 | -.07000 | .01000 | -.18500 | -.18500 | 864.50000 |
| .597 | 3.950 | -.03000 | -.03000 | -.04000 | 2.49600 | -.07000 | .01000 | -.19000 | -.18300 | 864.50000 |
| .597 | 5.960 | -.03000 | -.05000 | -.04000 | 3.73200 | -.09000 | .00000 | -.18000 | -.18200 | 864.50000 |
| .597 | 7.950 | -.02000 | -.05000 | -.04000 | 4.55200 | -.09000 | -.01000 | -.18000 | -.18300 | 864.50000 |
| .597 | 9.960 | -.02000 | -.04000 | .00000 | 4.84100 | -.04000 | -.04000 | -.18100 | -.18100 | 864.50000 |
| .596 | 11.970 | -.02000 | -.01000 | -.09000 | 4.72100 | -.09000 | .08000 | -.18600 | -.18300 | 864.50000 |
| .597 | 13.960 | -.02000 | -.03000 | -.03000 | 4.06900 | -.06000 | .00000 | -.19600 | -.19300 | 864.50000 |
| .597 | 15.990 | -.01000 | -.01000 | -.05000 | 3.45600 | -.06000 | .04000 | -.20700 | -.21400 | 864.50000 |
| .597 | 17.970 | -.01000 | .00000 | -.06000 | 2.98900 | -.06000 | .06000 | -.24300 | -.23800 | 864.50000 |
| | GRADIENT | .00203 | .00000 | .00000 | .75993 | .00000 | .00151 | .00097 | .00207 | .00000 |

RUN NO. 335/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.980 | -.03000 | .03000 | -.09000 | -.83200 | -.06000 | .11000 | -.36300 | -.36300 | 1415.00000 |
| 1.198 | .010 | -.03000 | .00000 | -.06000 | -.04100 | -.07000 | .06000 | -.36000 | -.35800 | 1415.00000 |
| 1.199 | 1.960 | -.02000 | -.05000 | -.04000 | .71700 | -.09000 | -.01000 | -.34800 | -.34900 | 1415.00000 |
| 1.197 | 3.950 | -.02000 | -.02000 | -.06000 | 1.36700 | -.08000 | .04000 | -.33800 | -.33500 | 1415.00000 |
| 1.198 | 5.940 | -.03000 | -.02000 | -.06000 | 1.85500 | -.08000 | .04000 | -.33400 | -.33400 | 1415.00000 |
| 1.198 | 7.920 | -.04000 | -.02000 | -.06000 | 2.15000 | -.08000 | .04000 | -.34200 | -.33900 | 1415.00000 |
| 1.198 | 9.960 | -.02000 | -.01000 | -.05000 | 2.31600 | -.06000 | .04000 | -.35100 | -.35000 | 1415.00000 |
| 1.197 | 11.980 | -.02000 | -.01000 | -.04000 | 2.36100 | -.05000 | .03000 | -.36100 | -.36100 | 1415.00000 |
| 1.197 | 13.940 | -.02000 | .00000 | -.07000 | 2.29800 | -.07000 | .07000 | -.38300 | -.38300 | 1415.00000 |
| 1.197 | 15.980 | -.02000 | .00000 | -.06000 | 2.19500 | -.07000 | .06000 | -.40800 | -.41000 | 1415.00000 |
| 1.196 | 17.960 | -.02000 | .00000 | -.07000 | 2.08900 | -.07000 | .07000 | -.43100 | -.43200 | 1415.00000 |
| | GRADIENT | .00202 | -.01011 | .00557 | .37257 | -.00404 | -.01416 | .00440 | .00471 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B169) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPOBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 350/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.980 | 4.10000 | -.02000 | -.03000 | -2.08500 | -.06000 | 01000 | -.21000 | -.21000 | 866.70000 |
| .597 | .000 | 4.09000 | -.02000 | -.04000 | -.61100 | -.06000 | .02000 | -.21000 | -.21100 | 866.70000 |
| .597 | 2.050 | 4.12000 | -.02000 | -.05000 | 1.04800 | -.07000 | .02000 | -.21200 | -.20600 | 866.70000 |
| .597 | 3.980 | 4.12000 | -.03000 | -.05000 | 2.50900 | -.08000 | .02000 | -.21000 | -.20600 | 866.70000 |
| .596 | 5.960 | 4.13000 | -.01000 | -.01000 | 3.77300 | -.02000 | .00000 | -.20400 | -.20300 | 866.70000 |
| .597 | 7.980 | 4.18000 | -.03000 | .00000 | 4.57500 | -.03000 | -.03000 | -.21200 | -.21100 | 866.70000 |
| .596 | 9.990 | 4.19000 | -.04000 | -.02000 | 4.86400 | -.06000 | -.01000 | -.21800 | -.21900 | 866.70000 |
| .597 | 12.040 | 4.21000 | -.08000 | -.04000 | 4.73200 | -.12000 | -.04000 | -.21800 | -.22600 | 866.70000 |
| .596 | 14.020 | 4.22000 | -.09000 | -.09000 | 4.04200 | -.18000 | .00000 | -.23000 | -.22500 | 866.70000 |
| .597 | 16.010 | 4.23000 | -.12000 | -.05000 | 3.43400 | -.17000 | -.07000 | -.23800 | -.23800 | 866.70000 |
| .597 | 18.000 | 4.24000 | -.08000 | -.08000 | 3.04800 | -.16000 | .00000 | -.25800 | -.25600 | 866.70000 |
| | GRADIENT | .00454 | -.00149 | -.00352 | .77486 | -.00351 | .00151 | -.00010 | .00086 | .00000 |

RUN NO. 336/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.970 | 4.16000 | -.02000 | -.04000 | -.86400 | -.06000 | .03000 | -.37300 | -.37600 | 1427.00000 |
| 1.199 | .030 | 4.18000 | -.06000 | -.01000 | -.08100 | -.07000 | -.04000 | -.36400 | -.36300 | 1427.00000 |
| 1.198 | 1.990 | 4.18000 | -.01000 | -.04000 | .67900 | -.05000 | .03000 | -.36200 | -.36000 | 1427.00000 |
| 1.196 | 3.980 | 4.18000 | -.02000 | -.03000 | 1.33900 | -.05000 | .01000 | -.35900 | -.35900 | 1427.00000 |
| 1.198 | 5.970 | 4.19000 | -.02000 | -.03000 | 1.82100 | -.05000 | .00000 | -.36700 | -.36600 | 1427.00000 |
| 1.198 | 7.960 | 4.22000 | -.04000 | -.02000 | 2.12500 | -.06000 | -.02000 | -.37600 | -.37500 | 1427.00000 |
| 1.194 | 9.960 | 4.24000 | .01000 | -.03000 | 2.28800 | -.01000 | .04000 | -.38500 | -.38700 | 1427.00000 |
| 1.197 | 12.000 | 4.28000 | -.01000 | -.02000 | 2.31700 | -.03000 | .01000 | -.40000 | -.39600 | 1427.00000 |
| 1.197 | 14.020 | 4.30000 | .00000 | -.04000 | 2.28100 | -.04000 | .05000 | -.41500 | -.41400 | 1427.00000 |
| 1.195 | 16.010 | 4.31000 | .00000 | -.04000 | 2.19100 | -.03000 | .04000 | -.43700 | -.43500 | 1427.00000 |
| 1.197 | 17.990 | 4.33000 | .01000 | -.05000 | 2.09000 | -.04000 | .05000 | -.44100 | -.44200 | 1427.00000 |
| | GRADIENT | .00303 | .00249 | .00102 | .37198 | .00251 | .00046 | .00222 | .00273 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B170) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 351/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -6.220 | 10.07000 | .00000 | -.07000 | 4.92000 | -.07000 | .07000 | -.23100 | -.23500 | 860.30000 |
| .597 | -4.170 | 10.05000 | .00000 | -.09000 | 4.90000 | -.09000 | .09000 | -.22000 | -.21500 | 860.30000 |
| .596 | -3.150 | 10.05000 | .02000 | -.06000 | 4.86900 | -.04000 | .08000 | -.20000 | -.19900 | 860.30000 |
| .596 | -2.120 | 10.05000 | .02000 | -.07000 | 4.85000 | -.04000 | .09000 | -.18700 | -.19000 | 860.30000 |
| .596 | -1.080 | 10.09000 | .03000 | -.07000 | 4.84400 | -.04000 | .09000 | -.18700 | -.18400 | 860.30000 |
| .596 | .010 | 10.14000 | .03000 | -.07000 | 4.84600 | -.03000 | .10000 | -.18600 | -.18000 | 860.30000 |
| .597 | 1.080 | 10.07000 | .02000 | -.05000 | 4.85100 | -.03000 | .07000 | -.18100 | -.18200 | 860.30000 |
| .596 | 2.140 | 10.03000 | .02000 | -.04000 | 4.84700 | -.02000 | .06000 | -.19100 | -.19500 | 860.30000 |
| .596 | 3.160 | 10.00000 | .02000 | -.04000 | 4.85100 | -.02000 | .06000 | -.20200 | -.19600 | 860.30000 |
| .596 | 4.190 | 9.97000 | -.01000 | -.05000 | 4.85900 | -.06000 | .04000 | -.21600 | -.21700 | 860.30000 |
| .596 | 6.230 | 9.94000 | -.01000 | -.07000 | 4.86200 | -.08000 | .06000 | -.23200 | -.22900 | 860.30000 |
| .596 | 8.270 | 9.94000 | .04000 | -.05000 | 4.95500 | .00000 | .09000 | -.24400 | -.24400 | 860.30000 |
| | GRADIENT | -.00840 | -.00080 | .00476 | -.00342 | .00365 | -.00540 | .00012 | -.00011 | -.00000 |

RUN NO. 337/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -6.170 | 10.04000 | .01000 | -.04000 | 2.30500 | -.02000 | .05000 | -.39500 | -.39500 | 1426.00000 |
| 1.195 | -4.130 | 10.03000 | .02000 | -.04000 | 2.31300 | -.02000 | .07000 | -.38600 | -.38400 | 1426.00000 |
| 1.197 | -3.100 | 10.01000 | .04000 | -.05000 | 2.31100 | -.01000 | .10000 | -.37100 | -.37300 | 1426.00000 |
| 1.197 | -2.070 | 9.99000 | .05000 | -.07000 | 2.31500 | -.02000 | .12000 | -.35900 | -.35700 | 1426.00000 |
| 1.196 | -1.020 | 9.97000 | .06000 | -.08000 | 2.31800 | -.03000 | .14000 | -.35300 | -.35400 | 1426.00000 |
| 1.195 | -.020 | 9.95000 | .02000 | -.04000 | 2.32000 | -.02000 | .06000 | -.34600 | -.34800 | 1426.00000 |
| 1.198 | 1.010 | 10.00000 | .01000 | -.04000 | 2.31600 | -.03000 | .05000 | -.35000 | -.34800 | 1426.00000 |
| 1.197 | 2.080 | 10.04000 | .00000 | -.04000 | 2.31300 | -.04000 | .04000 | -.35800 | -.35800 | 1426.00000 |
| 1.198 | 3.110 | 10.03000 | .00000 | -.04000 | 2.30100 | -.04000 | .04000 | -.37000 | -.36700 | 1426.00000 |
| 1.196 | 4.190 | 10.03000 | .00000 | -.04000 | 2.28100 | -.04000 | .04000 | -.38700 | -.38700 | 1426.00000 |
| 1.198 | 6.280 | 10.01000 | -.01000 | -.05000 | 2.25900 | -.06000 | .04000 | -.39700 | -.39700 | 1426.00000 |
| 1.197 | 8.370 | 10.03000 | -.02000 | -.05000 | 2.26000 | -.07000 | .03000 | -.40400 | -.40200 | 1426.00000 |
| | GRADIENT | .00309 | -.00562 | .00208 | -.00265 | -.00338 | -.00882 | .00003 | .00013 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B17!) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 346/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.990 | -.04000 | -.01000 | -.01000 | -1.77500 | -.02000 | .00000 | -.21300 | -.21100 | 1397.00000 |
| .900 | .010 | -.04000 | -.01000 | -.01000 | -.33500 | -.02000 | .01000 | -.20300 | -.20200 | 1397.00000 |
| .900 | 1.980 | -.03000 | -.04000 | -.02000 | 1.12200 | -.05000 | -.02000 | -.19900 | -.19900 | 1397.00000 |
| .898 | 3.980 | -.03000 | -.04000 | -.02000 | 2.23700 | -.05000 | -.02000 | -.19800 | -.19900 | 1397.00000 |
| .900 | 5.950 | -.02000 | .00000 | -.08000 | 2.88100 | -.08000 | .09000 | -.19800 | -.19700 | 1397.00000 |
| .900 | 8.000 | -.03000 | .02000 | -.06000 | 3.11900 | -.04000 | .07000 | -.19400 | -.19500 | 1397.00000 |
| .898 | 9.960 | -.01000 | -.03000 | -.03000 | 3.13800 | -.06000 | -.01000 | -.20500 | -.20500 | 1397.00000 |
| .900 | 11.950 | -.01000 | .02000 | -.08000 | 2.99900 | -.06000 | .10000 | -.21700 | -.22200 | 1397.00000 |
| .898 | 13.980 | .00000 | -.09000 | .01000 | 2.78800 | -.08000 | -.11000 | -.24500 | -.24200 | 1397.00000 |
| .900 | 15.960 | .01000 | -.02000 | -.03000 | 2.57300 | -.04000 | .01000 | -.26900 | -.27000 | 1397.00000 |
| .902 | 18.030 | .01000 | .00000 | -.04000 | 2.39000 | -.04000 | .04000 | -.30300 | -.30100 | 1397.00000 |
| | GRADIENT | .00201 | -.00603 | -.00201 | .67866 | -.00603 | -.00452 | .00247 | .00196 | .00000 |

RUN NO. 341/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -1.970 | -.05000 | .00000 | -.05000 | -1.49600 | -.05000 | .05000 | -.24500 | -.24700 | 1445.00000 |
| .949 | .050 | -.05000 | .00000 | -.04000 | -.32400 | -.04000 | .04000 | -.23900 | -.24400 | 1445.00000 |
| .947 | 2.060 | -.04000 | .01000 | -.04000 | .97000 | -.03000 | .05000 | -.24000 | -.24800 | 1445.00000 |
| .947 | 4.040 | -.02000 | .01000 | -.04000 | 1.98900 | -.03000 | .05000 | -.24000 | -.23900 | 1445.00000 |
| .948 | 6.050 | -.01000 | .00000 | -.04000 | 2.63300 | -.05000 | .04000 | -.23400 | -.23700 | 1445.00000 |
| .949 | 8.140 | .02000 | -.04000 | -.01000 | 2.92300 | -.06000 | -.03000 | -.23600 | -.24600 | 1445.00000 |
| .949 | 10.130 | .02000 | .03000 | -.03000 | 2.94600 | -.01000 | .06000 | -.24600 | -.25100 | 1445.00000 |
| .948 | 12.100 | .05000 | .03000 | -.06000 | 2.83700 | -.03000 | .09000 | -.25700 | -.26400 | 1445.00000 |
| .947 | 14.090 | .07000 | .01000 | -.04000 | 2.65000 | -.03000 | .05000 | -.28800 | -.29300 | 1445.00000 |
| .946 | 16.120 | .09000 | .04000 | -.07000 | 2.46500 | -.03000 | .10000 | -.32800 | -.32100 | 1445.00000 |
| .948 | 18.070 | .12000 | .01000 | -.05000 | 2.31100 | -.05000 | .06000 | -.35900 | -.36800 | 1445.00000 |
| | GRADIENT | .00498 | .00200 | .00150 | .58636 | .00350 | .00050 | .00070 | .00099 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B171) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 338/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -2.010 | -.04000 | .01000 | -.03000 | -1.14600 | -.02000 | .04000 | -.36100 | -.36000 | 1338.00000 |
| 1.049 | .010 | -.02000 | .01000 | -.03000 | -.24300 | -.02000 | .05000 | -.34100 | -.34400 | 1338.00000 |
| 1.047 | 1.980 | -.02000 | .02000 | -.04000 | .66400 | -.02000 | .07000 | -.34000 | -.34100 | 1338.00000 |
| 1.049 | 4.000 | -.02000 | -.03000 | -.01000 | 1.42300 | -.04000 | -.02000 | -.34300 | -.34500 | 1338.00000 |
| 1.046 | 6.000 | -.03000 | .01000 | -.02000 | 1.95400 | -.02000 | .03000 | -.35100 | -.35200 | 1338.00000 |
| 1.048 | 7.990 | -.04000 | -.01000 | -.05000 | 2.24800 | -.06000 | .04000 | -.35500 | -.35500 | 1338.00000 |
| 1.049 | 9.940 | -.02000 | -.01000 | -.05000 | 2.37700 | -.06000 | .05000 | -.36500 | -.36700 | 1338.00000 |
| 1.046 | 11.940 | -.02000 | -.01000 | -.05000 | 2.39400 | -.06000 | .04000 | -.38100 | -.38200 | 1338.00000 |
| 1.046 | 13.970 | -.02000 | -.01000 | -.06000 | 2.32100 | -.06000 | .05000 | -.40600 | -.40700 | 1338.00000 |
| 1.048 | 16.010 | -.01000 | -.01000 | -.04000 | 2.21300 | -.05000 | .04000 | -.44000 | -.44000 | 1338.00000 |
| 1.047 | 17.980 | -.01000 | .05000 | -.08000 | 2.12200 | -.03000 | .13000 | -.47600 | -.47600 | 1338.00000 |
| | GRADIENT | .00300 | -.00552 | .00251 | .43065 | -.00300 | -.00803 | .00275 | .00240 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B172) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 347/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.990 | 4.16000 | -.01000 | -.05000 | -1.85700 | -.05000 | .04000 | -.22500 | -.22700 | 1398.00000 |
| .899 | -.010 | 4.15000 | .01000 | -.04000 | -.42300 | -.03000 | .04000 | -.22100 | -.23000 | 1398.00000 |
| .899 | 2.000 | 4.15000 | .02000 | -.03000 | 1.07200 | -.01000 | .04000 | -.22200 | -.21100 | 1398.00000 |
| .898 | 3.970 | 4.17000 | .02000 | -.02000 | 2.22500 | -.01000 | .04000 | -.21300 | -.21400 | 1398.00000 |
| .899 | 5.970 | 4.19000 | .00000 | -.01000 | 2.88600 | -.01000 | .01000 | -.21700 | -.20900 | 1398.00000 |
| .896 | 7.970 | 4.23000 | -.03000 | -.01000 | 3.17300 | -.04000 | -.03000 | -.22600 | -.22700 | 1398.00000 |
| .898 | 9.960 | 4.27000 | -.04000 | -.01000 | 3.15300 | -.05000 | -.03000 | -.23300 | -.23700 | 1398.00000 |
| .899 | 12.020 | 4.31000 | .02000 | -.08000 | 2.98600 | -.06000 | .10000 | -.25000 | -.24900 | 1398.00000 |
| .898 | 14.020 | 4.34000 | .00000 | -.07000 | 2.79400 | -.07000 | .07000 | -.27000 | -.26700 | 1398.00000 |
| .899 | 16.050 | 4.36000 | .01000 | -.08000 | 2.59300 | -.07000 | .09000 | -.29300 | -.29000 | 1398.00000 |
| .899 | 18.030 | 4.39000 | .00000 | -.08000 | 2.42700 | -.08000 | .08000 | -.31600 | -.31600 | 1398.00000 |
| | GRADIENT | .00150 | .00503 | .00503 | .69095 | .00704 | -.00000 | .00176 | .00292 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B172) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 342/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.970 | 4.18000 | -.01000 | -.05000 | -1.56100 | -.06000 | .04000 | -.26200 | -.26200 | 1447.00000 |
| .946 | .000 | 4.17000 | -.02000 | -.04000 | -.39500 | -.06000 | .02000 | -.25200 | -.25800 | 1447.00000 |
| .946 | 2.030 | 4.15000 | -.03000 | -.03000 | .85200 | -.06000 | .01000 | -.24600 | -.25200 | 1447.00000 |
| .948 | 4.060 | 4.15000 | -.06000 | -.02000 | 1.89900 | -.08000 | -.04000 | -.25900 | -.26000 | 1447.00000 |
| .946 | 5.970 | 4.15000 | -.02000 | -.04000 | 2.54900 | -.07000 | .02000 | -.25300 | -.25300 | 1447.00000 |
| .947 | 8.040 | 4.17000 | -.03000 | -.05000 | 2.86800 | -.09000 | .02000 | -.24800 | -.25000 | 1447.00000 |
| .948 | 10.010 | 4.18000 | -.02000 | -.05000 | 2.93700 | -.07000 | .03000 | -.26200 | -.25900 | 1447.00000 |
| .947 | 12.020 | 4.16000 | -.02000 | -.05000 | 2.86400 | -.06000 | .03000 | -.28500 | -.28400 | 1447.00000 |
| .948 | 13.980 | 4.16000 | -.02000 | .05000 | 2.67600 | .03000 | -.07000 | -.31300 | -.31000 | 1447.00000 |
| .947 | 16.010 | 4.16000 | -.01000 | -.06000 | 2.49800 | -.06000 | .05000 | -.35700 | -.35900 | 1447.00000 |
| .949 | 17.950 | 4.20000 | -.01000 | -.04000 | 2.33000 | -.05000 | .02000 | -.39900 | -.40000 | 1447.00000 |
| | GRADIENT | -.00546 | -.00796 | .00497 | .57781 | -.00299 | -.01244 | .00073 | .00059 | -.00000 |

RUN NO. 339/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -2.000 | 4.15000 | -.02000 | -.02000 | -1.13600 | -.04000 | .00000 | -.39700 | -.39700 | 1338.00000 |
| 1.049 | -.010 | 4.17000 | -.02000 | -.02000 | -.27600 | -.03000 | .00000 | -.38400 | -.38500 | 1338.00000 |
| 1.047 | 2.030 | 4.16000 | -.01000 | -.02000 | .63900 | -.03000 | .01000 | -.38000 | -.38000 | 1338.00000 |
| 1.047 | 3.960 | 4.17000 | .00000 | -.01000 | 1.38300 | .00000 | .01000 | -.38100 | -.38000 | 1338.00000 |
| 1.048 | 5.960 | 4.18000 | -.03000 | -.05000 | 1.91000 | -.07000 | .02000 | -.38900 | -.38700 | 1338.00000 |
| 1.047 | 8.010 | 4.21000 | -.04000 | -.05000 | 2.19900 | -.09000 | .01000 | -.40400 | -.40500 | 1338.00000 |
| 1.046 | 10.010 | 4.23000 | .00000 | -.06000 | 2.34900 | -.06000 | .06000 | -.41400 | -.41500 | 1338.00000 |
| 1.047 | 12.030 | 4.26000 | -.01000 | -.06000 | 2.37700 | -.07000 | .05000 | -.42000 | -.41900 | 1338.00000 |
| 1.047 | 14.020 | 4.28000 | -.03000 | -.04000 | 2.32700 | -.07000 | .02000 | -.43100 | -.43100 | 1338.00000 |
| 1.047 | 16.060 | 4.29000 | -.01000 | -.05000 | 2.23300 | -.06000 | .04000 | -.45100 | -.44900 | 1338.00000 |
| 1.047 | 18.030 | 4.31000 | -.01000 | -.04000 | 2.12100 | -.05000 | .03000 | -.47500 | -.47400 | 1338.00000 |
| | GRADIENT | .00250 | .00351 | .00149 | .42543 | .00599 | .00202 | .00262 | .00282 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28173) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 348/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -6.320 | 5.02000 | .00000 | -.03000 | 2.63500 | -.03000 | .02000 | -.23500 | -.23900 | 1396.00000 |
| .899 | -4.240 | 4.97000 | .00000 | -.03000 | 2.68500 | -.03000 | .03000 | -.20900 | -.21400 | 1396.00000 |
| .899 | -3.190 | 4.97000 | .00000 | -.03000 | 2.67200 | -.03000 | .03000 | -.20500 | -.20400 | 1396.00000 |
| .898 | -2.130 | 4.97000 | .01000 | -.05000 | 2.65800 | -.04000 | .06000 | -.19400 | -.19400 | 1396.00000 |
| .900 | -1.080 | 4.94000 | -.01000 | -.03000 | 2.60300 | -.04000 | .02000 | -.19400 | -.19400 | 1396.00000 |
| .898 | .000 | 4.94000 | -.01000 | -.02000 | 2.60500 | -.03000 | .01000 | -.19900 | -.19600 | 1396.00000 |
| .899 | 1.020 | 4.97000 | -.01000 | -.02000 | 2.62800 | -.03000 | .01000 | -.20100 | -.20100 | 1396.00000 |
| .899 | 2.090 | 4.96000 | -.01000 | -.02000 | 2.63400 | -.04000 | .01000 | -.20100 | -.20200 | 1396.00000 |
| .901 | 3.120 | 4.96000 | -.01000 | -.02000 | 2.62500 | -.03000 | .02000 | -.21200 | -.20400 | 1396.00000 |
| .898 | 4.170 | 4.94000 | -.01000 | -.03000 | 2.61900 | -.03000 | .02000 | -.22000 | -.21100 | 1396.00000 |
| .898 | 6.270 | 4.92000 | .00000 | -.04000 | 2.55200 | -.04000 | .04000 | -.23500 | -.23600 | 1396.00000 |
| .901 | 8.360 | 4.94000 | .00000 | -.04000 | 2.49000 | -.04000 | .04000 | -.26100 | -.26200 | 1396.00000 |
| | GRADIENT | -.00223 | -.00174 | .00159 | -.00680 | .00016 | -.00286 | -.00136 | -.00017 | -.00000 |

RUN NO. 343/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -6.290 | 5.06000 | -.08000 | -.05000 | 2.22600 | -.13000 | -.03000 | -.26700 | -.26700 | 1442.00000 |
| .948 | -4.220 | 5.02000 | -.04000 | -.03000 | 2.29500 | -.07000 | -.02000 | -.25400 | -.24700 | 1442.00000 |
| .948 | -3.180 | 5.00000 | -.05000 | -.03000 | 2.33900 | -.08000 | -.03000 | -.25300 | -.25000 | 1442.00000 |
| .948 | -2.120 | 5.02000 | .09000 | .05000 | 2.29500 | .14000 | .05000 | -.23900 | -.23800 | 1442.00000 |
| .948 | -1.080 | 4.98000 | .02000 | -.06000 | 2.34300 | -.04000 | .07000 | -.24600 | -.24600 | 1442.00000 |
| .946 | -.010 | 4.99000 | .02000 | -.06000 | 2.32400 | -.04000 | .08000 | -.23300 | -.24600 | 1442.00000 |
| .948 | 1.010 | 5.01000 | .02000 | -.06000 | 2.32500 | -.04000 | .08000 | -.23600 | -.23500 | 1442.00000 |
| .948 | 2.070 | 5.00000 | .03000 | -.08000 | 2.31800 | -.05000 | .11000 | -.24400 | -.24700 | 1442.00000 |
| .948 | 3.090 | 5.01000 | .05000 | -.11000 | 2.31800 | -.06000 | .16000 | -.24600 | -.24300 | 1442.00000 |
| .947 | 4.150 | 4.99000 | .02000 | .01000 | 2.25100 | .03000 | .01000 | -.24900 | -.26200 | 1442.00000 |
| .948 | 6.240 | 4.98000 | -.02000 | -.05000 | 2.15900 | -.07000 | .02000 | -.27100 | -.26700 | 1442.00000 |
| .947 | 8.340 | 4.99000 | -.03000 | -.04000 | 2.10200 | -.07000 | .02000 | -.30400 | -.30400 | 1442.00000 |
| | GRADIENT | -.00160 | .00670 | -.00541 | -.00336 | .00130 | .01307 | .00066 | -.00073 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B173) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 340/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.049 | -6.200 | 5.10000 | -.01000 | -.06000 | 1.74700 | -.07000 | .04000 | -.40700 | -.40800 | 1339.00000 |
| 1.047 | -4.160 | 5.09000 | -.02000 | -.05000 | 1.74900 | -.07000 | .03000 | -.38200 | -.38300 | 1339.00000 |
| 1.046 | -3.100 | 5.09000 | -.02000 | -.06000 | 1.75400 | -.09000 | .04000 | -.37200 | -.37100 | 1339.00000 |
| 1.049 | -2.080 | 5.09000 | -.04000 | -.07000 | 1.75400 | -.11000 | .03000 | -.35600 | -.35500 | 1339.00000 |
| 1.048 | -1.040 | 5.10000 | -.02000 | -.06000 | 1.75100 | -.08000 | .04000 | -.35100 | -.35300 | 1339.00000 |
| 1.048 | -.030 | 5.04000 | -.02000 | -.05000 | 1.74800 | -.07000 | .04000 | -.34800 | -.34800 | 1339.00000 |
| 1.048 | .980 | 5.10000 | -.02000 | -.05000 | 1.75300 | -.07000 | .03000 | -.35100 | -.35100 | 1339.00000 |
| 1.048 | 2.020 | 5.07000 | -.01000 | -.05000 | 1.73500 | -.07000 | .04000 | -.35300 | -.35300 | 1339.00000 |
| 1.047 | 3.060 | 5.05000 | -.01000 | -.05000 | 1.72500 | -.06000 | .05000 | -.37000 | -.37000 | 1339.00000 |
| 1.048 | 4.110 | 5.04000 | .01000 | -.07000 | 1.70700 | -.06000 | .07000 | -.38100 | -.38000 | 1339.00000 |
| 1.047 | 6.210 | 5.02000 | .00000 | -.06000 | 1.68300 | -.06000 | .06000 | -.41300 | -.41400 | 1339.00000 |
| 1.049 | 8.300 | 5.04000 | -.01000 | -.07000 | 1.67200 | -.07000 | .06000 | -.42900 | -.43000 | 1339.00000 |
| | GRADIENT | -.00583 | .00340 | -.00001 | -.00472 | .00355 | .00325 | .00025 | .00033 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B174) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 344/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -6.220 | 14.89000 | .04000 | -.06000 | 2.60800 | -.03000 | .10000 | -.34200 | -.34200 | 1440.00000 |
| .948 | -4.160 | 14.94000 | -.02000 | -.05000 | 2.58400 | -.07000 | .03000 | -.31800 | -.32100 | 1440.00000 |
| .948 | -3.110 | 14.93000 | -.02000 | -.05000 | 2.59100 | -.07000 | .03000 | -.31700 | -.32000 | 1440.00000 |
| .948 | -2.070 | 14.92000 | -.04000 | -.04000 | 2.58700 | -.08000 | .00000 | -.30900 | -.31900 | 1440.00000 |
| .946 | -1.020 | 14.93000 | -.03000 | -.02000 | 2.57600 | -.06000 | -.01000 | -.29400 | -.29800 | 1440.00000 |
| .947 | .040 | 14.92000 | -.03000 | -.04000 | 2.57000 | -.07000 | .01000 | -.31000 | -.30200 | 1440.00000 |
| .947 | 1.070 | 14.92000 | -.02000 | -.04000 | 2.55800 | -.06000 | .02000 | -.29800 | -.30100 | 1440.00000 |
| .949 | 2.130 | 14.92000 | -.01000 | -.05000 | 2.57300 | -.06000 | .04000 | -.31500 | -.30500 | 1440.00000 |
| .945 | 3.170 | 14.91000 | .03000 | -.09000 | 2.59300 | -.06000 | .12000 | -.31000 | -.32300 | 1440.00000 |
| .951 | 4.180 | 14.95000 | .03000 | -.08000 | 2.57800 | -.05000 | .11000 | -.32600 | -.32600 | 1440.00000 |
| .945 | 6.300 | 14.90000 | -.01000 | -.04000 | 2.59800 | -.05000 | .03000 | -.34400 | -.33900 | 1440.00000 |
| .950 | 8.410 | 14.94000 | .00000 | -.05000 | 2.61800 | -.05000 | .04000 | -.33200 | -.33600 | 1440.00000 |
| | GRADIENT | -.00049 | .00669 | -.00446 | -.00102 | .00239 | .01115 | -.00055 | -.00005 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B175) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 15.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 345/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.220 | 14.90000 | .03000 | -.04000 | 2.60300 | -.01000 | .08000 | -.34100 | -.34400 | 1443.00000 |
| .947 | -4.220 | 14.90000 | .02000 | -.03000 | 2.59300 | -.01000 | .05000 | -.31200 | -.30400 | 1443.00000 |
| .948 | -3.180 | 14.90000 | .02000 | -.03000 | 2.58600 | -.01000 | .05000 | -.30300 | -.30400 | 1443.00000 |
| .947 | -2.140 | 14.90000 | .02000 | -.03000 | 2.58400 | -.01000 | .05000 | -.29900 | -.30400 | 1443.00000 |
| .948 | -1.090 | 14.90000 | .02000 | -.02000 | 2.58400 | -.01000 | .04000 | -.30500 | -.30700 | 1443.00000 |
| .949 | -.030 | 14.95000 | .02000 | -.03000 | 2.56300 | -.01000 | .05000 | -.30300 | -.30200 | 1443.00000 |
| .946 | 1.010 | 14.94000 | .02000 | -.04000 | 2.57300 | -.03000 | .06000 | -.30700 | -.30100 | 1443.00000 |
| .949 | 2.090 | 14.95000 | .00000 | -.03000 | 2.57400 | -.04000 | .03000 | -.31800 | -.31200 | 1443.00000 |
| .946 | 3.160 | 14.95000 | .01000 | -.04000 | 2.59300 | -.04000 | .05000 | -.32200 | -.32300 | 1443.00000 |
| .948 | 4.220 | 14.95000 | -.03000 | .03000 | 2.58900 | -.01000 | -.06000 | -.31900 | -.33100 | 1443.00000 |
| .948 | 6.350 | 14.93000 | -.06000 | -.05000 | 2.58800 | -.11000 | -.01000 | -.34800 | -.33900 | 1443.00000 |
| .948 | 8.410 | 14.95000 | -.02000 | -.05000 | 2.61400 | -.06000 | .03000 | -.33300 | -.32800 | 1443.00000 |
| | GRADIENT | .00773 | -.00428 | .00301 | -.00040 | -.00268 | -.00729 | -.00198 | -.00277 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B176) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 366/ 0 RN/L = 6.83 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.940 | -.01000 | -.06000 | -.03000 | -1.88400 | -.09000 | -.03000 | -.22000 | -.22100 | 862.30000 |
| .595 | -.100 | .00000 | -.06000 | -.03000 | -.89700 | -.09000 | -.03000 | -.22100 | -.21600 | 862.30000 |
| .595 | 1.980 | -.01000 | -.06000 | -.03000 | .37900 | -.09000 | -.03000 | -.20900 | -.20300 | 862.30000 |
| .596 | 3.980 | -.01000 | -.06000 | -.03000 | 1.60200 | -.09000 | -.03000 | -.20000 | -.20500 | 862.30000 |
| .596 | 5.980 | .00000 | -.06000 | -.03000 | 2.75000 | -.09000 | -.03000 | -.19900 | -.19800 | 862.30000 |
| .596 | 7.910 | .00000 | -.06000 | -.03000 | 3.59100 | -.09000 | -.03000 | -.19600 | -.19000 | 862.30000 |
| .596 | 9.900 | .00000 | -.06000 | -.03000 | 4.05600 | -.09000 | -.03000 | -.20200 | -.20200 | 862.30000 |
| .595 | 13.860 | .00000 | -.06000 | -.03000 | 3.74000 | -.09000 | -.03000 | -.21400 | -.21800 | 862.30000 |
| .596 | 15.890 | .00000 | -.06000 | -.03000 | 3.24400 | -.09000 | -.03000 | -.22900 | -.23200 | 862.30000 |
| .595 | 17.900 | .00000 | -.06000 | -.03000 | 2.88000 | -.09000 | -.03000 | -.26500 | -.26900 | 862.30000 |
| | GRADIENT | -.00055 | -.00000 | -.00000 | .59184 | .00000 | -.00000 | .00366 | .00308 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B176) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 352/ 0 RN/L = 7.14 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.194 | -2.060 | -.01000 | -.06000 | -.03000 | -.90300 | -.09000 | -.03000 | -.36100 | -.36100 | 1431.00000 |
| 1.197 | -.060 | -.01000 | -.06000 | -.03000 | -.17600 | -.09000 | -.03000 | -.35700 | -.35700 | 1431.00000 |
| 1.195 | 1.950 | .00000 | -.06000 | -.03000 | .53900 | -.09000 | -.03000 | -.35000 | -.35100 | 1431.00000 |
| 1.195 | 3.930 | -.01000 | -.06000 | -.03000 | 1.16200 | -.09000 | -.03000 | -.34700 | -.34900 | 1431.00000 |
| 1.196 | 5.940 | .00000 | -.06000 | -.03000 | 1.64500 | -.09000 | -.03000 | -.34800 | -.34400 | 1431.00000 |
| 1.195 | 7.860 | .00000 | -.06000 | -.03000 | 1.96900 | -.09000 | -.03000 | -.35500 | -.35700 | 1431.00000 |
| 1.197 | 9.880 | .00000 | -.06000 | -.03000 | 2.15200 | -.09000 | -.03000 | -.36100 | -.36100 | 1431.00000 |
| 1.196 | 11.850 | .01000 | -.06000 | -.03000 | 2.22700 | -.09000 | -.03000 | -.37000 | -.37100 | 1431.00000 |
| 1.196 | 13.900 | .01000 | -.06000 | -.03000 | 2.19900 | -.09000 | -.03000 | -.39200 | -.39200 | 1431.00000 |
| 1.196 | 15.850 | .01000 | -.06000 | -.03000 | 2.12200 | -.09000 | -.03000 | -.42500 | -.42500 | 1431.00000 |
| 1.197 | 17.850 | .00000 | -.06000 | -.03000 | 2.03300 | -.09000 | -.03000 | -.44200 | -.44000 | 1431.00000 |
| | GRADIENT | .00051 | -.00000 | -.00000 | .34588 | .00000 | -.00000 | .00245 | .00210 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B177) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 367/ 0 RN/L = 6.86 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .595 | -1.940 | 4.12000 | -.06000 | -.03000 | -1.89100 | -.09000 | -.03000 | -.23700 | -.24200 | 861.50000 |
| .595 | -.100 | 4.11000 | -.06000 | -.03000 | -.85600 | -.09000 | -.03000 | -.23700 | -.23800 | 861.50000 |
| .595 | 2.000 | 4.10000 | -.06000 | -.03000 | .44400 | -.09000 | -.03000 | -.23500 | -.23300 | 861.50000 |
| .595 | 3.990 | 4.09000 | -.06000 | -.03000 | 1.70800 | -.09000 | -.03000 | -.23700 | -.23700 | 861.50000 |
| .595 | 5.990 | 4.09000 | -.06000 | -.03000 | 2.85500 | -.09000 | -.03000 | -.23800 | -.23500 | 861.50000 |
| .596 | 7.890 | 4.09000 | -.05000 | -.03000 | 3.68600 | -.09000 | -.03000 | -.23600 | -.23600 | 861.50000 |
| .595 | 9.890 | 4.09000 | -.06000 | -.03000 | 4.16000 | -.09000 | -.03000 | -.23400 | -.23700 | 861.50000 |
| .595 | 11.880 | 4.09000 | -.06000 | -.03000 | 4.22300 | -.09000 | -.03000 | -.24200 | -.23800 | 861.50000 |
| .594 | 13.850 | 4.09000 | -.06000 | -.03000 | 3.79000 | -.09000 | -.03000 | -.25000 | -.25300 | 861.50000 |
| .595 | 15.910 | 4.11000 | -.06000 | -.03000 | 3.28300 | -.09000 | -.03000 | -.25500 | -.26100 | 861.50000 |
| .596 | 17.920 | 4.12000 | -.06000 | -.03000 | 2.92400 | -.09000 | -.03000 | -.28600 | -.28300 | 861.50000 |
| | GRADIENT | -.00502 | -.00000 | -.00000 | .60853 | -.00000 | -.00000 | .00010 | .00100 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B177) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 353/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.195 | -2.030 | 4.20000 | -.06000 | -.03000 | -.88900 | -.09000 | -.03000 | -.40200 | -.40300 | 1431.00000 |
| 1.197 | -.060 | 4.18000 | -.06000 | -.03000 | -.19800 | -.09000 | -.03000 | -.38800 | -.39000 | 1431.00000 |
| 1.196 | 1.980 | 4.18000 | -.06000 | -.03000 | .51100 | -.09000 | -.03000 | -.37900 | -.38200 | 1431.00000 |
| 1.196 | 3.910 | 4.17000 | -.06000 | -.03000 | 1.12400 | -.09000 | -.03000 | -.37500 | -.37400 | 1431.00000 |
| 1.196 | 5.930 | 4.16000 | -.06000 | -.03000 | 1.61500 | -.09000 | -.03000 | -.38300 | -.38300 | 1431.00000 |
| 1.197 | 7.870 | 4.16000 | -.06000 | -.03000 | 1.92900 | -.09000 | -.03000 | -.39900 | -.40100 | 1431.00000 |
| 1.194 | 9.920 | 4.17000 | -.06000 | -.03000 | 2.12800 | -.09000 | -.03000 | -.40900 | -.41100 | 1431.00000 |
| 1.196 | 11.870 | 4.17000 | -.06000 | -.03000 | 2.19300 | -.09000 | -.03000 | -.42200 | -.41900 | 1431.00000 |
| 1.195 | 13.920 | 4.19000 | -.06000 | -.03000 | 2.18800 | -.09000 | -.03000 | -.42800 | -.42700 | 1431.00000 |
| 1.197 | 15.860 | 4.20000 | -.06000 | -.03000 | 2.12100 | -.09000 | -.03000 | -.45300 | -.45100 | 1431.00000 |
| 1.195 | 17.870 | 4.23000 | -.06000 | -.03000 | 2.03500 | -.09000 | -.03000 | -.46700 | -.46400 | 1431.00000 |
| | GRADIENT | -.00452 | .00000 | .00000 | .33984 | .00000 | .00000 | .00454 | .00478 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B178) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 368/ 0 RN/L = 6.88 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .595 | -6.140 | 9.88000 | -.06000 | -.03000 | 4.22900 | -.09000 | -.03000 | -.25700 | -.25500 | 862.00000 |
| .596 | -4.100 | 9.88000 | -.06000 | -.03000 | 4.20500 | -.09000 | -.03000 | -.24200 | -.24100 | 862.00000 |
| .594 | -3.070 | 9.87000 | -.06000 | -.03000 | 4.15900 | -.09000 | -.03000 | -.22300 | -.22300 | 862.00000 |
| .595 | -2.050 | 9.88000 | -.06000 | -.03000 | 4.10500 | -.09000 | -.03000 | -.20600 | -.21200 | 862.00000 |
| .595 | -1.030 | 9.88000 | -.06000 | -.03000 | 4.09000 | -.09000 | -.03000 | -.19700 | -.20200 | 862.00000 |
| .595 | .010 | 9.88000 | -.06000 | -.03000 | 4.12300 | -.09000 | -.03000 | -.20400 | -.19700 | 862.00000 |
| .595 | 1.010 | 9.89000 | -.06000 | -.03000 | 4.09100 | -.09000 | -.03000 | -.20900 | -.20600 | 862.00000 |
| .595 | 2.050 | 9.89000 | -.06000 | -.03000 | 4.09100 | -.09000 | -.03000 | -.21500 | -.21400 | 862.00000 |
| .595 | 3.070 | 9.88000 | -.06000 | -.03000 | 4.14700 | -.09000 | -.03000 | -.22900 | .00000 | 862.00000 |
| .596 | 4.100 | 9.87000 | -.06000 | -.03000 | 4.16800 | -.09000 | -.03000 | -.22900 | -.23800 | 862.00000 |
| .595 | 6.150 | 9.86000 | -.06000 | -.03000 | 4.18800 | -.09000 | -.03000 | -.25300 | -.25700 | 862.00000 |
| .595 | 8.210 | 9.88000 | -.06000 | -.03000 | 4.20600 | -.09000 | -.03000 | -.27400 | -.27000 | 862.00000 |
| | GRADIENT | .00032 | .00000 | .00000 | -.00342 | -.00000 | .00000 | .00006 | .01094 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B178) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 354/ 0 RN/L = 6.92 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -6.240 | 9.85000 | -.06000 | -.03000 | 2.14700 | -.09000 | -.03000 | -.40800 | -.40600 | 1431.00000 |
| 1.195 | -4.160 | 9.84000 | -.06000 | -.03000 | 2.15300 | -.09000 | -.03000 | -.39600 | -.39500 | 1431.00000 |
| 1.196 | -3.130 | 9.83000 | -.06000 | -.03000 | 2.15600 | -.09000 | -.03000 | -.38400 | -.38600 | 1431.00000 |
| 1.196 | -2.090 | 9.83000 | -.06000 | -.03000 | 2.15600 | -.09000 | -.03000 | -.37300 | -.37400 | 1431.00000 |
| 1.195 | -1.040 | 9.81000 | -.06000 | -.03000 | 2.15100 | -.09000 | -.03000 | -.36400 | -.36400 | 1431.00000 |
| 1.196 | .000 | 9.80000 | -.06000 | -.03000 | 2.14300 | -.09000 | -.03000 | -.36400 | -.36200 | 1431.00000 |
| 1.195 | 1.040 | 9.81000 | -.06000 | -.03000 | 2.14700 | -.09000 | -.03000 | -.36500 | -.36400 | 1431.00000 |
| 1.197 | 2.080 | 9.81000 | -.06000 | -.03000 | 2.14100 | -.09000 | -.03000 | -.37600 | -.37900 | 1431.00000 |
| 1.197 | 3.120 | 9.81000 | -.06000 | -.03000 | 2.13200 | -.09000 | -.03000 | -.39700 | -.39400 | 1431.00000 |
| 1.196 | 4.160 | 9.81000 | -.06000 | -.03000 | 2.12300 | -.09000 | -.03000 | -.40700 | -.40600 | 1431.00000 |
| 1.196 | 6.250 | 9.81000 | -.06000 | -.03000 | 2.09300 | -.09000 | -.03000 | -.41200 | -.41200 | 1431.00000 |
| 1.198 | 8.340 | 9.82000 | -.06000 | -.03000 | 2.08600 | -.09000 | -.03000 | -.42000 | -.42000 | 1431.00000 |
| | GRADIENT | -.00352 | -.00000 | -.00000 | -.00362 | -.00000 | -.00000 | -.00144 | -.00125 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B179) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 363/ 0 RN/L = 7.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -2.060 | -.01000 | -.06000 | -.03000 | -1.76500 | -.09000 | -.03000 | -.25200 | -.25400 | 1407.00000 |
| .898 | -.100 | -.01000 | -.06000 | -.03000 | -.67700 | -.09000 | -.03000 | -.24500 | -.24300 | 1407.00000 |
| .898 | 1.990 | -.01000 | -.06000 | -.03000 | .59200 | -.09000 | -.03000 | -.23900 | -.23800 | 1407.00000 |
| .897 | 3.900 | -.01000 | -.06000 | -.03000 | 1.55900 | -.09000 | -.03000 | -.23700 | -.23700 | 1407.00000 |
| .896 | 6.020 | .00000 | -.06000 | -.03000 | 2.28400 | -.09000 | -.03000 | -.22500 | -.22700 | 1407.00000 |
| .899 | 7.960 | .00000 | -.06000 | -.03000 | 2.65200 | -.09000 | -.03000 | -.21600 | -.22000 | 1407.00000 |
| .897 | 9.940 | .00000 | -.06000 | -.03000 | 2.78800 | -.09000 | -.03000 | -.23200 | -.23400 | 1407.00000 |
| .898 | 11.910 | .00000 | -.06000 | -.03000 | 2.74700 | -.09000 | -.03000 | -.24600 | -.24700 | 1407.00000 |
| .896 | 13.910 | .01000 | -.06000 | -.03000 | 2.63100 | -.09000 | -.03000 | -.27000 | -.27200 | 1407.00000 |
| .898 | 15.910 | .01000 | -.06000 | -.03000 | 2.44800 | -.09000 | -.03000 | -.28500 | -.28900 | 1407.00000 |
| .897 | 17.930 | .01000 | -.06000 | -.03000 | 2.30600 | -.09000 | -.03000 | -.33000 | -.34000 | 1407.00000 |
| | GRADIENT | -.00000 | -.00000 | -.00000 | .56319 | .00000 | -.00000 | .00256 | .00281 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B179) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 358/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -2.060 | -.01000 | -.06000 | -.03000 | -1.48000 | -.09000 | -.03000 | -.27200 | -.27500 | 1455.00000 |
| .946 | -.080 | -.01000 | -.06000 | -.03000 | -.52800 | -.09000 | -.03000 | -.26300 | -.26300 | 1455.00000 |
| .947 | 2.010 | -.01000 | -.06000 | -.03000 | .57300 | -.09000 | -.03000 | -.24900 | -.25200 | 1455.00000 |
| .947 | 3.950 | -.01000 | -.06000 | -.03000 | 1.49300 | -.09000 | -.03000 | -.25800 | -.25900 | 1455.00000 |
| .946 | 5.950 | -.01000 | -.06000 | -.03000 | 2.18400 | -.09000 | -.03000 | -.25000 | -.25300 | 1455.00000 |
| .947 | 7.850 | -.01000 | -.06000 | -.03000 | 2.55600 | -.09000 | -.03000 | -.25900 | -.25900 | 1455.00000 |
| .947 | 9.860 | -.02000 | -.06000 | -.03000 | 2.70000 | -.09000 | -.03000 | -.26000 | -.26800 | 1455.00000 |
| .947 | 11.960 | -.03000 | -.06000 | -.03000 | 2.64000 | -.09000 | -.03000 | -.28300 | -.27600 | 1455.00000 |
| .946 | 13.890 | -.03000 | -.06000 | -.03000 | 2.51200 | -.09000 | -.03000 | -.30400 | -.30300 | 1455.00000 |
| .945 | 15.780 | -.04000 | -.06000 | -.03000 | 2.38900 | -.09000 | -.03000 | -.32700 | -.33200 | 1455.00000 |
| .948 | 17.990 | -.05000 | -.06000 | -.03000 | 2.24000 | -.09000 | -.03000 | -.36300 | -.36000 | 1455.00000 |
| | GRADIENT | .00000 | -.00000 | -.00000 | .49815 | .00000 | -.00000 | .00281 | .00295 | -.00000 |

RUN NO. 355/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -2.060 | .00000 | -.06000 | -.03000 | -1.16400 | -.09000 | -.03000 | -.37800 | -.37800 | 1554.00000 |
| 1.047 | -.060 | .00000 | -.06000 | -.03000 | -.39300 | -.09000 | -.03000 | -.36700 | -.36200 | 1554.00000 |
| 1.046 | 2.060 | .00000 | -.06000 | -.03000 | .48500 | -.09000 | -.03000 | -.35600 | -.35600 | 1554.00000 |
| 1.046 | 4.010 | .00000 | -.06000 | -.03000 | 1.19500 | -.09000 | -.03000 | -.35900 | -.35900 | 1554.00000 |
| 1.045 | 6.100 | .00000 | -.06000 | -.03000 | 1.73800 | -.09000 | -.03000 | -.37100 | -.37000 | 1554.00000 |
| 1.047 | 7.900 | .00000 | -.06000 | -.03000 | 2.04100 | -.09000 | -.03000 | -.37700 | -.37700 | 1554.00000 |
| 1.045 | 9.850 | .01000 | -.06000 | -.03000 | 2.21200 | -.09000 | -.03000 | -.38600 | -.38600 | 1554.00000 |
| 1.049 | 11.860 | .01000 | -.06000 | -.03000 | 2.27200 | -.09000 | -.03000 | -.39300 | -.39300 | 1554.00000 |
| 1.046 | 13.860 | .01000 | -.06000 | -.03000 | 2.22600 | -.09000 | -.03000 | -.41800 | -.41600 | 1554.00000 |
| 1.046 | 15.870 | .01000 | -.06000 | -.03000 | 2.13700 | -.09000 | -.03000 | -.44700 | -.44800 | 1554.00000 |
| 1.045 | 17.870 | .01000 | -.06000 | -.03000 | 2.07000 | -.09000 | -.03000 | -.48400 | -.48400 | 1554.00000 |
| | GRADIENT | .00000 | .00000 | .00000 | .39143 | .00000 | .00000 | .00336 | .00311 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28180) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 364/ 0 RN/L = 7.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -2.080 | 4.19000 | -.06000 | -.03000 | -1.79200 | -.09000 | -.03000 | -.26900 | -.27200 | 1406.00000 |
| .899 | -.110 | 4.18000 | -.06000 | -.03000 | -.69300 | -.09000 | -.03000 | -.26700 | -.26400 | 1406.00000 |
| .897 | 1.970 | 4.17000 | -.06000 | -.03000 | .55300 | -.09000 | -.03000 | -.25800 | -.26500 | 1406.00000 |
| .897 | 3.890 | 4.16000 | -.06000 | -.03000 | 1.59900 | -.09000 | -.03000 | -.25200 | -.25100 | 1406.00000 |
| .898 | 6.030 | 4.17000 | -.06000 | -.03000 | 2.37900 | -.09000 | -.03000 | -.25100 | -.24500 | 1406.00000 |
| .898 | 7.880 | 4.17000 | -.06000 | -.03000 | 2.72700 | -.09000 | -.03000 | -.25200 | -.24800 | 1406.00000 |
| .899 | 9.940 | 4.17000 | -.06000 | -.03000 | 2.83000 | -.09000 | -.03000 | -.25300 | -.25900 | 1406.00000 |
| .896 | 11.930 | 4.18000 | -.06000 | -.03000 | 2.76100 | -.09000 | -.03000 | -.26900 | -.26700 | 1406.00000 |
| .899 | 13.910 | 4.20000 | -.06000 | -.03000 | 2.61200 | -.09000 | -.03000 | -.30500 | -.29800 | 1406.00000 |
| .897 | 15.880 | 4.23000 | -.06000 | -.03000 | 2.46800 | -.09000 | -.03000 | -.32200 | -.31600 | 1406.00000 |
| .898 | 17.910 | 4.26000 | -.06000 | -.03000 | 2.32600 | -.09000 | -.03000 | -.33000 | -.32900 | 1406.00000 |
| | GRADIENT | -.00500 | .00000 | .00000 | .57138 | .00000 | .00000 | .00301 | .00308 | .00000 |

RUN NO. 359/ 0 RN/L = 7.91 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.070 | -.01000 | -.06000 | -.03000 | -1.50800 | -.09000 | -.03000 | -.27200 | -.27200 | 1456.00000 |
| .947 | -.090 | -.01000 | -.06000 | -.03000 | -.54600 | -.09000 | -.03000 | -.25600 | -.25300 | 1456.00000 |
| .948 | 2.010 | -.01000 | -.06000 | -.03000 | .60100 | -.09000 | -.03000 | -.26400 | -.27200 | 1456.00000 |
| .945 | 3.950 | -.01000 | -.06000 | -.03000 | 1.51300 | -.09000 | -.03000 | -.25800 | -.26500 | 1456.00000 |
| .948 | 5.900 | -.01000 | -.06000 | -.03000 | 2.16200 | -.09000 | -.03000 | -.25000 | -.25700 | 1456.00000 |
| .948 | 7.880 | -.02000 | -.06000 | -.03000 | 2.55500 | -.09000 | -.03000 | -.25900 | -.25500 | 1456.00000 |
| .948 | 9.940 | -.02000 | -.06000 | -.03000 | 2.69200 | -.09000 | -.03000 | -.26300 | -.26600 | 1456.00000 |
| .948 | 11.880 | -.02000 | -.06000 | -.03000 | 2.64500 | -.09000 | -.03000 | -.26900 | -.27100 | 1456.00000 |
| .947 | 13.900 | -.03000 | -.06000 | -.03000 | 2.51600 | -.09000 | -.03000 | -.30400 | -.30700 | 1456.00000 |
| .947 | 15.940 | -.04000 | -.06000 | -.03000 | 2.38000 | -.09000 | -.03000 | -.34000 | -.33800 | 1456.00000 |
| .947 | 17.860 | -.05000 | -.06000 | -.03000 | 2.25300 | -.09000 | -.03000 | -.36700 | -.36700 | 1456.00000 |
| | GRADIENT | .00000 | .00000 | .00000 | .50665 | .00000 | .00000 | .00166 | .00006 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B180) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 356/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -2.070 | 4.21000 | -.06000 | -.03000 | -1.15500 | -.09000 | -.03000 | -.41000 | -.41200 | 1558.00000 |
| 1.046 | -.070 | 4.19000 | -.06000 | -.03000 | -.40200 | -.09000 | -.03000 | -.41500 | -.41500 | 1558.00000 |
| 1.046 | 2.050 | 4.18000 | -.06000 | -.03000 | .45400 | -.09000 | -.03000 | -.42000 | -.42000 | 1558.00000 |
| 1.046 | 4.000 | 4.17000 | -.06000 | -.03000 | 1.14900 | -.09000 | -.03000 | -.42400 | -.42400 | 1558.00000 |
| 1.046 | 5.940 | 4.17000 | -.06000 | -.03000 | 1.65600 | -.09000 | -.03000 | -.43200 | -.43300 | 1558.00000 |
| 1.045 | 7.900 | 4.16000 | -.06000 | -.03000 | 1.95300 | -.09000 | -.03000 | -.44600 | -.44800 | 1558.00000 |
| 1.046 | 9.900 | 4.16000 | -.06000 | -.03000 | 2.15000 | -.09000 | -.03000 | -.45300 | -.45400 | 1558.00000 |
| 1.048 | 11.880 | 4.17000 | -.06000 | -.03000 | 2.23800 | -.09000 | -.03000 | -.44800 | -.44800 | 1558.00000 |
| 1.044 | 13.840 | 4.18000 | -.06000 | -.03000 | 2.21200 | -.09000 | -.03000 | -.46400 | -.46500 | 1558.00000 |
| 1.047 | 15.830 | 4.20000 | -.06000 | -.03000 | 2.16000 | -.09000 | -.03000 | -.47800 | -.47900 | 1558.00000 |
| 1.046 | 17.840 | 4.23000 | -.06000 | -.03000 | 2.07100 | -.09000 | -.03000 | -.49600 | -.49900 | 1558.00000 |
| | GRADIENT | -.00639 | -.00000 | -.00000 | .38223 | -.00000 | -.00000 | -.00231 | -.00202 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B181) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 365/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -6.240 | 4.94000 | -.06000 | -.03000 | 2.13400 | -.09000 | -.03000 | -.27500 | -.27000 | 1408.00000 |
| .897 | -4.170 | 4.94000 | -.06000 | -.03000 | 2.10100 | -.09000 | -.03000 | -.25100 | -.25100 | 1408.00000 |
| .899 | -3.130 | 4.95000 | -.06000 | -.03000 | 2.07600 | -.09000 | -.03000 | -.24000 | -.23600 | 1408.00000 |
| .898 | -2.090 | 4.95000 | -.06000 | -.03000 | 2.05000 | -.09000 | -.03000 | -.22900 | -.22800 | 1408.00000 |
| .897 | -1.040 | 4.95000 | -.06000 | -.03000 | 2.01400 | -.09000 | -.03000 | -.22600 | -.23000 | 1408.00000 |
| .897 | .010 | 4.95000 | -.06000 | -.03000 | 1.97600 | -.09000 | -.03000 | -.22700 | -.22700 | 1408.00000 |
| .899 | 1.040 | 4.95000 | -.06000 | -.03000 | 1.99800 | -.09000 | -.03000 | -.23200 | -.23600 | 1408.00000 |
| .898 | 2.100 | 4.94000 | -.06000 | -.03000 | 2.02100 | -.09000 | -.03000 | -.23700 | -.23400 | 1408.00000 |
| .897 | 3.140 | 4.93000 | -.06000 | -.03000 | 2.02800 | -.09000 | -.03000 | -.24500 | -.24500 | 1408.00000 |
| .897 | 4.180 | 4.92000 | -.06000 | -.03000 | 2.03700 | -.09000 | -.03000 | -.25000 | -.25000 | 1408.00000 |
| .897 | 6.280 | 4.90000 | -.06000 | -.03000 | 1.98200 | -.09000 | -.03000 | -.26900 | -.27300 | 1408.00000 |
| .897 | 8.360 | 4.90000 | -.06000 | -.03000 | 2.02300 | -.09000 | -.03000 | -.30500 | -.30300 | 1408.00000 |
| | GRADIENT | -.00255 | .00000 | .00000 | -.00756 | -.00000 | .00000 | -.00053 | -.00065 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B181) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 360/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.230 | 4.99000 | -.06000 | -.03000 | 1.85900 | -.09000 | -.03000 | -.32100 | -.32300 | 1458.00000 |
| .947 | -4.160 | 4.99000 | -.06000 | -.03000 | 1.93900 | -.09000 | -.03000 | -.30300 | -.30400 | 1458.00000 |
| .947 | -3.120 | 4.99000 | -.06000 | -.03000 | 1.93200 | -.09000 | -.03000 | -.27700 | -.28000 | 1458.00000 |
| .947 | -2.090 | 4.99000 | -.06000 | -.03000 | 1.92500 | -.09000 | -.03000 | -.27300 | -.26900 | 1458.00000 |
| .948 | -1.040 | 4.99000 | -.06000 | -.03000 | 1.89200 | -.09000 | -.03000 | -.25600 | -.26500 | 1458.00000 |
| .947 | .010 | 4.98000 | -.06000 | -.03000 | 1.90000 | -.09000 | -.03000 | -.26000 | -.26000 | 1458.00000 |
| .948 | 1.030 | 4.99000 | -.06000 | -.03000 | 1.89900 | -.09000 | -.03000 | -.26300 | -.25700 | 1458.00000 |
| .947 | 2.090 | 4.98000 | -.06000 | -.03000 | 1.89100 | -.09000 | -.03000 | -.26800 | -.27100 | 1458.00000 |
| .949 | 3.120 | 4.98000 | -.06000 | -.03000 | 1.90100 | -.09000 | -.03000 | -.28800 | -.28700 | 1458.00000 |
| .947 | 6.260 | 4.95000 | -.06000 | -.03000 | 1.73900 | -.09000 | -.03000 | -.30900 | -.31200 | 1458.00000 |
| .950 | 8.350 | 4.95000 | -.06000 | -.03000 | 1.70200 | -.09000 | -.03000 | -.34900 | -.34800 | 1458.00000 |
| | GRADIENT | -.00149 | .00000 | .00000 | -.00619 | .00000 | .00000 | .00201 | .00234 | .00000 |

RUN NO. 357/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -6.250 | 4.96000 | -.06000 | -.03000 | 1.48700 | -.09000 | -.03000 | -.43300 | -.43200 | 1555.00000 |
| 1.044 | -4.170 | 4.94000 | -.06000 | -.03000 | 1.47900 | -.09000 | -.03000 | -.41800 | -.41800 | 1555.00000 |
| 1.048 | -3.130 | 4.94000 | -.06000 | -.03000 | 1.47700 | -.09000 | -.03000 | -.39700 | -.39800 | 1555.00000 |
| 1.045 | -2.090 | 4.94000 | -.06000 | -.03000 | 1.48100 | -.09000 | -.03000 | -.38300 | -.38500 | 1555.00000 |
| 1.047 | -1.040 | 4.94000 | -.06000 | -.03000 | 1.47400 | -.09000 | -.03000 | -.36800 | -.36900 | 1555.00000 |
| 1.046 | .010 | 4.94000 | -.06000 | -.03000 | 1.47300 | -.09000 | -.03000 | -.37000 | -.36700 | 1555.00000 |
| 1.048 | 1.030 | 4.95000 | -.06000 | -.03000 | 1.47400 | -.09000 | -.03000 | -.37200 | -.37200 | 1555.00000 |
| 1.045 | 2.100 | 4.95000 | -.06000 | -.03000 | 1.45700 | -.09000 | -.03000 | -.39400 | -.39200 | 1555.00000 |
| 1.047 | 3.130 | 4.95000 | -.06000 | -.03000 | 1.45100 | -.09000 | -.03000 | -.41100 | -.41100 | 1555.00000 |
| 1.045 | 4.180 | 4.94000 | -.06000 | -.03000 | 1.43200 | -.09000 | -.03000 | -.42900 | -.42900 | 1555.00000 |
| 1.046 | 6.270 | 4.93000 | -.06000 | -.03000 | 1.40600 | -.09000 | -.03000 | -.44100 | -.44200 | 1555.00000 |
| 1.046 | 8.370 | 4.95000 | -.06000 | -.03000 | 1.40200 | -.09000 | -.03000 | -.46400 | -.46400 | 1555.00000 |
| | GRADIENT | .00096 | .00000 | .00000 | -.00502 | -.00000 | .00000 | -.00179 | -.00160 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B182) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 361/ 0 RN/L = 7.91 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.210 | 14.89000 | -.06000 | -.03000 | 2.47100 | -.09000 | -.03000 | -.35900 | -.36000 | 1456.00000 |
| .948 | -4.130 | 14.89000 | -.06000 | -.03000 | 2.45200 | -.09000 | -.03000 | -.35300 | -.35200 | 1456.00000 |
| .946 | -3.090 | 14.89000 | -.06000 | -.03000 | 2.44400 | -.09000 | -.03000 | -.33700 | -.33500 | 1456.00000 |
| .948 | -2.050 | 14.89000 | -.06000 | -.03000 | 2.43900 | -.09000 | -.03000 | -.33300 | -.33600 | 1456.00000 |
| .946 | -1.010 | 14.86000 | -.06000 | -.03000 | 2.44100 | -.09000 | -.03000 | -.32800 | -.32400 | 1456.00000 |
| .947 | .050 | 14.88000 | -.06000 | -.03000 | 2.44900 | -.09000 | -.03000 | -.30700 | -.31000 | 1456.00000 |
| .947 | 1.070 | 14.87000 | -.06000 | -.03000 | 2.45000 | -.09000 | -.03000 | -.32300 | -.32800 | 1456.00000 |
| .949 | 2.140 | 14.89000 | -.06000 | -.03000 | 2.44800 | -.09000 | -.03000 | -.35100 | -.34900 | 1456.00000 |
| .945 | 3.120 | 14.86000 | -.06000 | -.03000 | 2.45800 | -.09000 | -.03000 | -.35600 | -.35800 | 1456.00000 |
| .947 | 4.170 | 14.88000 | -.06000 | -.03000 | 2.46500 | -.09000 | -.03000 | -.35100 | -.35000 | 1456.00000 |
| .948 | 6.280 | 14.87000 | -.06000 | -.03000 | 2.47500 | -.09000 | -.03000 | -.36100 | -.35500 | 1456.00000 |
| .949 | 8.390 | 14.90000 | -.06000 | -.03000 | 2.49700 | -.09000 | -.03000 | -.35500 | -.35600 | 1456.00000 |
| | GRADIENT | -.00192 | -.00000 | -.00000 | .00194 | -.00000 | -.00000 | -.00127 | -.00145 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B183) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 40.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 362/ 0 RN/L = 7.90 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -6.210 | 14.90000 | -.06000 | -.03000 | 2.47300 | -.09000 | -.03000 | -.35100 | -.33600 | 1455.00000 |
| .946 | -4.210 | 14.87000 | -.06000 | -.03000 | 2.45800 | -.09000 | -.03000 | -.34500 | -.34600 | 1455.00000 |
| .948 | -3.160 | 14.88000 | -.06000 | -.03000 | 2.44800 | -.09000 | -.03000 | -.34200 | -.33900 | 1455.00000 |
| .949 | -2.120 | 14.88000 | -.06000 | -.03000 | 2.44600 | -.09000 | -.03000 | -.33300 | -.33300 | 1455.00000 |
| .948 | -1.070 | 14.88000 | -.06000 | -.03000 | 2.45000 | -.09000 | -.03000 | -.31700 | -.31200 | 1455.00000 |
| .948 | -.030 | 14.89000 | -.06000 | -.03000 | 2.45300 | -.09000 | -.03000 | -.30800 | -.30500 | 1455.00000 |
| .949 | 1.010 | 14.90000 | -.06000 | -.03000 | 2.45400 | -.09000 | -.03000 | -.32300 | -.32700 | 1455.00000 |
| .947 | 2.060 | 14.89000 | -.06000 | -.03000 | 2.45400 | -.09000 | -.03000 | -.34300 | -.34700 | 1455.00000 |
| .946 | 3.120 | 14.88000 | -.06000 | -.03000 | 2.45800 | -.09000 | -.03000 | -.35000 | -.35000 | 1455.00000 |
| .947 | 4.180 | 14.87000 | -.06000 | -.03000 | 2.46700 | -.09000 | -.03000 | -.35700 | -.35600 | 1455.00000 |
| .948 | 6.320 | 14.86000 | -.06000 | -.03000 | 2.47900 | -.09000 | -.03000 | -.36800 | -.37000 | 1455.00000 |
| .947 | 8.380 | 14.87000 | -.06000 | -.03000 | 2.50400 | -.09000 | -.03000 | -.36000 | -.36500 | 1455.00000 |
| | GRADIENT | .00063 | -.00000 | -.00000 | .00137 | .00000 | -.00000 | -.00157 | -.00185 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B184) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 383/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -2.030 | -.01000 | -.06000 | -.03000 | -1.59800 | -.09000 | -.03000 | -.31100 | -.30900 | 879.80000 |
| .597 | -.030 | -.01000 | -.06000 | -.03000 | -.84600 | -.09000 | -.03000 | -.30200 | -.30300 | 879.80000 |
| .598 | 1.970 | -.01000 | -.06000 | -.03000 | .00700 | -.09000 | -.03000 | -.29800 | -.29600 | 879.80000 |
| .597 | 4.000 | -.01000 | -.06000 | -.03000 | .92600 | -.09000 | -.03000 | -.28200 | -.28700 | 879.80000 |
| .598 | 5.950 | -.01000 | -.06000 | -.03000 | 1.77600 | -.09000 | -.03000 | -.27300 | -.27700 | 879.80000 |
| .598 | 7.870 | .00000 | -.06000 | -.03000 | 2.51000 | -.09000 | -.03000 | -.27200 | -.27300 | 879.80000 |
| .598 | 9.900 | .00000 | -.06000 | -.03000 | 3.04900 | -.09000 | -.03000 | -.26300 | -.26600 | 879.80000 |
| .597 | 11.880 | .00000 | -.06000 | -.03000 | 3.28200 | -.09000 | -.03000 | -.26800 | -.26500 | 879.80000 |
| .597 | 13.920 | .00000 | -.06000 | -.03000 | 3.15500 | -.09000 | -.03000 | -.27300 | -.27800 | 879.80000 |
| .599 | 15.880 | .00000 | -.06000 | -.03000 | 2.85700 | -.09000 | -.03000 | -.29600 | -.29100 | 879.80000 |
| .598 | 17.910 | .00000 | -.06000 | -.03000 | 2.58200 | -.09000 | -.03000 | -.32100 | -.32100 | 879.80000 |
| | GRADIENT | .00000 | -.00000 | -.00000 | .41942 | .00000 | -.00000 | .00453 | .00363 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B184) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 369/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.200 | -1.960 | -.04000 | -.06000 | -.03000 | -.83300 | -.09000 | -.03000 | -.37300 | -.37300 | 1435.00000 |
| 1.204 | -.030 | -.05000 | -.06000 | -.03000 | -.25700 | -.09000 | -.03000 | -.37400 | -.37600 | 1435.00000 |
| 1.200 | 2.040 | -.03000 | -.06000 | -.03000 | .36700 | -.09000 | -.03000 | -.37800 | -.38200 | 1435.00000 |
| 1.201 | 3.980 | -.03000 | -.06000 | -.03000 | .88600 | -.09000 | -.03000 | -.38300 | -.38600 | 1435.00000 |
| 1.202 | 5.920 | -.03000 | -.06000 | -.03000 | 1.32100 | -.09000 | -.03000 | -.38800 | -.38600 | 1435.00000 |
| 1.201 | 7.980 | -.04000 | -.06000 | -.03000 | 1.66200 | -.09000 | -.03000 | -.39800 | -.39600 | 1435.00000 |
| 1.200 | 9.930 | -.02000 | -.06000 | -.03000 | 1.85800 | -.09000 | -.03000 | -.41000 | -.40900 | 1435.00000 |
| 1.202 | 11.950 | -.02000 | -.06000 | -.03000 | 1.97600 | -.09000 | -.03000 | -.41700 | -.41700 | 1435.00000 |
| 1.200 | 13.930 | -.01000 | -.06000 | -.03000 | 2.00300 | -.09000 | -.03000 | -.42100 | -.41900 | 1435.00000 |
| 1.201 | 15.920 | -.01000 | -.06000 | -.03000 | 1.96300 | -.09000 | -.03000 | -.43100 | -.43200 | 1435.00000 |
| 1.199 | 17.900 | -.01000 | -.06000 | -.03000 | 1.90600 | -.09000 | -.03000 | -.44300 | -.44200 | 1435.00000 |
| | GRADIENT | .00255 | -.00000 | -.00000 | .29069 | .00000 | -.00000 | -.00171 | -.00227 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B185) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 384/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -2.050 | 4.13000 | -.06000 | -.03000 | -1.65400 | -.09000 | -.03000 | -.31200 | -.30800 | 879.00000 |
| .598 | -.040 | 4.12000 | -.06000 | -.03000 | -.88700 | -.09000 | -.03000 | -.30500 | -.30300 | 879.00000 |
| .598 | 1.980 | 4.11000 | -.06000 | -.03000 | .01600 | -.09000 | -.03000 | -.30300 | -.29900 | 879.00000 |
| .598 | 3.930 | 4.10000 | -.06000 | -.03000 | .89700 | -.09000 | -.03000 | -.29300 | -.29500 | 879.00000 |
| .598 | 5.960 | 4.10000 | -.06000 | -.03000 | 1.78800 | -.09000 | -.03000 | -.29400 | -.29500 | 879.00000 |
| .599 | 7.910 | 4.10000 | -.06000 | -.03000 | 2.53300 | -.09000 | -.03000 | -.29400 | -.29200 | 879.00000 |
| .598 | 9.920 | 4.09000 | -.06000 | -.03000 | 3.06200 | -.09000 | -.03000 | -.28800 | -.28900 | 879.00000 |
| .598 | 11.910 | 4.10000 | -.06000 | -.03000 | 3.29100 | -.09000 | -.03000 | -.28700 | -.29200 | 879.00000 |
| .598 | 13.920 | 4.10000 | -.06000 | -.03000 | 3.12100 | -.09000 | -.03000 | -.29500 | -.29600 | 879.00000 |
| .598 | 15.900 | 4.11000 | -.06000 | -.03000 | 2.85100 | -.09000 | -.03000 | -.30200 | -.30300 | 879.00000 |
| .598 | 17.910 | 4.13000 | -.06000 | -.03000 | 2.56700 | -.09000 | -.03000 | -.33700 | -.32800 | 879.00000 |
| | GRADIENT | -.00501 | -.00000 | -.00000 | .42858 | .00000 | -.00000 | .00295 | .00215 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B185) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 370/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.201 | -1.990 | 4.26000 | -.06000 | -.03000 | -.86300 | -.09000 | -.03000 | -.40000 | -.40000 | 1462.00000 |
| 1.202 | -.040 | 4.25000 | -.06000 | -.03000 | -.29500 | -.09000 | -.03000 | -.40400 | -.40400 | 1462.00000 |
| 1.201 | 2.070 | 4.28000 | -.06000 | -.03000 | .32600 | -.09000 | -.03000 | -.40700 | -.40600 | 1462.00000 |
| 1.201 | 4.010 | 4.29000 | -.06000 | -.03000 | .84700 | -.09000 | -.03000 | -.41200 | -.41200 | 1462.00000 |
| 1.201 | 5.970 | 4.30000 | -.06000 | -.03000 | 1.28500 | -.09000 | -.03000 | -.41900 | -.42000 | 1462.00000 |
| 1.201 | 8.050 | 4.23000 | -.06000 | -.03000 | 1.61400 | -.09000 | -.03000 | -.43100 | -.43300 | 1462.00000 |
| 1.200 | 10.020 | 4.24000 | -.06000 | -.03000 | 1.82700 | -.09000 | -.03000 | -.43900 | -.43800 | 1462.00000 |
| 1.202 | 11.960 | 4.29000 | -.06000 | -.03000 | 1.92100 | -.09000 | -.03000 | -.44100 | -.44100 | 1462.00000 |
| 1.199 | 14.010 | 4.31000 | -.06000 | -.03000 | 1.96900 | -.09000 | -.03000 | -.44400 | -.44300 | 1462.00000 |
| 1.200 | 16.040 | 4.33000 | -.06000 | -.03000 | 1.94600 | -.09000 | -.03000 | -.44800 | -.45000 | 1462.00000 |
| 1.199 | 17.980 | 4.35000 | -.06000 | -.03000 | 1.89600 | -.09000 | -.03000 | -.45200 | -.45400 | 1462.00000 |
| | GRADIENT | .00601 | .00000 | .00000 | .28603 | .00000 | .00000 | -.00194 | -.00188 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B186) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 385/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -6.130 | 9.93000 | -.06000 | -.03000 | 3.09000 | -.09000 | -.03000 | -.31000 | -.30900 | 882.10000 |
| .598 | -4.090 | 9.91000 | -.06000 | -.03000 | 3.11700 | -.09000 | -.03000 | -.29300 | -.29000 | 882.10000 |
| .598 | -3.070 | 9.91000 | -.06000 | -.03000 | 3.10100 | -.09000 | -.03000 | -.28400 | -.28700 | 882.10000 |
| .598 | -2.050 | 9.91000 | -.06000 | -.03000 | 3.08100 | -.09000 | -.03000 | -.28400 | -.28300 | 882.10000 |
| .598 | -1.020 | 9.91000 | -.06000 | -.03000 | 3.06000 | -.09000 | -.03000 | -.27400 | -.27600 | 882.10000 |
| .598 | .000 | 9.91000 | -.06000 | -.03000 | 3.05400 | -.09000 | -.03000 | -.26600 | -.26800 | 882.10000 |
| .598 | 1.010 | 9.91000 | -.06000 | -.03000 | 3.03700 | -.09000 | -.03000 | -.27300 | -.27100 | 882.10000 |
| .598 | 2.050 | 9.91000 | -.06000 | -.03000 | 3.03500 | -.09000 | -.03000 | -.27500 | -.27100 | 882.10000 |
| .598 | 3.070 | 9.91000 | -.06000 | -.03000 | 3.03200 | -.09000 | -.03000 | -.27900 | -.28300 | 882.10000 |
| .598 | 4.100 | 9.91000 | -.06000 | -.03000 | 3.03100 | -.09000 | -.03000 | -.28200 | -.28800 | 882.10000 |
| .598 | 6.150 | 9.91000 | -.06000 | -.03000 | 2.97800 | -.09000 | -.03000 | -.29900 | -.29500 | 882.10000 |
| .598 | 8.210 | 9.92000 | -.06000 | -.03000 | 3.10100 | -.09000 | -.03000 | -.30900 | -.31000 | 882.10000 |
| | GRADIENT | .00000 | .00000 | .00000 | -.01084 | .00000 | .00000 | .00127 | .00080 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B186) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 7.000

RUN NO. 371/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.203 | -6.190 | 10.09000 | -.06000 | -.03000 | 1.83200 | -.09000 | -.03000 | -.43200 | -.43300 | 1464.00000 |
| 1.200 | -4.140 | 10.07000 | -.06000 | -.03000 | 1.87100 | -.09000 | -.03000 | -.42600 | -.42600 | 1464.00000 |
| 1.200 | -3.100 | 10.05000 | -.06000 | -.03000 | 1.87900 | -.09000 | -.03000 | -.41500 | -.41500 | 1464.00000 |
| 1.201 | -2.060 | 10.02000 | -.06000 | -.03000 | 1.87300 | -.09000 | -.03000 | -.41200 | -.41100 | 1464.00000 |
| 1.201 | -1.010 | 10.00000 | -.06000 | -.03000 | 1.87100 | -.09000 | -.03000 | -.41200 | -.41100 | 1464.00000 |
| 1.201 | -.020 | 9.96000 | -.06000 | -.03000 | 1.86400 | -.09000 | -.03000 | -.41300 | -.41300 | 1464.00000 |
| 1.200 | 1.000 | 10.04000 | -.06000 | -.03000 | 1.86400 | -.09000 | -.03000 | -.41000 | -.41100 | 1464.00000 |
| 1.202 | 2.080 | 10.06000 | -.06000 | -.03000 | 1.86100 | -.09000 | -.03000 | -.41600 | -.41600 | 1464.00000 |
| 1.201 | 3.130 | 10.06000 | -.06000 | -.03000 | 1.84100 | -.09000 | -.03000 | -.42400 | -.42600 | 1464.00000 |
| 1.200 | 4.200 | 10.05000 | -.06000 | -.03000 | 1.82300 | -.09000 | -.03000 | -.43700 | -.43600 | 1464.00000 |
| 1.201 | 6.290 | 10.04000 | -.06000 | -.03000 | 1.77700 | -.09000 | -.03000 | -.44400 | -.44500 | 1464.00000 |
| 1.201 | 8.400 | 10.06000 | -.06000 | -.03000 | 1.78200 | -.09000 | -.03000 | -.44900 | -.44800 | 1464.00000 |
| | GRADIENT | .00115 | -.00000 | -.00000 | -.00542 | -.00000 | -.00000 | -.00125 | -.00135 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B187) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 380/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -2.030 | -.01000 | -.06000 | -.03000 | -1.59600 | -.09000 | -.03000 | -.34000 | -.34000 | 1432.00000 |
| .900 | -.020 | -.01000 | -.06000 | -.03000 | -.74600 | -.09000 | -.03000 | -.32700 | -.33000 | 1432.00000 |
| .899 | 1.980 | -.01000 | -.06000 | -.03000 | .14700 | -.09000 | -.03000 | -.32200 | -.32300 | 1432.00000 |
| .900 | 3.960 | -.01000 | -.06000 | -.03000 | .99700 | -.09000 | -.03000 | -.30900 | -.31000 | 1432.00000 |
| .900 | 5.920 | .00000 | -.06000 | -.03000 | 1.60700 | -.09000 | -.03000 | -.30500 | -.30600 | 1432.00000 |
| .901 | 7.890 | .00000 | -.06000 | -.03000 | 1.98900 | -.09000 | -.03000 | -.30400 | -.30200 | 1432.00000 |
| .901 | 9.840 | .00000 | -.06000 | -.03000 | 2.21600 | -.09000 | -.03000 | -.29900 | -.30200 | 1432.00000 |
| .900 | 11.870 | .00000 | -.06000 | -.03000 | 2.28600 | -.09000 | -.03000 | -.31200 | -.31300 | 1432.00000 |
| .900 | 13.910 | .01000 | -.06000 | -.03000 | 2.25500 | -.09000 | -.03000 | -.32900 | -.32600 | 1432.00000 |
| .901 | 15.930 | .01000 | -.06000 | -.03000 | 2.17800 | -.09000 | -.03000 | -.35000 | -.34100 | 1432.00000 |
| .899 | 17.870 | .02000 | -.06000 | -.03000 | 2.10100 | -.09000 | -.03000 | -.37200 | -.38800 | 1432.00000 |
| | GRADIENT | .00000 | -.00000 | -.00000 | .43425 | .00000 | -.00000 | .00491 | .00486 | .00000 |

ARC 200-1 11(LA77) OV101 (A28187) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 375/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .953 | -1.990 | -.04000 | -.06000 | -.03000 | -1.30100 | -.09000 | -.03000 | -.35800 | -.35900 | 1484.00000 |
| .952 | -.010 | -.04000 | -.06000 | -.03000 | -.52400 | -.09000 | -.03000 | -.34500 | -.34000 | 1484.00000 |
| .954 | 1.990 | -.03000 | -.06000 | -.03000 | .32700 | -.09000 | -.03000 | -.32900 | -.33200 | 1484.00000 |
| .953 | 3.990 | -.03000 | -.06000 | -.03000 | 1.12200 | -.09000 | -.03000 | -.33600 | -.33600 | 1484.00000 |
| .954 | 5.990 | -.03000 | -.06000 | -.03000 | 1.69300 | -.09000 | -.03000 | -.33200 | -.32800 | 1484.00000 |
| .953 | 7.950 | -.05000 | -.06000 | -.03000 | 2.06700 | -.09000 | -.03000 | -.33300 | -.33700 | 1484.00000 |
| .952 | 9.940 | -.04000 | -.06000 | -.03000 | 2.24800 | -.09000 | -.03000 | -.33100 | -.34000 | 1484.00000 |
| .952 | 11.930 | -.05000 | -.06000 | -.03000 | 2.29100 | -.09000 | -.03000 | -.35800 | -.35900 | 1484.00000 |
| .953 | 13.960 | -.05000 | -.06000 | -.03000 | 2.22900 | -.09000 | -.03000 | -.37200 | -.37800 | 1484.00000 |
| .956 | 15.980 | -.06000 | -.06000 | -.03000 | 2.15900 | -.09000 | -.03000 | -.41200 | -.41000 | 1484.00000 |
| .952 | 17.960 | -.07000 | -.06000 | -.03000 | 2.06700 | -.09000 | -.03000 | -.43300 | -.45000 | 1484.00000 |
| | GRADIENT | .00201 | -.00000 | -.00000 | .40723 | -.00000 | -.00000 | .00411 | .00386 | .00000 |

RUN NO. 372/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -1.950 | -.04000 | -.06000 | -.03000 | -1.06600 | -.09000 | -.03000 | -.39200 | -.39100 | 1580.00000 |
| 1.050 | .030 | -.03000 | -.06000 | -.03000 | -.40600 | -.09000 | -.03000 | -.39300 | -.39000 | 1580.00000 |
| 1.052 | 2.040 | -.02000 | -.06000 | -.03000 | .30800 | -.09000 | -.03000 | -.40300 | -.40300 | 1580.00000 |
| 1.049 | 4.020 | -.02000 | -.06000 | -.03000 | .93700 | -.09000 | -.03000 | -.40500 | -.40600 | 1580.00000 |
| 1.050 | 6.010 | -.02000 | -.06000 | -.03000 | 1.41600 | -.09000 | -.03000 | -.41600 | -.42000 | 1580.00000 |
| 1.051 | 7.990 | -.03000 | -.06000 | -.03000 | 1.72000 | -.09000 | -.03000 | -.42600 | -.42700 | 1580.00000 |
| 1.051 | 9.970 | -.02000 | -.06000 | -.03000 | 1.91000 | -.09000 | -.03000 | -.44200 | -.44200 | 1580.00000 |
| 1.049 | 11.980 | -.02000 | -.06000 | -.03000 | 2.00300 | -.09000 | -.03000 | -.44800 | -.45000 | 1580.00000 |
| 1.048 | 13.980 | -.02000 | -.06000 | -.03000 | 2.00900 | -.09000 | -.03000 | -.45500 | -.45600 | 1580.00000 |
| 1.049 | 15.980 | -.01000 | -.06000 | -.03000 | 1.97600 | -.09000 | -.03000 | -.46900 | -.47000 | 1580.00000 |
| 1.047 | 17.950 | -.01000 | -.06000 | -.03000 | 1.92400 | -.09000 | -.03000 | -.49300 | -.49300 | 1580.00000 |
| | GRADIENT | .00352 | -.00000 | -.00000 | .33752 | -.00000 | -.00000 | -.00246 | -.00292 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B188) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 381/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -2.030 | 4.22000 | -.06000 | -.03000 | -1.57300 | -.09000 | -.03000 | -.34900 | -.35300 | 1432.00000 |
| .900 | -.020 | 4.21000 | -.06000 | -.03000 | -.75100 | -.09000 | -.03000 | -.34700 | -.35500 | 1432.00000 |
| .899 | 1.970 | 4.20000 | -.06000 | -.03000 | .15000 | -.09000 | -.03000 | -.33200 | -.33000 | 1432.00000 |
| .899 | 3.950 | 4.19000 | -.06000 | -.03000 | .99900 | -.09000 | -.03000 | -.32400 | -.32600 | 1432.00000 |
| .901 | 5.930 | 4.20000 | -.06000 | -.03000 | 1.61600 | -.09000 | -.03000 | -.32200 | -.31400 | 1432.00000 |
| .899 | 7.890 | 4.20000 | -.06000 | -.03000 | 2.03000 | -.09000 | -.03000 | -.30800 | -.31800 | 1432.00000 |
| .900 | 9.820 | 4.20000 | -.06000 | -.03000 | 2.20700 | -.09000 | -.03000 | -.31500 | -.32300 | 1432.00000 |
| .900 | 11.920 | 4.21000 | -.06000 | -.03000 | 2.28600 | -.09000 | -.03000 | -.33500 | -.33500 | 1432.00000 |
| .900 | 13.910 | 4.23000 | -.06000 | -.03000 | 2.26100 | -.09000 | -.03000 | -.36700 | -.36700 | 1432.00000 |
| .899 | 15.900 | 4.26000 | -.06000 | -.03000 | 2.19400 | -.09000 | -.03000 | -.35900 | -.36300 | 1432.00000 |
| .899 | 17.850 | 4.30000 | -.06000 | -.03000 | 2.11600 | -.09000 | -.03000 | -.36700 | -.36700 | 1432.00000 |
| | GRADIENT | -.00502 | .00000 | .00000 | .43234 | .00000 | .00000 | .00451 | .00532 | .00000 |

RUN NO. 376/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .955 | -1.980 | 4.19000 | -.06000 | -.03000 | -1.39200 | -.09000 | -.03000 | -.40200 | -.40300 | 1486.00000 |
| .952 | .010 | 4.21000 | -.06000 | -.03000 | -.63400 | -.09000 | -.03000 | -.39600 | -.38900 | 1486.00000 |
| .952 | 2.040 | 4.20000 | -.06000 | -.03000 | .22200 | -.09000 | -.03000 | -.37900 | -.38200 | 1486.00000 |
| .952 | 3.980 | 4.22000 | -.06000 | -.03000 | .98500 | -.09000 | -.03000 | -.37200 | -.36300 | 1486.00000 |
| .952 | 5.970 | 4.23000 | -.06000 | -.03000 | 1.59900 | -.09000 | -.03000 | -.39500 | -.38900 | 1486.00000 |
| .951 | 7.960 | 4.24000 | -.06000 | -.03000 | 2.01200 | -.09000 | -.03000 | -.38200 | -.38400 | 1486.00000 |
| .950 | 9.960 | 4.25000 | -.06000 | -.03000 | 2.22800 | -.09000 | -.03000 | -.35300 | -.35500 | 1486.00000 |
| .952 | 12.040 | 4.29000 | -.06000 | -.03000 | 2.30300 | -.09000 | -.03000 | -.37000 | -.38200 | 1486.00000 |
| .952 | 14.030 | 4.30000 | -.06000 | -.03000 | 2.25600 | -.09000 | -.03000 | -.40900 | -.40600 | 1486.00000 |
| .950 | 16.010 | 4.31000 | -.06000 | -.03000 | 2.17400 | -.09000 | -.03000 | -.43300 | -.44200 | 1486.00000 |
| .951 | 17.990 | 4.31000 | -.06000 | -.03000 | 2.07300 | -.09000 | -.03000 | -.46300 | -.46200 | 1486.00000 |
| | GRADIENT | .00400 | -.00000 | -.00000 | .40118 | .00000 | -.00000 | .00538 | .00637 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B188) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 373/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.049 | -2.000 | 4.19000 | -.06000 | -.03000 | -1.08500 | -.09000 | -.03000 | -.43100 | -.43100 | 1578.00000 |
| 1.052 | .000 | 4.20000 | -.06000 | -.03000 | -.43800 | -.09000 | -.03000 | -.42100 | -.42200 | 1578.00000 |
| 1.049 | 2.000 | 4.20000 | -.06000 | -.03000 | .25400 | -.09000 | -.03000 | -.43100 | -.43300 | 1578.00000 |
| 1.051 | 4.000 | 4.21000 | -.06000 | -.03000 | .89000 | -.09000 | -.03000 | -.43800 | -.43700 | 1578.00000 |
| 1.048 | 6.010 | 4.22000 | -.06000 | -.03000 | 1.36100 | -.09000 | -.03000 | -.45100 | -.45100 | 1578.00000 |
| 1.051 | 7.980 | 4.27000 | -.06000 | -.03000 | 1.67100 | -.09000 | -.03000 | -.46300 | -.46100 | 1578.00000 |
| 1.049 | 9.970 | 4.28000 | -.06000 | -.03000 | 1.86000 | -.09000 | -.03000 | -.47500 | -.47700 | 1578.00000 |
| 1.049 | 12.040 | 4.30000 | -.06000 | -.03000 | 1.97300 | -.09000 | -.03000 | -.48600 | -.48500 | 1578.00000 |
| 1.049 | 14.070 | 4.33000 | -.06000 | -.03000 | 1.93600 | -.09000 | -.03000 | -.50300 | -.50300 | 1578.00000 |
| 1.048 | 16.060 | 4.34000 | -.06000 | -.03000 | 1.96400 | -.09000 | -.03000 | -.51300 | -.51300 | 1578.00000 |
| 1.051 | 18.010 | 4.37000 | -.06000 | -.03000 | 1.92300 | -.09000 | -.03000 | -.52400 | -.52100 | 1578.00000 |
| | GRADIENT | .00300 | -.00000 | -.00000 | .33085 | .00000 | -.00000 | -.00155 | -.00145 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B189) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 382/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.250 | 4.95000 | -.06000 | -.03000 | 1.44900 | -.09000 | -.03000 | -.35300 | -.35200 | 1429.00000 |
| .899 | -4.170 | 4.95000 | -.06000 | -.03000 | 1.40700 | -.09000 | -.03000 | -.33100 | -.33000 | 1429.00000 |
| .901 | -3.130 | 4.95000 | -.06000 | -.03000 | 1.40100 | -.09000 | -.03000 | -.31900 | -.31900 | 1429.00000 |
| .900 | -2.090 | 4.95000 | -.06000 | -.03000 | 1.37700 | -.09000 | -.03000 | -.31600 | -.31300 | 1429.00000 |
| .898 | -1.040 | 4.94000 | -.06000 | -.03000 | 1.33800 | -.09000 | -.03000 | -.30900 | -.30700 | 1429.00000 |
| .900 | .010 | 4.94000 | -.06000 | -.03000 | 1.32900 | -.09000 | -.03000 | -.30700 | -.30900 | 1429.00000 |
| .901 | 1.030 | 4.95000 | -.06000 | -.03000 | 1.33500 | -.09000 | -.03000 | -.29800 | -.30100 | 1429.00000 |
| .900 | 2.100 | 4.94000 | -.06000 | -.03000 | 1.33400 | -.09000 | -.03000 | -.30800 | -.30500 | 1429.00000 |
| .901 | 3.140 | 4.94000 | -.06000 | -.03000 | 1.34200 | -.09000 | -.03000 | -.30800 | -.30100 | 1429.00000 |
| .899 | 4.180 | 4.93000 | -.06000 | -.03000 | 1.33400 | -.09000 | -.03000 | -.31800 | -.31800 | 1429.00000 |
| .901 | 6.280 | 4.92000 | -.06000 | -.03000 | 1.33100 | -.09000 | -.03000 | -.34200 | -.34000 | 1429.00000 |
| .899 | 8.360 | 4.91000 | -.06000 | -.03000 | 1.42100 | -.09000 | -.03000 | -.35700 | -.35900 | 1429.00000 |
| | GRADIENT | -.00192 | .00000 | .00000 | -.00890 | -.00000 | .00000 | .00178 | .00198 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B189) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 377/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -6.330 | 5.04000 | -.06000 | -.03000 | 1.33300 | -.09000 | -.03000 | -.40000 | -.39900 | 1483.00000 |
| .950 | -4.240 | 5.01000 | -.06000 | -.03000 | 1.38600 | -.09000 | -.03000 | -.37900 | -.37600 | 1483.00000 |
| .951 | -3.180 | 5.01000 | -.06000 | -.03000 | 1.41000 | -.09000 | -.03000 | -.36500 | -.36200 | 1483.00000 |
| .952 | -2.120 | 5.03000 | -.06000 | -.03000 | 1.43700 | -.09000 | -.03000 | -.34100 | -.33900 | 1483.00000 |
| .950 | -1.080 | 5.02000 | -.06000 | -.03000 | 1.44200 | -.09000 | -.03000 | -.32000 | -.32200 | 1483.00000 |
| .950 | .000 | 4.97000 | -.06000 | -.03000 | 1.43800 | -.09000 | -.03000 | -.32400 | -.32900 | 1483.00000 |
| .952 | 1.000 | 5.00000 | -.06000 | -.03000 | 1.42700 | -.09000 | -.03000 | -.35100 | -.34300 | 1483.00000 |
| .950 | 2.070 | 5.00000 | -.06000 | -.03000 | 1.39200 | -.09000 | -.03000 | -.35000 | -.34500 | 1483.00000 |
| .951 | 3.090 | 4.99000 | -.06000 | -.03000 | 1.36100 | -.09000 | -.03000 | -.35300 | -.35300 | 1483.00000 |
| .951 | 4.160 | 4.97000 | -.06000 | -.03000 | 1.30600 | -.09000 | -.03000 | -.37300 | -.35700 | 1483.00000 |
| .951 | 6.250 | 4.95000 | -.06000 | -.03000 | 1.24600 | -.09000 | -.03000 | -.38600 | -.38300 | 1483.00000 |
| .952 | 8.350 | 4.96000 | -.06000 | -.03000 | 1.25300 | -.09000 | -.03000 | -.39600 | -.39200 | 1483.00000 |
| | GRADIENT | -.00478 | .00000 | .00000 | -.00907 | .00000 | .00000 | .00020 | .00113 | .00000 |

RUN NO. 374/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -6.340 | 5.09000 | -.06000 | -.03000 | 1.19600 | -.09000 | -.03000 | -.44800 | -.44900 | 1580.00000 |
| 1.051 | -4.240 | 5.05000 | -.06000 | -.03000 | 1.20900 | -.09000 | -.03000 | -.43000 | -.43000 | 1580.00000 |
| 1.050 | -3.190 | 5.03000 | -.06000 | -.03000 | 1.20900 | -.09000 | -.03000 | -.42400 | -.42300 | 1580.00000 |
| 1.051 | -2.130 | 5.04000 | -.06000 | -.03000 | 1.20700 | -.09000 | -.03000 | -.41600 | -.41500 | 1580.00000 |
| 1.049 | -1.080 | 5.01000 | -.06000 | -.03000 | 1.20100 | -.09000 | -.03000 | -.41300 | -.41300 | 1580.00000 |
| 1.050 | -.010 | 5.01000 | -.06000 | -.03000 | 1.19500 | -.09000 | -.03000 | -.40600 | -.40400 | 1580.00000 |
| 1.048 | 1.000 | 5.05000 | -.06000 | -.03000 | 1.19800 | -.09000 | -.03000 | -.41000 | -.41100 | 1580.00000 |
| 1.050 | 2.090 | 5.03000 | -.06000 | -.03000 | 1.19800 | -.09000 | -.03000 | -.42500 | -.42400 | 1580.00000 |
| 1.050 | 3.120 | 5.03000 | -.06000 | -.03000 | 1.18100 | -.09000 | -.03000 | -.43400 | -.43400 | 1580.00000 |
| 1.049 | 4.180 | 5.02000 | -.06000 | -.03000 | 1.15900 | -.09000 | -.03000 | -.44000 | -.44100 | 1580.00000 |
| 1.050 | 6.250 | 5.02000 | -.06000 | -.03000 | 1.11600 | -.09000 | -.03000 | -.46300 | -.46400 | 1580.00000 |
| 1.048 | 8.370 | 5.03000 | -.06000 | -.03000 | 1.10600 | -.09000 | -.03000 | -.49200 | -.49000 | 1580.00000 |
| | GRADIENT | -.00160 | -.00000 | -.00000 | -.00483 | .00000 | -.00000 | -.00134 | -.00147 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B190) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 378/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.230 | 14.88000 | -.06000 | -.03000 | 2.22900 | -.09000 | -.03000 | -.40200 | -.39300 | 1476.00000 |
| .952 | -4.140 | 14.89000 | -.06000 | -.03000 | 2.21200 | -.09000 | -.03000 | -.40900 | -.40800 | 1476.00000 |
| .950 | -3.090 | 14.86000 | -.06000 | -.03000 | 2.21600 | -.09000 | -.03000 | -.40800 | -.40400 | 1476.00000 |
| .950 | -2.050 | 14.87000 | -.06000 | -.03000 | 2.21600 | -.09000 | -.03000 | -.38900 | -.38700 | 1476.00000 |
| .949 | -1.010 | 14.85000 | -.06000 | -.03000 | 2.20600 | -.09000 | -.03000 | -.39800 | -.39600 | 1476.00000 |
| .950 | .050 | 14.86000 | -.06000 | -.03000 | 2.20700 | -.09000 | -.03000 | -.37700 | -.37600 | 1476.00000 |
| .953 | 1.080 | 14.86000 | -.06000 | -.03000 | 2.20800 | -.09000 | -.03000 | -.39800 | -.39200 | 1476.00000 |
| .948 | 2.140 | 14.85000 | -.06000 | -.03000 | 2.20500 | -.09000 | -.03000 | -.39200 | -.39400 | 1476.00000 |
| .951 | 3.120 | 14.87000 | -.06000 | -.03000 | 2.22200 | -.09000 | -.03000 | -.39700 | -.40000 | 1476.00000 |
| .952 | 4.170 | 14.86000 | -.06000 | -.03000 | 2.22200 | -.09000 | -.03000 | -.41700 | -.42300 | 1476.00000 |
| .949 | 6.290 | 14.85000 | -.06000 | -.03000 | 2.22900 | -.09000 | -.03000 | -.40300 | -.40400 | 1476.00000 |
| .950 | 8.390 | 14.88000 | -.06000 | -.03000 | 2.24600 | -.09000 | -.03000 | -.42300 | -.42700 | 1476.00000 |
| | GRADIENT | -.00194 | -.00000 | -.00000 | .00060 | -.00000 | -.00000 | -.00006 | -.00091 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B191) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 70.000
RUDDER = .000 BDFLAP = .000
RN/L = 8.000

RUN NO. 379/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -6.220 | 14.88000 | -.06000 | -.03000 | 2.22900 | -.09000 | -.03000 | -.40600 | -.40900 | 1481.00000 |
| .949 | -4.210 | 14.86000 | -.06000 | -.03000 | 2.20900 | -.09000 | -.03000 | -.38600 | -.39000 | 1481.00000 |
| .950 | -3.160 | 14.86000 | -.06000 | -.03000 | 2.20600 | -.09000 | -.03000 | -.39600 | -.39700 | 1481.00000 |
| .952 | -2.140 | 14.87000 | -.06000 | -.03000 | 2.20400 | -.09000 | -.03000 | -.39400 | -.39300 | 1481.00000 |
| .950 | -1.070 | 14.86000 | -.06000 | -.03000 | 2.20500 | -.09000 | -.03000 | -.39700 | -.38800 | 1481.00000 |
| .952 | -.030 | 14.86000 | -.06000 | -.03000 | 2.20800 | -.09000 | -.03000 | -.38700 | -.38700 | 1481.00000 |
| .950 | 1.010 | 14.86000 | -.06000 | -.03000 | 2.21500 | -.09000 | -.03000 | -.38000 | -.39000 | 1481.00000 |
| .952 | 2.070 | 14.88000 | -.06000 | -.03000 | 2.22300 | -.09000 | -.03000 | -.38900 | -.38200 | 1481.00000 |
| .951 | 3.130 | 14.86000 | -.06000 | -.03000 | 2.21500 | -.09000 | -.03000 | -.42300 | -.41300 | 1481.00000 |
| .950 | 4.180 | 14.86000 | -.06000 | -.03000 | 2.22200 | -.09000 | -.03000 | -.41200 | -.40400 | 1481.00000 |
| .951 | 6.290 | 14.86000 | -.06000 | -.03000 | 2.23000 | -.09000 | -.03000 | -.41200 | -.40300 | 1481.00000 |
| .951 | 8.390 | 14.88000 | -.06000 | -.03000 | 2.24700 | -.09000 | -.03000 | -.42900 | -.42500 | 1481.00000 |
| | GRADIENT | .00031 | .00000 | .00000 | .00202 | .00000 | .00000 | -.00252 | -.00134 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B192) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 7.000

RUN NO. 400/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.980 | -.04000 | -.06000 | -.03000 | -.67300 | -.09000 | -.03000 | -.28300 | -.29300 | 876.30000 |
| .598 | -.010 | -.02000 | -.06000 | -.03000 | .29000 | -.09000 | -.03000 | -.28400 | -.27900 | 876.30000 |
| .597 | 1.940 | -.02000 | -.06000 | -.03000 | 1.22000 | -.09000 | -.03000 | -.28000 | -.28200 | 876.30000 |
| .597 | 4.010 | -.03000 | -.06000 | -.03000 | 2.14500 | -.09000 | -.03000 | -.28500 | -.28300 | 876.30000 |
| .597 | 5.980 | -.03000 | -.06000 | -.03000 | 2.86600 | -.09000 | -.03000 | -.28500 | -.28200 | 876.30000 |
| .597 | 7.920 | -.03000 | -.06000 | -.03000 | 3.37300 | -.09000 | -.03000 | -.28200 | -.29000 | 876.30000 |
| .598 | 9.980 | -.02000 | -.06000 | -.03000 | 3.65500 | -.09000 | -.03000 | -.28700 | -.29100 | 876.30000 |
| .597 | 12.000 | -.02000 | -.06000 | -.03000 | 3.68300 | -.09000 | -.03000 | -.29200 | -.29300 | 876.30000 |
| .598 | 13.970 | -.02000 | -.06000 | -.03000 | 3.34500 | -.09000 | -.03000 | -.30300 | -.30600 | 876.30000 |
| .597 | 16.000 | -.01000 | -.06000 | -.03000 | 2.97600 | -.09000 | -.03000 | -.31300 | -.31100 | 876.30000 |
| .597 | 17.980 | .00000 | -.06000 | -.03000 | 2.66500 | -.09000 | -.03000 | -.33100 | -.33000 | 876.30000 |
| | GRADIENT | .00147 | .00000 | .00000 | .47096 | .00000 | .00000 | -.00011 | .00134 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B192) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 7.000

RUN NO. 386/ 0 RN/L = 7.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.870 | -.04000 | -.06000 | -.03000 | -.45300 | -.09000 | -.03000 | -.43000 | -.43000 | 1434.00000 |
| 1.201 | -.010 | -.02000 | -.06000 | -.03000 | .16800 | -.09000 | -.03000 | -.42100 | -.42100 | 1434.00000 |
| 1.200 | 1.930 | -.02000 | -.06000 | -.03000 | .76600 | -.09000 | -.03000 | -.41800 | -.41800 | 1434.00000 |
| 1.199 | 4.020 | -.02000 | -.06000 | -.03000 | 1.29800 | -.09000 | -.03000 | -.42700 | -.42800 | 1434.00000 |
| 1.198 | 5.910 | -.03000 | -.06000 | -.03000 | 1.65400 | -.09000 | -.03000 | -.44000 | -.44200 | 1434.00000 |
| 1.200 | 7.910 | -.04000 | -.06000 | -.03000 | 1.89500 | -.09000 | -.03000 | -.44200 | -.44300 | 1434.00000 |
| 1.200 | 9.950 | -.02000 | -.06000 | -.03000 | 2.02700 | -.09000 | -.03000 | -.44700 | -.44900 | 1434.00000 |
| 1.200 | 11.950 | -.02000 | -.06000 | -.03000 | 2.07600 | -.09000 | -.03000 | -.46500 | -.46500 | 1434.00000 |
| 1.197 | 13.940 | -.02000 | -.06000 | -.03000 | 2.05400 | -.09000 | -.03000 | -.48700 | -.48500 | 1434.00000 |
| 1.201 | 15.970 | -.02000 | -.06000 | -.03000 | 1.98500 | -.09000 | -.03000 | -.51400 | -.51300 | 1434.00000 |
| 1.198 | 18.000 | -.02000 | -.06000 | -.03000 | 1.90200 | -.09000 | -.03000 | -.54000 | -.54000 | 1434.00000 |
| | GRADIENT | .00300 | .00000 | .00000 | .29789 | .00000 | .00000 | .00056 | .00040 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B193) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 7.000

RUN NO. 401/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -1.970 | 4.10000 | -.06000 | -.03000 | -.71200 | -.09000 | -.03000 | -.29400 | -.29800 | 879.90000 |
| .597 | .010 | 4.12000 | -.06000 | -.03000 | .27100 | -.09000 | -.03000 | -.29300 | -.29300 | 879.90000 |
| .597 | 2.030 | 4.12000 | -.06000 | -.03000 | 1.26300 | -.09000 | -.03000 | -.29500 | -.29400 | 879.90000 |
| .598 | 3.950 | 4.12000 | -.06000 | -.03000 | 2.12200 | -.09000 | -.03000 | -.29400 | -.29500 | 879.90000 |
| .597 | 5.930 | 4.15000 | -.06000 | -.03000 | 2.84300 | -.09000 | -.03000 | -.29300 | -.29700 | 879.90000 |
| .598 | 7.950 | 4.18000 | -.06000 | -.03000 | 3.38200 | -.09000 | .03000 | -.29800 | -.30000 | 879.90000 |
| .597 | 10.010 | 4.19000 | -.06000 | -.03000 | 3.68000 | -.09000 | -.03000 | -.29800 | -.30300 | 879.90000 |
| .597 | 12.030 | 4.21000 | -.06000 | -.03000 | 3.71900 | -.09000 | -.03000 | -.30300 | -.30200 | 879.90000 |
| .598 | 14.020 | 4.22000 | -.06000 | -.03000 | 3.33900 | -.09000 | -.03000 | -.30500 | -.31200 | 879.90000 |
| .597 | 16.040 | 4.22000 | -.06000 | -.03000 | 2.99200 | -.09000 | -.03000 | -.32700 | -.33000 | 879.90000 |
| .597 | 18.000 | 4.23000 | -.06000 | -.03000 | 2.70200 | -.09000 | -.03000 | -.34700 | -.34400 | 879.90000 |
| | GRADIENT | .00304 | -.00000 | -.00000 | .48008 | .00000 | -.00000 | -.00010 | .00041 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B193) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 7.000

RUN NO. 387/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.990 | 4.17000 | -.06000 | -.03000 | -.51900 | -.09000 | -.03000 | -.44800 | -.44700 | 1432.00000 |
| 1.201 | .000 | 4.19000 | -.06000 | -.03000 | .13400 | -.09000 | -.03000 | -.43900 | -.44000 | 1432.00000 |
| 1.200 | 1.970 | 4.18000 | -.06000 | -.03000 | .74000 | -.09000 | -.03000 | -.43200 | -.43300 | 1432.00000 |
| 1.200 | 3.960 | 4.20000 | -.06000 | -.03000 | 1.25300 | -.09000 | -.03000 | -.44100 | -.44000 | 1432.00000 |
| 1.200 | 5.970 | 4.21000 | -.06000 | -.03000 | 1.63300 | -.09000 | -.03000 | -.45600 | -.45800 | 1432.00000 |
| 1.199 | 7.930 | 4.24000 | -.06000 | -.03000 | 1.87100 | -.09000 | -.03000 | -.47900 | -.47900 | 1432.00000 |
| 1.199 | 9.960 | 4.25000 | -.06000 | -.03000 | 2.00100 | -.09000 | -.03000 | -.50000 | -.50000 | 1432.00000 |
| 1.200 | 11.980 | 4.29000 | -.06000 | -.03000 | 2.04300 | -.09000 | -.03000 | -.51000 | -.51000 | 1432.00000 |
| 1.198 | 14.040 | 4.31000 | -.06000 | -.03000 | 2.04800 | -.09000 | -.03000 | -.50500 | -.50600 | 1432.00000 |
| 1.200 | 16.040 | 4.33000 | -.06000 | -.03000 | 1.99100 | -.09000 | -.03000 | -.50900 | -.50900 | 1432.00000 |
| 1.198 | 17.960 | 4.35000 | -.06000 | -.03000 | 1.90900 | -.09000 | -.03000 | -.53100 | -.53300 | 1432.00000 |
| | GRADIENT | .00404 | -.00000 | -.00000 | .29878 | .00000 | -.00000 | .00141 | .00141 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B194) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 7.000

RUN NO. 402/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -6.070 | 10.06000 | -.06000 | -.03000 | 3.80500 | -.09000 | -.03000 | -.32800 | -.33500 | 878.70000 |
| .598 | -4.050 | 10.04000 | -.06000 | -.03000 | 3.74400 | -.09000 | -.03000 | -.31200 | -.30700 | 878.70000 |
| .597 | -3.030 | 10.02000 | -.06000 | -.03000 | 3.71100 | -.09000 | -.03000 | -.30300 | -.30000 | 878.70000 |
| .598 | -2.020 | 10.00000 | -.06000 | -.03000 | 3.67800 | -.09000 | -.03000 | -.30000 | -.29900 | 878.70000 |
| .597 | -.990 | 9.98000 | -.06000 | -.03000 | 3.67100 | -.09000 | -.03000 | -.29100 | -.29000 | 878.70000 |
| .598 | .970 | 10.00000 | -.06000 | -.03000 | 3.65300 | -.09000 | -.03000 | -.28900 | -.29100 | 878.70000 |
| .598 | 2.010 | 10.05000 | -.06000 | -.03000 | 3.63300 | -.09000 | -.03000 | -.29700 | -.29500 | 878.70000 |
| .597 | 3.060 | 10.07000 | -.06000 | -.03000 | 3.63500 | -.09000 | -.03000 | -.29900 | -.30000 | 878.70000 |
| .598 | 4.080 | 10.06000 | -.06000 | -.03000 | 3.66200 | -.09000 | -.03000 | -.30100 | -.29500 | 878.70000 |
| .598 | 6.170 | 10.05000 | -.06000 | -.03000 | 3.72000 | -.09000 | -.03000 | -.31500 | -.32100 | 878.70000 |
| .598 | 8.250 | 10.06000 | -.06000 | -.03000 | 3.82700 | -.09000 | -.03000 | -.33600 | -.34100 | 878.70000 |
| | GRADIENT | .00577 | .00000 | .00000 | -.01090 | .00000 | .00000 | .00105 | .00090 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B194) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 7.000

RUN NO. 388/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -6.180 | 9.80000 | -.06000 | -.03000 | 2.02400 | -.09000 | -.03000 | -.48300 | -.48300 | 1452.00000 |
| 1.197 | -4.140 | 9.79000 | -.06000 | -.03000 | 2.03000 | -.09000 | -.03000 | -.48300 | -.48400 | 1452.00000 |
| 1.200 | -3.100 | 9.77000 | -.06000 | -.03000 | 2.02700 | -.09000 | -.03000 | -.47700 | -.47500 | 1452.00000 |
| 1.198 | -2.060 | 9.74000 | -.06000 | -.03000 | 2.02600 | -.09000 | -.03000 | -.46300 | -.46500 | 1452.00000 |
| 1.200 | -.990 | 9.69000 | -.06000 | -.03000 | 2.02300 | -.09000 | -.03000 | -.45300 | -.45400 | 1452.00000 |
| 1.199 | -.020 | 9.67000 | -.06000 | -.03000 | 2.01700 | -.09000 | -.03000 | -.44600 | -.44900 | 1452.00000 |
| 1.200 | 1.020 | 9.77000 | -.06000 | -.03000 | 2.01100 | -.09000 | -.03000 | -.45600 | -.45500 | 1452.00000 |
| 1.200 | 2.060 | 9.79000 | -.06000 | -.03000 | 2.01200 | -.09000 | -.03000 | -.46900 | -.46900 | 1452.00000 |
| 1.199 | 3.120 | 9.79000 | -.06000 | -.03000 | 2.00400 | -.09000 | -.03000 | -.48800 | -.48800 | 1452.00000 |
| 1.201 | 4.200 | 9.79000 | -.06000 | -.03000 | 1.99500 | -.09000 | -.03000 | -.49300 | -.49400 | 1452.00000 |
| 1.198 | 6.260 | 9.78000 | -.06000 | -.03000 | 1.98300 | -.09000 | -.03000 | -.48500 | -.48300 | 1452.00000 |
| 1.200 | 8.390 | 9.80000 | -.06000 | -.03000 | 1.99400 | -.09000 | -.03000 | -.49000 | -.48900 | 1452.00000 |
| | GRADIENT | .00385 | .00000 | .00000 | -.00400 | -.00000 | .00000 | -.00143 | -.00143 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B195) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 397/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -2.020 | -.04000 | -.06000 | -.03000 | -.78400 | -.09000 | -.03000 | -.30200 | -.30600 | 1414.00000 |
| .898 | .030 | -.04000 | -.06000 | -.03000 | .30100 | -.09000 | -.03000 | -.30300 | -.29600 | 1414.00000 |
| .898 | 1.960 | -.02000 | -.06000 | -.03000 | 1.24800 | -.09000 | -.03000 | -.30000 | -.30200 | 1414.00000 |
| .900 | 3.930 | -.02000 | -.06000 | -.03000 | 1.99500 | -.09000 | -.03000 | -.30500 | -.30100 | 1414.00000 |
| .898 | 5.980 | -.03000 | -.06000 | -.03000 | 2.45800 | -.09000 | -.03000 | -.30700 | -.30700 | 1414.00000 |
| .898 | 7.910 | -.03000 | -.06000 | -.03000 | 2.66200 | -.09000 | -.03000 | -.30800 | -.31600 | 1414.00000 |
| .899 | 9.940 | -.01000 | -.06000 | -.03000 | 2.72700 | -.09000 | -.03000 | -.31800 | -.31700 | 1414.00000 |
| .898 | 11.950 | -.01000 | -.06000 | -.03000 | 2.62600 | -.09000 | -.03000 | -.34300 | -.34300 | 1414.00000 |
| .899 | 14.020 | -.01000 | -.06000 | -.03000 | 2.47200 | -.09000 | -.03000 | -.37100 | -.37100 | 1414.00000 |
| .898 | 15.990 | .00000 | -.06000 | -.03000 | 2.32000 | -.09000 | -.03000 | -.40500 | -.41100 | 1414.00000 |
| .900 | 17.940 | .00000 | -.06000 | -.03000 | 2.19900 | -.09000 | -.03000 | -.45100 | -.44100 | 1414.00000 |
| | GRADIENT | .00403 | -.00000 | -.00000 | .46961 | .00000 | -.00000 | -.00030 | .00047 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B195) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 392/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .953 | -1.940 | -.04000 | -.06000 | -.03000 | -.69700 | -.09000 | -.03000 | -.31700 | -.32000 | 1483.00000 |
| .951 | -.030 | -.03000 | -.06000 | -.03000 | .19600 | -.09000 | -.03000 | -.32000 | -.32000 | 1483.00000 |
| .950 | 1.950 | -.02000 | -.06000 | -.03000 | 1.09900 | -.09000 | -.03000 | -.32600 | -.32000 | 1483.00000 |
| .953 | 3.960 | -.03000 | -.06000 | -.03000 | 1.79800 | -.09000 | -.03000 | -.33300 | -.33100 | 1483.00000 |
| .951 | 5.940 | -.04000 | -.06000 | -.03000 | 2.23600 | -.09000 | -.03000 | -.34100 | -.33500 | 1483.00000 |
| .951 | 7.850 | -.05000 | -.06000 | -.03000 | 2.47500 | -.09000 | -.03000 | -.34500 | -.33900 | 1483.00000 |
| .950 | 9.870 | -.04000 | -.06000 | -.03000 | 2.55400 | -.09000 | -.03000 | -.34800 | -.34600 | 1483.00000 |
| .950 | 11.900 | -.05000 | -.06000 | -.03000 | 2.50100 | -.09000 | -.03000 | -.37800 | -.37200 | 1483.00000 |
| .950 | 13.910 | -.05000 | -.06000 | -.03000 | 2.38400 | -.09000 | -.03000 | -.40800 | -.40100 | 1483.00000 |
| .950 | 15.950 | -.06000 | -.06000 | -.03000 | 2.24400 | -.09000 | -.03000 | -.45300 | -.43800 | 1483.00000 |
| .950 | 17.960 | -.07000 | -.06000 | -.03000 | 2.13400 | -.09000 | -.03000 | -.48300 | -.49200 | 1483.00000 |
| | GRADIENT | .00201 | -.00000 | -.00000 | .42593 | .00000 | -.00000 | -.00275 | -.00169 | .00000 |

RUN NO. 389/ 0 RN/L = 8.08 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -1.960 | -.03000 | -.06000 | -.03000 | -.63100 | -.09000 | -.03000 | -.43900 | -.44100 | 1580.00000 |
| 1.049 | -.020 | -.02000 | -.06000 | -.03000 | .08200 | -.09000 | -.03000 | -.43400 | -.43900 | 1580.00000 |
| 1.049 | 2.000 | -.02000 | -.06000 | -.03000 | .81700 | -.09000 | -.03000 | -.43300 | -.43100 | 1580.00000 |
| 1.049 | 4.010 | -.02000 | -.06000 | -.03000 | 1.39300 | -.09000 | -.03000 | -.44100 | -.44700 | 1580.00000 |
| 1.047 | 5.990 | -.03000 | -.06000 | -.03000 | 1.77600 | -.09000 | -.03000 | -.45900 | -.46000 | 1580.00000 |
| 1.049 | 7.910 | -.04000 | -.06000 | -.03000 | 1.97000 | -.09000 | -.03000 | -.47600 | -.47600 | 1580.00000 |
| 1.049 | 9.930 | -.02000 | -.06000 | -.03000 | 2.08500 | -.09000 | -.03000 | -.49700 | -.50000 | 1580.00000 |
| 1.048 | 11.950 | -.03000 | -.06000 | -.03000 | 2.09800 | -.09000 | -.03000 | -.51300 | -.51400 | 1580.00000 |
| 1.049 | 13.980 | -.02000 | -.06000 | -.03000 | 2.06600 | -.09000 | -.03000 | -.51900 | -.51800 | 1580.00000 |
| 1.048 | 16.020 | -.01000 | -.06000 | -.03000 | 1.98800 | -.09000 | -.03000 | -.55200 | -.55300 | 1580.00000 |
| 1.048 | 18.000 | -.01000 | -.06000 | -.03000 | 1.93600 | -.09000 | -.03000 | -.59200 | -.59100 | 1580.00000 |
| | GRADIENT | .00149 | -.00000 | -.00000 | .34144 | .00000 | -.00000 | -.00026 | -.00051 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B196) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 398/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -1.990 | 4.17000 | -.06000 | -.03000 | -.78900 | -.09000 | -.03000 | -.33200 | -.33100 | 1420.00000 |
| .898 | -.020 | 4.20000 | -.06000 | -.03000 | .22400 | -.09000 | -.03000 | -.33200 | -.33100 | 1420.00000 |
| .900 | 1.960 | 4.19000 | -.06000 | -.03000 | 1.20200 | -.09000 | -.03000 | -.33600 | -.33800 | 1420.00000 |
| .899 | 3.920 | 4.20000 | -.06000 | -.03000 | 1.95700 | -.09000 | -.03000 | -.33500 | -.34100 | 1420.00000 |
| .901 | 5.930 | 4.23000 | -.06000 | -.03000 | 2.43100 | -.09000 | -.03000 | -.34700 | -.34900 | 1420.00000 |
| .899 | 7.950 | 4.26000 | -.06000 | -.03000 | 2.65200 | -.09000 | -.03000 | -.34800 | -.34900 | 1420.00000 |
| .900 | 9.950 | 4.27000 | -.06000 | -.03000 | 2.69100 | -.09000 | -.03000 | -.36300 | -.36400 | 1420.00000 |
| .899 | 11.990 | 4.31000 | -.06000 | -.03000 | 2.62700 | -.09000 | -.03000 | -.37900 | -.37200 | 1420.00000 |
| .899 | 14.010 | 4.34000 | -.06000 | -.03000 | 2.50300 | -.09000 | -.03000 | -.39000 | -.39500 | 1420.00000 |
| .900 | 16.030 | 4.37000 | -.06000 | -.03000 | 2.34500 | -.09000 | -.03000 | -.42200 | -.41900 | 1420.00000 |
| .898 | 17.990 | 4.39000 | -.06000 | -.03000 | 2.22300 | -.09000 | -.03000 | -.43900 | -.44400 | 1420.00000 |
| | GRADIENT | .00406 | -.00000 | -.00000 | .46763 | -.00000 | -.00000 | -.00066 | -.00188 | .00000 |

RUN NO. 393/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -1.960 | 4.17000 | -.06000 | -.03000 | -.77300 | -.09000 | -.03000 | -.34700 | -.34600 | 1481.00000 |
| .952 | -.020 | 4.19000 | -.06000 | -.03000 | .13100 | -.09000 | -.03000 | -.35300 | -.34900 | 1481.00000 |
| .950 | 1.970 | 4.18000 | -.06000 | -.03000 | 1.03400 | -.09000 | -.03000 | -.35200 | -.35300 | 1481.00000 |
| .950 | 3.950 | 4.19000 | -.06000 | -.03000 | 1.72400 | -.09000 | -.03000 | -.36400 | -.36600 | 1481.00000 |
| .952 | 5.940 | 4.20000 | -.06000 | -.03000 | 2.15500 | -.09000 | -.03000 | -.37900 | -.37500 | 1481.00000 |
| .950 | 7.870 | 4.23000 | -.06000 | -.03000 | 2.43000 | -.09000 | -.03000 | -.38100 | -.38200 | 1481.00000 |
| .951 | 9.910 | 4.24000 | -.06000 | -.03000 | 2.51300 | -.09000 | -.03000 | -.40200 | -.41000 | 1481.00000 |
| .951 | 11.990 | 4.27000 | -.06000 | -.03000 | 2.48000 | -.09000 | -.03000 | -.41900 | -.42300 | 1481.00000 |
| .950 | 14.000 | 4.28000 | -.06000 | -.03000 | 2.37900 | -.09000 | -.03000 | -.44000 | -.44400 | 1481.00000 |
| .950 | 16.020 | 4.29000 | -.06000 | -.03000 | 2.25100 | -.09000 | -.03000 | -.47800 | -.47500 | 1481.00000 |
| .950 | 18.040 | 4.29000 | -.06000 | -.03000 | 2.13800 | -.09000 | -.03000 | -.49900 | -.51000 | 1481.00000 |
| | GRADIENT | .00252 | -.00000 | -.00000 | .42557 | -.00000 | -.00000 | -.00254 | -.00325 | .00000 |

ARC 200-1 11(LA77) OV101 (A28196) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 390/ 0 RN/L = 8.06 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -1.960 | 4.18000 | -.06000 | -.03000 | -.63900 | -.09000 | -.03000 | -.46900 | -.46800 | 1580.00000 |
| 1.050 | -.010 | 4.20000 | -.06000 | -.03000 | .06300 | -.09000 | -.03000 | -.47300 | -.47200 | 1580.00000 |
| 1.049 | 2.000 | 4.20000 | -.06000 | -.03000 | .77100 | -.09000 | -.03000 | -.48800 | -.48800 | 1580.00000 |
| 1.048 | 4.000 | 4.20000 | -.06000 | -.03000 | 1.34400 | -.09000 | -.03000 | -.51100 | -.51100 | 1580.00000 |
| 1.050 | 6.000 | 4.21000 | -.06000 | -.03000 | 1.72300 | -.09000 | -.03000 | -.53200 | -.53200 | 1580.00000 |
| 1.049 | 7.940 | 4.24000 | -.06000 | -.03000 | 1.92900 | -.09000 | -.03000 | -.55600 | -.55400 | 1580.00000 |
| 1.050 | 9.950 | 4.26000 | -.06000 | -.03000 | 2.04500 | -.09000 | -.03000 | -.56500 | -.56200 | 1580.00000 |
| 1.049 | 12.010 | 4.30000 | -.06000 | -.03000 | 2.07700 | -.09000 | -.03000 | -.57100 | -.57000 | 1580.00000 |
| 1.048 | 14.020 | 4.32000 | -.06000 | -.03000 | 2.05300 | -.09000 | -.03000 | -.56800 | -.57000 | 1580.00000 |
| 1.048 | 16.010 | 4.33000 | -.06000 | -.03000 | 2.00800 | -.09000 | -.03000 | -.57600 | -.57500 | 1580.00000 |
| 1.047 | 17.960 | 4.35000 | -.06000 | -.03000 | 1.94400 | -.09000 | -.03000 | -.58800 | -.59100 | 1580.00000 |
| | GRADIENT | .00300 | -.00000 | -.00000 | .33462 | .00000 | -.00000 | -.00715 | -.00725 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28197) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 399/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.320 | 5.06000 | -.06000 | -.03000 | 2.30300 | -.09000 | -.03000 | -.34300 | -.34600 | 1416.00000 |
| .898 | -4.240 | 5.03000 | -.06000 | -.03000 | 2.32200 | -.09000 | -.03000 | -.32900 | -.33600 | 1416.00000 |
| .900 | -3.180 | 5.04000 | -.06000 | -.03000 | 2.30700 | -.09000 | -.03000 | -.31900 | -.31800 | 1416.00000 |
| .899 | -2.120 | 5.04000 | -.06000 | -.03000 | 2.31400 | -.09000 | -.03000 | -.30400 | -.30400 | 1416.00000 |
| .898 | -1.080 | 4.98000 | -.06000 | -.03000 | 2.28400 | -.09000 | -.03000 | -.30100 | -.30200 | 1416.00000 |
| .900 | -.020 | 5.01000 | -.06000 | -.03000 | 2.24800 | -.09000 | -.03000 | -.30500 | -.30800 | 1416.00000 |
| .898 | 1.030 | 5.00000 | -.06000 | -.03000 | 2.25800 | -.09000 | -.03000 | -.30800 | -.30900 | 1416.00000 |
| .901 | 2.060 | 5.01000 | -.06000 | -.03000 | 2.26200 | -.09000 | -.03000 | -.31800 | -.31400 | 1416.00000 |
| .898 | 3.100 | 5.01000 | -.06000 | -.03000 | 2.26600 | -.09000 | -.03000 | -.32200 | -.32600 | 1416.00000 |
| .900 | 4.160 | 4.99000 | -.06000 | -.03000 | 2.23300 | -.09000 | -.03000 | -.33700 | -.33000 | 1416.00000 |
| .899 | 6.260 | 4.97000 | -.06000 | -.03000 | 2.21100 | -.09000 | -.03000 | -.36000 | -.35600 | 1416.00000 |
| .899 | 8.330 | 4.97000 | -.06000 | -.03000 | 2.21800 | -.09000 | -.03000 | -.37900 | -.38000 | 1416.00000 |
| | GRADIENT | -.00461 | -.00000 | -.00000 | -.00969 | .00000 | -.00000 | -.00120 | -.00042 | .00000 |

ARC 200-I 11(LA77) OV101 - TO + BETA (A2B197) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 394/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.310 | 5.04000 | -.06000 | -.03000 | 2.01500 | -.09000 | -.03000 | -.38300 | -.38400 | 1479.00000 |
| .951 | -4.220 | 5.01000 | -.06000 | -.03000 | 2.06200 | -.09000 | -.03000 | -.36400 | -.36200 | 1479.00000 |
| .950 | -3.170 | 5.02000 | -.06000 | -.03000 | 2.06400 | -.09000 | -.03000 | -.34500 | -.34200 | 1479.00000 |
| .951 | -2.120 | 5.02000 | -.06000 | -.03000 | 2.06700 | -.09000 | -.03000 | -.33700 | -.34300 | 1479.00000 |
| .950 | -1.080 | 5.01000 | -.06000 | -.03000 | 2.05600 | -.09000 | -.03000 | -.33700 | -.33300 | 1479.00000 |
| .951 | -.010 | 4.98000 | -.06000 | -.03000 | 2.06600 | -.09000 | -.03000 | -.34800 | -.34700 | 1479.00000 |
| .948 | 1.010 | 5.00000 | -.06000 | -.03000 | 2.06400 | -.09000 | -.03000 | -.33700 | -.33800 | 1479.00000 |
| .952 | 2.040 | 5.00000 | -.06000 | -.03000 | 2.04400 | -.09000 | -.03000 | -.34900 | -.34600 | 1479.00000 |
| .951 | 3.080 | 4.99000 | -.06000 | -.03000 | 2.01300 | -.09000 | -.03000 | -.36100 | -.35400 | 1479.00000 |
| .950 | 4.150 | 4.97000 | -.06000 | -.03000 | 1.97500 | -.09000 | -.03000 | -.36200 | -.36500 | 1479.00000 |
| .951 | 6.240 | 4.95000 | -.06000 | -.03000 | 1.93400 | -.09000 | -.03000 | -.38900 | -.39700 | 1479.00000 |
| .949 | 8.320 | 4.96000 | -.06000 | -.03000 | 1.90700 | -.09000 | -.03000 | -.41600 | -.41800 | 1479.00000 |
| | GRADIENT | -.00480 | -.00000 | -.00000 | -.00860 | -.00000 | -.00000 | -.00102 | -.00094 | -.00000 |

RUN NO. 391/ 0 RN/L = 8.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -6.320 | 5.10000 | -.06000 | -.03000 | 1.61700 | -.09000 | -.03000 | -.51900 | -.51900 | 1580.00000 |
| 1.048 | -4.240 | 5.05000 | -.06000 | -.03000 | 1.61200 | -.09000 | -.03000 | -.50400 | -.50300 | 1580.00000 |
| 1.050 | -3.190 | 5.03000 | -.06000 | -.03000 | 1.61300 | -.09000 | -.03000 | -.48100 | -.48200 | 1580.00000 |
| 1.049 | -2.130 | 5.03000 | -.06000 | -.03000 | 1.61400 | -.09000 | -.03000 | -.46500 | -.46800 | 1580.00000 |
| 1.048 | -1.080 | 5.02000 | -.06000 | -.03000 | 1.61000 | -.09000 | -.03000 | -.45400 | -.45500 | 1580.00000 |
| 1.049 | -.010 | 5.01000 | -.06000 | -.03000 | 1.60400 | -.09000 | -.03000 | -.44700 | -.45100 | 1580.00000 |
| 1.050 | 1.020 | 5.03000 | -.06000 | -.03000 | 1.60300 | -.09000 | -.03000 | -.45200 | -.45200 | 1580.00000 |
| 1.050 | 2.070 | 5.03000 | -.06000 | -.03000 | 1.59900 | -.09000 | -.03000 | -.46600 | -.46900 | 1580.00000 |
| 1.049 | 3.110 | 5.03000 | -.06000 | -.03000 | 1.59200 | -.09000 | -.03000 | -.48900 | -.48800 | 1580.00000 |
| 1.048 | 4.180 | 5.01000 | -.06000 | -.03000 | 1.56200 | -.09000 | -.03000 | -.52000 | -.52000 | 1580.00000 |
| 1.048 | 6.240 | 5.01000 | -.06000 | -.03000 | 1.53200 | -.09000 | -.03000 | -.53400 | -.53500 | 1580.00000 |
| 1.048 | 8.360 | 5.04000 | -.06000 | -.03000 | 1.53900 | -.09000 | -.03000 | -.53900 | -.53700 | 1580.00000 |
| | GRADIENT | -.00239 | .00000 | .00000 | -.00476 | .00000 | .00000 | -.00138 | -.00134 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B198) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 395/ 0 RN/L = 8.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -6.220 | 14.98000 | -.06000 | -.03000 | 2.29800 | -.09000 | -.03000 | -.45700 | -.45900 | 1483.00000 |
| .951 | -4.150 | 14.99000 | -.06000 | -.03000 | 2.30000 | -.09000 | -.03000 | -.45400 | -.45500 | 1483.00000 |
| .951 | -3.100 | 14.97000 | -.06000 | -.03000 | 2.29900 | -.09000 | -.03000 | -.43100 | -.44000 | 1483.00000 |
| .950 | -2.060 | 14.94000 | -.06000 | -.03000 | 2.29900 | -.09000 | -.03000 | -.42500 | -.41900 | 1483.00000 |
| .950 | -1.020 | 14.93000 | -.06000 | -.03000 | 2.29200 | -.09000 | -.03000 | -.43200 | -.41800 | 1483.00000 |
| .951 | .030 | 14.93000 | -.06000 | -.03000 | 2.29300 | -.09000 | -.03000 | -.44200 | -.43700 | 1483.00000 |
| .950 | 1.040 | 14.92000 | -.06000 | -.03000 | 2.30100 | -.09000 | -.03000 | -.43600 | -.42500 | 1483.00000 |
| .950 | 2.060 | 14.94000 | -.06000 | -.03000 | 2.30900 | -.09000 | -.03000 | -.44400 | -.43100 | 1483.00000 |
| .950 | 3.090 | 14.97000 | -.06000 | -.03000 | 2.30600 | -.09000 | -.03000 | -.44000 | -.44600 | 1483.00000 |
| .951 | 4.130 | 14.99000 | -.06000 | -.03000 | 2.29400 | -.09000 | -.03000 | -.43700 | -.44800 | 1483.00000 |
| .950 | 6.260 | 15.00000 | -.06000 | -.03000 | 2.31700 | -.09000 | -.03000 | -.47400 | -.47500 | 1483.00000 |
| .950 | 8.380 | 15.03000 | -.06000 | -.03000 | 2.34700 | -.09000 | -.03000 | -.45100 | -.45400 | 1483.00000 |
| | GRADIENT | -.00019 | -.00000 | -.00000 | .00041 | -.00000 | -.00000 | -.00001 | -.00033 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B199) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 22.000
RN/L = 8.000

RUN NO. 396/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -6.220 | 14.99000 | -.06000 | -.03000 | 2.30700 | -.09000 | -.03000 | -.46500 | -.46700 | 1482.00000 |
| .949 | -4.230 | 14.97000 | -.06000 | -.03000 | 2.32700 | -.09000 | -.03000 | -.43700 | -.43900 | 1482.00000 |
| .950 | -3.180 | 14.99000 | -.06000 | -.03000 | 2.32100 | -.09000 | -.03000 | -.43300 | -.43100 | 1482.00000 |
| .953 | -2.140 | 14.97000 | -.06000 | -.03000 | 2.29600 | -.09000 | -.03000 | -.43100 | -.43800 | 1482.00000 |
| .949 | -1.090 | 14.96000 | -.06000 | -.03000 | 2.30600 | -.09000 | -.03000 | -.43200 | -.43400 | 1482.00000 |
| .953 | -.030 | 15.00000 | -.06000 | -.03000 | 2.28500 | -.09000 | -.03000 | -.43200 | -.43700 | 1482.00000 |
| .949 | 1.010 | 15.01000 | -.06000 | -.03000 | 2.30600 | -.09000 | -.03000 | -.42800 | -.43300 | 1482.00000 |
| .951 | 2.100 | 15.03000 | -.06000 | -.03000 | 2.29200 | -.09000 | -.03000 | -.43200 | -.43500 | 1482.00000 |
| .948 | 3.200 | 15.05000 | -.06000 | -.03000 | 2.30000 | -.09000 | -.03000 | -.44400 | -.44600 | 1482.00000 |
| .950 | 4.280 | 15.06000 | -.06000 | -.03000 | 2.29000 | -.09000 | -.03000 | -.44400 | -.43500 | 1482.00000 |
| .951 | 6.390 | 15.03000 | -.06000 | -.03000 | 2.31000 | -.09000 | -.03000 | -.47300 | -.46900 | 1482.00000 |
| .952 | 8.430 | 15.03000 | -.06000 | -.03000 | 2.33800 | -.09000 | -.03000 | -.46700 | -.46500 | 1482.00000 |
| | GRADIENT | .01117 | .00000 | .00000 | -.00342 | .00000 | .00000 | -.00094 | -.00035 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B200) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 7.000

RUN NO. 417/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -2.030 | -.03000 | -.06000 | -.03000 | -1.88900 | -.09000 | -.03000 | -.22400 | -.22600 | 882.80000 |
| .598 | -.040 | -.03000 | -.06000 | -.03000 | -.57700 | -.09000 | -.03000 | -.22100 | -.22100 | 882.80000 |
| .599 | 1.920 | -.02000 | -.06000 | -.03000 | .82800 | -.09000 | -.03000 | -.21000 | -.21200 | 882.80000 |
| .600 | 4.010 | -.02000 | -.06000 | -.03000 | 2.31000 | -.09000 | -.03000 | -.21200 | -.21100 | 882.80000 |
| .600 | 5.970 | -.03000 | -.06000 | -.03000 | 3.44000 | -.09000 | -.03000 | -.21300 | -.21000 | 882.80000 |
| .600 | 7.900 | -.03000 | -.06000 | -.03000 | 4.22900 | -.09000 | -.03000 | -.20800 | -.21000 | 882.80000 |
| .600 | 9.940 | -.02000 | -.06000 | -.03000 | 4.56900 | -.09000 | -.03000 | -.21300 | -.21100 | 882.80000 |
| .600 | 11.950 | -.02000 | -.06000 | -.03000 | 4.50400 | -.09000 | -.03000 | -.21500 | -.21700 | 882.80000 |
| .600 | 13.930 | -.02000 | -.06000 | -.03000 | 3.92200 | -.09000 | -.03000 | -.22700 | -.23000 | 882.80000 |
| .600 | 15.950 | -.01000 | -.06000 | -.03000 | 3.36700 | -.09000 | -.03000 | -.24100 | -.23900 | 882.80000 |
| .599 | 17.990 | .00000 | -.06000 | -.03000 | 2.92700 | -.09000 | -.03000 | -.26100 | -.26600 | 882.80000 |
| | GRADIENT | .00198 | -.00000 | -.00000 | .69738 | .00000 | -.00000 | .00233 | .00268 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B200) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 7.000

RUN NO. 403/ 0 RN/L = 7.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.202 | -1.980 | -.04000 | -.06000 | -.03000 | -.81300 | -.09000 | -.03000 | -.37000 | -.36900 | 1437.00000 |
| 1.200 | .010 | -.03000 | -.06000 | -.03000 | -.04000 | -.09000 | -.03000 | -.35400 | -.35400 | 1437.00000 |
| 1.201 | 1.950 | -.02000 | -.06000 | -.03000 | .69600 | -.09000 | -.03000 | -.34600 | -.34300 | 1437.00000 |
| 1.201 | 3.980 | -.03000 | -.06000 | -.03000 | 1.33900 | -.09000 | -.03000 | -.34500 | -.34700 | 1437.00000 |
| 1.200 | 5.950 | -.03000 | -.06000 | -.03000 | 1.79800 | -.09000 | -.03000 | -.35000 | -.34900 | 1437.00000 |
| 1.200 | 7.940 | -.04000 | -.06000 | -.03000 | 2.08900 | -.09000 | -.03000 | -.36000 | -.36000 | 1437.00000 |
| 1.201 | 9.960 | -.02000 | -.06000 | -.03000 | 2.24800 | -.09000 | -.03000 | -.36400 | -.36500 | 1437.00000 |
| 1.199 | 11.940 | -.02000 | -.06000 | -.03000 | 2.30600 | -.09000 | -.03000 | -.37200 | -.37100 | 1437.00000 |
| 1.200 | 13.970 | -.02000 | -.06000 | -.03000 | 2.26100 | -.09000 | -.03000 | -.39000 | -.39000 | 1437.00000 |
| 1.200 | 15.970 | -.02000 | -.06000 | -.03000 | 2.16200 | -.09000 | -.03000 | -.42500 | -.42300 | 1437.00000 |
| 1.199 | 17.980 | -.02000 | -.06000 | -.03000 | 2.05400 | -.09000 | -.03000 | -.45200 | -.45400 | 1437.00000 |
| | GRADIENT | .00200 | -.00000 | -.00000 | .36275 | .00000 | -.00000 | .00418 | .00387 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B201) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 7.000

RUN NO. 418/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .601 | -2.070 | 4.14000 | -.06000 | -.03000 | -1.97400 | -.09000 | -.03000 | -.24000 | -.24100 | 886.10000 |
| .600 | -.020 | 4.13000 | -.06000 | -.03000 | -.58900 | -.09000 | -.03000 | -.24400 | -.23700 | 886.10000 |
| .600 | 1.970 | 4.13000 | -.06000 | -.03000 | .86600 | -.09000 | -.03000 | -.23700 | -.24100 | 886.10000 |
| .600 | 4.030 | 4.13000 | -.06000 | -.03000 | 2.31900 | -.09000 | -.03000 | -.24500 | -.23700 | 886.10000 |
| .599 | 5.960 | 4.15000 | -.06000 | -.03000 | 3.45000 | -.09000 | -.03000 | -.24200 | -.24100 | 886.10000 |
| .600 | 7.940 | 4.19000 | -.06000 | -.03000 | 4.23200 | -.09000 | -.03000 | -.24200 | -.24000 | 886.10000 |
| .600 | 9.950 | 4.21000 | -.06000 | -.03000 | 4.60200 | -.09000 | -.03000 | -.25600 | -.25500 | 886.10000 |
| .599 | 11.990 | 4.21000 | -.06000 | -.03000 | 4.52300 | -.09000 | -.03000 | -.26100 | -.25600 | 886.10000 |
| .600 | 14.010 | 4.23000 | -.06000 | -.03000 | 3.90800 | -.09000 | -.03000 | -.26500 | -.26100 | 886.10000 |
| .600 | 16.000 | 4.23000 | -.06000 | -.03000 | 3.38100 | -.09000 | -.03000 | -.27800 | -.27600 | 886.10000 |
| .599 | 18.030 | 4.24000 | -.06000 | -.03000 | 2.98300 | -.09000 | -.03000 | -.28800 | -.28100 | 886.10000 |
| | GRADIENT | -.00148 | .00000 | .00000 | .70641 | .00000 | .00000 | -.00040 | .00040 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B201) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 7.000

RUN NO. 404/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -2.010 | 4.16000 | -.06000 | -.03000 | -.83200 | -.09000 | -.03000 | -.39700 | -.39700 | 1433.00000 |
| 1.201 | .020 | 4.19000 | -.06000 | -.03000 | -.07200 | -.09000 | -.03000 | -.38600 | -.38900 | 1433.00000 |
| 1.202 | 1.970 | 4.18000 | -.06000 | -.03000 | .64300 | -.09000 | -.03000 | -.38200 | -.38100 | 1433.00000 |
| 1.199 | 3.900 | 4.19000 | -.06000 | -.03000 | 1.26700 | -.09000 | -.03000 | -.38200 | -.38200 | 1433.00000 |
| 1.200 | 5.920 | 4.20000 | -.06000 | -.03000 | 1.74900 | -.09000 | -.03000 | -.39100 | -.39200 | 1433.00000 |
| 1.200 | 7.890 | 4.23000 | -.06000 | -.03000 | 2.04100 | -.09000 | -.03000 | -.40600 | -.40800 | 1433.00000 |
| 1.198 | 9.990 | 4.26000 | -.06000 | -.03000 | 2.21300 | -.09000 | -.03000 | -.42100 | -.42200 | 1433.00000 |
| 1.199 | 11.980 | 4.29000 | -.06000 | -.03000 | 2.25600 | -.09000 | -.03000 | -.42700 | -.42600 | 1433.00000 |
| 1.200 | 14.000 | 4.31000 | -.06000 | -.03000 | 2.23500 | -.09000 | -.03000 | -.43800 | -.43800 | 1433.00000 |
| 1.199 | 16.010 | 4.32000 | -.06000 | -.03000 | 2.14900 | -.09000 | -.03000 | -.46000 | -.46300 | 1433.00000 |
| 1.200 | 18.010 | 4.34000 | -.06000 | -.03000 | 2.04700 | -.09000 | -.03000 | -.47500 | -.47700 | 1433.00000 |
| | GRADIENT | .00410 | -.00000 | -.00000 | .35642 | -.00000 | -.00000 | .00250 | .00270 | .00000 |

ARC 200-1 11(LA77) OV101 - TC + BETA (A2B202) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 7.000

RUN NO. 419/ 0 RN/L = 7.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .599 | -6.080 | 9.96000 | -.06000 | -.03000 | 4.67300 | -.09000 | -.03000 | -.27100 | -.26500 | 882.50000 |
| .599 | -4.060 | 9.96000 | -.06000 | -.03000 | 4.65900 | -.09000 | -.03000 | -.24400 | -.25000 | 882.50000 |
| .599 | -3.030 | 9.94000 | -.06000 | -.03000 | 4.61800 | -.09000 | -.03000 | -.23500 | -.23600 | 882.50000 |
| .600 | -2.020 | 9.93000 | -.06000 | -.03000 | 4.59200 | -.09000 | -.03000 | -.22700 | -.22200 | 882.50000 |
| .600 | -.990 | 9.89000 | .74000 | .83000 | 4.57600 | 1.57000 | -.09000 | -.39400 | .00400 | 882.50000 |
| .599 | -.010 | 9.92000 | -.06000 | -.03000 | 4.55800 | -.09000 | -.03000 | -.20500 | -.21100 | 882.50000 |
| .600 | .990 | 9.93000 | -.06000 | -.03000 | 4.52800 | -.09000 | -.03000 | -.21800 | -.22000 | 882.50000 |
| .599 | 2.020 | 9.97000 | -.06000 | -.03000 | 4.53700 | -.09000 | -.03000 | -.22900 | -.22800 | 882.50000 |
| .600 | 3.070 | 9.98000 | -.06000 | -.03000 | 4.56300 | -.09000 | -.03000 | -.24600 | -.24300 | 882.50000 |
| .599 | 4.100 | 9.97000 | -.06000 | -.03000 | 4.56700 | -.09000 | -.03000 | -.25200 | -.26000 | 882.50000 |
| .600 | 6.180 | 9.95000 | -.06000 | -.03000 | 4.57700 | -.09000 | -.03000 | -.26500 | -.26000 | 882.50000 |
| .599 | 8.260 | 9.97000 | -.06000 | -.03000 | 4.65400 | -.09000 | -.03000 | -.27500 | -.27600 | 882.50000 |
| | GRADIENT | .00459 | -.01287 | -.01384 | -.01128 | -.02671 | .00097 | .00168 | -.00482 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B202) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 7.000

RUN NO. 405/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.200 | -6.180 | 10.02000 | -.06000 | -.03000 | 2.22500 | -.09000 | -.03000 | -.41000 | -.40800 | 1434.00000 |
| 1.200 | -4.130 | 10.01000 | -.06000 | -.03000 | 2.24300 | -.09000 | -.03000 | -.40100 | -.40100 | 1434.00000 |
| 1.199 | -3.100 | 10.00000 | -.06000 | -.03000 | 2.25200 | -.09000 | -.03000 | -.38700 | -.38800 | 1434.00000 |
| 1.198 | -2.050 | 9.97000 | -.06000 | -.03000 | 2.25600 | -.09000 | -.03000 | -.37700 | -.37600 | 1434.00000 |
| 1.201 | -1.010 | 9.95000 | -.06000 | -.03000 | 2.25500 | -.09000 | -.03000 | -.36600 | -.36500 | 1434.00000 |
| 1.199 | -.020 | 9.93000 | -.06000 | -.03000 | 2.24800 | -.09000 | -.03000 | -.36300 | -.36200 | 1434.00000 |
| 1.200 | 1.020 | 9.99000 | -.06000 | -.03000 | 2.24400 | -.09000 | -.03000 | -.37200 | -.37200 | 1434.00000 |
| 1.199 | 2.090 | 10.02000 | -.06000 | -.03000 | 2.23800 | -.09000 | -.03000 | -.38700 | -.38600 | 1434.00000 |
| 1.200 | 3.130 | 10.02000 | -.06000 | -.03000 | 2.22800 | -.09000 | -.03000 | -.40200 | -.40200 | 1434.00000 |
| 1.200 | 4.190 | 10.01000 | -.06000 | -.03000 | 2.20700 | -.09000 | -.03000 | -.41900 | -.41900 | 1434.00000 |
| 1.200 | 6.260 | 10.00000 | -.06000 | -.03000 | 2.18400 | -.09000 | -.03000 | -.41800 | -.41800 | 1434.00000 |
| 1.200 | 8.390 | 10.01000 | -.06000 | -.03000 | 2.19100 | -.09000 | -.03000 | -.42100 | -.42300 | 1434.00000 |
| | GRADIENT | .00324 | -.00000 | -.00000 | -.00423 | -.00000 | -.00000 | -.00232 | -.00229 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B203) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 416/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -2.010 | -.04000 | -.06000 | -.03000 | -1.66800 | -.09000 | -.03000 | -.23600 | -.23700 | 1420.00000 |
| .903 | -.040 | -.03000 | -.06000 | -.03000 | -.34600 | -.09000 | -.03000 | -.22500 | -.22100 | 1420.00000 |
| .902 | 1.950 | -.03000 | -.06000 | -.03000 | .98800 | -.09000 | -.03000 | -.22200 | -.21900 | 1420.00000 |
| .901 | 3.930 | -.03000 | -.06000 | -.03000 | 2.06000 | -.09000 | -.03000 | -.21800 | -.22200 | 1420.00000 |
| .902 | 5.870 | -.03000 | -.06000 | -.03000 | 2.66600 | -.09000 | -.03000 | -.21800 | -.21700 | 1420.00000 |
| .903 | 7.770 | -.04000 | -.06000 | -.03000 | 2.94200 | -.09000 | -.03000 | -.21900 | -.21900 | 1420.00000 |
| .902 | 9.900 | -.02000 | -.06000 | -.03000 | 3.02600 | -.09000 | -.03000 | -.22800 | -.23100 | 1420.00000 |
| .901 | 11.930 | -.02000 | -.06000 | -.03000 | 2.90200 | -.09000 | -.03000 | -.24400 | -.25000 | 1420.00000 |
| .900 | 13.880 | -.01000 | -.06000 | -.03000 | 2.71700 | -.09000 | -.03000 | -.26100 | -.26600 | 1420.00000 |
| .903 | 15.880 | .00000 | -.06000 | -.03000 | 2.52200 | -.09000 | -.03000 | -.28800 | -.28000 | 1420.00000 |
| .902 | 17.920 | .01000 | -.06000 | -.03000 | 2.36600 | -.09000 | -.03000 | -.33800 | -.33000 | 1420.00000 |
| | GRADIENT | .00151 | -.00000 | -.00000 | .63189 | -.00000 | -.00000 | .00268 | .00237 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B203) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 409/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -1.950 | -.04000 | -.06000 | -.03000 | -1.43200 | -.09000 | -.03000 | -.25200 | -.25000 | 1465.00000 |
| .950 | -.040 | -.03000 | -.06000 | -.03000 | -.38000 | -.09000 | -.03000 | -.23800 | -.23900 | 1465.00000 |
| .950 | 2.070 | -.03000 | -.06000 | -.03000 | .85400 | -.09000 | -.03000 | -.24100 | -.24200 | 1465.00000 |
| .949 | 3.960 | -.03000 | -.06000 | -.03000 | 1.82600 | -.09000 | -.03000 | -.24400 | -.24700 | 1465.00000 |
| .950 | 5.940 | -.04000 | -.06000 | -.03000 | 2.47700 | -.09000 | -.03000 | -.24800 | -.24400 | 1465.00000 |
| .950 | 7.890 | -.05000 | -.06000 | -.03000 | 2.80000 | -.09000 | -.03000 | -.25000 | -.25100 | 1465.00000 |
| .951 | 9.910 | -.04000 | -.06000 | -.03000 | 2.87100 | -.09000 | -.03000 | -.25000 | -.25300 | 1465.00000 |
| .950 | 11.860 | -.05000 | -.06000 | -.03000 | 2.78400 | [illegible] | -.03000 | -.26800 | -.26800 | 1465.00000 |
| .949 | 13.900 | -.05000 | -.06000 | -.03000 | 2.62600 | [illegible] | -.03000 | -.29700 | -.30300 | 1465.00000 |
| .951 | 15.950 | -.05000 | -.06000 | -.03000 | 2.44400 | [illegible] | -.03000 | -.33900 | -.32800 | 1465.00000 |
| .947 | 17.940 | -.06000 | -.06000 | -.03000 | 2.25900 | [illegible] | -.03000 | -.36000 | -.37100 | 1465.00000 |
| | GRADIENT | .00150 | -.00000 | -.00000 | .55508 | .00000 | -.00000 | .00104 | .00029 | .00000 |

RUN NO. 407/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -1.930 | -.05000 | -.06000 | -.03000 | -1.06000 | -.09000 | -.03000 | -.37500 | -.37800 | 1562.00000 |
| 1.047 | -.010 | -.03000 | -.06000 | -.03000 | -.24100 | -.09000 | -.03000 | -.35900 | -.36100 | 1562.00000 |
| 1.048 | 2.010 | -.03000 | -.06000 | -.03000 | .66400 | -.09000 | -.03000 | -.35400 | -.35600 | 1562.00000 |
| 1.046 | 3.990 | -.03000 | -.06000 | -.03000 | 1.40100 | -.09000 | -.03000 | -.36300 | -.36500 | 1562.00000 |
| 1.049 | 5.990 | -.04000 | -.06000 | -.03000 | 1.91300 | -.09000 | -.03000 | -.37100 | -.36700 | 1562.00000 |
| 1.047 | 7.910 | -.05000 | -.06000 | -.03000 | 2.19600 | -.09000 | -.03000 | -.38300 | -.38400 | 1562.00000 |
| 1.049 | 9.940 | -.02000 | -.06000 | -.03000 | 2.34600 | -.09000 | -.03000 | -.38700 | -.38700 | 1562.00000 |
| 1.049 | 11.880 | -.03000 | -.06000 | -.03000 | 2.35500 | -.09000 | -.03000 | -.39200 | -.39400 | 1562.00000 |
| 1.046 | 13.910 | -.03000 | -.06000 | -.03000 | 2.28600 | -.09000 | -.03000 | -.41300 | -.41300 | 1562.00000 |
| 1.047 | 15.940 | -.02000 | -.06000 | -.03000 | 2.18300 | -.09000 | -.03000 | -.44200 | -.44200 | 1562.00000 |
| 1.048 | 17.930 | -.01000 | -.06000 | -.03000 | 2.09600 | -.09000 | -.03000 | -.48400 | -.48300 | 1562.00000 |
| | GRADIENT | .00301 | .00000 | .00000 | .41900 | .00000 | .00000 | .00205 | .00221 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B204) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 415/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -1.930 | 4.18000 | -.06000 | -.03000 | -1.66100 | -.09000 | -.03000 | -.27000 | -.26900 | 1420.00000 |
| .901 | -.040 | 4.19000 | -.06000 | -.03000 | -.42900 | -.09000 | -.03000 | -.25900 | -.26400 | 1420.00000 |
| .902 | 1.950 | 4.19000 | -.06000 | -.03000 | .94300 | -.09000 | -.03000 | -.25800 | -.26200 | 1420.00000 |
| .903 | 3.910 | 4.21000 | -.06000 | -.03000 | 2.04000 | -.09000 | -.03000 | -.24600 | -.24600 | 1420.00000 |
| .903 | 5.950 | 4.23000 | -.06000 | -.03000 | 2.71800 | -.09000 | -.03000 | -.25200 | -.24500 | 1420.00000 |
| .901 | 7.960 | 4.26000 | -.06000 | -.03000 | 3.00900 | -.09000 | -.03000 | -.25200 | -.25300 | 1420.00000 |
| .901 | 10.000 | 4.27000 | -.06000 | -.03000 | 3.01400 | -.09000 | -.03000 | -.26400 | -.26000 | 1420.00000 |
| .901 | 12.030 | 4.31000 | -.06000 | -.03000 | 2.89700 | -.09000 | -.03000 | -.27500 | -.27600 | 1420.00000 |
| .902 | 14.130 | 4.35000 | -.06000 | -.03000 | 2.70700 | -.09000 | -.03000 | -.30700 | -.31300 | 1420.00000 |
| .902 | 16.010 | 4.37000 | -.06000 | -.03000 | 2.54200 | -.09000 | -.03000 | -.32100 | -.32000 | 1420.00000 |
| .902 | 17.960 | 4.41000 | -.06000 | -.03000 | 2.39200 | -.09000 | -.03000 | -.33500 | -.34300 | 1420.00000 |
| | GRADIENT | .00461 | .00000 | .00000 | .63936 | .00000 | .00000 | .00374 | .00364 | .00000 |

RUN NO. 410/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -1.950 | 4.25000 | -.06000 | -.03000 | -1.47200 | -.09000 | -.03000 | -.28700 | -.28500 | 1467.00000 |
| .951 | -.030 | 4.27000 | -.06000 | -.03000 | -.42200 | -.09000 | -.03000 | -.28900 | -.28200 | 1467.00000 |
| .951 | 1.970 | 4.18000 | -.06000 | -.03000 | .74700 | -.09000 | -.03000 | -.27800 | -.27900 | 1467.00000 |
| .949 | 3.940 | 4.19000 | -.06000 | -.03000 | 1.76700 | -.09000 | -.03000 | -.28800 | -.28900 | 1467.00000 |
| .950 | 5.940 | 4.20000 | -.06000 | -.03000 | 2.40400 | -.09000 | -.03000 | -.27800 | -.27600 | 1467.00000 |
| .951 | 7.930 | 4.22000 | -.06000 | -.03000 | 2.76100 | -.09000 | -.03000 | -.28100 | -.28300 | 1467.00000 |
| .949 | 9.910 | 4.23000 | -.06000 | -.03000 | 2.87200 | -.09000 | -.03000 | -.30800 | -.30600 | 1467.00000 |
| .947 | 11.950 | 4.27000 | -.06000 | -.03000 | 2.79700 | -.09000 | -.03000 | -.31300 | -.30900 | 1467.00000 |
| .951 | 14.020 | 4.28000 | -.06000 | -.03000 | 2.61200 | -.09000 | -.03000 | -.35000 | -.36000 | 1467.00000 |
| .950 | 16.080 | 4.29000 | -.06000 | -.03000 | 2.43400 | -.09000 | -.03000 | -.36800 | -.38000 | 1467.00000 |
| .951 | 18.000 | 4.29000 | -.06000 | -.03000 | 2.29500 | -.09000 | -.03000 | -.41800 | -.41100 | 1467.00000 |
| | GRADIENT | -.01379 | -.00000 | -.00000 | .55345 | .00000 | -.00000 | .00041 | -.00046 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B204) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 408/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -1.940 | 4.26000 | -.06000 | -.03000 | -1.05400 | -.09000 | -.03000 | -.41400 | -.41300 | 1559.00000 |
| 1.051 | -.010 | 4.29000 | -.06000 | -.03000 | -.25800 | -.09000 | -.03000 | -.40000 | -.40300 | 1559.00000 |
| 1.049 | 2.020 | 4.28000 | -.06000 | -.03000 | .62400 | -.09000 | -.03000 | -.40600 | -.40700 | 1559.00000 |
| 1.047 | 4.010 | 4.28000 | -.06000 | -.03000 | 1.34900 | -.09000 | -.03000 | -.41500 | -.41400 | 1559.00000 |
| 1.048 | 6.010 | 4.29000 | -.06000 | -.03000 | 1.85100 | -.09000 | -.03000 | -.43000 | -.42800 | 1559.00000 |
| 1.048 | 7.960 | 4.32000 | -.06000 | -.03000 | 2.12300 | -.09000 | -.03000 | -.44500 | -.44800 | 1559.00000 |
| 1.047 | 9.970 | 4.33000 | -.06000 | -.03000 | 2.26900 | -.09000 | -.03000 | -.45400 | -.45300 | 1559.00000 |
| 1.049 | 11.930 | 4.38000 | -.06000 | -.03000 | 2.31800 | -.09000 | -.03000 | -.44300 | -.44500 | 1559.00000 |
| 1.047 | 13.990 | 4.39000 | -.06000 | -.03000 | 2.27400 | -.09000 | -.03000 | -.46300 | -.46300 | 1559.00000 |
| 1.047 | 16.040 | 4.41000 | -.06000 | -.03000 | 2.19000 | -.09000 | -.03000 | -.48200 | -.48400 | 1559.00000 |
| 1.047 | 17.990 | 4.44000 | -.06000 | -.03000 | 2.09100 | -.09000 | -.03000 | -.50100 | -.50700 | 1559.00000 |
| | GRADIENT | .00247 | -.00000 | -.00000 | .40699 | -.00000 | -.00000 | -.00048 | -.00037 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B205) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 414/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .905 | -6.330 | 5.07000 | -.06000 | -.03000 | 2.53000 | -.09000 | -.03000 | -.27000 | -.27000 | 1427.00000 |
| .903 | -4.240 | 5.03000 | -.06000 | -.03000 | 2.52100 | -.09000 | -.03000 | -.24200 | -.23900 | 1427.00000 |
| .903 | -3.190 | 5.02000 | -.06000 | -.03000 | 2.51300 | -.09000 | -.03000 | -.22900 | -.23400 | 1427.00000 |
| .902 | -2.130 | 5.03000 | -.06000 | -.03000 | 2.50900 | -.09000 | -.03000 | -.22300 | -.21700 | 1427.00000 |
| .902 | -1.080 | 5.03000 | -.06000 | -.03000 | 2.46800 | -.09000 | -.03000 | -.21800 | -.21600 | 1427.00000 |
| .901 | -.010 | 4.93000 | -.06000 | -.03000 | 2.45000 | -.09000 | -.03000 | -.22100 | -.21500 | 1427.00000 |
| .904 | 1.010 | 5.04000 | -.06000 | -.03000 | 2.46800 | -.09000 | -.03000 | -.22000 | -.21700 | 1427.00000 |
| .901 | 2.090 | 5.00000 | -.06000 | -.03000 | 2.47600 | -.09000 | -.03000 | -.23200 | -.23000 | 1427.00000 |
| .902 | 3.120 | 5.00000 | -.06000 | -.03000 | 2.48600 | -.09000 | -.03000 | -.24100 | -.24000 | 1427.00000 |
| .901 | 4.170 | 4.99000 | -.06000 | -.03000 | 2.45100 | -.09000 | -.03000 | -.24400 | -.24600 | 1427.00000 |
| .903 | 6.260 | 4.97000 | -.06000 | -.03000 | 2.39500 | -.09000 | -.03000 | -.26700 | -.26900 | 1427.00000 |
| .902 | 8.360 | 4.98000 | -.06000 | -.03000 | 2.38600 | -.09000 | -.03000 | -.29900 | -.29800 | 1427.00000 |
| | GRADIENT | -.00429 | -.00000 | -.00000 | -.00678 | .00000 | -.00000 | -.00101 | -.00115 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28205) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 411/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -6.310 | 5.04000 | -.06000 | -.03000 | 2.16600 | -.09000 | -.03000 | -.28800 | -.28700 | 1468.00000 |
| .950 | -4.230 | 5.00000 | -.06000 | -.03000 | 2.24500 | -.09000 | -.03000 | -.26700 | -.27200 | 1468.00000 |
| .952 | -3.180 | 5.00000 | -.06000 | -.03000 | 2.22700 | -.09000 | -.03000 | -.26400 | -.25600 | 1468.00000 |
| .949 | -2.130 | 4.99000 | -.06000 | -.03000 | 2.23500 | -.09000 | -.03000 | -.24500 | -.24800 | 1468.00000 |
| .950 | -1.080 | 4.97000 | -.06000 | -.03000 | 2.21900 | -.09000 | -.03000 | -.25000 | -.25000 | 1468.00000 |
| .949 | -.010 | 4.96000 | -.06000 | -.03000 | 2.19300 | -.09000 | -.03000 | -.24500 | -.24600 | 1468.00000 |
| .951 | 1.010 | 4.99000 | -.06000 | -.03000 | 2.19300 | -.09000 | -.03000 | -.24400 | -.24700 | 1468.00000 |
| .952 | 2.080 | 4.98000 | -.06000 | -.03000 | 2.20700 | -.09000 | -.03000 | -.26500 | -.26100 | 1468.00000 |
| .949 | 3.110 | 4.98000 | -.06000 | -.03000 | 2.19700 | -.09000 | -.03000 | -.27100 | -.27700 | 1468.00000 |
| .950 | 4.140 | 4.97000 | -.06000 | -.03000 | 2.12800 | -.09000 | -.03000 | -.28400 | -.27800 | 1468.00000 |
| .950 | 6.250 | 4.96000 | -.06000 | -.03000 | 2.04700 | -.09000 | -.03000 | -.30500 | -.30400 | 1468.00000 |
| .949 | 8.350 | 4.97000 | -.06000 | -.03000 | 2.00300 | -.09000 | -.03000 | -.32700 | -.32300 | 1468.00000 |
| | GRADIENT | -.00287 | -.00000 | -.00000 | -.01017 | -.00000 | -.00000 | -.00195 | -.00174 | -.00000 |

RUN NO. 406/ 0 RN/L = 8.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -6.310 | 5.11000 | -.06000 | -.03000 | 1.69900 | -.09000 | -.03000 | -.43100 | -.42900 | 1566.00000 |
| 1.049 | -4.230 | 5.07000 | -.06000 | -.03000 | 1.70100 | -.09000 | -.03000 | -.39700 | -.39800 | 1566.00000 |
| 1.049 | -3.180 | 5.07000 | -.06000 | -.03000 | 1.70300 | -.09000 | -.03000 | -.38800 | -.38600 | 1566.00000 |
| 1.050 | -2.120 | 5.07000 | -.06000 | -.03000 | 1.68600 | -.09000 | -.03000 | -.37400 | -.37600 | 1566.00000 |
| 1.046 | -1.080 | 5.01000 | -.06000 | -.03000 | 1.68100 | -.09000 | -.03000 | -.36900 | -.36900 | 1566.00000 |
| 1.050 | -.010 | 5.00000 | -.06000 | -.03000 | 1.67400 | -.09000 | -.03000 | -.37000 | -.36400 | 1566.00000 |
| 1.047 | 1.010 | 5.01000 | -.06000 | -.03000 | 1.67500 | -.09000 | -.03000 | -.37300 | -.37400 | 1566.00000 |
| 1.050 | 2.090 | 4.97000 | -.06000 | -.03000 | 1.65600 | -.09000 | -.03000 | -.38300 | -.38200 | 1566.00000 |
| 1.047 | 3.120 | 4.98000 | -.06000 | -.03000 | 1.64500 | -.09000 | -.03000 | -.40200 | -.40300 | 1566.00000 |
| 1.048 | 4.140 | 4.98000 | -.06000 | -.03000 | 1.62800 | -.09000 | -.03000 | -.41800 | -.41700 | 1566.00000 |
| 1.048 | 6.270 | 4.97000 | -.06000 | -.03000 | 1.58900 | -.09000 | -.03000 | -.44500 | -.44700 | 1566.00000 |
| 1.046 | 8.370 | 4.99000 | -.06000 | -.03000 | 1.57200 | -.09000 | -.03000 | -.46800 | -.46900 | 1566.00000 |
| | GRADIENT | -.01321 | -.00000 | -.00000 | -.00846 | -.00000 | -.00000 | -.00234 | -.00227 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B206) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 412/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -6.220 | 14.95000 | -.06000 | -.03000 | 2.52800 | -.09000 | -.03000 | -.36000 | -.34800 | 1468.00000 |
| .952 | -4.150 | 14.95000 | -.06000 | -.03000 | 2.52600 | -.09000 | -.03000 | -.35200 | -.35300 | 1468.00000 |
| .949 | -3.100 | 14.94000 | -.06000 | -.03000 | 2.53300 | -.09000 | -.03000 | -.33400 | -.32400 | 1468.00000 |
| .951 | -2.060 | 14.93000 | -.06000 | -.03000 | 2.52700 | -.09000 | -.03000 | -.31800 | -.31600 | 1468.00000 |
| .950 | -1.020 | 14.92000 | -.06000 | -.03000 | 2.52700 | -.09000 | -.03000 | -.31500 | -.31700 | 1468.00000 |
| .949 | .050 | 14.93000 | -.06000 | -.03000 | 2.52200 | -.09000 | -.03000 | -.30700 | -.31200 | 1468.00000 |
| .950 | 1.070 | 14.92000 | -.06000 | -.03000 | 2.52900 | -.09000 | -.03000 | -.32100 | -.32100 | 1468.00000 |
| .951 | 2.060 | 14.94000 | -.06000 | -.03000 | 2.52300 | -.09000 | -.03000 | -.33800 | -.33500 | 1468.00000 |
| .951 | 3.120 | 14.95000 | -.06000 | -.03000 | 2.52300 | -.09000 | -.03000 | -.35000 | -.35400 | 1468.00000 |
| .953 | 4.180 | 14.96000 | -.06000 | -.03000 | 2.53100 | -.09000 | -.03000 | -.36200 | -.36100 | 1468.00000 |
| .948 | 6.300 | 14.95000 | -.06000 | -.03000 | 2.53900 | -.09000 | -.03000 | -.34400 | -.35100 | 1468.00000 |
| .952 | 8.430 | 14.97000 | -.06000 | -.03000 | 2.56100 | -.09000 | -.03000 | -.36900 | -.36500 | 1468.00000 |
| | GRADIENT | .00143 | -.00000 | -.00000 | -.00026 | -.00000 | -.00000 | -.00213 | -.00261 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B207) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = 6.000
RN/L = 8.000

RUN NO. 413/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.220 | 14.92000 | -.06000 | -.03000 | 2.54700 | -.09000 | -.03000 | -.36100 | -.36700 | 1471.00000 |
| .953 | -4.240 | 14.93000 | -.06000 | -.03000 | 2.52700 | -.09000 | -.03000 | -.34600 | -.34400 | 1471.00000 |
| .950 | -3.180 | 14.91000 | -.06000 | -.03000 | 2.52600 | -.09000 | -.03000 | -.33300 | -.33600 | 1471.00000 |
| .950 | -2.130 | 14.91000 | -.06000 | -.03000 | 2.52200 | -.09000 | -.03000 | -.32000 | -.32600 | 1471.00000 |
| .952 | -1.090 | 14.93000 | -.06000 | -.03000 | 2.52100 | -.09000 | -.03000 | -.32200 | -.32100 | 1471.00000 |
| .952 | -.030 | 14.97000 | -.06000 | -.03000 | 2.50800 | -.09000 | -.03000 | -.31500 | -.31200 | 1471.00000 |
| .951 | 1.010 | 14.97000 | -.06000 | -.03000 | 2.51800 | -.09000 | -.03000 | -.32300 | -.31900 | 1471.00000 |
| .951 | 2.100 | 15.00000 | -.06000 | -.03000 | 2.51100 | -.09000 | -.03000 | -.33200 | -.33200 | 1471.00000 |
| .951 | 3.160 | 14.98000 | -.06000 | -.03000 | 2.53400 | -.09000 | -.03000 | -.35500 | -.36200 | 1471.00000 |
| .953 | 4.230 | 14.99000 | -.06000 | -.03000 | 2.52500 | -.09000 | -.03000 | -.35900 | -.35900 | 1471.00000 |
| .952 | 6.350 | 14.98000 | -.06000 | -.03000 | 2.53500 | -.09000 | -.03000 | -.35900 | -.35500 | 1471.00000 |
| .953 | 8.380 | 14.98000 | -.06000 | -.03000 | 2.55700 | -.09000 | -.03000 | -.37200 | -.36200 | 1471.00000 |
| | GRADIENT | .01055 | .00000 | .00000 | -.00013 | .00000 | .00000 | -.00227 | -.00236 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B208) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 7.000

RUN NO. 434/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -2.110 | -.04000 | -.06000 | -.03000 | -2.31800 | -.09000 | -.03000 | -.20100 | -.19900 | 874.00000 |
| .598 | -.070 | -.03000 | -.06000 | -.03000 | -1.06300 | -.09000 | -.03000 | -.20100 | -.19500 | 874.00000 |
| .596 | 1.950 | -.03000 | -.06000 | -.03000 | .38900 | -.09000 | -.03000 | -.19600 | -.19500 | 874.00000 |
| .597 | 3.870 | -.03000 | -.06000 | -.03000 | 1.79200 | -.09000 | -.03000 | -.19000 | -.19000 | 874.00000 |
| .596 | 5.850 | -.04000 | -.06000 | -.03000 | 3.06500 | -.09000 | -.03000 | -.18800 | -.18600 | 874.00000 |
| .597 | 7.870 | -.03000 | -.06000 | -.03000 | 4.02300 | -.09000 | -.03000 | -.18600 | -.18700 | 874.00000 |
| .597 | 9.890 | -.02000 | -.06000 | -.03000 | 4.50100 | -.09000 | -.03000 | -.18700 | -.18300 | 874.00000 |
| .597 | 10.910 | -.02000 | -.06000 | -.03000 | 4.55300 | -.09000 | -.03000 | -.18600 | -.18300 | 874.00000 |
| .597 | 11.940 | -.02000 | -.06000 | -.03000 | 4.49700 | -.09000 | -.03000 | -.18600 | -.18600 | 874.00000 |
| .597 | 13.960 | -.02000 | -.06000 | -.03000 | 3.95300 | -.09000 | -.03000 | -.19500 | -.19800 | 874.00000 |
| .597 | 15.900 | -.02000 | -.06000 | -.03000 | 3.39600 | -.09000 | -.03000 | -.22100 | -.21900 | 874.00000 |
| .598 | 17.830 | -.01000 | -.06000 | -.03000 | 2.96700 | -.09000 | -.03000 | -.25400 | -.25200 | 874.00000 |
| | GRADIENT | .00152 | -.00000 | -.00000 | .69017 | -.00000 | -.00000 | .00190 | .00135 | .00000 |

RUN NO. 420/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -2.030 | -.05000 | -.06000 | -.03000 | -.93900 | -.09000 | -.03000 | -.36500 | -.36400 | 1421.00000 |
| 1.199 | .000 | -.04000 | -.06000 | -.03000 | -.15900 | -.09000 | -.03000 | -.35500 | -.35700 | 1421.00000 |
| 1.199 | 1.950 | -.03000 | -.06000 | -.03000 | .57500 | -.09000 | -.03000 | -.35100 | -.35000 | 1421.00000 |
| 1.198 | 3.900 | -.03000 | -.06000 | -.03000 | 1.20700 | -.09000 | -.03000 | -.34900 | -.34700 | 1421.00000 |
| 1.201 | 5.920 | -.04000 | -.06000 | -.03000 | 1.71100 | -.09000 | -.03000 | -.35200 | -.34900 | 1421.00000 |
| 1.198 | 7.910 | -.05000 | -.06000 | -.03000 | 2.04000 | -.09000 | -.03000 | -.35100 | -.35200 | 1421.00000 |
| 1.198 | 9.950 | -.02000 | -.06000 | -.03000 | 2.22800 | -.09000 | -.03000 | -.35000 | -.35100 | 1421.00000 |
| 1.200 | 11.910 | -.03000 | -.06000 | -.03000 | 2.28800 | -.09000 | -.03000 | -.36300 | -.36100 | 1421.00000 |
| 1.200 | 13.930 | -.02000 | -.06000 | -.03000 | 2.24500 | -.09000 | -.03000 | -.39300 | -.39300 | 1421.00000 |
| 1.198 | 15.950 | -.02000 | -.06000 | -.03000 | 2.15000 | -.09000 | -.03000 | -.42600 | -.42800 | 1421.00000 |
| 1.199 | 17.890 | -.01000 | -.06000 | -.03000 | 2.06000 | -.09000 | .03000 | -.44400 | -.44400 | 1421.00000 |
| | GRADIENT | .00355 | -.00000 | -.00000 | .36343 | -.00000 | -.00000 | .00264 | .00294 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B209) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 7.000

RUN NO. 435/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -2.070 | 4.10000 | -.06000 | -.03000 | -2.35500 | -.09000 | -.03000 | -.22400 | -.22900 | 876.20000 |
| .597 | -.050 | 4.12000 | -.06000 | -.03000 | -1.08500 | -.09000 | -.03000 | -.22700 | -.22000 | 876.20000 |
| .597 | 1.920 | 4.11000 | -.06000 | -.03000 | .35200 | -.09000 | -.03000 | -.22200 | -.22300 | 876.20000 |
| .598 | 3.830 | 4.13000 | -.06000 | -.03000 | 1.72000 | -.09000 | -.03000 | -.22000 | -.21800 | 876.20000 |
| .598 | 5.830 | 4.14000 | -.06000 | -.03000 | 3.03200 | -.09000 | -.03000 | -.22700 | -.22000 | 876.20000 |
| .597 | 7.950 | 4.17000 | -.06000 | -.03000 | 4.00800 | -.09000 | -.03000 | -.22600 | -.22500 | 876.20000 |
| .598 | 10.000 | 4.19000 | -.06000 | -.03000 | 4.47500 | -.09000 | -.03000 | -.22600 | -.22700 | 876.20000 |
| .598 | 10.950 | 4.21000 | -.06000 | -.03000 | 4.51100 | -.09000 | -.03000 | -.22800 | -.23100 | 876.20000 |
| .598 | 11.940 | 4.22000 | -.06000 | -.03000 | 4.48300 | -.09000 | -.03000 | -.23100 | -.23000 | 876.20000 |
| .598 | 13.960 | 4.22000 | -.06000 | -.03000 | 3.95400 | -.09000 | -.03000 | -.23900 | -.23900 | 876.20000 |
| .597 | 15.900 | 4.23000 | -.06000 | -.03000 | 3.40800 | -.09000 | -.03000 | -.24900 | -.24800 | 876.20000 |
| .598 | 17.970 | 4.23000 | -.06000 | -.03000 | 2.99700 | -.09000 | -.03000 | -.26900 | -.26900 | 876.20000 |
| | GRADIENT | .00406 | -.00000 | -.00000 | .69432 | .00000 | -.00000 | .00086 | .00153 | .00000 |

RUN NO. 421/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.201 | -2.070 | 4.16000 | -.06000 | -.03000 | -.95500 | -.09000 | -.03000 | -.39800 | -.39800 | 1422.00000 |
| 1.198 | -.070 | 4.16000 | -.06000 | -.03000 | -.22900 | -.09000 | -.03000 | -.37600 | -.37900 | 1422.00000 |
| 1.199 | 1.970 | 4.19000 | -.06000 | -.03000 | .53100 | -.09000 | -.03000 | -.36600 | -.36500 | 1422.00000 |
| 1.198 | 3.910 | 4.19000 | -.06000 | -.03000 | 1.17300 | -.09000 | -.03000 | -.36800 | -.36700 | 1422.00000 |
| 1.198 | 5.940 | 4.20000 | -.06000 | -.03000 | 1.68100 | -.09000 | -.03000 | -.37500 | -.37300 | 1422.00000 |
| 1.198 | 7.870 | 4.22000 | -.06000 | -.03000 | 1.99700 | -.09000 | -.03000 | -.39300 | -.39100 | 1422.00000 |
| 1.198 | 9.910 | 4.25000 | -.06000 | -.03000 | 2.19200 | -.09000 | -.03000 | -.39800 | -.39700 | 1422.00000 |
| 1.197 | 12.000 | 4.29000 | -.06000 | -.03000 | 2.25300 | -.09000 | -.03000 | -.41100 | -.41200 | 1422.00000 |
| 1.199 | 13.940 | 4.31000 | -.06000 | -.03000 | 2.23300 | -.09000 | -.03000 | -.41300 | -.41400 | 1422.00000 |
| 1.198 | 15.960 | 4.33000 | -.06000 | -.03000 | 2.15400 | -.09000 | -.03000 | -.43600 | -.43200 | 1422.00000 |
| 1.199 | 17.920 | 4.34000 | -.06000 | -.03000 | 2.06100 | -.09000 | -.03000 | -.45400 | -.45100 | 1422.00000 |
| | GRADIENT | .00603 | .00000 | .00000 | .35764 | .00000 | .00000 | .00502 | .00537 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B210) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 7.000

RUN NO. 436/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .598 | -6.070 | 9.96000 | -.06000 | -.03000 | 4.57200 | -.09000 | -.03000 | -.23900 | -.23700 | 876.30000 |
| .598 | -4.060 | 9.94000 | -.06000 | -.03000 | 4.57000 | -.09000 | -.03000 | -.21900 | -.21500 | 876.30000 |
| .597 | -3.040 | 9.93000 | -.06000 | -.03000 | 4.54400 | -.09000 | -.03000 | -.20300 | -.19800 | 876.30000 |
| .598 | -2.000 | 9.88000 | -.06000 | -.03000 | 4.55200 | -.09000 | -.03000 | -.19400 | -.19100 | 876.30000 |
| .597 | -.990 | 9.88000 | -.06000 | -.03000 | 4.52800 | -.09000 | -.03000 | -.18500 | -.18300 | 876.30000 |
| .598 | -.020 | 9.86000 | -.06000 | -.03000 | 4.51100 | -.09000 | -.03000 | -.18600 | -.19100 | 876.30000 |
| .597 | .950 | 9.88000 | -.06000 | -.03000 | 4.47500 | -.09000 | -.03000 | -.19100 | -.18900 | 876.30000 |
| .598 | 2.030 | 9.95000 | -.06000 | -.03000 | 4.44700 | -.09000 | -.03000 | -.20200 | -.20700 | 876.30000 |
| .597 | 3.050 | 9.95000 | -.06000 | -.03000 | 4.43000 | -.09000 | -.03000 | -.21700 | -.21800 | 876.30000 |
| .597 | 4.100 | 9.95000 | -.06000 | -.03000 | 4.44500 | -.09000 | -.03000 | -.22700 | -.22900 | 876.30000 |
| .597 | 6.130 | 9.93000 | -.06000 | -.03000 | 4.41100 | -.09000 | -.03000 | -.25000 | -.24800 | 876.30000 |
| .598 | 8.200 | 9.96000 | -.06000 | -.03000 | 4.48800 | -.09000 | -.03000 | -.26200 | -.26000 | 876.30000 |
| | GRADIENT | .00399 | .00000 | .00000 | -.01811 | .00000 | .00000 | -.00160 | -.00255 | -.00000 |

RUN NO. 422/ 0 RN/L = 6.88 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -6.320 | 9.96000 | -.06000 | -.03000 | 2.20000 | -.09000 | -.03000 | -.39900 | -.39800 | 1420.00000 |
| 1.199 | -4.250 | 9.95000 | -.06000 | -.03000 | 2.21500 | -.09000 | -.03000 | -.39400 | -.39200 | 1420.00000 |
| 1.198 | -3.210 | 9.94000 | -.06000 | -.03000 | 2.21900 | -.09000 | -.03000 | -.38200 | -.38300 | 1420.00000 |
| 1.198 | -2.180 | 9.95000 | -.06000 | -.03000 | 2.22600 | -.09000 | -.03000 | -.36600 | -.36800 | 1420.00000 |
| 1.198 | -1.130 | 9.98000 | -.06000 | -.03000 | 2.23100 | -.09000 | -.03000 | -.35800 | -.35700 | 1420.00000 |
| 1.199 | .000 | 10.06000 | -.06000 | -.03000 | 2.23300 | -.09000 | -.03000 | -.35200 | -.35200 | 1420.00000 |
| 1.197 | 1.110 | 9.95000 | -.06000 | -.03000 | 2.22900 | -.09000 | -.03000 | -.35700 | -.35700 | 1420.00000 |
| 1.198 | 2.170 | 9.91000 | -.06000 | -.03000 | 2.22500 | -.09000 | -.03000 | -.36400 | -.36400 | 1420.00000 |
| 1.198 | 3.210 | 9.88000 | -.06000 | -.03000 | 2.21300 | -.09000 | -.03000 | -.37500 | -.37700 | 1420.00000 |
| 1.197 | 4.240 | 9.85000 | -.06000 | -.03000 | 2.19300 | -.09000 | -.03000 | -.40000 | -.39900 | 1420.00000 |
| 1.197 | 6.330 | 9.84000 | -.06000 | -.03000 | 2.17000 | -.09000 | -.03000 | -.40600 | -.40600 | 1420.00000 |
| 1.199 | 8.410 | 9.84000 | -.06000 | -.03000 | 2.16300 | -.09000 | -.03000 | -.41400 | -.41600 | 1420.00000 |
| | GRADIENT | -.01075 | -.00000 | -.00000 | -.00171 | -.00000 | -.00000 | .00003 | -.00003 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B211) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 431/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -2.030 | -.04000 | -.06000 | -.03000 | -2.01000 | -.09000 | -.03000 | -.22400 | -.21800 | 1406.00000 |
| .897 | -.080 | -.03000 | -.06000 | -.03000 | -.77800 | -.09000 | -.03000 | -.21800 | -.22000 | 1406.00000 |
| .897 | 1.940 | -.03000 | -.06000 | -.03000 | .58600 | -.09000 | -.03000 | -.21400 | -.21500 | 1406.00000 |
| .897 | 3.840 | -.03000 | -.06000 | -.03000 | 1.69500 | -.09000 | -.03000 | -.20200 | -.20300 | 1406.00000 |
| .897 | 5.840 | -.03000 | -.06000 | -.03000 | 2.44600 | -.09000 | -.03000 | -.20400 | -.19800 | 1406.00000 |
| .898 | 7.830 | -.04000 | -.06000 | -.03000 | 2.79900 | -.09000 | -.03000 | -.19900 | -.19700 | 1406.00000 |
| .897 | 9.830 | -.02000 | -.06000 | -.03000 | 2.92300 | -.09000 | -.03000 | -.20700 | -.21300 | 1406.00000 |
| .898 | 11.930 | -.02000 | -.06000 | -.03000 | 2.83900 | -.09000 | -.03000 | -.22200 | -.22600 | 1406.00000 |
| .896 | 13.930 | -.01000 | -.06000 | -.03000 | 2.67000 | -.09000 | -.03000 | -.24500 | -.24500 | 1406.00000 |
| .897 | 15.900 | .00000 | -.06000 | -.03000 | 2.50300 | -.09000 | -.03000 | -.27300 | -.27700 | 1406.00000 |
| .897 | 17.910 | .00000 | -.06000 | -.03000 | 2.34100 | -.09000 | -.03000 | -.30200 | -.31000 | 1406.00000 |
| | GRADIENT | .00153 | -.00000 | -.00000 | .63590 | .00000 | -.00000 | .00356 | .00254 | .00000 |

RUN NO. 426/ 0 RN/L = 7.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.040 | -.04000 | -.06000 | -.03000 | -1.66900 | -.09000 | -.03000 | -.26000 | -.26100 | 1458.00000 |
| .948 | -.070 | -.03000 | -.06000 | -.03000 | -.63500 | -.09000 | -.03000 | -.25000 | -.25000 | 1458.00000 |
| .948 | 1.970 | -.03000 | -.06000 | -.03000 | .54200 | -.09000 | -.03000 | -.24800 | -.24900 | 1458.00000 |
| .945 | 3.900 | -.03000 | -.06000 | -.03000 | 1.54700 | -.09000 | -.03000 | -.24900 | -.25300 | 1458.00000 |
| .948 | 5.920 | -.04000 | -.06000 | -.03000 | 2.26300 | -.09000 | -.03000 | -.24500 | -.24200 | 1458.00000 |
| .948 | 7.940 | -.05000 | -.06000 | -.03000 | 2.63500 | -.09000 | -.03000 | -.24800 | -.23800 | 1458.00000 |
| .948 | 9.900 | -.04000 | -.06000 | -.03000 | 2.75000 | -.09000 | -.03000 | -.24100 | -.24800 | 1458.00000 |
| .946 | 11.860 | -.05000 | -.06000 | -.03000 | 2.71600 | -.09000 | -.03000 | -.26500 | -.26600 | 1458.00000 |
| .947 | 13.820 | -.05000 | -.06000 | -.03000 | 2.57100 | -.09000 | -.03000 | -.29600 | -.29500 | 1458.00000 |
| .946 | 15.850 | -.06000 | -.06000 | -.03000 | 2.43200 | -.09000 | -.03000 | -.30500 | -.32300 | 1458.00000 |
| .950 | 17.920 | .00000 | -.06000 | -.03000 | 2.27300 | -.09000 | -.03000 | -.34600 | -.34200 | 1458.00000 |
| | GRADIENT | .00151 | -.00000 | -.00000 | .54517 | -.00000 | -.00000 | .00177 | .00126 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28211) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 423/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -2.110 | -.03000 | -.06000 | -.03000 | -1.26100 | -.09000 | -.03000 | -.37800 | -.38100 | 1550.00000 |
| 1.047 | -.040 | -.04000 | -.06000 | -.03000 | -.40600 | -.09000 | -.03000 | -.36700 | -.36200 | 1550.00000 |
| 1.045 | 1.920 | -.04000 | -.06000 | -.03000 | .46900 | -.09000 | -.03000 | -.34800 | -.34800 | 1550.00000 |
| 1.046 | 3.880 | -.03000 | -.06000 | -.03000 | 1.23000 | -.09000 | -.03000 | -.34700 | -.34600 | 1550.00000 |
| 1.046 | 5.860 | -.03000 | -.06000 | -.03000 | 1.78000 | -.09000 | -.03000 | -.34900 | -.34800 | 1550.00000 |
| 1.048 | 7.950 | -.04000 | -.06000 | -.03000 | 2.12300 | -.09000 | -.03000 | -.35600 | -.35800 | 1550.00000 |
| 1.044 | 9.950 | -.03000 | -.06000 | -.03000 | 2.28500 | -.09000 | -.03000 | -.37200 | -.37100 | 1550.00000 |
| 1.046 | 11.960 | -.03000 | -.06000 | -.03000 | 2.32300 | -.09000 | -.03000 | -.38700 | -.38700 | 1550.00000 |
| 1.050 | 13.940 | -.01000 | -.06000 | -.03000 | 2.27400 | -.09000 | -.03000 | -.40600 | -.40600 | 1550.00000 |
| 1.045 | 15.860 | -.02000 | -.06000 | -.03000 | 2.17200 | -.09000 | -.03000 | -.44600 | -.44800 | 1550.00000 |
| 1.047 | 17.880 | .00000 | -.06000 | -.03000 | 2.11100 | -.09000 | -.03000 | -.47100 | -.47200 | 1550.00000 |
| | GRADIENT | -.00003 | -.00000 | -.00000 | .41888 | .00000 | -.00000 | .00563 | .00599 | .00000 |

ARC 200-1 11(LA77) OV101 (A28212) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 432/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -2.040 | 4.17000 | -.06000 | -.03000 | -2.04500 | -.09000 | -.03000 | -.24800 | -.24600 | 1409.00000 |
| .897 | -.070 | 4.20000 | -.06000 | -.03000 | -.81100 | -.09000 | -.03000 | -.23900 | -.24200 | 1409.00000 |
| .897 | 1.950 | 4.19000 | -.06000 | -.03000 | .57200 | -.09000 | -.03000 | -.24500 | -.23700 | 1409.00000 |
| .895 | 3.840 | 4.20000 | -.06000 | -.03000 | 1.70800 | -.09000 | -.03000 | -.23200 | -.23400 | 1409.00000 |
| .896 | 5.840 | 4.22000 | -.06000 | -.03000 | 2.46800 | -.09000 | -.03000 | -.22400 | -.22800 | 1409.00000 |
| .897 | 7.850 | 4.25000 | -.06000 | -.03000 | 2.82200 | -.09000 | -.03000 | -.23900 | -.23700 | 1409.00000 |
| .895 | 9.860 | 4.26000 | -.06000 | -.03000 | 2.93400 | -.09000 | -.03000 | -.24100 | -.24300 | 1409.00000 |
| .897 | 11.980 | 4.31000 | -.06000 | -.03000 | 2.82100 | -.09000 | -.03000 | -.26400 | -.26200 | 1409.00000 |
| .896 | 14.000 | 4.34000 | -.06000 | -.03000 | 2.68100 | -.09000 | -.03000 | -.28800 | -.29000 | 1409.00000 |
| .896 | 16.020 | 4.36000 | -.06000 | -.03000 | 2.51600 | -.09000 | -.03000 | -.29600 | -.29400 | 1409.00000 |
| .897 | 18.020 | 4.39000 | -.06000 | -.03000 | 2.36500 | -.09000 | -.03000 | -.31500 | -.31000 | 1409.00000 |
| | GRADIENT | .00406 | -.00000 | -.00000 | .64321 | -.00000 | -.00000 | .00212 | .00209 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B212) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 427/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.050 | 4.17000 | -.06000 | -.03000 | -1.73000 | -.09000 | -.03000 | -.28600 | -.28600 | 1457.00000 |
| .947 | -.050 | 4.19000 | -.06000 | -.03000 | -.68800 | -.09000 | -.03000 | -.27800 | -.27700 | 1457.00000 |
| .948 | 1.980 | 4.18000 | -.06000 | -.03000 | .47600 | -.09000 | -.03000 | -.27300 | -.27500 | 1457.00000 |
| .945 | 3.880 | 4.19000 | -.06000 | -.03000 | 1.46700 | -.09000 | -.03000 | -.26200 | -.26600 | 1457.00000 |
| .948 | 5.920 | 4.20000 | -.06000 | -.03000 | 2.19900 | -.09000 | -.03000 | -.26700 | -.27500 | 1457.00000 |
| .948 | 7.950 | 4.22000 | -.06000 | -.03000 | 2.62600 | -.09000 | -.03000 | -.28000 | -.28200 | 1457.00000 |
| .948 | 9.900 | 4.24000 | -.06000 | -.03000 | 2.75100 | -.09000 | -.03000 | -.28400 | -.27500 | 1457.00000 |
| .947 | 11.880 | 4.27000 | -.06000 | -.03000 | 2.71700 | -.09000 | -.03000 | -.32600 | -.32000 | 1457.00000 |
| .946 | 13.930 | 4.29000 | -.06000 | -.03000 | 2.58600 | -.09000 | -.03000 | -.33100 | -.34400 | 1457.00000 |
| .946 | 16.000 | 4.30000 | -.06000 | -.03000 | 2.43000 | -.09000 | -.03000 | -.35800 | -.35400 | 1457.00000 |
| .947 | 17.990 | 4.29000 | -.06000 | -.03000 | 2.28900 | -.09000 | -.03000 | -.37900 | -.37400 | 1457.00000 |
| | GRADIENT | .00251 | -.00000 | -.00000 | .54271 | .00000 | -.00000 | .00388 | .00312 | .00000 |

RUN NO. 424/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.040 | 4.18000 | -.06000 | -.03000 | -1.22000 | -.09000 | -.03000 | -.40700 | -.40600 | 1548.00000 |
| 1.048 | -.030 | 4.20000 | -.06000 | -.03000 | -.42000 | -.09000 | -.03000 | -.39500 | -.39600 | 1548.00000 |
| 1.046 | 1.880 | 4.18000 | -.06000 | -.03000 | .41100 | -.09000 | -.03000 | -.40300 | -.40100 | 1548.00000 |
| 1.046 | 3.870 | 4.17000 | -.06000 | -.03000 | 1.16200 | -.09000 | -.03000 | -.40700 | -.40600 | 1548.00000 |
| 1.047 | 5.850 | 4.18000 | -.06000 | -.03000 | 1.72000 | -.09000 | -.03000 | -.41700 | -.41700 | 1548.00000 |
| 1.046 | 7.930 | 4.22000 | -.06000 | -.03000 | 2.04500 | -.09000 | -.03000 | -.43500 | -.43500 | 1548.00000 |
| 1.046 | 9.880 | 4.25000 | -.06000 | -.03000 | 2.22300 | -.09000 | -.03000 | -.43700 | -.43700 | 1548.00000 |
| 1.047 | 11.970 | 4.31000 | -.06000 | -.03000 | 2.28400 | -.09000 | -.03000 | -.43400 | -.43700 | 1548.00000 |
| 1.046 | 14.020 | 4.33000 | -.06000 | -.03000 | 2.25300 | -.09000 | -.03000 | -.45100 | -.45100 | 1548.00000 |
| 1.046 | 15.990 | 4.34000 | -.06000 | -.03000 | 2.18900 | -.09000 | -.03000 | -.46900 | -.46700 | 1548.00000 |
| 1.045 | 17.970 | 4.35000 | -.06000 | -.03000 | 2.09400 | -.09000 | -.03000 | -.48600 | -.48700 | 1548.00000 |
| | GRADIENT | -.00251 | -.00000 | -.00000 | .40609 | .00000 | -.00000 | -.00039 | -.00024 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28213) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 433/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -6.320 | 4.90000 | -.06000 | -.03000 | 2.25900 | -.09000 | -.03000 | -.25300 | -.26000 | 1406.00000 |
| .897 | -4.230 | 4.89000 | -.06000 | -.03000 | 2.25100 | -.09000 | -.03000 | -.22200 | -.22600 | 1406.00000 |
| .896 | -3.180 | 4.89000 | -.06000 | -.03000 | 2.23400 | -.09000 | -.03000 | -.21400 | -.21000 | 1406.00000 |
| .896 | -2.120 | 4.92000 | -.06000 | -.03000 | 2.22400 | -.09000 | -.03000 | -.20500 | -.20200 | 1406.00000 |
| .897 | -1.080 | 4.89000 | -.06000 | -.03000 | 2.16700 | -.09000 | -.03000 | -.20000 | -.20200 | 1406.00000 |
| .896 | -.010 | 4.88000 | -.06000 | -.03000 | 2.14200 | -.09000 | -.03000 | -.19900 | -.20200 | 1406.00000 |
| .898 | 1.000 | 4.89000 | -.06000 | -.03000 | 2.14600 | -.09000 | -.03000 | -.20700 | -.20800 | 1406.00000 |
| .896 | 2.040 | 4.89000 | -.06000 | -.03000 | 2.15300 | -.09000 | -.03000 | -.21500 | -.21800 | 1406.00000 |
| .898 | 3.070 | 4.86000 | -.06000 | -.03000 | 2.15800 | -.09000 | -.03000 | -.22700 | -.22700 | 1406.00000 |
| .896 | 4.130 | 4.84000 | -.06000 | -.03000 | 2.14200 | -.09000 | -.03000 | -.22800 | -.23300 | 1406.00000 |
| .896 | 6.210 | 4.81000 | -.06000 | -.03000 | 2.08500 | -.09000 | -.03000 | -.25200 | -.25000 | 1406.00000 |
| .897 | 8.290 | 4.80000 | -.06000 | -.03000 | 2.06500 | -.09000 | -.03000 | -.29100 | -.28300 | 1406.00000 |
| | GRADIENT | -.00558 | .00000 | .00000 | -.01324 | .00000 | .00000 | -.00142 | -.00185 | -.00000 |

RUN NO. 428/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.310 | 4.93000 | -.06000 | -.03000 | 1.87400 | -.09000 | -.03000 | -.29700 | -.29800 | 1459.00000 |
| .947 | -4.230 | 4.89000 | -.06000 | -.03000 | 1.95800 | -.09000 | -.03000 | -.27400 | -.27100 | 1459.00000 |
| .947 | -3.180 | 4.91000 | -.06000 | -.03000 | 1.96900 | -.09000 | -.03000 | -.26600 | -.26400 | 1459.00000 |
| .947 | -2.130 | 4.91000 | -.06000 | -.03000 | 1.94400 | -.09000 | -.03000 | -.25300 | -.25200 | 1459.00000 |
| .947 | -1.080 | 4.91000 | -.06000 | -.03000 | 1.92600 | -.09000 | -.03000 | -.24900 | -.24400 | 1459.00000 |
| .947 | -.010 | 4.88000 | -.06000 | -.03000 | 1.91600 | -.09000 | -.03000 | -.24500 | -.24700 | 1459.00000 |
| .948 | .990 | 4.90000 | -.06000 | -.03000 | 1.92500 | -.09000 | -.03000 | -.25800 | -.25400 | 1459.00000 |
| .947 | 2.020 | 4.92000 | -.06000 | -.03000 | 1.92600 | -.09000 | -.03000 | -.25300 | -.24900 | 1459.00000 |
| .947 | 3.070 | 4.88000 | -.06000 | -.03000 | 1.91700 | -.09000 | -.03000 | -.25700 | -.26800 | 1459.00000 |
| .948 | 4.110 | 4.86000 | -.06000 | -.03000 | 1.84900 | -.09000 | -.03000 | -.26700 | -.25700 | 1459.00000 |
| .946 | 6.200 | 4.83000 | -.06000 | -.03000 | 1.77100 | -.09000 | -.03000 | -.30000 | -.29400 | 1459.00000 |
| .948 | 8.280 | 4.83000 | -.06000 | -.03000 | 1.70500 | -.09000 | -.03000 | -.33100 | -.33200 | 1459.00000 |
| | GRADIENT | -.00321 | -.00000 | -.00000 | -.01008 | -.00000 | -.00000 | .00075 | .00065 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28213) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 425/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -6.350 | 4.92000 | -.06000 | -.03000 | 1.51400 | -.09000 | -.03000 | -.42800 | -.42800 | 1547.00000 |
| 1.046 | -4.240 | 4.93000 | -.06000 | -.03000 | 1.53500 | -.09000 | -.03000 | -.39300 | -.39300 | 1547.00000 |
| 1.047 | -3.180 | 4.93000 | -.06000 | -.03000 | 1.53600 | -.09000 | -.03000 | -.37400 | -.37700 | 1547.00000 |
| 1.047 | -2.130 | 4.97000 | -.06000 | -.03000 | 1.53800 | -.09000 | -.03000 | -.35900 | -.35900 | 1547.00000 |
| 1.046 | -1.090 | 4.93000 | -.06000 | -.03000 | 1.53500 | -.09000 | -.03000 | -.35300 | -.35100 | 1547.00000 |
| 1.047 | -.010 | 4.91000 | -.06000 | -.03000 | 1.53100 | -.09000 | -.03000 | -.34500 | -.34700 | 1547.00000 |
| 1.048 | .990 | 4.95000 | -.06000 | -.03000 | 1.52900 | -.09000 | -.03000 | -.35300 | -.35400 | 1547.00000 |
| 1.046 | 2.080 | 4.91000 | -.06000 | -.03000 | 1.52300 | -.09000 | -.03000 | -.36500 | -.36600 | 1547.00000 |
| 1.046 | 3.100 | 4.90000 | -.06000 | -.03000 | 1.50900 | -.09000 | -.03000 | -.38600 | -.38700 | 1547.00000 |
| 1.046 | 4.160 | 4.89000 | -.06000 | -.03000 | 1.47700 | -.09000 | -.03000 | -.41100 | -.40800 | 1547.00000 |
| 1.046 | 6.210 | 4.89000 | -.06000 | -.03000 | 1.44000 | -.09000 | -.03000 | -.43900 | -.43900 | 1547.00000 |
| 1.046 | 8.350 | 4.92000 | -.06000 | -.03000 | 1.43100 | -.09000 | -.03000 | -.45500 | -.45400 | 1547.00000 |
| | GRADIENT | -.00557 | -.00000 | -.00000 | -.00554 | -.00000 | -.00000 | -.00190 | -.00169 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28214) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 429/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.230 | 14.91000 | -.06000 | -.03000 | 2.50900 | -.09000 | -.03000 | -.34100 | -.33800 | 1460.00000 |
| .948 | -4.160 | 14.91000 | -.06000 | -.03000 | 2.51100 | -.09000 | -.03000 | -.32700 | -.33300 | 1460.00000 |
| .948 | -3.110 | 14.89000 | -.06000 | -.03000 | 2.51300 | -.09000 | -.03000 | -.31200 | -.31800 | 1460.00000 |
| .946 | -2.070 | 14.89000 | -.06000 | -.03000 | 2.50800 | -.09000 | -.03000 | -.30500 | -.29700 | 1460.00000 |
| .948 | -1.030 | 14.86000 | -.06000 | -.03000 | 2.50000 | -.09000 | -.03000 | -.30000 | -.29400 | 1460.00000 |
| .946 | .020 | 14.85000 | -.06000 | -.03000 | 2.49700 | -.09000 | -.03000 | -.28800 | -.29500 | 1460.00000 |
| .948 | 1.070 | 14.88000 | -.06000 | -.03000 | 2.49200 | -.09000 | -.03000 | -.30400 | -.30800 | 1460.00000 |
| .947 | 2.070 | 14.81000 | -.06000 | -.03000 | 2.50300 | -.09000 | -.03000 | -.33300 | -.32800 | 1460.00000 |
| .948 | 3.080 | 14.87000 | -.06000 | -.03000 | 2.50100 | -.09000 | -.03000 | -.32600 | -.34300 | 1460.00000 |
| .948 | 4.180 | 14.90000 | -.06000 | -.03000 | 2.50600 | -.09000 | -.03000 | -.33900 | -.34400 | 1460.00000 |
| .948 | 6.260 | 14.89000 | -.06000 | -.03000 | 2.51000 | -.09000 | -.03000 | -.36200 | -.35400 | 1460.00000 |
| .947 | 8.370 | 14.92000 | -.06000 | -.03000 | 2.52200 | -.09000 | -.03000 | -.35100 | -.35700 | 1460.00000 |
| | GRADIENT | -.00384 | -.00000 | -.00000 | -.00119 | -.00000 | -.00000 | -.00239 | -.00311 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B215) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = -6.000
RN/L = 8.000

RUN NO. 430/ 0 RN/L = 7.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -6.230 | 14.89000 | -.06000 | -.03000 | 2.52500 | -.09000 | -.03000 | -.34600 | -.34900 | 1456.00000 |
| .948 | -4.230 | 14.88000 | -.06000 | -.03000 | 2.52000 | -.09000 | -.03000 | -.31500 | -.31400 | 1456.00000 |
| .947 | -3.180 | 14.89000 | -.06000 | -.03000 | 2.51800 | -.09000 | -.03000 | -.30600 | -.30500 | 1456.00000 |
| .947 | -2.130 | 14.88000 | -.06000 | -.03000 | 2.51000 | -.09000 | -.03000 | -.29700 | -.30100 | 1456.00000 |
| .948 | -1.090 | 14.91000 | -.06000 | -.03000 | 2.49400 | -.09000 | -.03000 | -.30100 | -.29900 | 1456.00000 |
| .946 | -.010 | 14.94000 | -.06000 | -.03000 | 2.49000 | -.09000 | -.03000 | -.29800 | -.29800 | 1456.00000 |
| .949 | 1.040 | 14.96000 | -.06000 | -.03000 | 2.48800 | -.09000 | -.03000 | -.30800 | -.31100 | 1456.00000 |
| .949 | 2.140 | 14.97000 | -.06000 | -.03000 | 2.48500 | -.09000 | -.03000 | -.33100 | -.32300 | 1456.00000 |
| .948 | 3.200 | 14.94000 | -.06000 | -.03000 | 2.49700 | -.09000 | -.03000 | -.34300 | -.34100 | 1456.00000 |
| .947 | 4.260 | 14.95000 | -.06000 | -.03000 | 2.49900 | -.09000 | -.03000 | -.33200 | -.33200 | 1456.00000 |
| .948 | 6.370 | 14.91000 | -.06000 | -.03000 | 2.50600 | -.09000 | -.03000 | -.35600 | -.35200 | 1456.00000 |
| .948 | 8.420 | 14.92000 | -.06000 | -.03000 | 2.52100 | -.09000 | -.03000 | -.35800 | -.35700 | 1456.00000 |
| | GRADIENT | .01034 | -.00000 | -.00000 | -.00317 | .00000 | -.00000 | -.00400 | -.00372 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B216) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 451/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -2.010 | -.04000 | -.06000 | -.03000 | -2.10200 | -.09000 | -.03000 | -.20600 | -.20500 | 888.40000 |
| .597 | -.080 | -.03000 | -.06000 | -.03000 | -.88000 | -.09000 | -.03000 | -.20100 | -.20000 | 888.40000 |
| .596 | 1.970 | -.03000 | -.06000 | -.03000 | .62300 | -.09000 | -.03000 | -.19700 | -.19900 | 888.40000 |
| .596 | 3.950 | -.03000 | -.06000 | -.03000 | 2.04700 | -.09000 | -.03000 | -.18900 | -.19200 | 888.40000 |
| .596 | 5 930 | -.04000 | -.06000 | -.03000 | 3.27100 | -.09000 | -.03000 | -.19500 | -.19000 | 888.40000 |
| .596 | 7.940 | -.03000 | -.06000 | -.03000 | 4.15600 | -.09000 | -.03000 | -.19100 | -.19100 | 888.40000 |
| .597 | 9.920 | -.02000 | -.06000 | -.03000 | 4.55900 | -.09000 | -.03000 | -.19400 | -.19600 | 888.40000 |
| .596 | 11.950 | -.02000 | -.06000 | -.03000 | 4.51200 | -.09000 | -.03000 | -.19600 | -.19500 | 888.40000 |
| .597 | 13.930 | -.02000 | -.06000 | -.03000 | 3.96700 | -.09000 | -.03000 | -.21000 | -.20700 | 888.40000 |
| .597 | 15.930 | -.02000 | -.06000 | -.03000 | 3.39700 | -.09000 | -.03000 | -.22300 | -.22500 | 888.40000 |
| .596 | 17.960 | .00000 | -.06000 | -.03000 | 2.95000 | -.09000 | -.03000 | -.26100 | -.25700 | 888.40000 |
| | GRADIENT | .00149 | .00000 | .00000 | .70016 | -.00000 | .00000 | .00276 | .00200 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B216) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 437/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -1.950 | -.05000 | -.06000 | -.03000 | -.86900 | -.09000 | -.03000 | -.36600 | -.36600 | 1425.00000 |
| 1.198 | -.020 | -.04000 | -.06000 | -.03000 | -.12600 | -.09000 | -.03000 | -.35800 | -.35700 | 1425.00000 |
| 1.199 | 2.030 | -.03000 | -.06000 | -.03000 | .65200 | -.09000 | -.03000 | -.35000 | -.35000 | 1425.00000 |
| 1.197 | 4.080 | -.03000 | -.06000 | -.03000 | 1.30300 | -.09000 | -.03000 | -.34800 | -.34800 | 1425.00000 |
| 1.197 | 5.940 | -.04000 | -.06000 | -.03000 | 1.76000 | -.09000 | -.03000 | -.34800 | -.34800 | 1425.00000 |
| 1.198 | 8.030 | -.04000 | -.06000 | -.03000 | 2.07700 | -.09000 | -.03000 | -.35100 | -.35100 | 1425.00000 |
| 1.198 | 9.830 | -.03000 | -.06000 | -.03000 | 2.23200 | -.09000 | -.03000 | -.35400 | -.35200 | 1425.00000 |
| 1.198 | 11.970 | -.03000 | -.06000 | -.03000 | 2.30400 | -.09000 | -.03000 | -.36500 | -.36600 | 1425.00000 |
| 1.197 | 14.020 | -.03000 | -.06000 | -.03000 | 2.25300 | -.09000 | -.03000 | -.39500 | -.39200 | 1425.00000 |
| 1.199 | 15.960 | -.02000 | -.06000 | -.03000 | 2.15800 | -.09000 | -.03000 | -.43100 | -.42800 | 1425.00000 |
| 1.196 | 17.900 | -.02000 | -.06000 | -.03000 | 2.06400 | -.09000 | -.03000 | -.44500 | -.44700 | 1425.00000 |
| | GRADIENT | .00346 | .00000 | .00000 | .36200 | .00000 | .00000 | .00307 | .00302 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B217) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 453/ 0 RN/L = 7.08 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -2.040 | 4.10000 | -.06000 | -.03000 | -2.13800 | -.09000 | -.03000 | -.23400 | -.23800 | 889.00000 |
| .598 | -.050 | 4.13000 | -.06000 | -.03000 | -.84300 | -.09000 | -.03000 | -.23300 | -.23200 | 889.00000 |
| .597 | 2.050 | 4.12000 | -.06000 | -.03000 | .67600 | -.09000 | -.03000 | -.22700 | -.23000 | 889.00000 |
| .598 | 3.940 | 4.13000 | -.06000 | -.03000 | 2.03800 | -.09000 | -.03000 | -.22500 | -.22700 | 889.00000 |
| .597 | 5.920 | 4.14000 | -.06000 | -.03000 | 3.24600 | -.09000 | -.03000 | -.22700 | -.22800 | 889.00000 |
| .598 | 8.040 | 4.17000 | -.06000 | -.03000 | 4.14900 | -.09000 | -.03000 | -.23100 | -.22600 | 889.00000 |
| .597 | 10.000 | 4.19000 | -.06000 | -.03000 | 4.54400 | -.09000 | -.03000 | -.23100 | -.23700 | 889.00000 |
| .597 | 12.020 | 4.21000 | -.06000 | -.03000 | 4.50100 | -.09000 | -.03000 | -.23400 | -.23800 | 889.00000 |
| .598 | 14.030 | 4.22000 | -.06000 | -.03000 | 3.89300 | -.09000 | -.03000 | -.24400 | -.24700 | 889.00000 |
| .598 | 15.970 | 4.22000 | -.06000 | -.03000 | 3.39200 | -.09000 | -.03000 | -.25000 | -.25600 | 889.00000 |
| .598 | 18.020 | 4.24000 | -.06000 | -.03000 | 2.98000 | -.09000 | -.03000 | -.27700 | -.26900 | 889.00000 |
| | GRADIENT | .00397 | -.00000 | -.00000 | .70090 | .00000 | -.00000 | .00165 | .00175 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B217) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 438/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.950 | 4.16000 | -.06000 | -.03000 | -.86800 | -.09000 | -.03000 | -.40200 | -.40300 | 1454.00000 |
| 1.198 | .000 | 4.19000 | -.06000 | -.03000 | -.15300 | -.09000 | -.03000 | -.39300 | -.39200 | 1454.00000 |
| 1.199 | 1.980 | 4.15000 | -.06000 | -.03000 | .58300 | -.09000 | -.03000 | -.37800 | -.37800 | 1454.00000 |
| 1.199 | 3.970 | 4.17000 | -.06000 | -.03000 | 1.23000 | -.09000 | -.03000 | -.37400 | -.37400 | 1454.00000 |
| 1.197 | 5.960 | 4.19000 | -.06000 | -.03000 | 1.71300 | -.09000 | -.03000 | -.38300 | -.38300 | 1454.00000 |
| 1.199 | 7.920 | 4.21000 | -.06000 | -.03000 | 2.01300 | -.09000 | -.03000 | -.40400 | -.40300 | 1454.00000 |
| 1.197 | 9.880 | 4.23000 | -.06000 | -.03000 | 2.19800 | -.09000 | -.03000 | -.41200 | -.41500 | 1454.00000 |
| 1.198 | 11.940 | 4.28000 | -.06000 | -.03000 | 2.25200 | -.09000 | -.03000 | -.42400 | -.42500 | 1454.00000 |
| 1.196 | 14.010 | 4.31000 | -.06000 | -.03000 | 2.23500 | -.09000 | -.03000 | -.42900 | -.42700 | 1454.00000 |
| 1.198 | 15.990 | 4.32000 | -.06000 | -.03000 | 2.15400 | -.09000 | -.03000 | -.44800 | -.44600 | 1454.00000 |
| 1.196 | 17.950 | 4.34000 | -.06000 | -.03000 | 2.06000 | -.09000 | -.03000 | -.46300 | -.46300 | 1454.00000 |
| | GRADIENT | -.00052 | -.00000 | -.00000 | .35609 | .00000 | -.00000 | .00501 | .00511 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B218) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 452/ 0 RN/L = 7.06 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -6.080 | 9.97000 | -.06000 | -.03000 | 4.65600 | -.09000 | -.03000 | -.25300 | -.25200 | 889.30000 |
| .597 | -4.060 | 9.95000 | -.06000 | -.03000 | 4.63300 | -.09000 | -.03000 | -.22500 | -.21700 | 889.30000 |
| .597 | -3.030 | 9.93000 | -.06000 | -.03000 | 4.58800 | -.09000 | -.03000 | -.20400 | -.20700 | 889.30000 |
| .597 | -2.000 | 9.89000 | -.06000 | -.03000 | 4.57400 | -.09000 | -.03000 | -.19500 | -.19200 | 889.30000 |
| .597 | -.990 | 9.89000 | -.06000 | -.03000 | 4.54700 | -.09000 | -.03000 | -.19300 | -.19100 | 889.30000 |
| .597 | -.020 | 9.84000 | -.06000 | -.03000 | 4.55700 | -.09000 | -.03000 | -.18500 | -.19100 | 889.30000 |
| .596 | .970 | 9.93000 | -.06000 | -.03000 | 4.53400 | -.09000 | -.03000 | -.20000 | -.20400 | 889.30000 |
| .597 | 2.020 | 9.97000 | -.06000 | -.03000 | 4.52600 | -.09000 | -.03000 | -.21200 | -.21100 | 889.30000 |
| .596 | 3.040 | 9.97000 | -.06000 | -.03000 | 4.51300 | -.09000 | -.03000 | -.22400 | -.21900 | 889.30000 |
| .597 | 4.060 | 9.97000 | -.06000 | -.03000 | 4.50800 | -.09000 | -.03000 | -.23300 | -.23300 | 889.30000 |
| .598 | 6.130 | 9.96000 | -.06000 | -.03000 | 4.46000 | -.09000 | -.03000 | -.24700 | -.24600 | 889.30000 |
| .596 | 8.230 | 9.98000 | -.06000 | -.03000 | 4.54200 | -.09000 | -.03000 | -.25800 | -.26200 | 889.30000 |
| | GRADIENT | .00660 | .00000 | .00000 | -.01375 | -.00000 | .00000 | -.00220 | -.00249 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B218) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 439/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -6.190 | 9.96000 | -.06000 | -.03000 | 2.23600 | -.09000 | -.03000 | -.40300 | -.40200 | 1467.00000 |
| 1.197 | -4.150 | 9.96000 | -.06000 | -.03000 | 2.24800 | -.09000 | -.03000 | -.38700 | -.39100 | 1467.00000 |
| 1.198 | -3.120 | 9.95000 | -.06000 | -.03000 | 2.25400 | -.09000 | -.03000 | -.37700 | -.37900 | 1467.00000 |
| 1.198 | -2.070 | 9.92000 | -.06000 | -.03000 | 2.25600 | -.09000 | -.03000 | -.36300 | -.36700 | 1467.00000 |
| 1.197 | -1.030 | 9.91000 | -.06000 | -.03000 | 2.25000 | -.09000 | -.03000 | -.35700 | -.35700 | 1467.00000 |
| 1.198 | -.020 | 9.90000 | -.06000 | -.03000 | 2.23800 | -.09000 | -.03000 | -.35600 | -.35800 | 1467.00000 |
| 1.197 | .990 | 9.93000 | -.06000 | -.03000 | 2.23400 | -.09000 | -.03000 | -.36200 | -.36200 | 1467.00000 |
| 1.197 | 2.080 | 9.96000 | -.06000 | -.03000 | 2.23000 | -.09000 | -.03000 | -.37600 | -.37500 | 1467.00000 |
| 1.199 | 3.130 | 9.97000 | -.06000 | -.03000 | 2.21800 | -.09000 | -.03000 | -.39500 | -.39500 | 1467.00000 |
| 1.196 | 4.190 | 9.96000 | -.06000 | -.03000 | 2.19600 | -.09000 | -.03000 | -.41200 | -.41100 | 1467.00000 |
| 1.197 | 6.290 | 9.95000 | -.06000 | -.03000 | 2.17000 | -.09000 | -.03000 | -.41700 | -.41500 | 1467.00000 |
| 1.198 | 8.390 | 9.97000 | -.06000 | -.03000 | 2.16500 | -.09000 | -.03000 | -.42000 | -.41800 | 1467.00000 |
| | GRADIENT | .00259 | -.00000 | -.00000 | -.00616 | -.00000 | -.00000 | -.00299 | -.00242 | .00001 |

ARC 200-1 11(LA77) OV101 (A2B219) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 448/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -2.030 | -.04000 | -.06000 | -.03000 | -1.87400 | -.09000 | -.03000 | -.22500 | -.22500 | 1424.00000 |
| .898 | -.070 | -.03000 | -.06000 | -.03000 | -.59500 | -.09000 | -.03000 | -.21500 | -.22000 | 1424.00000 |
| .899 | 2.000 | -.03000 | -.06000 | -.03000 | .81100 | -.09000 | -.03000 | -.21400 | -.21900 | 1424.00000 |
| .899 | 3.910 | -.03000 | -.06000 | -.03000 | 1.90300 | -.09000 | -.03000 | -.20900 | -.21500 | 1424.00000 |
| .899 | 5.980 | -.02000 | -.06000 | -.03000 | 2.57900 | -.09000 | -.03000 | -.20600 | -.20500 | 1424.00000 |
| .900 | 8.030 | -.04000 | -.06000 | -.03000 | 2.88900 | -.09000 | -.03000 | -.20600 | -.21100 | 1424.00000 |
| .900 | 9.920 | -.02000 | -.06000 | -.03000 | 2.96900 | -.09000 | -.03000 | -.21200 | -.21200 | 1424.00000 |
| .901 | 11.910 | -.02000 | -.06000 | -.03000 | 2.85600 | -.09000 | -.03000 | -.23400 | -.23000 | 1424.00000 |
| .900 | 13.950 | -.01000 | -.06000 | -.03000 | 2.70100 | -.09000 | -.03000 | -.25700 | -.26100 | 1424.00000 |
| .898 | 16.000 | -.01000 | -.06000 | -.03000 | 2.51200 | -.09000 | -.03000 | -.28600 | -.28700 | 1424.00000 |
| .900 | 17.950 | .02000 | -.06000 | -.03000 | 2.35000 | -.09000 | -.03000 | -.32100 | -.32600 | 1424.00000 |
| | GRADIENT | .00151 | -.00000 | -.00000 | .64065 | -.00000 | -.00000 | .00246 | .00155 | .00000 |

ARC 200-1 11(LA77) OV101 (A28219) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 443/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -2.030 | -.04000 | -.06000 | -.03000 | -1.59900 | -.09000 | -.03000 | -.25300 | -.25000 | 1473.00000 |
| .947 | -.050 | -.03000 | -.06000 | -.03000 | -.50600 | -.09000 | -.03000 | -.24500 | -.24800 | 1473.00000 |
| .948 | 1.980 | -.03000 | -.06000 | -.03000 | .69400 | -.09000 | -.03000 | -.23500 | -.24000 | 1473.00000 |
| .947 | 4.010 | -.03000 | -.06000 | -.03000 | 1.71300 | -.09000 | -.03000 | -.23600 | -.23100 | 1473.00000 |
| .947 | 6.000 | -.03000 | -.06000 | -.03000 | 2.40000 | -.09000 | -.03000 | -.23800 | -.23600 | 1473.00000 |
| .949 | 8.000 | -.05000 | -.06000 | -.03000 | 2.74100 | -.09000 | -.03000 | -.24600 | -.24200 | 1473.00000 |
| .948 | 9.950 | -.02000 | -.06000 | -.03000 | 2.83400 | -.09000 | -.03000 | -.24900 | -.24800 | 1473.00000 |
| .948 | 11.930 | -.06000 | -.06000 | -.03000 | 2.74100 | -.09000 | -.03000 | -.25900 | -.26600 | 1473.00000 |
| .946 | 13.940 | -.05000 | -.06000 | -.03000 | 2.59300 | -.09000 | -.03000 | -.30200 | -.30100 | 1473.00000 |
| .947 | 17.940 | -.07000 | -.06000 | -.03000 | 2.30100 | -.09000 | -.03000 | -.36000 | -.36100 | 1473.00000 |
| | GRADIENT | .00148 | -.00000 | -.00000 | .55262 | .00000 | -.00000 | .00302 | .00323 | .00000 |

RUN NO. 440/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.050 | -.04000 | -.06000 | -.03000 | -1.20100 | -.09000 | -.03000 | -.37600 | -.37700 | 1576.00000 |
| 1.047 | -.040 | -.03000 | -.06000 | -.03000 | -.35600 | -.09000 | -.03000 | -.36100 | -.36000 | 1576.00000 |
| 1.048 | 2.060 | -.03000 | -.06000 | -.03000 | .58500 | -.09000 | -.03000 | -.34900 | -.35500 | 1576.00000 |
| 1.048 | 3.990 | -.03000 | -.06000 | -.03000 | 1.32100 | -.09000 | -.03000 | -.35000 | -.35100 | 1576.00000 |
| 1.046 | 5.990 | -.03000 | -.06000 | -.03000 | 1.85200 | -.09000 | -.03000 | -.35900 | -.36000 | 1576.00000 |
| 1.048 | 7.980 | -.04000 | -.06000 | -.03000 | 2.16200 | -.09000 | -.03000 | -.36600 | -.37000 | 1576.00000 |
| 1.047 | 9.850 | -.04000 | -.06000 | -.03000 | 2.31400 | -.09000 | -.03000 | -.37500 | -.37500 | 1576.00000 |
| 1.047 | 11.880 | -.03000 | -.06000 | -.03000 | 2.34200 | -.09000 | -.03000 | -.38800 | -.39000 | 1576.00000 |
| 1.047 | 13.960 | -.03000 | -.06000 | -.03000 | 2.28100 | -.09000 | -.03000 | -.41500 | -.41300 | 1576.00000 |
| 1.049 | 17.980 | .00000 | -.06000 | -.03000 | 2.11400 | -.09000 | -.03000 | -.47100 | -.47100 | 1576.00000 |
| | GRADIENT | .00149 | .00000 | .00000 | .42092 | -.00000 | .00000 | .00447 | .00411 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B220) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 449/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -2.040 | 4.17000 | -.06000 | -.03000 | -1.90700 | -.09000 | -.03000 | -.25700 | -.26400 | 1418.00000 |
| .901 | -.070 | 4.19000 | -.06000 | -.03000 | -.63200 | -.09000 | -.03000 | -.25600 | -.25400 | 1418.00000 |
| .900 | 1.980 | 4.17000 | -.06000 | -.03000 | .75600 | -.09000 | -.03000 | -.24800 | -.24600 | 1418.00000 |
| .901 | 3.960 | 4.17000 | -.06000 | -.03000 | 1.88400 | -.09000 | -.03000 | -.24000 | -.23800 | 1418.00000 |
| .899 | 6.000 | 4.22000 | -.06000 | -.03000 | 2.60500 | -.09000 | -.03000 | -.23900 | -.23300 | 1418.00000 |
| .901 | 7.990 | 4.25000 | -.06000 | -.03000 | 2.90500 | -.09000 | -.03000 | -.23800 | -.23700 | 1418.00000 |
| .899 | 9.940 | 4.26000 | -.06000 | -.03000 | 2.96600 | -.09000 | -.03000 | -.25000 | -.24900 | 1418.00000 |
| .900 | 12.020 | 4.32000 | -.06000 | -.03000 | 2.84500 | -.09000 | -.03000 | -.26400 | -.26500 | 1418.00000 |
| .899 | 13.980 | 4.34000 | -.06000 | -.03000 | 2.69400 | -.09000 | -.03000 | -.29000 | -.28900 | 1418.00000 |
| .900 | 16.020 | 4.37000 | -.06000 | -.03000 | 2.52500 | -.09000 | -.03000 | -.31300 | -.30000 | 1418.00000 |
| .902 | 18.010 | 4.39000 | -.06000 | -.03000 | 2.37500 | -.09000 | -.03000 | -.32500 | -.32000 | 1418.00000 |
| | GRADIENT | -.00102 | -.00000 | -.00000 | .63654 | -.00000 | -.00000 | .00295 | .00429 | .00000 |

RUN NO. 444/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -2.050 | 4.18000 | -.06000 | -.03000 | -1.63700 | -.09000 | -.03000 | -.28900 | -.28300 | 1482.00000 |
| .947 | -.050 | 4.19000 | -.06000 | -.03000 | -.58600 | -.09000 | -.03000 | -.28700 | -.29500 | 1482.00000 |
| .948 | 2.000 | 4.16000 | -.06000 | -.03000 | .60300 | -.09000 | -.03000 | -.28300 | -.28700 | 1482.00000 |
| .948 | 3.920 | 4.16000 | -.06000 | -.03000 | 1.58000 | -.09000 | -.03000 | -.27900 | -.28900 | 1482.00000 |
| .948 | 5.930 | 4.20000 | -.06000 | -.03000 | 2.30900 | -.09000 | -.03000 | -.27800 | -.28100 | 1482.00000 |
| .949 | 7.970 | 4.22000 | -.06000 | -.03000 | 2.69300 | -.09000 | -.03000 | -.28800 | -.29200 | 1482.00000 |
| .948 | 9.940 | 4.22000 | -.06000 | -.03000 | 2.80900 | -.09000 | -.03000 | -.29900 | -.30100 | 1482.00000 |
| .948 | 11.970 | 4.26000 | -.06000 | -.03000 | 2.74400 | -.09000 | -.03000 | -.31100 | -.30100 | 1482.00000 |
| .949 | 14.020 | 4.28000 | -.06000 | -.03000 | 2.59600 | -.09000 | -.03000 | -.33800 | -.35000 | 1482.00000 |
| .947 | 16.000 | 4.29000 | -.06000 | -.03000 | 2.43700 | -.09000 | -.03000 | -.36700 | -.37000 | 1482.00000 |
| .949 | 18.020 | 4.29000 | -.06000 | -.03000 | 2.29000 | -.09000 | -.03000 | -.40800 | -.41700 | 1482.00000 |
| | GRADIENT | -.00453 | -.00000 | -.00000 | .54323 | .00000 | -.00000 | .00170 | -.00050 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B220) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 441/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -2.040 | 4.18000 | -.06000 | -.03000 | -1.17700 | -.09000 | -.03000 | -.41200 | -.41200 | 1576.00000 |
| 1.048 | -.030 | 4.20000 | -.06000 | -.03000 | -.36100 | -.09000 | -.03000 | -.40600 | -.40500 | 1576.00000 |
| 1.048 | 1.990 | 4.16000 | -.06000 | -.03000 | .51300 | -.09000 | -.03000 | -.40700 | -.40800 | 1576.00000 |
| 1.048 | 3.920 | 4.17000 | -.06000 | -.03000 | 1.23400 | -.09000 | -.03000 | -.41300 | -.41400 | 1576.00000 |
| 1.048 | 5.950 | 4.18000 | -.06000 | -.03000 | 1.76300 | -.09000 | -.03000 | -.42500 | -.42600 | 1576.00000 |
| 1.049 | 7.970 | 4.21000 | -.06000 | -.03000 | 2.07100 | -.09000 | -.03000 | -.43900 | -.43900 | 1576.00000 |
| 1.047 | 9.870 | 4.25000 | -.06000 | -.03000 | 2.22900 | -.09000 | -.03000 | -.44700 | -.44700 | 1576.00000 |
| 1.047 | 11.930 | 4.29000 | -.06000 | -.03000 | 2.29600 | -.09000 | -.03000 | -.44500 | -.44600 | 1576.00000 |
| 1.048 | 14.030 | 4.32000 | -.06000 | -.03000 | 2.26600 | -.09000 | -.03000 | -.45500 | -.45400 | 1576.00000 |
| 1.046 | 16.130 | 4.33000 | -.06000 | -.03000 | 2.17900 | -.09000 | -.03000 | -.47900 | -.47900 | 1576.00000 |
| 1.048 | 17.980 | 4.35000 | -.06000 | -.03000 | 2.09600 | -.09000 | -.03000 | -.49500 | -.49500 | 1576.00000 |
| | GRADIENT | -.00353 | -.00000 | -.00000 | .40749 | .00000 | -.00000 | -.00019 | -.00044 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B221) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 450/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .902 | -6.320 | 5.06000 | -.06000 | -.03000 | 2.43800 | -.09000 | -.03000 | -.25000 | -.24400 | 1426.00000 |
| .900 | -4.240 | 5.04000 | -.06000 | -.03000 | 2.42700 | -.09000 | -.03000 | -.21900 | -.22300 | 1426.00000 |
| .900 | -3.180 | 5.06000 | -.06000 | -.03000 | 2.41200 | -.09000 | -.03000 | -.20900 | -.20800 | 1426.00000 |
| .900 | -2.130 | 5.05000 | -.06000 | -.03000 | 2.37600 | -.09000 | -.03000 | -.20200 | -.20800 | 1426.00000 |
| .900 | -1.080 | 5.06000 | -.06000 | -.03000 | 2.32000 | -.09000 | -.03000 | -.20200 | -.20100 | 1426.00000 |
| .901 | -.030 | 5.08000 | -.06000 | -.03000 | 2.30500 | -.09000 | -.03000 | -.21100 | -.20900 | 1426.00000 |
| .899 | .990 | 5.07000 | -.06000 | -.03000 | 2.30800 | -.09000 | -.03000 | -.21000 | -.20800 | 1426.00000 |
| .901 | 2.020 | 5.07000 | -.06000 | -.03000 | 2.32700 | -.09000 | -.03000 | -.22000 | -.22000 | 1426.00000 |
| .900 | 3.090 | 5.03000 | -.06000 | -.03000 | 2.32700 | -.09000 | -.03000 | -.22500 | -.22700 | 1426.00000 |
| .899 | 4.120 | 5.02000 | -.06000 | -.03000 | 2.32200 | -.09000 | -.03000 | -.23500 | -.23600 | 1426.00000 |
| .901 | 6.200 | 4.99000 | -.06000 | -.03000 | 2.25800 | -.09000 | -.03000 | -.25900 | -.26500 | 1426.00000 |
| .899 | 8.330 | 4.99000 | -.06000 | -.03000 | 2.23000 | -.09000 | -.03000 | -.29200 | -.29600 | 1426.00000 |
| | GRADIENT | -.00191 | -.00000 | -.00000 | -.01256 | -.00000 | -.00000 | -.00248 | -.00223 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28221) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 445/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.310 | 5.04000 | -.06000 | -.03000 | 2.07600 | -.09000 | -.03000 | -.28200 | -.28500 | 1479.00000 |
| .947 | -4.230 | 5.00000 | -.06000 | -.03000 | 2.15800 | -.09000 | -.03000 | -.25600 | -.25800 | 1479.00000 |
| .950 | -3.180 | 5.00000 | -.06000 | -.03000 | 2.12800 | -.09000 | -.03000 | -.25200 | -.25100 | 1479.00000 |
| .949 | -2.130 | 5.01000 | -.06000 | -.03000 | 2.13200 | -.09000 | -.03000 | -.24000 | -.24500 | 1479.00000 |
| .947 | -1.080 | 5.02000 | -.06000 | -.03000 | 2.08700 | -.09000 | -.03000 | -.23800 | -.24200 | 1479.00000 |
| .950 | -.030 | 5.03000 | -.06000 | -.03000 | 2.08400 | -.09000 | -.03000 | -.24100 | -.24700 | 1479.00000 |
| .947 | 1.000 | 5.01000 | -.06000 | -.03000 | 2.08100 | -.09000 | -.03000 | -.24000 | -.23400 | 1479.00000 |
| .951 | 2.010 | 5.04000 | -.06000 | -.03000 | 2.08500 | -.09000 | -.03000 | -.25700 | -.25900 | 1479.00000 |
| .949 | 3.050 | 5.01000 | -.06000 | -.03000 | 2.05000 | -.09000 | -.03000 | -.26100 | -.26600 | 1479.00000 |
| .948 | 4.120 | 4.98000 | -.06000 | -.03000 | 2.01400 | -.09000 | -.03000 | -.28800 | -.30000 | 1479.00000 |
| .949 | 6.220 | 4.96000 | -.06000 | -.03000 | 1.88800 | -.09000 | -.03000 | -.30300 | -.30600 | 1479.00000 |
| .950 | 8.310 | 4.97000 | -.06000 | -.03000 | 1.83500 | -.09000 | -.03000 | -.33800 | -.32800 | 1479.00000 |
| | GRADIENT | -.00000 | .00000 | .00000 | -.01459 | .00000 | .00000 | -.00305 | -.00372 | -.00000 |

RUN NO. 442/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -6.330 | 5.03000 | -.06000 | -.03000 | 1.62700 | -.09000 | -.03000 | -.42300 | -.42500 | 1582.00000 |
| 1.046 | -4.250 | 4.97000 | -.06000 | -.03000 | 1.62300 | -.09000 | -.03000 | -.39000 | -.38800 | 1582.00000 |
| 1.045 | -3.190 | 4.98000 | -.06000 | -.03000 | 1.62100 | -.09000 | -.03000 | -.37400 | -.37600 | 1582.00000 |
| 1.048 | -2.140 | 4.98000 | -.06000 | -.03000 | 1.62000 | -.09000 | -.03000 | -.35800 | -.35800 | 1582.00000 |
| 1.047 | -1.090 | 4.94000 | -.06000 | -.03000 | 1.61400 | -.09000 | -.03000 | -.35600 | -.35300 | 1582.00000 |
| 1.047 | -.020 | 4.98000 | -.06000 | -.03000 | 1.59800 | -.09000 | -.03000 | -.35300 | -.35300 | 1582.00000 |
| 1.046 | 1.000 | 4.98000 | -.06000 | -.03000 | 1.59400 | -.09000 | -.03000 | -.36600 | -.36700 | 1582.00000 |
| 1.048 | 2.080 | 4.96000 | -.06000 | -.03000 | 1.58700 | -.09000 | -.03000 | -.37600 | -.37700 | 1582.00000 |
| 1.046 | 3.070 | 4.99000 | -.06000 | -.03000 | 1.57100 | -.09000 | -.03000 | -.40100 | -.39800 | 1582.00000 |
| 1.047 | 4.150 | 4.96000 | -.06000 | -.03000 | 1.54500 | -.09000 | -.03000 | -.42000 | -.41900 | 1582.00000 |
| 1.046 | 6.220 | 4.96000 | -.06000 | -.03000 | 1.50600 | -.09000 | -.03000 | -.44000 | -.44000 | 1582.00000 |
| 1.047 | 8.340 | 4.97000 | -.06000 | -.03000 | 1.49800 | -.09000 | -.03000 | -.45900 | -.46000 | 1582.00000 |
| | GRADIENT | -.00017 | .00000 | .00000 | -.00871 | .00000 | .00000 | -.00390 | -.00383 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B222) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 446/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.230 | 14.93000 | -.06000 | -.03000 | 2.54900 | -.09000 | -.03000 | -.33500 | -.34300 | 1479.00000 |
| .950 | -4.160 | 14.90000 | -.06000 | -.03000 | 2.54500 | -.09000 | -.03000 | -.33500 | -.33400 | 1479.00000 |
| .949 | -3.120 | 14.88000 | -.06000 | -.03000 | 2.54500 | -.09000 | -.03000 | -.31300 | -.31800 | 1479.00000 |
| .947 | -2.080 | 14.85000 | -.06000 | -.03000 | 2.53800 | -.09000 | -.03000 | -.30600 | -.30700 | 1479.00000 |
| .951 | -1.040 | 14.87000 | -.06000 | -.03000 | 2.52000 | -.09000 | -.03000 | -.29600 | -.29600 | 1479.00000 |
| .948 | .010 | 14.85000 | -.06000 | -.03000 | 2.52500 | -.09000 | -.03000 | -.30100 | -.30600 | 1479.00000 |
| .950 | 1.040 | 14.85000 | -.06000 | -.03000 | 2.51800 | -.09000 | -.03000 | -.32300 | -.31500 | 1479.00000 |
| .949 | 2.080 | 14.85000 | -.06000 | -.03000 | 2.51500 | -.09000 | -.03000 | -.33200 | -.33600 | 1479.00000 |
| .819 | 3.040 | 14.86000 | -.06000 | -.03000 | 2.51600 | -.09000 | -.03000 | -.67100 | -.65600 | 1479.00000 |
| .951 | 4.130 | 14.90000 | -.06000 | -.03000 | 2.51600 | -.09000 | -.03000 | -.35100 | -.35100 | 1479.00000 |
| .948 | 6.240 | 14.90000 | -.06000 | -.03000 | 2.52200 | -.09000 | -.03000 | -.35700 | -.36300 | 1479.00000 |
| | GRADIENT | -.00131 | .00000 | .00000 | -.00405 | -.00000 | .00000 | -.01933 | -.01841 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B223) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 447/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.230 | 14.90000 | -.06000 | -.03000 | 2.54900 | -.09000 | -.03000 | -.32900 | -.33400 | 1476.00000 |
| .950 | -4.230 | 14.89000 | -.06000 | -.03000 | 2.54900 | -.09000 | -.03000 | -.31100 | -.31000 | 1476.00000 |
| .948 | -3.190 | 14.88000 | -.06000 | -.03000 | 2.54300 | -.09000 | -.03000 | -.30200 | -.30400 | 1476.00000 |
| .949 | -2.150 | 14.93000 | -.06000 | -.03000 | 2.52600 | -.09000 | -.03000 | -.29500 | -.30100 | 1476.00000 |
| .950 | -1.080 | 14.97000 | -.06000 | -.03000 | 2.51400 | -.09000 | -.03000 | -.30200 | -.29600 | 1476.00000 |
| .949 | -.020 | 14.98000 | -.06000 | -.03000 | 2.50500 | -.09000 | -.03000 | -.28700 | -.29600 | 1476.00000 |
| .949 | 1.020 | 14.97000 | -.06000 | -.03000 | 2.50800 | -.09000 | -.03000 | -.32000 | -.32200 | 1476.00000 |
| .950 | 2.140 | 15.01000 | -.06000 | -.03000 | 2.49400 | -.09000 | -.03000 | -.33400 | -.33100 | 1476.00000 |
| .947 | 3.190 | 14.97000 | -.06000 | -.03000 | 2.50700 | -.09000 | -.03000 | -.32800 | -.34000 | 1476.00000 |
| .950 | 4.290 | 14.97000 | -.06000 | -.03000 | 2.51500 | -.09000 | -.03000 | -.36200 | -.36500 | 1476.00000 |
| .950 | 6.390 | 14.94000 | -.06000 | -.03000 | 2.51500 | -.09000 | -.03000 | -.35700 | .00000 | 1476.00000 |
| .948 | 8.430 | 14.94000 | -.06000 | -.03000 | 2.54200 | -.09000 | -.03000 | -.34800 | -.35400 | 1476.00000 |
| | GRADIENT | .01170 | .00000 | .00000 | -.00489 | .00000 | .00000 | -.00595 | -.00651 | -.00000 |

ARC 200-1 11(LA77) OV101 (A28224) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 468/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -1.970 | -.03000 | -.06000 | -.03000 | -2.27500 | -.09000 | -.03000 | -.19100 | -.19700 | 877.20000 |
| .597 | -.060 | -.02000 | -.06000 | -.03000 | -.88000 | -.09000 | -.03000 | -.18800 | -.18900 | 877.20000 |
| .596 | 1.960 | -.02000 | -.06000 | -.03000 | .81200 | -.09000 | -.03000 | -.17900 | -.18500 | 877.20000 |
| .597 | 3.970 | -.02000 | -.06000 | -.03000 | 2.47900 | -.09000 | -.03000 | -.18500 | -.18800 | 877.20000 |
| .597 | 5.890 | -.04000 | -.06000 | -.03000 | 3.75100 | -.09000 | -.03000 | -.18300 | -.18200 | 877.20000 |
| .597 | 7.910 | -.03000 | -.06000 | -.03000 | 4.66800 | -.09000 | -.03000 | -.18100 | -.17900 | 877.20000 |
| .597 | 9.980 | -.02000 | -.06000 | -.03000 | 4.99200 | -.09000 | -.03000 | -.18100 | -.18200 | 877.20000 |
| .597 | 11.920 | -.02000 | -.06000 | -.03000 | 4.84400 | -.09000 | -.03000 | -.18100 | -.18300 | 877.20000 |
| .597 | 13.940 | -.02000 | -.06000 | -.03000 | 4.16200 | -.09000 | -.03000 | -.19600 | -.20000 | 877.20000 |
| .596 | 15.990 | -.02000 | -.06000 | -.03000 | 3.49400 | -.09000 | -.03000 | -.21300 | -.21700 | 877.20000 |
| .597 | 17.940 | -.01000 | -.06000 | -.03000 | 3.02700 | -.09000 | -.03000 | -.25400 | -.25400 | 877.20000 |
| | GRADIENT | .00150 | -.00000 | -.00000 | .80445 | .00000 | -.00000 | .00136 | .00155 | .00000 |

RUN NO. 454/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.960 | -.04000 | -.06000 | -.03000 | -.86900 | -.09000 | -.03000 | -.36900 | -.36900 | 1427.00000 |
| 1.198 | -.040 | -.03000 | -.06000 | -.03000 | -.10300 | -.09000 | -.03000 | -.36200 | -.36300 | 1427.00000 |
| 1.199 | 1.990 | -.03000 | -.06000 | -.03000 | .67700 | -.09000 | -.03000 | -.35400 | -.35200 | 1427.00000 |
| 1.196 | 3.890 | -.03000 | -.06000 | -.03000 | 1.30000 | -.09000 | -.03000 | -.35100 | -.35200 | 1427.00000 |
| 1.198 | 5.870 | -.03000 | -.06000 | -.03000 | 1.81400 | -.09000 | -.03000 | -.34600 | -.34800 | 1427.00000 |
| 1.196 | 7.980 | -.04000 | -.06000 | -.03000 | 2.13700 | -.09000 | -.03000 | -.34600 | -.34500 | 1427.00000 |
| 1.198 | 9.840 | -.02000 | -.06000 | -.03000 | 2.29500 | -.09000 | -.03000 | -.34600 | -.34500 | 1427.00000 |
| 1.197 | 11.890 | -.03000 | -.06000 | -.03000 | 2.35200 | -.09000 | -.03000 | -.35600 | -.35500 | 1427.00000 |
| 1.196 | 13.940 | -.03000 | -.06000 | -.03000 | 2.29500 | -.09000 | -.03000 | -.39000 | -.39000 | 1427.00000 |
| 1.198 | 15.990 | -.02000 | -.06000 | -.03000 | 2.18200 | -.09000 | -.03000 | -.43100 | -.43000 | 1427.00000 |
| 1.197 | 17.920 | -.02000 | -.06000 | -.03000 | 2.08100 | -.09000 | -.03000 | -.45000 | .00000 | 1427.00000 |
| | GRADIENT | .00153 | -.00000 | -.00000 | .37225 | .00000 | -.00000 | .00317 | .00318 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B225) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 469/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -2.010 | 4.10000 | -.06000 | -.03000 | -2.35200 | -.09000 | -.03000 | -.21300 | -.21700 | 877.80000 |
| .598 | -.040 | 4.12000 | -.06000 | -.03000 | -.85900 | -.09000 | -.03000 | -.21600 | -.21400 | 877.80000 |
| .597 | 1.920 | 4.12000 | -.06000 | -.03000 | .79000 | -.09000 | -.03000 | -.21300 | -.21300 | 877.80000 |
| .597 | 3.980 | 4.12000 | -.06000 | -.03000 | 2.47900 | -.09000 | -.03000 | -.20800 | -.21000 | 877.80000 |
| .597 | 5.950 | 4.13000 | -.06000 | -.03000 | 3.75700 | -.09000 | -.03000 | -.20700 | -.20900 | 877.80000 |
| .597 | 7.900 | 4.18000 | -.06000 | -.03000 | 4.61300 | -.09000 | -.03000 | -.20300 | -.21100 | 877.80000 |
| .597 | 10.000 | 4.18000 | -.06000 | -.03000 | 4.94800 | -.09000 | -.03000 | -.22300 | -.22300 | 877.80000 |
| .597 | 11.960 | 4.20000 | -.06000 | -.03000 | 4.81400 | -.09000 | -.03000 | -.22000 | -.22300 | 877.80000 |
| .596 | 14.000 | 4.21000 | -.06000 | -.03000 | 4.09100 | -.09000 | -.03000 | -.23000 | -.23300 | 877.80000 |
| .597 | 16.040 | 4.22000 | -.06000 | -.03000 | 3.49000 | -.09000 | -.03000 | -.24300 | -.24400 | 877.80000 |
| .596 | 17.960 | 4.23000 | -.06000 | -.03000 | 3.07000 | -.09000 | -.03000 | -.26400 | -.26400 | 877.80000 |
| | GRADIENT | .00299 | -.00000 | -.00000 | .81002 | .00000 | -.00000 | .00091 | .00110 | .00000 |

RUN NO. 455/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -1.960 | 4.25000 | -.06000 | -.03000 | -.88900 | -.09000 | -.03000 | -.39700 | -.39500 | 1434.00000 |
| 1.199 | -.020 | 4.27000 | -.06000 | -.03000 | -.14300 | -.09000 | -.03000 | -.38400 | -.38400 | 1434.00000 |
| 1.199 | 1.950 | 4.24000 | -.06000 | -.03000 | .61700 | -.09000 | -.03000 | -.37300 | -.37400 | 1434.00000 |
| 1.199 | 3.910 | 4.27000 | -.06000 | -.03000 | 1.27300 | -.09000 | -.03000 | -.36900 | -.36900 | 1434.00000 |
| 1.199 | 5.870 | 4.28000 | -.06000 | -.03000 | 1.76200 | -.09000 | -.03000 | -.37900 | -.38000 | 1434.00000 |
| 1.200 | 7.940 | 4.30000 | -.06000 | -.03000 | 2.08600 | -.09000 | -.03000 | -.39900 | -.40000 | 1434.00000 |
| 1.199 | 10.020 | 4.35000 | -.06000 | -.03000 | 2.26000 | -.09000 | -.03000 | -.40600 | -.40600 | 1434.00000 |
| 1.198 | 12.020 | 4.36000 | -.06000 | -.03000 | 2.29800 | -.09000 | -.03000 | -.42000 | -.41600 | 1434.00000 |
| 1.199 | 14.040 | 4.39000 | -.06000 | -.03000 | 2.26900 | -.09000 | -.03000 | -.41900 | -.42000 | 1434.00000 |
| 1.198 | 16.000 | 4.40000 | -.06000 | -.03000 | 2.18100 | -.09000 | -.03000 | -.43800 | -.43700 | 1434.00000 |
| 1.198 | 17.950 | 4.42000 | -.06000 | -.03000 | 2.08000 | -.09000 | -.03000 | -.45900 | -.45900 | 1434.00000 |
| | GRADIENT | .00152 | .00000 | .00000 | .37006 | .00000 | .00000 | .00485 | .00449 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B226) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 470/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .597 | -6.080 | 9.96000 | -.06000 | -.03000 | 5.06600 | -.09000 | -.03000 | -.24100 | -.23600 | 877.90000 |
| .597 | -4.070 | 9.95000 | -.06000 | -.03000 | 5.05100 | -.09000 | -.03000 | -.21100 | -.21100 | 877.90000 |
| .597 | -3.040 | 9.93000 | -.06000 | -.03000 | 5.04100 | -.09000 | -.03000 | -.19600 | -.18700 | 877.90000 |
| .597 | -2.040 | 9.92000 | -.06000 | -.03000 | 5.01700 | -.09000 | -.03000 | -.18100 | -.18400 | 877.90000 |
| .597 | -1.010 | 9.91000 | -.06000 | -.03000 | 4.97900 | -.09000 | -.03000 | -.17700 | -.17700 | 877.90000 |
| .597 | -.020 | 9.89000 | -.06000 | -.03000 | 4.98900 | -.09000 | -.03000 | -.18000 | -.18500 | 877.90000 |
| .597 | .980 | 9.93000 | -.06000 | -.03000 | 4.96600 | -.09000 | -.03000 | -.19000 | -.18300 | 877.90000 |
| .598 | 2.020 | 9.96000 | -.06000 | -.03000 | 4.96100 | -.09000 | -.03000 | -.19200 | -.19300 | 877.90000 |
| .596 | 3.070 | 9.97000 | -.06000 | -.03000 | 4.92200 | -.09000 | -.03000 | -.21200 | -.21300 | 877.90000 |
| .597 | 4.110 | 9.96000 | -.06000 | -.03000 | 4.91300 | -.09000 | -.03000 | -.22000 | -.21600 | 877.90000 |
| .597 | 6.180 | 9.94000 | -.06000 | -.03000 | 4.91200 | -.09000 | -.03000 | -.23200 | -.23100 | 877.90000 |
| .597 | 8.250 | 9.96000 | -.06000 | -.03000 | 4.97700 | -.09000 | -.03000 | -.24500 | -.24800 | 877.90000 |
| | GRADIENT | .00428 | .00000 | .00000 | -.01692 | -.00000 | .00000 | -.00197 | -.00202 | -.00000 |

RUN NO. 456/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -6.190 | 10.04000 | -.06000 | -.03000 | 2.28000 | -.09000 | -.03000 | -.40100 | -.40300 | 1439.00000 |
| 1.201 | -4.180 | 10.06000 | -.06000 | -.03000 | 2.29700 | -.09000 | -.03000 | -.38400 | -.38500 | 1439.00000 |
| 1.198 | -3.110 | 10.03000 | -.06000 | -.03000 | 2.30700 | -.09000 | -.03000 | -.36600 | -.36600 | 1439.00000 |
| 1.200 | -2.070 | 10.00000 | -.06000 | -.03000 | 2.31200 | -.09000 | -.03000 | -.35800 | -.35800 | 1439.00000 |
| 1.200 | -1.030 | 9.99000 | -.06000 | -.03000 | 2.31100 | -.09000 | -.03000 | -.34800 | -.34800 | 1439.00000 |
| 1.199 | -.010 | 9.96000 | -.06000 | -.03000 | 2.30300 | -.09000 | -.03000 | -.34700 | -.34600 | 1439.00000 |
| 1.200 | 1.010 | 10.02000 | -.06000 | -.03000 | 2.29900 | -.09000 | -.03000 | -.35200 | -.35100 | 1439.00000 |
| 1.201 | 2.070 | 10.05000 | -.06000 | -.03000 | 2.29400 | -.09000 | -.03000 | -.36300 | -.36000 | 1439.00000 |
| 1.198 | 3.120 | 10.05000 | -.06000 | -.03000 | 2.27900 | -.09000 | -.03000 | -.37700 | -.37800 | 1439.00000 |
| 1.198 | 4.190 | 10.04000 | -.06000 | -.03000 | 2.25700 | -.09000 | -.03000 | -.40400 | -.40300 | 1439.00000 |
| 1.200 | 6.280 | 10.02000 | -.06000 | -.03000 | 2.23200 | -.09000 | -.03000 | -.40600 | -.40900 | 1439.00000 |
| 1.201 | 8.400 | 10.04000 | -.06000 | -.03000 | 2.23200 | -.09000 | -.03000 | -.41500 | -.41600 | 1439.00000 |
| | GRADIENT | .00175 | -.00000 | -.00000 | -.00468 | -.00000 | -.00000 | -.00205 | -.00186 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B227) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 465/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .902 | -2.070 | -.02000 | -.06000 | -.03000 | -1.96800 | -.09000 | -.03000 | -.19900 | -.19900 | 1425.00000 |
| .902 | -.070 | -.03000 | -.06000 | -.03000 | -.56600 | -.09000 | -.03000 | -.19400 | -.19400 | 1425.00000 |
| .901 | 2.030 | -.02000 | -.06000 | -.03000 | .99800 | -.09000 | -.03000 | -.19300 | -.19500 | 1425.00000 |
| .901 | 3.930 | -.02000 | -.06000 | -.03000 | 2.11900 | -.09000 | -.03000 | -.18900 | -.19200 | 1425.00000 |
| .900 | 5.950 | -.03000 | -.06000 | -.03000 | 2.80600 | -.09000 | -.03000 | -.19100 | -.18700 | 1425.00000 |
| .900 | 7.910 | -.04000 | -.06000 | -.03000 | 3.08100 | -.09000 | -.03000 | -.18500 | -.19100 | 1425.00000 |
| .901 | 9.970 | -.02000 | -.06000 | -.03000 | 3.12100 | -.09000 | -.03000 | -.20400 | -.19900 | 1425.00000 |
| .902 | 11.920 | -.02000 | -.06000 | -.03000 | 2.96800 | -.09000 | -.03000 | -.22600 | -.21800 | 1425.00000 |
| .900 | 13.950 | -.01000 | -.06000 | -.03000 | 2.76800 | -.09000 | -.03000 | -.23700 | -.23900 | 1425.00000 |
| .903 | 15.940 | .00000 | -.06000 | -.03000 | 2.56600 | -.09000 | -.03000 | -.27400 | -.26700 | 1425.00000 |
| .902 | 17.950 | .00000 | -.06000 | -.03000 | 2.39500 | -.09000 | -.03000 | -.31000 | -.31300 | 1425.00000 |
| | GRADIENT | .00051 | -.00000 | -.00000 | .68837 | .00000 | -.00000 | .00154 | .00099 | .00000 |

RUN NO. 460/ 0 RN/L = 8.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -2.030 | -.04000 | -.06000 | -.03000 | -1.65700 | -.09000 | -.03000 | -.23500 | -.23700 | 1480.00000 |
| .952 | -.060 | -.03000 | -.06000 | -.03000 | -.54200 | -.09000 | -.03000 | -.23900 | -.23200 | 1480.00000 |
| .950 | 1.940 | -.03000 | -.06000 | -.03000 | .70500 | -.09000 | -.03000 | -.22900 | -.22900 | 1480.00000 |
| .952 | 3.970 | -.02000 | -.06000 | -.03000 | 1.80100 | -.09000 | -.03000 | -.23100 | -.23100 | 1480.00000 |
| .951 | 5.950 | -.03000 | -.06000 | -.03000 | 2.51300 | -.09000 | -.03000 | -.23700 | -.24300 | 1480.00000 |
| .951 | 7.970 | -.05000 | -.06000 | -.03000 | 2.85200 | -.09000 | -.03000 | -.23200 | -.23600 | 1480.00000 |
| .950 | 9.910 | -.03000 | -.06000 | -.03000 | 2.94400 | -.09000 | -.03000 | -.23900 | -.24500 | 1480.00000 |
| .951 | 11.910 | -.05000 | -.06000 | -.03000 | 2.82000 | -.09000 | -.03000 | -.25900 | -.26000 | 1480.00000 |
| .950 | 13.940 | -.05000 | -.06000 | -.03000 | 2.62500 | -.09000 | -.03000 | -.28800 | -.28300 | 1480.00000 |
| .951 | 15.990 | -.06000 | -.06000 | -.03000 | 2.44400 | -.09000 | -.03000 | -.32500 | -.31800 | 1480.00000 |
| .953 | 17.920 | -.01000 | -.06000 | -.03000 | 2.29500 | -.09000 | -.03000 | -.35800 | -.35200 | 1480.00000 |
| | GRADIENT | .00300 | -.00000 | -.00000 | .58101 | .00000 | -.00000 | .00110 | .00104 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B227) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 459/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.045 | -2.070 | -.05000 | -.06000 | -.03000 | -1.22300 | -.09000 | -.03000 | -.37400 | -.37400 | 1560.00000 |
| 1.050 | -.050 | -.04000 | -.06000 | -.03000 | -.34000 | -.09000 | -.03000 | -.35100 | -.34900 | 1560.00000 |
| 1.048 | 2.000 | -.04000 | -.06000 | -.03000 | .60400 | -.09000 | -.03000 | -.33700 | -.33900 | 1560.00000 |
| 1.046 | 4.010 | -.03000 | -.06000 | -.03000 | 1.38200 | -.09000 | -.03000 | -.34200 | -.34300 | 1560.00000 |
| 1.050 | 6.010 | -.04000 | -.06000 | -.03000 | 1.91900 | -.09000 | -.03000 | -.35200 | -.35400 | 1560.00000 |
| 1.047 | 7.900 | -.05000 | -.06000 | -.03000 | 2.21900 | -.09000 | -.03000 | -.35600 | -.35400 | 1560.00000 |
| 1.047 | 9.950 | -.02000 | -.06000 | -.03000 | 2.37700 | -.09000 | -.03000 | -.36100 | -.36200 | 1560.00000 |
| 1.049 | 12.000 | -.03000 | -.06000 | -.03000 | 2.38400 | -.09000 | -.03000 | -.37800 | -.37600 | 1560.00000 |
| 1.046 | 13.920 | -.03000 | -.06000 | -.03000 | 2.31500 | -.09000 | -.03000 | -.40400 | -.40500 | 1560.00000 |
| 1.049 | 15.950 | -.01000 | -.06000 | -.03000 | 2.21300 | -.09000 | -.03000 | -.43200 | -.43200 | 1560.00000 |
| 1.048 | 17.890 | .00000 | -.06000 | -.03000 | 2.12300 | -.09000 | -.03000 | -.46700 | -.46700 | 1560.00000 |
| | GRADIENT | .00295 | .00000 | .00000 | .43174 | .00000 | .00000 | .00543 | .00508 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B228) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 466/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .902 | -2.110 | 4.18000 | -.06000 | -.03000 | -2.09600 | -.09000 | -.03000 | -.22700 | -.22600 | 1426.00000 |
| .901 | -.070 | 4.20000 | -.06000 | -.03000 | -.65800 | -.09000 | -.03000 | -.22300 | -.22100 | 1426.00000 |
| .902 | 1.950 | 4.20000 | -.06000 | -.03000 | .87800 | -.09000 | -.03000 | -.21700 | -.22200 | 1426.00000 |
| .901 | 3.920 | 4.20000 | -.06000 | -.03000 | 2.11100 | -.09000 | -.03000 | -.21000 | -.20400 | 1426.00000 |
| .903 | 5.950 | 4.22000 | -.06000 | -.03000 | 2.81000 | -.09000 | -.03000 | -.20800 | -.20700 | 1426.00000 |
| .902 | 7.940 | 4.26000 | -.06000 | -.03000 | 3.10800 | -.09000 | -.03000 | -.21100 | -.21600 | 1426.00000 |
| .901 | 10.000 | 4.26000 | -.06000 | -.03000 | 3.11100 | -.09000 | -.03000 | -.22700 | -.22700 | 1426.00000 |
| .899 | 12.030 | 4.31000 | -.06000 | -.03000 | 2.98400 | -.09000 | -.03000 | -.24800 | -.24700 | 1426.00000 |
| .900 | 13.980 | 4.34000 | -.06000 | -.03000 | 2.77800 | -.09000 | -.03000 | -.27300 | -.27100 | 1426.00000 |
| .901 | 16.030 | 4.37000 | -.06000 | -.03000 | 2.58600 | -.09000 | -.03000 | -.28900 | -.29000 | 1426.00000 |
| .900 | 17.990 | 4.39000 | -.06000 | -.03000 | 2.42200 | -.09000 | -.03000 | -.31400 | -.31400 | 1426.00000 |
| | GRADIENT | .00300 | -.00000 | -.00000 | .70414 | -.00000 | -.00000 | .00283 | .00322 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B228) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 461/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -2.040 | 4.17000 | -.06000 | -.03000 | -1.74900 | -.09000 | -.03000 | -.25400 | -.26900 | 1476.00000 |
| .952 | -.050 | 4.19000 | -.06000 | -.03000 | -.60000 | -.09000 | -.03000 | -.25800 | -.25900 | 1476.00000 |
| .952 | 1.990 | 4.16000 | -.06000 | -.03000 | .66100 | -.09000 | -.03000 | -.24800 | -.24300 | 1476.00000 |
| .950 | 3.970 | 4.19000 | -.06000 | -.03000 | 1.72600 | -.09000 | -.03000 | -.25100 | -.24800 | 1476.00000 |
| .950 | 5.960 | 4.20000 | -.06000 | -.03000 | 2.44200 | -.09000 | -.03000 | -.24500 | -.24900 | 1476.00000 |
| .949 | 7.930 | 4.22000 | -.06000 | -.03000 | 2.81300 | -.09000 | -.03000 | -.24200 | -.25100 | 1476.00000 |
| .949 | 9.890 | 4.23000 | -.06000 | -.03000 | 2.91500 | -.09000 | -.03000 | -.25000 | -.25300 | 1476.00000 |
| .950 | 11.950 | 4.27000 | -.06000 | -.03000 | 2.82200 | -.09000 | -.03000 | -.27600 | -.28000 | 1476.00000 |
| .953 | 13.960 | 4.29000 | -.06000 | -.03000 | 2.64900 | -.09000 | -.03000 | -.32500 | -.32300 | 1476.00000 |
| .952 | 17.970 | 4.30000 | -.06000 | -.03000 | 2.32600 | -.09000 | -.03000 | -.37700 | -.37900 | 1476.00000 |
| | GRADIENT | .00146 | -.00000 | -.00000 | .58234 | .00000 | -.00000 | .00095 | .00395 | .00000 |

RUN NO. 458/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.060 | 4.18000 | -.06000 | -.03000 | -1.21500 | -.09000 | -.03000 | -.39800 | -.39800 | 1562.00000 |
| 1.051 | -.030 | 4.20000 | -.06000 | -.03000 | -.35600 | -.09000 | -.03000 | -.38400 | -.38300 | 1562.00000 |
| 1.047 | 2.020 | 4.17000 | -.06000 | -.03000 | .57100 | -.09000 | -.03000 | -.38500 | -.38400 | 1562.00000 |
| 1.048 | 3.910 | 4.16000 | -.06000 | -.03000 | 1.31100 | -.09000 | -.03000 | -.38600 | -.38500 | 1562.00000 |
| 1.048 | 5.950 | 4.21000 | -.06000 | -.03000 | 1.85500 | -.09000 | -.03000 | -.41100 | -.40700 | 1562.00000 |
| 1.049 | 7.870 | 4.22000 | -.06000 | -.03000 | 2.15600 | -.09000 | -.03000 | -.42900 | -.43200 | 1562.00000 |
| 1.047 | 9.960 | 4.24000 | -.06000 | -.03000 | 2.31900 | -.09000 | -.03000 | -.42900 | -.43000 | 1562.00000 |
| 1.049 | 12.030 | 4.29000 | -.06000 | -.03000 | 2.36600 | -.09000 | -.03000 | -.42500 | -.42300 | 1562.00000 |
| 1.047 | 13.990 | 4.31000 | -.06000 | -.03000 | 2.31100 | -.09000 | -.03000 | -.44100 | -.44000 | 1562.00000 |
| 1.049 | 16.020 | 4.33000 | -.06000 | -.03000 | 2.22400 | -.09000 | -.03000 | -.46400 | -.46100 | 1562.00000 |
| 1.047 | 17.950 | 4.35000 | -.06000 | -.03000 | 2.11700 | -.09000 | -.03000 | -.48300 | -.48000 | 1562.00000 |
| | GRADIENT | -.00449 | .00000 | .00000 | .42629 | .00000 | .00000 | .00177 | .00192 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B229) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 467/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .903 | -6.330 | 5.00000 | -.06000 | -.03000 | 2.61000 | -.09000 | -.03000 | -.22000 | -.22000 | 1427.00000 |
| .902 | -4.240 | 4.98000 | -.06000 | -.03000 | 2.61900 | -.09000 | -.03000 | -.20000 | -.19900 | 1427.00000 |
| .901 | -3.200 | 4.98000 | -.06000 | -.03000 | 2.62000 | -.09000 | -.03000 | -.19400 | -.19600 | 1427.00000 |
| .900 | -2.140 | 4.98000 | -.06000 | -.03000 | 2.61100 | -.09000 | -.03000 | -.19200 | -.18700 | 1427.00000 |
| .900 | -1.090 | 4.98000 | -.06000 | -.03000 | 2.55100 | -.09000 | -.03000 | -.18500 | -.18500 | 1427.00000 |
| .902 | .000 | 4.93000 | -.06000 | -.03000 | 2.52700 | -.09000 | -.03000 | -.19000 | -.19100 | 1427.00000 |
| .900 | 1.020 | 4.96000 | -.06000 | -.03000 | 2.56300 | -.09000 | -.03000 | -.19600 | -.19900 | 1427.00000 |
| .900 | 2.090 | 4.94000 | -.06000 | -.03000 | 2.55700 | -.09000 | -.03000 | -.20200 | -.20000 | 1427.00000 |
| .902 | 3.130 | 4.95000 | -.06000 | -.03000 | 2.55400 | -.09000 | -.03000 | -.19300 | -.20000 | 1427.00000 |
| .901 | 4.170 | 4.94000 | -.06000 | -.03000 | 2.54600 | -.09000 | -.03000 | -.20300 | -.21200 | 1427.00000 |
| .900 | 6.250 | 4.92000 | -.06000 | -.03000 | 2.46700 | -.09000 | -.03000 | -.21900 | -.22200 | 1427.00000 |
| .900 | 8.340 | 4.93000 | -.06000 | -.03000 | 2.45100 | -.09000 | -.03000 | -.26500 | -.26600 | 1427.00000 |
| | GRADIENT | -.00556 | .00000 | .00000 | -.00929 | .00000 | .00000 | -.00063 | -.00164 | -.00000 |

RUN NO. 462/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -6.320 | 5.06000 | -.06000 | -.03000 | 2.20400 | -.09000 | -.03000 | -.26400 | -.25400 | 1482.00000 |
| .953 | -4.240 | 5.01000 | -.06000 | -.03000 | 2.23400 | -.09000 | -.03000 | -.25000 | -.25000 | 1482.00000 |
| .949 | -3.190 | 5.00000 | -.06000 | -.03000 | 2.24400 | -.09000 | -.03000 | -.23300 | -.23500 | 1482.00000 |
| .951 | -2.130 | 5.01000 | -.06000 | -.03000 | 2.21400 | -.09000 | -.03000 | -.23300 | -.23200 | 1482.00000 |
| .950 | -1.080 | 4.98000 | -.06000 | -.03000 | 2.19700 | -.09000 | -.03000 | -.23500 | -.22900 | 1482.00000 |
| .951 | -.010 | 4.98000 | -.06000 | -.03000 | 2.18700 | -.09000 | -.03000 | -.23100 | -.23500 | 1482.00000 |
| .952 | 1.020 | 5.00000 | -.06000 | -.03000 | 2.19400 | -.09000 | -.03000 | -.22200 | -.23100 | 1482.00000 |
| .952 | 2.090 | 4.99000 | -.06000 | -.03000 | 2.21300 | -.09000 | -.03000 | -.23900 | -.24100 | 1482.00000 |
| .948 | 3.100 | 5.00000 | -.06000 | -.03000 | 2.21000 | -.09000 | -.03000 | -.23300 | .00000 | 1482.00000 |
| .951 | 4.160 | 4.99000 | -.06000 | -.03000 | 2.12800 | -.09000 | -.03000 | -.24000 | -.23800 | 1482.00000 |
| .949 | 6.260 | 4.97000 | -.06000 | -.03000 | 2.06400 | -.09000 | -.03000 | -.27200 | -.27000 | 1482.00000 |
| .950 | 8.350 | 4.98000 | -.06000 | -.03000 | 1.99900 | -.09000 | -.03000 | -.30300 | -.30100 | 1482.00000 |
| | GRADIENT | -.00160 | -.00000 | -.00000 | -.00843 | .00000 | -.00000 | .00065 | .01156 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28229) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 457/ 0 RN/L = 8.04 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.051 | -6.320 | 5.11000 | -.06000 | -.03000 | 1.72200 | -.09000 | -.03000 | -.40700 | -.40700 | 1569.00000 |
| 1.050 | -4.240 | 5.07000 | -.06000 | -.03000 | 1.71700 | -.09000 | -.03000 | -.37000 | -.37200 | 1569.00000 |
| 1.049 | -3.190 | 5.06000 | -.06000 | -.03000 | 1.71100 | -.09000 | -.03000 | -.35800 | -.35800 | 1569.00000 |
| 1.049 | -2.140 | 5.06000 | -.06000 | -.03000 | 1.70700 | -.09000 | -.03000 | -.34500 | -.34500 | 1569.00000 |
| 1.048 | -1.090 | 5.02000 | -.06000 | -.03000 | 1.69100 | -.09000 | -.03000 | -.34000 | -.34200 | 1569.00000 |
| 1.049 | .000 | 4.95000 | -.06000 | -.03000 | 1.66700 | -.09000 | -.03000 | -.34600 | -.34600 | 1569.00000 |
| 1.048 | 1.020 | 4.96000 | -.06000 | -.03000 | 1.66800 | -.09000 | -.03000 | -.34800 | -.34900 | 1569.00000 |
| 1.049 | 2.090 | 4.95000 | -.06000 | -.03000 | 1.66000 | -.09000 | -.03000 | -.35800 | -.35700 | 1569.00000 |
| 1.049 | 3.110 | 4.95000 | -.06000 | -.03000 | 1.64800 | -.09000 | -.03000 | -.37600 | -.37800 | 1569.00000 |
| 1.049 | 4.170 | 4.95000 | -.06000 | -.03000 | 1.63100 | -.09000 | -.03000 | -.39200 | -.39200 | 1569.00000 |
| 1.047 | 6.270 | 4.93000 | -.06000 | -.03000 | 1.59100 | -.09000 | -.03000 | -.43200 | -.43200 | 1569.00000 |
| 1.047 | 8.360 | 4.95000 | -.06000 | -.03000 | 1.59000 | -.09000 | -.03000 | -.44700 | -.44900 | 1569.00000 |
| | GRADIENT | -.01730 | .00000 | .00000 | -.01030 | .00000 | .00000 | -.00278 | -.00270 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28230) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 463/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.240 | 14.93000 | -.06000 | -.03000 | 2.59600 | -.09000 | -.03000 | -.32100 | -.30800 | 1476.00000 |
| .951 | -4.170 | 14.98000 | -.06000 | -.03000 | 2.56200 | -.09000 | -.03000 | -.31600 | -.31800 | 1476.00000 |
| .951 | -3.120 | 14.96000 | -.06000 | -.03000 | 2.56400 | -.09000 | -.03000 | -.31400 | -.30600 | 1476.00000 |
| .950 | -2.070 | 14.96000 | -.06000 | -.03000 | 2.54200 | -.09000 | -.03000 | -.30600 | -.29400 | 1476.00000 |
| .950 | -1.030 | 14.94000 | -.06000 | -.03000 | 2.54300 | -.09000 | -.03000 | -.30900 | -.29400 | 1476.00000 |
| .951 | .050 | 14.97000 | -.06000 | -.03000 | 2.52000 | -.09000 | -.03000 | -.30800 | -.30500 | 1476.00000 |
| .949 | 2.140 | 14.95000 | -.06000 | -.03000 | 2.54900 | -.09000 | -.03000 | -.31100 | -.31800 | 1476.00000 |
| .952 | 3.110 | 14.98000 | -.06000 | -.03000 | 2.54600 | -.09000 | -.03000 | -.32400 | -.32800 | 1476.00000 |
| .951 | 4.180 | 14.98000 | -.06000 | -.03000 | 2.56000 | -.09000 | -.03000 | -.33600 | -.32300 | 1476.00000 |
| .951 | 6.320 | 14.98000 | -.06000 | -.03000 | 2.56700 | -.09000 | -.03000 | -.34500 | -.34300 | 1476.00000 |
| .951 | 8.420 | 14.98000 | -.06000 | -.03000 | 2.60900 | -.09000 | -.03000 | -.34100 | -.34000 | 1476.00000 |
| | GRADIENT | .00104 | -.00000 | -.00000 | -.00071 | .00000 | -.00000 | -.00205 | -.00244 | .00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A2B231) ( 27 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = -3.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 464/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -6.240 | 14.96000 | -.06000 | -.03000 | 2.58700 | -.09000 | -.03000 | -.33300 | -.32400 | 1477.00000 |
| .951 | -4.240 | 14.95000 | -.06000 | -.03000 | 2.57200 | -.09000 | -.03000 | -.30100 | -.30200 | 1477.00000 |
| .951 | -3.190 | 14.95000 | -.06000 | -.03000 | 2.56000 | -.09000 | -.03000 | -.29800 | -.29500 | 1477.00000 |
| .952 | -2.160 | 14.95000 | -.06000 | -.03000 | 2.54400 | -.09000 | -.03000 | -.31000 | -.30200 | 1477.00000 |
| .952 | -1.100 | 14.97000 | -.06000 | -.03000 | 2.53600 | -.09000 | -.03000 | -.29500 | -.31400 | 1477.00000 |
| .950 | 1.020 | 14.99000 | -.06000 | -.03000 | 2.53900 | -.09000 | -.03000 | -.30400 | -.30800 | 1477.00000 |
| .952 | 2.100 | 15.02000 | -.06000 | -.03000 | 2.53600 | -.09000 | -.03000 | -.31700 | -.32500 | 1477.00000 |
| .951 | 3.170 | 15.01000 | -.06000 | -.03000 | 2.55000 | -.09000 | -.03000 | -.33400 | -.33100 | 1477.00000 |
| .950 | 4.240 | 15.00000 | -.06000 | -.03000 | 2.56500 | -.09000 | -.03000 | -.33200 | -.33800 | 1477.00000 |
| .952 | 6.360 | 15.00000 | -.06000 | -.03000 | 2.56000 | -.09000 | -.03000 | -.34900 | -.34500 | 1477.00000 |
| .949 | 8.430 | 14.99000 | -.06000 | -.03000 | 2.60400 | -.09000 | -.03000 | -.32900 | -.33600 | 1477.00000 |
| | GRADIENT | .00849 | .00000 | .00000 | -.00109 | .00000 | .00000 | -.00402 | -.00459 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B232) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 485/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.980 | -.03000 | -.06000 | -.03000 | -1.86400 | -.09000 | -.03000 | -.24600 | -.25000 | 871.40000 |
| .596 | .000 | -.03000 | -.06000 | -.03000 | -.80100 | -.09000 | -.03000 | -.24000 | -.24200 | 871.40000 |
| .596 | 1.970 | -.02000 | -.06000 | -.03000 | .42200 | -.09000 | -.03000 | -.23300 | -.23300 | 871.40000 |
| .597 | 3.930 | -.02000 | -.06000 | -.03000 | 1.64300 | -.09000 | -.03000 | -.22700 | -.22800 | 871.40000 |
| .596 | 5.950 | -.02000 | -.06000 | -.03000 | 2.78000 | -.09000 | -.03000 | -.23100 | -.22900 | 871.40000 |
| .596 | 7.940 | -.03000 | -.06000 | -.03000 | 3.62500 | -.09000 | -.03000 | -.23000 | -.22400 | 871.40000 |
| .596 | 9.950 | -.01000 | -.06000 | -.03000 | 4.09500 | -.09000 | -.03000 | -.22800 | -.22800 | 871.40000 |
| .596 | 11.960 | -.01000 | -.06000 | -.03000 | 4.16400 | -.09000 | -.03000 | -.23300 | -.24100 | 871.40000 |
| .596 | 13.960 | -.01000 | -.06000 | -.03000 | 3.75100 | -.09000 | -.03000 | -.24200 | -.24400 | 871.40000 |
| .596 | 15.960 | -.01000 | -.06000 | -.03000 | 3.25000 | -.09000 | -.03000 | -.25700 | -.25400 | 871.40000 |
| .596 | 17.930 | .01000 | -.06000 | -.03000 | 2.85600 | -.09000 | -.03000 | -.28500 | -.28200 | 871.40000 |
| | GRADIENT | .00203 | .00000 | .00000 | .59610 | .00000 | .00000 | .00325 | .00381 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B232) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 471/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -2.010 | -.06000 | -.06000 | -.03000 | -.86600 | -.09000 | -.03000 | -.37900 | -.38000 | 1426.00000 |
| 1.199 | .010 | -.05000 | -.06000 | -.03000 | -.15300 | -.09000 | -.03000 | -.36900 | -.36700 | 1426.00000 |
| 1.197 | 1.970 | -.05000 | -.06000 | -.03000 | .52100 | -.09000 | -.03000 | -.36300 | -.36400 | 1426.00000 |
| 1.197 | 3.940 | -.05000 | -.06000 | -.03000 | 1.11600 | -.09000 | -.03000 | -.36400 | -.36300 | 1426.00000 |
| 1.197 | 5.890 | -.05000 | -.06000 | -.03000 | 1.56900 | -.09000 | -.03000 | -.36100 | -.36100 | 1426.00000 |
| 1.197 | 7.880 | -.06000 | -.06000 | -.03000 | 1.88900 | -.09000 | -.03000 | -.36800 | -.36800 | 1426.00000 |
| 1.198 | 10.000 | -.04000 | -.06000 | -.03000 | 2.08200 | -.09000 | -.03000 | -.37500 | -.37600 | 1426.00000 |
| 1.198 | 11.980 | -.05000 | -.06000 | -.03000 | 2.16500 | -.09000 | -.03000 | -.38100 | -.38200 | 1426.00000 |
| 1.196 | 13.900 | -.04000 | -.06000 | -.03000 | 2.15500 | -.09000 | -.03000 | -.40100 | -.40200 | 1426.00000 |
| 1.199 | 16.010 | -.03000 | -.06000 | -.03000 | 2.08100 | -.09000 | -.03000 | -.42800 | -.42900 | 1426.00000 |
| 1.196 | 17.890 | -.04000 | -.06000 | -.03000 | 2.00300 | -.09000 | -.03000 | -.44400 | -.44500 | 1426.00000 |
| | GRADIENT | .00152 | -.00000 | -.00000 | .33423 | .00000 | -.00000 | .00258 | .00273 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B233) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 486/ 0 RN/L = 7.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -2.000 | 4.08000 | -.06000 | -.03000 | -1.91300 | -.09000 | -.03000 | -.25400 | -.25900 | 872.10000 |
| .596 | -.040 | 4.10000 | -.06000 | -.03000 | -.80600 | -.09000 | -.03000 | -.25800 | -.25400 | 872.10000 |
| .596 | 2.000 | 4.10000 | -.06000 | -.03000 | .48100 | -.09000 | -.03000 | -.25600 | -.25800 | 872.10000 |
| .596 | 3.940 | 4.10000 | -.06000 | -.03000 | 1.68100 | -.09000 | -.03000 | -.25700 | -.25900 | 872.10000 |
| .596 | 5.930 | 4.11000 | -.06000 | -.03000 | 2.76800 | -.09000 | -.03000 | -.25400 | -.25200 | 872.10000 |
| .596 | 7.950 | 4.16000 | -.06000 | -.03000 | 3.62100 | -.09000 | -.03000 | -.25600 | -.25300 | 872.10000 |
| .596 | 9.960 | 4.17000 | -.06000 | -.03000 | 4.09100 | -.09000 | -.03000 | -.25300 | -.25200 | 872.10000 |
| .596 | 11.990 | 4.19000 | -.06000 | -.03000 | 4.15300 | -.09000 | -.03000 | -.25700 | -.25900 | 872.10000 |
| .596 | 13.990 | 4.20000 | -.06000 | -.03000 | 3.69400 | -.09000 | -.03000 | -.26300 | -.26800 | 872.10000 |
| .596 | 16.010 | 4.20000 | -.06000 | -.03000 | 3.24100 | -.09000 | -.03000 | -.27500 | -.27700 | 872.10000 |
| .596 | 17.980 | 4.21000 | -.06000 | -.03000 | 2.90900 | -.09000 | -.03000 | -.28900 | -.29100 | 872.10000 |
| | GRADIENT | .00302 | -.00000 | -.00000 | .60775 | .00000 | -.00000 | -.00035 | -.00021 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B233) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 472/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.196 | -2.010 | 4.22000 | -.06000 | -.03000 | -.87000 | -.09000 | -.03000 | -.41800 | -.41700 | 1425.00000 |
| 1.198 | .030 | 4.25000 | -.06000 | -.03000 | -.18100 | -.09000 | -.03000 | -.41400 | -.41400 | 1425.00000 |
| 1.198 | 1.950 | 4.22000 | -.06000 | -.03000 | .46300 | -.09000 | -.03000 | -.40100 | -.40100 | 1425.00000 |
| 1.198 | 3.950 | 4.25000 | -.06000 | -.03000 | 1.06300 | -.09000 | -.03000 | -.40000 | -.40100 | 1425.00000 |
| 1.196 | 5.900 | 4.26000 | -.06000 | -.03000 | 1.52600 | -.09000 | -.03000 | -.40400 | -.40300 | 1425.00000 |
| 1.198 | 7.960 | 4.29000 | -.06000 | -.03000 | 1.84200 | -.09000 | -.03000 | -.41500 | -.41200 | 1425.00000 |
| 1.197 | 10.040 | 4.29000 | -.06000 | -.03000 | 2.03900 | -.09000 | -.03000 | -.42300 | -.42000 | 1425.00000 |
| 1.197 | 11.980 | 4.36000 | -.06000 | -.03000 | 2.10100 | -.09000 | -.03000 | -.43600 | -.43500 | 1425.00000 |
| 1.197 | 13.940 | 4.37000 | -.06000 | -.03000 | 2.11900 | -.09000 | -.03000 | -.44000 | -.43900 | 1425.00000 |
| 1.196 | 16.020 | 4.39000 | -.06000 | -.03000 | 2.07000 | -.09000 | -.03000 | -.44500 | -.44300 | 1425.00000 |
| 1.198 | 17.930 | 4.41000 | -.06000 | -.03000 | 2.00000 | -.09000 | -.03000 | -.45000 | -.44800 | 1425.00000 |
| | GRADIENT | .00309 | -.00000 | -.00000 | .32541 | -.00000 | -.00000 | .00337 | .00307 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B234) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 487/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -6.080 | 10.00000 | -.06000 | -.03000 | 4.23400 | -.09000 | -.03000 | -.24900 | -.24700 | 867.70000 |
| .596 | -4.070 | 9.98000 | -.06000 | -.03000 | 4.20400 | -.09000 | -.03000 | -.22400 | -.22300 | 867.70000 |
| .596 | -3.040 | 9.97000 | -.06000 | -.03000 | 4.16600 | -.09000 | -.03000 | -.22100 | -.22400 | 867.70000 |
| .596 | -2.040 | 9.96000 | -.06000 | -.03000 | 4.14100 | -.09000 | -.03000 | -.22100 | -.22300 | 867.70000 |
| .596 | -1.010 | 9.94000 | -.06000 | -.03000 | 4.11700 | -.09000 | -.03000 | -.22500 | -.22500 | 867.70000 |
| .596 | -.020 | 9.96000 | -.06000 | -.03000 | 4.10300 | -.09000 | -.03000 | -.22900 | -.23400 | 867.70000 |
| .596 | .980 | 9.98000 | -.06000 | -.03000 | 4.08200 | -.09000 | -.03000 | -.23500 | -.23800 | 867.70000 |
| .596 | 2.030 | 10.01000 | -.06000 | -.03000 | 4.07400 | -.09000 | -.03000 | -.24600 | -.24600 | 867.70000 |
| .596 | 3.070 | 10.01000 | -.06000 | -.03000 | 4.04900 | -.09000 | -.03000 | -.25100 | -.24500 | 867.70000 |
| .596 | 4.110 | 10.00000 | -.06000 | -.03000 | 4.06200 | -.09000 | -.03000 | -.25500 | -.25300 | 867.70000 |
| .596 | 6.180 | 9.98000 | -.06000 | -.03000 | 4.07400 | -.09000 | -.03000 | -.26100 | -.26600 | 867.70000 |
| .596 | 8.250 | 10.00000 | -.06000 | -.03000 | 4.11400 | -.09000 | -.03000 | -.27300 | -.27200 | 867.70000 |
| | GRADIENT | .00557 | .00000 | .00000 | -.01776 | -.00000 | .00000 | -.00448 | -.00396 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B234) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 473/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.200 | -6.210 | 10.04000 | -.06000 | -.03000 | 2.12200 | -.09000 | -.03000 | -.40600 | -.40400 | 1446.00000 |
| 1.201 | -4.160 | 10.03000 | -.06000 | -.03000 | 2.11500 | -.09000 | -.03000 | -.39200 | -.39500 | 1446.00000 |
| 1.201 | -3.130 | 10.01000 | -.06000 | -.03000 | 2.10700 | -.09000 | -.03000 | -.38700 | -.38600 | 1446.00000 |
| 1.202 | -2.090 | 9.99000 | -.06000 | -.03000 | 2.10200 | -.09000 | -.03000 | -.37900 | -.37700 | 1446.00000 |
| 1.201 | -1.040 | 9.97000 | -.06000 | -.03000 | 2.09400 | -.09000 | -.03000 | -.37400 | -.37400 | 1446.00000 |
| 1.201 | -.040 | 9.97000 | -.06000 | -.03000 | 2.08100 | -.09000 | -.03000 | -.37100 | -.37200 | 1446.00000 |
| 1.201 | .980 | 10.02000 | -.06000 | -.03000 | 2.07500 | -.09000 | -.03000 | -.38700 | -.38700 | 1446.00000 |
| 1.202 | 2.060 | 10.05000 | -.06000 | -.03000 | 2.07200 | -.09000 | -.03000 | -.40500 | -.40500 | 1446.00000 |
| 1.202 | 3.120 | 10.04000 | -.06000 | -.03000 | 2.05300 | -.09000 | -.03000 | -.41300 | -.41300 | 1446.00000 |
| 1.201 | 4.180 | 10.04000 | -.06000 | -.03000 | 2.03500 | -.09000 | -.03000 | -.42200 | -.42300 | 1446.00000 |
| 1.201 | 6.280 | 10.02000 | -.06000 | -.03000 | 2.01500 | -.09000 | -.03000 | -.42200 | -.42400 | 1446.00000 |
| 1.203 | 8.390 | 10.04000 | -.06000 | -.03000 | 2.00300 | -.09000 | -.03000 | -.44600 | -.44600 | 1446.00000 |
| | GRADIENT | .00482 | -.00000 | -.00000 | -.00899 | -.00000 | -.00000 | -.00424 | -.00422 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B235) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 482/ 0 RN/L = 8.08 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .900 | -1.980 | -.04000 | -.06000 | -.03000 | -1.66400 | -.09000 | -.03000 | -.27100 | -.27600 | 1418.00000 |
| .901 | -.020 | -.03000 | -.06000 | -.03000 | -.58700 | -.09000 | -.03000 | -.26900 | -.26700 | 1418.00000 |
| .900 | 2.040 | -.03000 | -.06000 | -.03000 | .60100 | -.09000 | -.03000 | -.26100 | -.26400 | 1418.00000 |
| .901 | 3.950 | -.03000 | -.06000 | -.03000 | 1.55000 | -.09000 | -.03000 | -.26000 | -.25800 | 1418.00000 |
| .901 | 5.910 | -.03000 | -.06000 | -.03000 | 2.21100 | -.09000 | -.03000 | -.25700 | -.25400 | 1418.00000 |
| .902 | 7.920 | -.04000 | -.06000 | -.03000 | 2.55900 | -.09000 | -.03000 | -.25200 | -.26000 | 1418.00000 |
| .900 | 10.020 | -.02000 | -.06000 | -.03000 | 2.71300 | -.09000 | -.03000 | -.25900 | -.26100 | 1418.00000 |
| .903 | 11.970 | -.02000 | -.06000 | -.03000 | 2.64600 | -.09000 | -.03000 | -.27100 | -.27200 | 1418.00000 |
| .900 | 13.890 | -.02000 | -.06000 | -.03000 | 2.54400 | -.09000 | -.03000 | -.29200 | -.29400 | 1418.00000 |
| .902 | 16.040 | -.01000 | -.06000 | -.03000 | 2.38200 | -.09000 | -.03000 | -.32300 | -.31500 | 1418.00000 |
| .901 | 17.970 | .00000 | -.06000 | -.03000 | 2.25500 | -.09000 | -.03000 | -.36300 | -.36200 | 1418.00000 |
| | GRADIENT | .00151 | .00000 | .00000 | .54579 | .00000 | .00000 | .00207 | .00287 | .00000 |

ARC 200-I 11(LA77) OV101 (A28235) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 477/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -2.000 | -.04000 | -.06000 | -.03000 | -1.44000 | -.09000 | -.03000 | -.31200 | -.31400 | 1465.00000 |
| .949 | -.010 | -.04000 | -.06000 | -.03000 | -.49700 | -.09000 | -.03000 | -.29400 | -.29200 | 1465.00000 |
| .949 | 1.990 | -.05000 | -.06000 | -.03000 | .51300 | -.09000 | -.03000 | -.28100 | -.27800 | 1465.00000 |
| .949 | 3.990 | -.04000 | -.06000 | -.03000 | 1.45400 | -.09000 | -.03000 | -.27900 | -.28400 | 1465.00000 |
| .950 | 5.980 | -.05000 | -.06000 | -.03000 | 2.09700 | -.09000 | -.03000 | -.28400 | -.27000 | 1465.00000 |
| .950 | 7.920 | -.06000 | -.06000 | -.03000 | 2.44200 | -.09000 | -.03000 | -.28200 | -.28500 | 1465.00000 |
| .951 | 9.940 | -.04000 | -.06000 | -.03000 | 2.60200 | -.09000 | -.03000 | -.28600 | -.28700 | 1465.00000 |
| .949 | 11.910 | -.02000 | -.06000 | -.03000 | 2.55800 | -.09000 | -.03000 | -.30800 | -.30600 | 1465.00000 |
| .951 | 13.940 | .00000 | -.06000 | -.03000 | 2.44200 | -.09000 | -.03000 | -.33800 | -.33700 | 1465.00000 |
| .947 | 15.940 | .01000 | -.06000 | -.03000 | 2.33600 | -.09000 | -.03000 | -.35600 | -.35000 | 1465.00000 |
| .951 | 17.950 | -.04000 | -.06000 | -.03000 | 2.20600 | -.09000 | -.03000 | -.38800 | -.38800 | 1465.00000 |
| | GRADIENT | -.00050 | -.00000 | -.00000 | .48533 | .00000 | -.00000 | .00561 | .00520 | .00000 |

RUN NO. 476/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -2.070 | -.08000 | -.06000 | -.03000 | -1.13900 | -.09000 | -.03000 | -.39600 | -.39800 | 1567.00000 |
| 1.048 | .040 | -.06000 | -.06000 | -.03000 | -.33900 | -.09000 | -.03000 | -.38900 | -.39000 | 1567.00000 |
| 1.047 | 2.010 | -.06000 | -.06000 | -.03000 | .44800 | -.09000 | -.03000 | -.38500 | -.38600 | 1567.00000 |
| 1.047 | 4.060 | -.06000 | -.06000 | -.03000 | 1.16000 | -.09000 | -.03000 | -.38900 | -.38800 | 1567.00000 |
| 1.048 | 5.940 | -.06000 | -.06000 | -.03000 | 1.63300 | -.09000 | -.03000 | -.39600 | -.39200 | 1567.00000 |
| 1.048 | 7.920 | -.07000 | -.06000 | -.03000 | 1.94800 | -.09000 | -.03000 | -.40400 | -.40600 | 1567.00000 |
| 1.048 | 9.980 | -.05000 | -.06000 | -.03000 | 2.13100 | -.09000 | -.03000 | -.40900 | -.41000 | 1567.00000 |
| 1.047 | 12.050 | -.05000 | -.06000 | -.03000 | 2.18000 | -.09000 | -.03000 | -.41600 | -.41700 | 1567.00000 |
| 1.046 | 13.960 | -.05000 | -.06000 | -.03000 | 2.15700 | -.09000 | -.03000 | -.43600 | -.43700 | 1567.00000 |
| 1.048 | 15.920 | -.04000 | -.06000 | -.03000 | 2.09200 | -.09000 | -.03000 | -.45800 | -.45800 | 1567.00000 |
| 1.048 | 17.920 | -.04000 | -.06000 | -.03000 | 2.03400 | -.09000 | -.03000 | -.47700 | -.47900 | 1567.00000 |
| | GRADIENT | .00297 | -.00000 | -.00000 | .37738 | .00000 | -.00000 | .00123 | .00168 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B236) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 483/ 0 RN/L = 8.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .901 | -1.930 | 4.16000 | -.06000 | -.03000 | -1.64300 | -.09000 | -.03000 | -.29200 | -.29300 | 1420.00000 |
| .901 | -.020 | 4.18000 | -.06000 | -.03000 | -.63700 | -.09000 | -.03000 | -.28500 | -.28600 | 1420.00000 |
| .902 | 2.060 | 4.18000 | -.06000 | -.03000 | .54400 | -.09000 | -.03000 | -.28100 | -.27800 | 1420.00000 |
| .901 | 3.940 | 4.19000 | -.06000 | -.03000 | 1.49900 | -.09000 | -.03000 | -.28100 | -.27900 | 1420.00000 |
| .900 | 5.910 | 4.20000 | -.06000 | -.03000 | 2.18200 | -.09000 | -.03000 | -.27500 | -.27500 | 1420.00000 |
| .900 | 7.920 | 4.24000 | -.06000 | -.03000 | 2.55900 | -.09000 | -.03000 | -.27900 | -.27800 | 1420.00000 |
| .901 | 10.000 | 4.26000 | -.06000 | -.03000 | 2.67500 | -.09000 | -.03000 | -.27900 | -.28400 | 1420.00000 |
| .898 | 12.040 | 4.30000 | -.06000 | -.03000 | 2.65600 | -.09000 | -.03000 | -.28900 | -.29500 | 1420.00000 |
| .901 | 13.950 | 4.32000 | -.06000 | -.03000 | 2.52600 | -.09000 | -.03000 | -.31100 | -.31800 | 1420.00000 |
| .901 | 16.010 | 4.36000 | -.06000 | -.03000 | 2.40600 | -.09000 | -.03000 | -.33200 | -.33100 | 1420.00000 |
| .901 | 18.000 | 4.38000 | -.06000 | -.03000 | 2.28500 | -.09000 | -.03000 | -.34800 | -.35400 | 1420.00000 |
| | GRADIENT | .00454 | .00000 | .00000 | .53891 | .00000 | .00000 | .00188 | .00255 | -.00000 |

RUN NO. 478/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .952 | -2.050 | 4.24000 | -.06000 | -.03000 | -1.49900 | -.09000 | -.03000 | -.33500 | -.33500 | 1470.00000 |
| .949 | .000 | 4.26000 | -.06000 | -.03000 | -.58000 | -.09000 | -.03000 | -.32600 | -.32700 | 1470.00000 |
| .949 | 2.010 | 4.25000 | -.06000 | -.03000 | .40200 | -.09000 | -.03000 | -.32200 | -.31900 | 1470.00000 |
| .949 | 3.990 | 4.26000 | -.06000 | -.03000 | 1.29400 | -.09000 | -.03000 | -.32400 | -.31400 | 1470.00000 |
| .951 | 5.980 | 4.26000 | -.06000 | -.03000 | 1.96000 | -.09000 | -.03000 | -.31300 | -.32000 | 1470.00000 |
| .951 | 7.930 | 4.29000 | -.06000 | -.03000 | 2.35800 | -.09000 | -.03000 | -.32400 | -.32500 | 1470.00000 |
| .950 | 9.910 | 4.30000 | -.06000 | -.03000 | 2.53900 | -.09000 | -.03000 | -.32400 | -.32300 | 1470.00000 |
| .947 | 11.950 | 4.34000 | -.06000 | -.03000 | 2.54800 | -.09000 | -.03000 | -.32800 | -.34500 | 1470.00000 |
| .949 | 13.980 | 4.36000 | -.06000 | -.03000 | 2.44500 | -.09000 | -.03000 | -.35800 | -.36100 | 1470.00000 |
| .948 | 16.030 | 4.37000 | -.06000 | -.03000 | 2.32000 | -.09000 | -.03000 | -.39200 | -.38300 | 1470.00000 |
| .952 | 18.000 | 4.37000 | -.06000 | -.03000 | 2.19400 | -.09000 | -.03000 | -.41500 | -.43300 | 1470.00000 |
| | GRADIENT | .00249 | -.00000 | -.00000 | .46502 | .00000 | -.00000 | .00185 | .00353 | .00000 |

ARC 200-1 11(LA77) OV101 (A28236) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 475/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -2.020 | 4.18000 | -.06000 | -.03000 | -1.09100 | -.09000 | -.03000 | -.44800 | -.44900 | 1564.00000 |
| 1.049 | .050 | 4.18000 | -.06000 | -.03000 | -.34000 | -.09000 | -.03000 | -.43300 | -.43300 | 1564.00000 |
| 1.049 | 1.980 | 4.14000 | -.06000 | -.03000 | .39800 | -.09000 | -.03000 | -.43600 | -.43500 | 1564.00000 |
| 1.047 | 3.940 | 4.15000 | -.06000 | -.03000 | 1.05700 | -.09000 | -.03000 | -.44100 | -.44000 | 1564.00000 |
| 1.047 | 5.940 | 4.18000 | -.06000 | -.03000 | 1.55330 | -.09000 | -.03000 | -.45000 | -.44700 | 1564.00000 |
| 1.048 | 7.900 | 4.20000 | -.06000 | -.03000 | 1.86900 | -.09000 | -.03000 | -.46000 | -.45900 | 1564.00000 |
| 1.046 | 10.010 | 4.22000 | -.06000 | -.03000 | 2.04800 | -.09000 | -.03000 | -.46900 | -.46900 | 1564.00000 |
| 1.049 | 12.090 | 4.26000 | -.06000 | -.03000 | 2.13700 | -.09000 | -.03000 | -.47400 | -.47500 | 1564.00000 |
| 1.046 | 14.030 | 4.29000 | -.06000 | -.03000 | 2.13200 | -.09000 | -.03000 | -.48200 | -.48100 | 1564.00000 |
| 1.049 | 15.990 | 4.31000 | -.06000 | -.03000 | 2.10300 | -.09000 | -.03000 | -.48200 | -.48400 | 1564.00000 |
| 1.048 | 17.990 | 4.33000 | -.06000 | -.03000 | 2.02600 | -.09000 | -.03000 | -.48600 | -.48600 | 1564.00000 |
| | GRADIENT | -.00654 | -.00000 | -.00000 | .36256 | .00000 | -.00000 | .00094 | .00130 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28237) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 484/ 0 RN/L = 8.06 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .902 | -6.330 | 5.02000 | -.06000 | -.03000 | 2.09600 | -.09000 | -.03000 | -.24000 | -.23800 | 1421.00000 |
| .900 | -4.260 | 4.97000 | -.06000 | -.03000 | 2.03900 | -.09000 | -.03000 | -.24200 | -.24200 | 1421.00000 |
| .901 | -3.210 | 4.97000 | -.06000 | -.03000 | 2.03700 | -.09000 | -.03000 | -.24300 | -.24500 | 1421.00000 |
| .900 | -2.150 | 4.97000 | -.06000 | -.03000 | 2.00400 | -.09000 | -.03000 | -.24900 | -.25100 | 1421.00000 |
| .900 | -1.100 | 4.94000 | -.06000 | -.03000 | 1.97800 | -.09000 | -.03000 | -.25100 | -.25100 | 1421.00000 |
| .901 | -.020 | 4.94000 | -.06000 | -.03000 | 1.94100 | -.09000 | -.03000 | -.25000 | -.25300 | 1421.00000 |
| .900 | 1.000 | 4.97000 | -.06000 | -.03000 | 1.94800 | -.09000 | -.03000 | -.26100 | -.26200 | 1421.00000 |
| .901 | 2.080 | 4.96000 | -.06000 | -.03000 | 1.94700 | -.09000 | -.03000 | -.26500 | -.26600 | 1421.00000 |
| .899 | 3.110 | 4.96000 | -.06000 | -.03000 | 1.92900 | -.09000 | -.03000 | -.26500 | -.27000 | 1421.00000 |
| .902 | 4.160 | 4.94000 | -.06000 | -.03000 | 1.89100 | -.09000 | -.03000 | -.27700 | -.27500 | 1421.00000 |
| .900 | 6.260 | 4.92000 | -.06000 | -.03000 | 1.83300 | -.09000 | -.03000 | -.29500 | -.30400 | 1421.00000 |
| .902 | 8.350 | 4.95000 | -.06000 | -.03000 | 1.77500 | -.09000 | -.03000 | -.33700 | -.33500 | 1421.00000 |
| | GRADIENT | -.00222 | .00000 | .00000 | -.01678 | .00000 | .00000 | -.00392 | -.00392 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B237) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 479/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .951 | -6.330 | 5.00000 | -.06000 | -.03000 | 1.82100 | -.09000 | -.03000 | -.27700 | -.27500 | 1468.00000 |
| .948 | -4.250 | 4.96000 | -.06000 | -.03000 | 1.83700 | -.09000 | -.03000 | -.25400 | -.26200 | 1468.00000 |
| .951 | -3.200 | 4.96000 | -.06000 | -.03000 | 1.81300 | -.09000 | -.03000 | -.26900 | -.27500 | 1468.00000 |
| .948 | -2.150 | 4.96000 | -.06000 | -.03000 | 1.82000 | -.09000 | -.03000 | -.26600 | -.26700 | 1468.00000 |
| .950 | -.030 | 4.94000 | -.06000 | -.03000 | 1.78400 | -.09000 | -.03000 | -.28000 | -.27700 | 1468.00000 |
| .949 | .990 | 4.95000 | -.06000 | -.03000 | 1.76700 | -.09000 | -.03000 | -.28400 | -.28500 | 1468.00000 |
| .951 | 2.070 | 4.94000 | -.06000 | -.03000 | 1.75000 | -.09000 | -.03000 | -.29700 | -.29600 | 1468.00000 |
| .951 | 3.090 | 4.94000 | -.06000 | -.03000 | 1.71100 | -.09000 | -.03000 | -.30500 | -.31200 | 1468.00000 |
| .950 | 4.140 | 4.93000 | -.06000 | -.03000 | 1.64500 | -.09000 | -.03000 | -.32000 | -.31700 | 1468.00000 |
| .948 | 6.250 | 4.91000 | -.06000 | -.03000 | 1.57400 | -.09000 | -.03000 | -.36400 | -.36200 | 1468.00000 |
| .949 | 8.340 | 4.93000 | -.06000 | -.03000 | 1.52000 | -.09000 | -.03000 | -.38800 | -.38500 | 1468.00000 |
| | GRADIENT | -.00352 | -.00000 | -.00000 | -.01962 | -.00000 | -.00000 | -.00702 | -.00627 | .00000 |

RUN NO. 474/ 0 RN/L = 8.05 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -6.340 | 5.07000 | -.06000 | -.03000 | 1.46500 | -.09000 | -.03000 | -.43400 | -.43500 | 1563.00000 |
| 1.048 | -4.260 | 5.02000 | -.06000 | -.03000 | 1.44800 | -.09000 | -.03000 | -.39500 | -.39500 | 1563.00000 |
| 1.049 | -3.220 | 5.02000 | -.06000 | -.03000 | 1.44500 | -.09000 | -.03000 | -.39000 | -.38800 | 1563.00000 |
| 1.047 | -2.160 | 5.01000 | -.06000 | -.03000 | 1.43800 | -.09000 | -.03000 | -.38700 | -.38700 | 1563.00000 |
| 1.049 | -1.110 | 4.99000 | -.06000 | -.03000 | 1.42200 | -.09000 | -.03000 | -.38700 | -.38300 | 1563.00000 |
| 1.049 | -.030 | 4.98000 | -.06000 | -.03000 | 1.41400 | -.09000 | -.03000 | -.39800 | -.39200 | 1563.00000 |
| 1.048 | .990 | 5.01000 | -.06000 | -.03000 | 1.40500 | -.09000 | -.03000 | -.40800 | -.40800 | 1563.00000 |
| 1.049 | 2.060 | 5.00000 | -.06000 | -.03000 | 1.39500 | -.09000 | -.03000 | -.42200 | -.42200 | 1563.00000 |
| 1.050 | 3.090 | 5.00000 | -.06000 | -.03000 | 1.38100 | -.09000 | -.03000 | -.43300 | -.43100 | 1563.00000 |
| 1.049 | 4.150 | 5.00000 | -.06000 | -.03000 | 1.35200 | -.09000 | -.03000 | -.44200 | -.44400 | 1563.00000 |
| 1.049 | 6.240 | 4.99000 | -.06000 | -.03000 | 1.33300 | -.09000 | -.03000 | -.46400 | -.46500 | 1563.00000 |
| 1.050 | 8.350 | 5.02000 | -.06000 | -.03000 | 1.32800 | -.09000 | -.03000 | -.48800 | -.48900 | 1563.00000 |
| | GRADIENT | -.00223 | -.00000 | -.00000 | -.01076 | -.00000 | -.00000 | -.00646 | -.00665 | -.00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B238) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 480/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.250 | 14.75000 | -.06000 | -.03000 | 2.48500 | -.09000 | -.03000 | -.32000 | -.32400 | 1465.00000 |
| .950 | -4.180 | 14.79000 | -.06000 | -.03000 | 2.44900 | -.09000 | -.03000 | -.29600 | -.29400 | 1465.00000 |
| .951 | -3.140 | 14.79000 | -.06000 | -.03000 | 2.43300 | -.09000 | -.03000 | -.31100 | -.30200 | 1465.00000 |
| .950 | -2.090 | 14.77000 | -.06000 | -.03000 | 2.42000 | -.09000 | -.03000 | -.31200 | -.31100 | 1465.00000 |
| .948 | -1.040 | 14.77000 | -.06000 | -.03000 | 2.40900 | -.09000 | -.03000 | -.32300 | -.33100 | 1465.00000 |
| .949 | .030 | 14.78000 | -.06000 | -.03000 | 2.39600 | -.09000 | -.03000 | -.33900 | -.33100 | 1465.00000 |
| .950 | 1.060 | 14.77000 | -.06000 | -.03000 | 2.38800 | -.09000 | -.03000 | -.36400 | -.35600 | 1465.00000 |
| .950 | 2.080 | 14.78000 | -.06000 | -.03000 | 2.38100 | -.09000 | -.03000 | -.37200 | -.37500 | 1465.00000 |
| .950 | 3.110 | 14.79000 | -.06000 | -.03000 | 2.38300 | -.09000 | -.03000 | -.36100 | -.36200 | 1465.00000 |
| .950 | 4.180 | 14.79000 | -.06000 | -.03000 | 2.39700 | -.09000 | -.03000 | -.37500 | -.38600 | 1465.00000 |
| .950 | 6.300 | 14.79000 | -.06000 | -.03000 | 2.39700 | -.09000 | -.03000 | -.38500 | -.38600 | 1465.00000 |
| .950 | 8.410 | 14.82000 | -.06000 | -.03000 | 2.40200 | -.09000 | -.03000 | -.38900 | -.39600 | 1465.00000 |
| | GRADIENT | .00031 | .00000 | .00000 | -.00730 | -.00000 | .00000 | -.01002 | -.01132 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A28239) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -15.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 481/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.250 | 14.77000 | -.06000 | -.03000 | 2.47900 | -.09000 | -.03000 | -.32300 | -.31800 | 1466.00000 |
| .949 | -4.250 | 14.74000 | -.06000 | -.03000 | 2.45100 | -.09000 | -.03000 | -.30200 | -.30700 | 1466.00000 |
| .950 | -3.200 | 14.76000 | -.06000 | -.03000 | 2.43000 | -.09000 | -.03000 | -.31300 | -.30700 | 1466.00000 |
| .951 | -2.160 | 14.76000 | -.06000 | -.03000 | 2.41200 | -.09000 | -.03000 | -.30900 | -.30900 | 1466.00000 |
| .948 | -1.110 | 14.75000 | -.06000 | -.03000 | 2.40600 | -.09000 | -.03000 | -.32400 | -.32100 | 1466.00000 |
| .951 | -.050 | 14.80000 | -.06000 | -.03000 | 2.39400 | -.09000 | -.03000 | -.34000 | -.34000 | 1466.00000 |
| .948 | 1.000 | 14.82000 | -.06000 | -.03000 | 2.38500 | -.09000 | -.03000 | -.35000 | -.34300 | 1466.00000 |
| .950 | 2.080 | 14.81000 | -.06000 | -.03000 | 2.38300 | -.09000 | -.03000 | -.37100 | -.37400 | 1466.00000 |
| .950 | 3.140 | 14.84000 | -.06000 | -.03000 | 2.37400 | -.09000 | -.03000 | -.34700 | -.34000 | 1466.00000 |
| .950 | 4.210 | 14.84000 | -.06000 | -.03000 | 2.38600 | -.09000 | -.03000 | -.35200 | -.34500 | 1466.00000 |
| .950 | 6.340 | 14.82000 | -.06000 | -.03000 | 2.39200 | -.09000 | -.03000 | -.37900 | -.37700 | 1466.00000 |
| .950 | 8.420 | 14.81000 | -.06000 | -.03000 | 2.40600 | -.09000 | -.03000 | -.39600 | -.39600 | 1466.00000 |
| | GRADIENT | .01277 | .00000 | .00000 | -.00798 | .00000 | .00000 | -.00712 | -.00635 | -.00000 |

ARC 200-1 11(LA77) OV101 (A2B240) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 502/ 0 RN/L = 6.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.980 | -.02000 | -.06000 | -.03000 | -1.77100 | -.09000 | -.03000 | -.25900 | -.26000 | 870.30000 |
| .595 | -.040 | -.02000 | -.06000 | -.03000 | -.78100 | -.09000 | -.03000 | -.25600 | -.25400 | 870.30000 |
| .596 | 1.950 | -.01000 | -.06000 | -.03000 | .34900 | -.09000 | -.03000 | -.24200 | -.24900 | 870.30000 |
| .595 | 3.950 | -.02000 | -.06000 | -.03000 | 1.52600 | -.09000 | -.03000 | -.24000 | -.24100 | 870.30000 |
| .596 | 5.940 | -.03000 | -.06000 | -.03000 | 2.56900 | -.09000 | -.03000 | -.24600 | -.24200 | 870.30000 |
| .596 | 7.920 | -.03000 | -.06000 | -.03000 | 3.38100 | -.09000 | -.03000 | -.23900 | -.24100 | 870.30000 |
| .595 | 9.950 | -.01000 | -.06000 | -.03000 | 3.88100 | -.09000 | -.03000 | -.24000 | -.24300 | 870.30000 |
| .596 | 10.970 | -.02000 | -.06000 | -.03000 | 3.97400 | -.09000 | -.03000 | -.24400 | -.24600 | 870.30000 |
| .595 | 11.940 | -.01000 | -.06000 | -.03000 | 3.98500 | -.09000 | -.03000 | -.24700 | -.24700 | 870.30000 |
| .595 | 13.970 | -.01000 | -.06000 | -.03000 | 3.63800 | -.09000 | -.03000 | -.24900 | -.25500 | 870.30000 |
| .595 | 15.960 | -.01000 | -.06000 | -.03000 | 3.17700 | -.09000 | -.03000 | -.26600 | -.26600 | 870.30000 |
| .595 | 17.960 | .00000 | -.06000 | -.03000 | 2.81300 | -.09000 | -.03000 | -.28900 | -.28600 | 870.30000 |
| | GRADIENT | .00050 | .00000 | .00000 | .55730 | -.00000 | .00000 | .00359 | .00314 | .00000 |

RUN NO. 488/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.198 | -1.970 | -.05000 | -.06000 | -.03000 | -.84000 | -.09000 | -.03000 | -.38700 | -.38800 | 1427.00000 |
| 1.198 | -.010 | -.04000 | -.06000 | -.03000 | -.17100 | -.09000 | -.03000 | -.37900 | -.38000 | 1427.00000 |
| 1.198 | 1.960 | -.04000 | -.06000 | -.03000 | .48100 | -.09000 | -.03000 | -.37200 | -.37300 | 1427.00000 |
| 1.198 | 3.960 | -.04000 | -.06000 | -.03000 | 1.06500 | -.09000 | -.03000 | -.36900 | -.36900 | 1427.00000 |
| 1.197 | 5.950 | -.05000 | -.06000 | -.03000 | 1.52200 | -.09000 | -.03000 | -.37200 | -.37100 | 1427.00000 |
| 1.197 | 7.930 | -.06000 | -.06000 | -.03000 | 1.83000 | -.09000 | -.03000 | -.37900 | -.38000 | 1427.00000 |
| 1.197 | 9.940 | -.03000 | -.06000 | -.03000 | 2.01700 | -.09000 | -.03000 | -.38800 | -.38900 | 1427.00000 |
| 1.197 | 11.940 | -.03000 | -.06000 | -.03000 | 2.11300 | -.09000 | -.03000 | -.39100 | -.39100 | 1427.00000 |
| 1.198 | 13.930 | -.03000 | -.06000 | -.03000 | 2.11100 | -.09000 | -.03000 | -.40600 | -.40600 | 1427.00000 |
| 1.197 | 15.940 | -.03000 | -.06000 | -.03000 | 2.05000 | -.09000 | -.03000 | -.43100 | -.43100 | 1427.00000 |
| 1.197 | 17.940 | -.03000 | -.06000 | -.03000 | 1.97400 | -.09000 | -.03000 | -.44700 | -.44700 | 1427.00000 |
| | GRADIENT | .00151 | -.00000 | -.00000 | .32216 | .00000 | -.00000 | .00308 | .00324 | .00000 |

ARC 200-1 11(LA77) OV101 (A28241) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 503/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -2.010 | 4.10000 | -.06000 | -.03000 | -1.78300 | -.09000 | -.03000 | -.26500 | -.26300 | 870.00000 |
| .595 | .000 | 4.12000 | -.06000 | -.03000 | -.73100 | -.09000 | -.03000 | -.26100 | -.26900 | 870.00000 |
| .595 | 1.980 | 4.12000 | -.06000 | -.03000 | .41100 | -.09000 | -.03000 | -.26200 | -.26700 | 870.00000 |
| .595 | 3.930 | 4.12000 | -.06000 | -.03000 | 1.53400 | -.09000 | -.03000 | -.26700 | -.26500 | 870.00000 |
| .595 | 5.970 | 4.14000 | -.06000 | -.03000 | 2.59700 | -.09000 | -.03000 | -.26800 | -.27000 | 870.00000 |
| .594 | 7.930 | 4.18000 | -.06000 | -.03000 | 3.38500 | -.09000 | -.03000 | -.27000 | -.26700 | 870.00000 |
| .595 | 9.940 | 4.19000 | -.06000 | -.03000 | 3.87400 | -.09000 | -.03000 | -.26100 | -.26400 | 870.00000 |
| .595 | 10.990 | 4.20000 | -.06000 | -.03000 | 3.97400 | -.09000 | -.03000 | -.26200 | -.25900 | 870.00000 |
| .595 | 12.000 | 4.20000 | -.06000 | -.03000 | 3.98200 | -.09000 | -.03000 | -.26700 | -.26200 | 870.00000 |
| .595 | 14.000 | 4.21000 | -.06000 | -.03000 | 3.59700 | -.09000 | -.03000 | -.27800 | -.27500 | 870.00000 |
| .595 | 16.010 | 4.22000 | -.06000 | -.03000 | 3.16700 | -.09000 | -.03000 | -.28000 | -.28100 | 870.00000 |
| .594 | 17.990 | 4.23000 | -.06000 | -.03000 | 2.86000 | -.09000 | -.03000 | -.29700 | -.29000 | 870.00000 |
| | GRADIENT | .00305 | -.00000 | -.00000 | .56017 | .00000 | -.00000 | -.00035 | -.00021 | .00000 |

RUN NO. 489/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -1.980 | 4.14000 | -.06000 | -.03000 | -.84200 | -.09000 | -.03000 | -.41600 | -.41700 | 1440.00000 |
| 1.198 | .020 | 4.17000 | -.06000 | -.03000 | -.19400 | -.09000 | -.03000 | -.41200 | -.41300 | 1440.00000 |
| 1.196 | 1.970 | 4.17000 | -.06000 | -.03000 | .43900 | -.09000 | -.03000 | -.41100 | -.40800 | 1440.00000 |
| 1.196 | 3.980 | 4.17000 | -.06000 | -.03000 | 1.02500 | -.09000 | -.03000 | -.40000 | -.40200 | 1440.00000 |
| 1.196 | 5.930 | 4.18000 | -.06000 | -.03000 | 1.47600 | -.09000 | -.03000 | -.40500 | -.40400 | 1440.00000 |
| 1.197 | 7.930 | 4.21000 | -.06000 | -.03000 | 1.78600 | -.09000 | -.03000 | -.41700 | -.41800 | 1440.00000 |
| 1.195 | 9.990 | 4.23000 | -.06000 | -.03000 | 1.98600 | -.09000 | -.03000 | -.43000 | -.43100 | 1440.00000 |
| 1.196 | 11.990 | 4.27000 | -.06000 | -.03000 | 2.05800 | -.09000 | -.03000 | -.43700 | -.43600 | 1440.00000 |
| 1.195 | 13.980 | 4.29000 | -.06000 | -.03000 | 2.08100 | -.09000 | -.03000 | -.44300 | -.44200 | 1440.00000 |
| 1.198 | 15.980 | 4.31000 | -.06000 | -.03000 | 2.04100 | -.09000 | -.03000 | -.44100 | -.44400 | 1440.00000 |
| 1.195 | 17.970 | 4.32000 | -.06000 | -.03000 | 1.97300 | -.09000 | -.03000 | -.44900 | -.44600 | 1440.00000 |
| | GRADIENT | .00454 | -.00000 | -.00000 | .31435 | .00000 | -.00000 | .00248 | .00252 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B242) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 504/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -6.080 | 9.99000 | -.06000 | -.03000 | 4.00000 | -.09000 | -.03000 | -.24800 | -.25200 | 871.00000 |
| .595 | -4.060 | 9.97000 | -.06000 | -.03000 | 3.96200 | -.09000 | -.03000 | -.23700 | -.23300 | 871.00000 |
| .595 | -3.050 | 9.96000 | -.06000 | -.03000 | 3.92600 | -.09000 | -.03000 | -.24000 | -.24000 | 871.00000 |
| .595 | -2.040 | 9.95000 | -.06000 | -.03000 | 3.91000 | -.09000 | -.03000 | -.23500 | -.23800 | 871.00000 |
| .595 | -1.010 | 9.93000 | -.06000 | -.03000 | 3.89700 | -.09000 | -.03000 | -.23400 | -.23500 | 871.00000 |
| .596 | -.020 | 9.93000 | -.06000 | -.03000 | 3.87400 | -.09000 | -.03000 | -.23900 | -.24000 | 871.00000 |
| .595 | .960 | 9.93000 | -.06000 | -.03000 | 3.86900 | -.09000 | -.03000 | -.24800 | -.25000 | 871.00000 |
| .595 | 2.030 | 9.99000 | -.06000 | -.03000 | 3.85300 | -.09000 | -.03000 | -.25500 | -.25600 | 871.00000 |
| .595 | 3.070 | 9.99000 | -.06000 | -.03000 | 3.85200 | -.09000 | -.03000 | -.25500 | -.26000 | 871.00000 |
| .596 | 4.110 | 9.98000 | -.06000 | -.03000 | 3.84700 | -.09000 | -.03000 | -.26400 | -.26800 | 871.00000 |
| .595 | 6.160 | 9.96000 | -.06000 | -.03000 | 3.88500 | -.09000 | -.03000 | -.26500 | -.26900 | 871.00000 |
| .595 | 8.250 | 9.98000 | -.06000 | -.03000 | 3.89600 | -.09000 | -.03000 | -.28600 | -.28100 | 871.00000 |
| | GRADIENT | .00348 | -.00000 | -.00000 | -.01345 | -.00000 | -.00000 | -.00339 | -.00411 | .00000 |

RUN NO. 490/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -6.210 | 10.02000 | -.06000 | -.03000 | 2.05800 | -.09000 | -.03000 | -.40900 | -.40800 | 1441.00000 |
| 1.197 | -4.160 | 10.01000 | -.06000 | -.03000 | 2.05100 | -.09000 | -.03000 | -.39900 | -.39800 | 1441.00000 |
| 1.198 | -3.130 | 9.99000 | -.06000 | -.03000 | 2.04600 | -.09000 | -.03000 | -.39000 | -.39300 | 1441.00000 |
| 1.198 | -2.090 | 9.97000 | -.06000 | -.03000 | 2.03700 | -.09000 | -.03000 | -.38700 | -.38700 | 1441.00000 |
| 1.198 | -1.040 | 9.95000 | -.06000 | -.03000 | 2.03200 | -.09000 | -.03000 | -.38300 | -.38200 | 1441.00000 |
| 1.197 | -.040 | 9.94000 | -.06000 | -.03000 | 2.02100 | -.09000 | -.03000 | -.38500 | -.38700 | 1441.00000 |
| 1.198 | .980 | 9.99000 | -.06000 | -.03000 | 2.01500 | -.09000 | -.03000 | -.40100 | -.39900 | 1441.00000 |
| 1.198 | 2.050 | 10.02000 | -.06000 | -.03000 | 2.01100 | -.09000 | -.03000 | -.41400 | -.41400 | 1441.00000 |
| 1.197 | 3.100 | 10.02000 | -.06000 | -.03000 | 1.99500 | -.09000 | -.03000 | -.41800 | -.41700 | 1441.00000 |
| 1.198 | 4.170 | 10.01000 | -.06000 | -.03000 | 1.97900 | -.09000 | -.03000 | -.42500 | -.42400 | 1441.00000 |
| 1.198 | 6.260 | 10.00000 | -.06000 | -.03000 | 1.96400 | -.09000 | -.03000 | -.43400 | -.43400 | 1441.00000 |
| 1.199 | 8.370 | 10.02000 | -.06000 | -.03000 | 1.95200 | -.09000 | -.03000 | -.45000 | -.44900 | 1441.00000 |
| | GRADIENT | .00371 | -.00000 | -.00000 | -.00819 | -.00000 | -.00000 | -.00418 | -.00397 | .00000 |

ARC 200-1 11(LA77) OV101 (A28243) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 499/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -2.010 | -.04000 | -.06000 | -.03000 | -1.65700 | -.09000 | -.03000 | -.28800 | -.29000 | 1409.00000 |
| .898 | -.030 | -.03000 | -.06000 | -.03000 | -.63100 | -.09000 | -.03000 | -.27800 | -.28000 | 1409.00000 |
| .896 | 1.960 | -.02000 | -.06000 | -.03000 | .44500 | -.09000 | -.03000 | -.27700 | -.27300 | 1409.00000 |
| .898 | 3.950 | -.03000 | -.06000 | -.03000 | 1.43200 | -.09000 | -.03000 | -.27100 | -.27000 | 1409.00000 |
| .898 | 5.930 | -.03000 | -.06000 | -.03000 | 2.08300 | -.09000 | -.03000 | -.26400 | -.26600 | 1409.00000 |
| .897 | 7.950 | -.04000 | -.06000 | -.03000 | 2.45200 | -.09000 | -.03000 | -.26300 | -.26100 | 1409.00000 |
| .898 | 9.940 | -.02000 | -.06000 | -.03000 | 2.61400 | -.09000 | -.03000 | -.26500 | -.26700 | 1409.00000 |
| .897 | 11.910 | -.02000 | -.06000 | -.03000 | 2.58000 | -.09000 | -.03000 | -.27600 | -.27900 | 1409.00000 |
| .897 | 13.980 | -.01000 | -.06000 | -.03000 | 2.48700 | -.09000 | -.03000 | -.30200 | -.30200 | 1409.00000 |
| .897 | 15.950 | .00000 | -.06000 | -.03000 | 2.35900 | -.09000 | -.03000 | -.33100 | -.32500 | 1409.00000 |
| .898 | 17.920 | .00000 | -.06000 | -.03000 | 2.22800 | -.09000 | -.03000 | -.36500 | -.36000 | 1409.00000 |
| | GRADIENT | .00201 | .00000 | .00000 | .52053 | .00000 | .00000 | .00262 | .00337 | .00000 |

RUN NO. 494/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -2.000 | -.05000 | -.06000 | -.03000 | -1.38500 | -.09000 | -.03000 | -.31800 | -.32000 | 1455.00000 |
| .948 | -.030 | -.04000 | -.06000 | -.03000 | -.49400 | -.09000 | -.03000 | -.30400 | -.30900 | 1455.00000 |
| .947 | 1.960 | -.03000 | -.06000 | -.03000 | .49700 | -.09000 | -.03000 | -.29100 | -.29800 | 1455.00000 |
| .949 | 3.960 | -.03000 | -.06000 | -.03000 | 1.36800 | -.09000 | -.03000 | -.28600 | -.28400 | 1455.00000 |
| .948 | 5.950 | -.04000 | -.06000 | -.03000 | 1.99600 | -.09000 | -.03000 | -.28000 | -.27800 | 1455.00000 |
| .947 | 7.910 | -.05000 | -.06000 | -.03000 | 2.37100 | -.09000 | -.03000 | -.28800 | -.29100 | 1455.00000 |
| .947 | 9.930 | -.04000 | -.06000 | -.03000 | 2.52700 | -.09000 | -.03000 | -.29100 | -.29700 | 1455.00000 |
| .946 | 11.950 | -.06000 | -.06000 | -.03000 | 2.49200 | -.09000 | -.03000 | -.31800 | -.31300 | 1455.00000 |
| .949 | 13.950 | -.06000 | -.06000 | -.03000 | 2.39400 | -.09000 | -.03000 | -.33600 | -.33300 | 1455.00000 |
| .948 | 15.940 | -.06000 | -.06000 | -.03000 | 2.29100 | -.09000 | -.03000 | -.36700 | -.37000 | 1455.00000 |
| .948 | 17.930 | -.07000 | -.06000 | -.03000 | 2.17900 | -.09000 | -.03000 | -.38400 | -.38900 | 1455.00000 |
| | GRADIENT | .00352 | -.00000 | -.00000 | .46552 | .00000 | -.00000 | .00548 | .00599 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B243) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 491/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.048 | -1.960 | -.06000 | -.06000 | -.03000 | -1.07100 | -.09000 | -.03000 | -.41400 | -.41900 | 1551.00000 |
| 1.047 | -.010 | -.04000 | -.06000 | -.03000 | -.35400 | -.09000 | -.03000 | -.40900 | -.40600 | 1551.00000 |
| 1.048 | 2.010 | -.04000 | -.06000 | -.03000 | .41600 | -.09000 | -.03000 | -.40400 | -.40500 | 1551.00000 |
| 1.047 | 4.000 | -.04000 | -.06000 | -.03000 | 1.08300 | -.09000 | -.03000 | -.40600 | -.41000 | 1551.00000 |
| 1.047 | 6.000 | -.04000 | -.06000 | -.03000 | 1.57700 | -.09000 | -.03000 | -.40700 | -.40700 | 1551.00000 |
| 1.048 | 7.910 | -.05000 | -.06000 | -.03000 | 1.87100 | -.09000 | -.03000 | -.42200 | -.41900 | 1551.00000 |
| 1.046 | 9.930 | -.04000 | -.06000 | -.03000 | 2.05200 | -.09000 | -.03000 | -.42600 | -.42700 | 1551.00000 |
| 1.049 | 11.930 | -.04000 | -.06000 | -.03000 | 2.13100 | -.09000 | -.03000 | -.42300 | -.42500 | 1551.00000 |
| 1.045 | 13.920 | -.03000 | -.06000 | -.03000 | 2.11400 | -.09000 | -.03000 | -.44300 | -.44400 | 1551.00000 |
| 1.047 | 15.960 | -.03000 | -.06000 | -.03000 | 2.05800 | -.09000 | -.03000 | -.46700 | -.46600 | 1551.00000 |
| 1.048 | 17.940 | -.02000 | -.06000 | -.03000 | 2.01100 | -.09000 | -.03000 | -.48200 | -.48100 | 1551.00000 |
| | GRADIENT | .00300 | -.00000 | -.00000 | .36341 | .00000 | -.00000 | .00146 | .00140 | .00000 |

ARC 200-1 11(LA77) OV101 (A2B244) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 500/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -1.990 | 4.16000 | -.06000 | -.03000 | -1.63100 | -.09000 | -.03000 | -.30400 | -.30600 | 1410.00000 |
| .898 | -.020 | 4.18000 | -.06000 | -.03000 | -.64900 | -.09000 | -.03000 | -.29400 | -.29000 | 1410.00000 |
| .898 | 1.970 | 4.18000 | -.06000 | -.03000 | .41200 | -.09000 | -.03000 | -.28800 | -.29300 | 1410.00000 |
| .899 | 3.940 | 4.19000 | -.06000 | -.03000 | 1.37400 | -.09000 | -.03000 | -.28800 | -.28800 | 1410.00000 |
| .898 | 5.980 | 4.21000 | -.06000 | -.03000 | 2.05900 | -.09000 | -.03000 | -.29100 | -.28500 | 1410.00000 |
| .898 | 7.980 | 4.24000 | -.06000 | -.03000 | 2.43200 | -.09000 | -.03000 | -.28700 | -.29000 | 1410.00000 |
| .899 | 9.930 | 4.26000 | -.06000 | -.03000 | 2.57100 | -.09000 | -.03000 | -.28900 | -.28900 | 1410.00000 |
| .896 | 11.980 | 4.30000 | -.06000 | -.03000 | 2.57600 | -.09000 | -.03000 | -.30300 | -.30500 | 1410.00000 |
| .897 | 14.030 | 4.33000 | -.06000 | -.03000 | 2.46700 | -.09000 | -.03000 | -.32600 | -.32400 | 1410.00000 |
| .898 | 16.020 | 4.36000 | -.06000 | -.03000 | 2.35300 | -.09000 | -.03000 | -.34200 | -.33700 | 1410.00000 |
| .900 | 17.970 | 4.39000 | -.06000 | -.03000 | 2.24800 | -.09000 | -.03000 | -.35200 | -.36000 | 1410.00000 |
| | GRADIENT | .00455 | -.00000 | -.00000 | .50942 | .00000 | -.00000 | .00273 | .00258 | .00000 |

ARC 200-1 11(LA77) OV101 (A28244) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 495/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -2.000 | 4.16000 | -.06000 | -.03000 | -1.46200 | -.09000 | -.03000 | -.35600 | -.36000 | 1458.00000 |
| .949 | -.020 | 4.18000 | -.06000 | -.03000 | -.59800 | -.09000 | -.03000 | -.35100 | -.34800 | 1458.00000 |
| .947 | 1.980 | 4.17000 | -.06000 | -.03000 | .34400 | -.09000 | -.03000 | -.33200 | -.32700 | 1458.00000 |
| .949 | 3.960 | 4.17000 | -.06000 | -.03000 | 1.21100 | -.09000 | -.03000 | -.33600 | -.33000 | 1458.00000 |
| .947 | 5.950 | 4.19000 | -.06000 | -.03000 | 1.87800 | -.09000 | -.03000 | -.33300 | -.33300 | 1458.00000 |
| .948 | 7.940 | 4.21000 | -.06000 | -.03000 | 2.27900 | -.09000 | -.03000 | -.33200 | -.33200 | 1458.00000 |
| .947 | 9.960 | 4.22000 | -.06000 | -.03000 | 2.46200 | -.09000 | -.03000 | -.32600 | -.33300 | 1458.00000 |
| .946 | 11.950 | 4.26000 | -.06000 | -.03000 | 2.48500 | -.09000 | -.03000 | -.34500 | -.35100 | 1458.00000 |
| .949 | 13.970 | 4.28000 | -.06000 | -.03000 | 2.40600 | -.09000 | -.03000 | -.37900 | -.38200 | 1458.00000 |
| .946 | 15.970 | 4.29000 | -.06000 | -.03000 | 2.29200 | -.09000 | -.03000 | -.39200 | -.40100 | 1458.00000 |
| .947 | 18.000 | 4.29000 | -.06000 | -.03000 | 2.17600 | -.09000 | -.03000 | -.42300 | -.42900 | 1458.00000 |
| | GRADIENT | .00100 | -.00000 | -.00000 | .45077 | .00000 | -.00000 | .00398 | .00559 | .00000 |

RUN NO. 492/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.047 | -2.000 | 4.15000 | -.06000 | -.03000 | -1.04700 | -.09000 | -.03000 | -.45900 | -.46000 | 1549.00000 |
| 1.048 | .020 | 4.17000 | -.06000 | -.03000 | -.35000 | -.09000 | -.03000 | -.45000 | -.45300 | 1549.00000 |
| 1.047 | 1.990 | 4.17000 | -.06000 | -.03000 | .36600 | -.09000 | -.03000 | -.45300 | -.45200 | 1549.00000 |
| 1.050 | 3.960 | 4.18000 | -.06000 | -.03000 | 1.02000 | -.09000 | -.03000 | -.44900 | -.44900 | 1549.00000 |
| 1.050 | 5.970 | 4.19000 | -.06000 | -.03000 | 1.50900 | -.09000 | -.03000 | -.45500 | -.45500 | 1549.00000 |
| 1.046 | 7.910 | 4.21000 | -.06000 | -.03000 | 1.80700 | -.09000 | -.03000 | -.46800 | -.46800 | 1549.00000 |
| 1.047 | 9.920 | 4.23000 | -.06000 | -.03000 | 1.99800 | -.09000 | -.03000 | -.47500 | -.47300 | 1549.00000 |
| 1.048 | 11.980 | 4.27000 | -.06000 | -.03000 | 2.08900 | -.09000 | -.03000 | -.47600 | -.47600 | 1549.00000 |
| 1.046 | 13.990 | 4.29000 | -.06000 | -.03000 | 2.09400 | -.09000 | -.03000 | -.48700 | -.48600 | 1549.00000 |
| 1.046 | 15.990 | 4.32000 | -.06000 | -.03000 | 2.06100 | -.09000 | -.03000 | -.49500 | -.49600 | 1549.00000 |
| 1.048 | 17.990 | 4.33000 | -.06000 | -.03000 | 1.99600 | -.09000 | -.03000 | -.50100 | -.50200 | 1549.00000 |
| | GRADIENT | .00454 | -.00000 | -.00000 | .34847 | .00000 | -.00000 | .00137 | .00172 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B245) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 501/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -6.330 | 5.01000 | -.06000 | -.03000 | 1.99400 | -.09000 | -.03000 | -.25500 | -.25600 | 1409.00000 |
| .899 | -4.250 | 4.99000 | -.06000 | -.03000 | 1.90800 | -.09000 | -.03000 | -.25900 | -.25800 | 1409.00000 |
| .899 | -3.210 | 4.97000 | -.06000 | -.03000 | 1.88500 | -.09000 | -.03000 | -.26100 | -.26400 | 1409.00000 |
| .898 | -2.150 | 4.97000 | -.06000 | -.03000 | 1.85500 | -.09000 | -.03000 | -.26100 | -.25700 | 1409.00000 |
| .898 | -1.100 | 4.95000 | -.06000 | -.03000 | 1.82900 | -.09000 | -.03000 | -.26000 | -.26100 | 1409.00000 |
| .899 | -.020 | 4.95000 | -.06000 | -.03000 | 1.79600 | -.09000 | -.03000 | -.26600 | -.27200 | 1409.00000 |
| .899 | 1.000 | 4.98000 | -.06000 | -.03000 | 1.79800 | -.09000 | -.03000 | -.26700 | -.26700 | 1409.00000 |
| .897 | 2.070 | 4.96000 | -.06000 | -.03000 | 1.79000 | -.09000 | -.03000 | -.26900 | -.27400 | 1409.00000 |
| .898 | 3.100 | 4.96000 | -.06000 | -.03000 | 1.78100 | -.09000 | -.03000 | -.27900 | -.27600 | 1409.00000 |
| .899 | 4.160 | 4.95000 | -.06000 | -.03000 | 1.76100 | -.09000 | -.03000 | -.28100 | -.27700 | 1409.00000 |
| .898 | 6.230 | 4.93000 | -.06000 | -.03000 | 1.70700 | -.09000 | -.03000 | -.31300 | -.30900 | 1409.00000 |
| .899 | 8.340 | 4.94000 | -.06000 | -.03000 | 1.67400 | -.09000 | -.03000 | -.35100 | -.35000 | 1409.00000 |
| | GRADIENT | -.00286 | .00000 | .00000 | -.01682 | .00000 | .00000 | -.00261 | -.00241 | -.00000 |

RUN NO. 496/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .948 | -6.320 | 5.03000 | -.06000 | -.03000 | 1.77500 | -.09000 | -.03000 | -.28400 | -.28500 | 1456.00000 |
| .946 | -4.240 | 5.00000 | -.06000 | -.03000 | 1.78200 | -.09000 | -.03000 | -.27500 | -.27800 | 1456.00000 |
| .948 | -3.210 | 4.99000 | -.06000 | -.03000 | 1.75900 | -.09000 | -.03000 | -.27200 | -.26100 | 1456.00000 |
| .948 | -2.150 | 4.99000 | -.06000 | -.03000 | 1.77000 | -.09000 | -.03000 | -.28100 | -.27900 | 1456.00000 |
| .946 | -1.100 | 4.97000 | -.06000 | -.03000 | 1.77100 | -.09000 | -.03000 | -.28800 | -.28800 | 1456.00000 |
| .946 | -.030 | 4.98000 | -.06000 | -.03000 | 1.72600 | -.09000 | -.03000 | -.29100 | -.28300 | 1456.00000 |
| .949 | .990 | 5.00000 | -.06000 | -.03000 | 1.69900 | -.09000 | -.03000 | -.29700 | -.30100 | 1456.00000 |
| .946 | 2.060 | 4.97000 | -.06000 | -.03000 | 1.68700 | -.09000 | -.03000 | -.31600 | -.31100 | 1456.00000 |
| .947 | 3.090 | 4.98000 | -.06000 | -.03000 | 1.63400 | -.09000 | -.03000 | -.30800 | -.30900 | 1456.00000 |
| .947 | 4.140 | 4.96000 | -.06000 | -.03000 | 1.56700 | -.09000 | -.03000 | -.32600 | -.32400 | 1456.00000 |
| .947 | 6.240 | 4.95000 | -.06000 | -.03000 | 1.48700 | -.09000 | -.03000 | -.36500 | -.36900 | 1456.00000 |
| .948 | 8.330 | 4.96000 | -.06000 | -.03000 | 1.44600 | -.09000 | -.03000 | -.40100 | -.39900 | 1456.00000 |
| | GRADIENT | -.00318 | -.00000 | -.00000 | -.02339 | -.00000 | -.00000 | -.00622 | -.00644 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A28245) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 493/ 0 RN/L = 7.97 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -6.350 | 5.05000 | -.06000 | -.03000 | 1.39900 | -.09000 | -.03000 | -.43800 | -.43700 | 1554.00000 |
| 1.047 | -4.260 | 5.01000 | -.06000 | -.03000 | 1.37700 | -.09000 | -.03000 | -.40500 | -.40600 | 1554.00000 |
| 1.047 | -3.220 | 5.00000 | -.06000 | -.03000 | 1.37800 | -.09000 | -.03000 | -.39900 | -.39900 | 1554.00000 |
| 1.047 | -2.170 | 4.99000 | -.06000 | -.03000 | 1.37100 | -.09000 | -.03000 | -.39600 | -.39600 | 1554.00000 |
| 1.049 | -1.120 | 4.97000 | -.06000 | -.03000 | 1.35700 | -.09000 | -.03000 | -.39300 | -.39600 | 1554.00000 |
| 1.047 | -.040 | 4.98000 | -.06000 | -.03000 | 1.34800 | -.09000 | -.03000 | -.40300 | -.40500 | 1554.00000 |
| 1.047 | .980 | 5.00000 | -.06000 | -.03000 | 1.34100 | -.09000 | -.03000 | -.42100 | -.42100 | 1554.00000 |
| 1.047 | 2.060 | 5.00000 | -.06000 | -.03000 | 1.33700 | -.09000 | -.03000 | -.43300 | -.43000 | 1554.00000 |
| 1.048 | 3.080 | 5.00000 | -.06000 | -.03000 | 1.31500 | -.09000 | -.03000 | -.43600 | -.43600 | 1554.00000 |
| 1.049 | 4.150 | 4.99000 | -.06000 | -.03000 | 1.29900 | -.09000 | -.03000 | -.45200 | -.45100 | 1554.00000 |
| 1.047 | 6.230 | 4.98000 | -.06000 | -.03000 | 1.26400 | -.09000 | -.03000 | -.47100 | -.47000 | 1554.00000 |
| 1.048 | 8.330 | 5.00000 | -.06000 | -.03000 | 1.26600 | -.09000 | -.03000 | -.49600 | -.49300 | 1554.00000 |
| | GRADIENT | -.00048 | -.00000 | -.00000 | -.00927 | -.00000 | -.00000 | -.00636 | -.00609 | .00000 |

ARC 200-1 11(LA77) OV101 - TO + BETA (A2B246) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 497/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.250 | 14.93000 | -.06000 | -.03000 | 2.43900 | -.09000 | -.03000 | -.32200 | -.32100 | 1459.00000 |
| .948 | -4.180 | 14.94000 | -.06000 | -.03000 | 2.40000 | -.09000 | -.03000 | -.30300 | -.29900 | 1459.00000 |
| .948 | -3.140 | 14.95000 | -.06000 | -.03000 | 2.38500 | -.09000 | -.03000 | -.32000 | -.30800 | 1459.00000 |
| .948 | -2.090 | 14.95000 | -.06000 | -.03000 | 2.36600 | -.09000 | -.03000 | -.31400 | -.30600 | 1459.00000 |
| .948 | -1.040 | 14.93000 | -.06000 | -.03000 | 2.35500 | -.09000 | -.03000 | -.33700 | -.33400 | 1459.00000 |
| .947 | .020 | 14.93000 | -.06000 | -.03000 | 2.34700 | -.09000 | -.03000 | -.34700 | -.34400 | 1459.00000 |
| .947 | 1.050 | 14.93000 | -.06000 | -.03000 | 2.33700 | -.09000 | -.03000 | -.36100 | -.35900 | 1459.00000 |
| .948 | 2.120 | 14.95000 | -.06000 | -.03000 | 2.33300 | -.09000 | -.03000 | -.37900 | -.38200 | 1459.00000 |
| .947 | 3.110 | 14.94000 | -.06000 | -.03000 | 2.33800 | -.09000 | -.03000 | -.36600 | -.38000 | 1459.00000 |
| .950 | 4.170 | 14.96000 | -.06000 | -.03000 | 2.34200 | -.09000 | -.03000 | -.38600 | -.37800 | 1459.00000 |
| .948 | 6.300 | 14.94000 | -.06000 | -.03000 | 2.35100 | -.09000 | -.03000 | -.39100 | -.38300 | 1459.00000 |
| .950 | 8.420 | 14.97000 | -.06000 | -.03000 | 2.35700 | -.09000 | -.03000 | -.40800 | -.41000 | 1459.00000 |
| | GRADIENT | .00079 | .00000 | .00000 | -.00731 | .00000 | .00000 | -.00997 | -.01132 | -.00000 |

ARC 200-1 11(LA77) OV101 + TO - BETA (A28247) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 498/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -6.250 | 14.94000 | -.06000 | -.03000 | 2.43900 | -.09000 | -.03000 | -.32600 | -.32400 | 1458.00000 |
| .948 | -4.250 | 14.94000 | -.06000 | -.03000 | 2.39800 | -.09000 | -.03000 | -.30800 | -.31200 | 1458.00000 |
| .947 | -3.200 | 14.92000 | -.06000 | -.03000 | 2.38100 | -.09000 | -.03000 | -.31100 | -.32000 | 1458.00000 |
| .948 | -2.160 | 14.92000 | -.06000 | -.03000 | 2.36600 | -.09000 | -.03000 | -.32200 | -.32500 | 1458.00000 |
| .949 | -1.110 | 14.93000 | -.06000 | -.03000 | 2.35400 | -.09000 | -.03000 | -.33400 | -.33400 | 1458.00000 |
| .949 | -.050 | 14.97000 | -.06000 | -.03000 | 2.34400 | -.09000 | -.03000 | -.35200 | -.34600 | 1458.00000 |
| .948 | 1.010 | 15.00000 | -.06000 | -.03000 | 2.33400 | -.09000 | -.03000 | -.36400 | -.36400 | 1458.00000 |
| .947 | 2.060 | 14.96000 | -.06000 | -.03000 | 2.33200 | -.09000 | -.03000 | -.36200 | -.36100 | 1458.00000 |
| .949 | 3.160 | 14.98000 | -.06000 | -.03000 | 2.33500 | -.09000 | -.03000 | -.38800 | -.38600 | 1458.00000 |
| .949 | 4.240 | 15.02000 | -.06000 | -.03000 | 2.33600 | -.09000 | -.03000 | -.35200 | -.36400 | 1458.00000 |
| .944 | 6.370 | 14.97000 | -.06000 | -.03000 | 2.35000 | -.09000 | -.03000 | -.38000 | -.38200 | 1458.00000 |
| .949 | 8.420 | 14.97000 | -.06000 | -.03000 | 2.35700 | -.09000 | -.03000 | -.41200 | -.41600 | 1458.00000 |
| | GRADIENT | .01024 | .00000 | .00000 | -.00743 | .00000 | .00000 | -.00811 | -.00798 | -.00000 |

ARC 200-1 11(LA77) OV101 OMS OFF (A2B248) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 519/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -2.010 | -.03000 | -.06000 | -.03000 | -1.70700 | -.09000 | -.03000 | -.26600 | -.26100 | 870.60000 |
| .596 | -.060 | -.02000 | -.06000 | -.03000 | -.46400 | -.09000 | -.03000 | -.26700 | -.26500 | 870.60000 |
| .597 | 1.940 | -.02000 | -.06000 | -.03000 | .92600 | -.09000 | -.03000 | -.26400 | -.26000 | 870.60000 |
| .596 | 3.970 | -.02000 | -.06000 | -.03000 | 2.27200 | -.09000 | -.03000 | -.26900 | -.26200 | 870.60000 |
| .596 | 6.000 | -.03000 | -.06000 | -.03000 | 3.39800 | -.09000 | -.03000 | -.27200 | -.27200 | 870.60000 |
| .597 | 7.890 | -.03000 | -.06000 | -.03000 | 4.10900 | -.09000 | -.03000 | -.27400 | -.27400 | 870.60000 |
| .596 | 9.890 | -.01000 | -.06000 | -.03000 | 4.44800 | -.09000 | -.03000 | -.28000 | -.28200 | 870.60000 |
| .596 | 10.940 | -.02000 | -.06000 | -.03000 | 4.46000 | -.09000 | -.03000 | -.29000 | -.29000 | 870.60000 |
| .596 | 11.970 | -.02000 | -.06000 | -.03000 | 4.39100 | -.09000 | -.03000 | -.29100 | -.29300 | 870.60000 |
| .596 | 13.970 | -.01000 | -.06000 | -.03000 | 3.74400 | -.09000 | -.03000 | -.29700 | -.29500 | 870.60000 |
| .596 | 15.920 | -.01000 | -.06000 | -.03000 | 3.23700 | -.09000 | -.03000 | -.31700 | -.32600 | 870.60000 |
| .597 | 17.910 | .00000 | -.06000 | -.03000 | 2.84200 | -.09000 | -.03000 | -.35100 | -.35100 | 870.60000 |
| | GRADIENT | .00149 | -.00000 | -.00000 | .66841 | .00000 | -.00000 | -.00030 | .00010 | .00000 |

RUN NO. 505/ 0 RN/L = 7.07 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.197 | -2.010 | -.05000 | -.06000 | -.03000 | -.46700 | -.09000 | -.03000 | -.40000 | -.39900 | 1426.00000 |
| 1.197 | -.060 | -.04000 | -.06000 | -.03000 | .23500 | -.09000 | -.03000 | -.40500 | -.39800 | 1426.00000 |
| 1.197 | 2.020 | -.03000 | -.06000 | -.03000 | .94400 | -.09000 | -.03000 | -.38600 | -.38400 | 1426.00000 |
| 1.196 | 3.980 | -.04000 | -.06000 | -.03000 | 1.49700 | -.09000 | -.03000 | -.37700 | -.37600 | 1426.00000 |
| 1.197 | 5.930 | -.05000 | -.06000 | -.03000 | 1.90300 | -.09000 | -.03000 | -.36600 | -.37000 | 1426.00000 |
| 1.195 | 7.920 | -.05000 | -.06000 | -.03000 | 2.14700 | -.09000 | -.03000 | -.38200 | -.38100 | 1426.00000 |
| 1.198 | 9.940 | -.03000 | -.06000 | -.03000 | 2.30000 | -.09000 | -.03000 | -.39300 | -.39000 | 1426.00000 |
| 1.196 | 11.920 | -.04000 | -.06000 | -.03000 | 2.31500 | -.09000 | -.03000 | -.41100 | -.41400 | 1426.00000 |
| 1.197 | 13.930 | -.03000 | -.06000 | -.03000 | 2.26000 | -.09000 | -.03000 | -.43600 | -.43700 | 1426.00000 |
| 1.197 | 15.920 | -.03000 | -.06000 | -.03000 | 2.17000 | -.09000 | -.03000 | -.45900 | -.45700 | 1426.00000 |
| 1.196 | 17.900 | -.03000 | -.06000 | -.03000 | 2.07400 | -.09000 | -.03000 | -.46800 | -.46600 | 1426.00000 |
| | GRADIENT | .00200 | .00000 | .00000 | .32926 | .00000 | .00000 | .00441 | .00415 | .00000 |

ARC 200-1 11(LA77) OV101 OMS OFF (A2B249) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 520/ 0 RN/L = 6.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -1.980 | 4.09000 | -.06000 | -.03000 | -1.71100 | -.09000 | -.03000 | -.28200 | -.29200 | 871.20000 |
| .596 | -.020 | 4.12000 | -.06000 | -.03000 | -.42000 | -.09000 | -.03000 | -.29000 | -.28500 | 871.20000 |
| .596 | 1.990 | 4.11000 | -.06000 | -.03000 | 1.02400 | -.09000 | -.03000 | -.28300 | -.28100 | 871.20000 |
| .597 | 3.950 | 4.12000 | -.06000 | -.03000 | 2.37100 | -.09000 | -.03000 | -.28100 | -.28500 | 871.20000 |
| .596 | 5.970 | 4.13000 | -.06000 | -.03000 | 3.51100 | -.09000 | -.03000 | -.26400 | -.27100 | 871.20000 |
| .596 | 7.950 | 4.18000 | -.06000 | -.03000 | 4.22100 | -.09000 | -.03000 | -.27700 | -.27000 | 871.20000 |
| .596 | 9.970 | 4.19000 | -.06000 | -.03000 | 4.54900 | -.09000 | -.03000 | -.27000 | -.27600 | 871.20000 |
| .596 | 10.990 | 4.20000 | -.06000 | -.03000 | 4.55900 | -.09000 | -.03000 | -.28300 | -.28600 | 871.20000 |
| .596 | 12.010 | 4.23000 | -.06000 | -.03000 | 4.48100 | -.09000 | -.03000 | -.27500 | -.28100 | 871.20000 |
| .596 | 14.080 | 4.22000 | -.06000 | -.03000 | 3.76000 | -.09000 | -.03000 | -.28400 | -.28300 | 871.20000 |
| .597 | 16.000 | 4.22000 | -.06000 | -.03000 | 3.28800 | -.09000 | -.03000 | -.28500 | -.28300 | 871.20000 |
| .596 | 17.980 | 4.23000 | -.06000 | -.03000 | 2.90200 | -.09000 | -.03000 | -.31200 | -.31800 | 871.20000 |
| | GRADIENT | .00403 | -.00000 | -.00000 | .69146 | -.00000 | -.00000 | .00051 | .00126 | .00000 |

RUN NO. 506/ 0 RN/L = 6.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.195 | -2.020 | 4.15000 | -.06000 | -.03000 | -.50900 | -.09000 | -.03000 | -.40600 | -.40600 | 1423.00000 |
| 1.198 | -.070 | 4.17000 | -.06000 | -.03000 | .20400 | -.09000 | -.03000 | -.39900 | -.40100 | 1423.00000 |
| 1.197 | 1.970 | 4.17000 | -.06000 | -.03000 | .90200 | -.09000 | -.03000 | -.39800 | -.39900 | 1423.00000 |
| 1.196 | 3.940 | 4.17000 | -.06000 | -.03000 | 1.46200 | -.09000 | -.03000 | -.40200 | -.40100 | 1423.00000 |
| 1.197 | 5.950 | 4.19000 | -.06000 | -.03000 | 1.88400 | -.09000 | -.03000 | -.40000 | -.40000 | 1423.00000 |
| 1.196 | 7.910 | 4.21000 | -.06000 | -.03000 | 2.13700 | -.09000 | -.03000 | -.40500 | -.40500 | 1423.00000 |
| 1.197 | 9.950 | 4.23000 | -.06000 | -.03000 | 2.28400 | -.09000 | -.03000 | -.41100 | -.41100 | 1423.00000 |
| 1.197 | 11.970 | 4.27000 | -.06000 | -.03000 | 2.29700 | -.09000 | -.03000 | -.43500 | -.43200 | 1423.00000 |
| 1.196 | 13.980 | 4.29000 | -.06000 | -.03000 | 2.26400 | -.09000 | -.03000 | -.44200 | -.44000 | 1423.00000 |
| 1.196 | 15.970 | 4.30000 | -.06000 | -.03000 | 2.17400 | -.09000 | -.03000 | -.44900 | -.44900 | 1423.00000 |
| 1.197 | 17.930 | 4.32000 | -.06000 | -.03000 | 2.06700 | -.09000 | -.03000 | -.46500 | -.46200 | 1423.00000 |
| | GRADIENT | .00300 | -.00000 | -.00000 | .33187 | .00000 | -.00000 | .00065 | .00085 | .00000 |

ARC 200-1 11(LA77) OV101 OMS OFF - TO + BETA (A2B250) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 7.000

RUN NO. 521/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .596 | -6.080 | 10.00000 | -.06000 | -.03000 | 4.66500 | -.09000 | -.03000 | -.23600 | -.23000 | 871.50000 |
| .597 | -4.060 | 9.98000 | -.06000 | -.03000 | 4.54300 | -.09000 | -.03000 | -.24600 | -.24900 | 871.50000 |
| .596 | -3.040 | 9.97000 | -.06000 | -.03000 | 4.49900 | -.09000 | -.03000 | -.25400 | -.25500 | 871.50000 |
| .596 | -2.040 | 9.96000 | -.06000 | -.03000 | 4.47500 | -.09000 | -.03000 | -.26000 | -.26900 | 871.50000 |
| .597 | -1.010 | 9.95000 | -.06000 | -.03000 | 4.45200 | -.09000 | -.03000 | -.27500 | -.27000 | 871.50000 |
| .596 | -.020 | 9.93000 | -.06000 | -.03000 | 4.44700 | -.09000 | -.03000 | -.28300 | -.28400 | 871.50000 |
| .597 | .980 | 9.97000 | -.06000 | -.03000 | 4.45800 | -.09000 | -.03000 | -.28400 | -.29100 | 871.50000 |
| .596 | 2.030 | 10.01000 | -.06000 | -.03000 | 4.48500 | -.09000 | -.03000 | -.29500 | -.29300 | 871.50000 |
| .596 | 3.050 | 10.00000 | -.06000 | -.03000 | 4.50400 | -.09000 | -.03000 | -.28100 | -.28400 | 871.50000 |
| .595 | 4.110 | 10.00000 | -.06000 | -.03000 | 4.51500 | -.09000 | -.03000 | -.27300 | -.27600 | 871.50000 |
| .596 | 6.180 | 9.98000 | -.06000 | -.03000 | 4.63000 | -.09000 | -.03000 | -.26500 | -.26500 | 871.50000 |
| .596 | 8.250 | 10.00000 | -.06000 | -.03000 | 4.56200 | -.09000 | -.03000 | -.26500 | -.26900 | 871.50000 |
| | GRADIENT | .00477 | -.00000 | -.00000 | -.00111 | -.00000 | -.00000 | -.00437 | -.00430 | .00000 |

RUN NO. 507/ 0 RN/L = 6.95 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.199 | -6.210 | 9.98000 | -.06000 | -.03000 | 2.33900 | -.09000 | -.03000 | -.41300 | -.41300 | 1427.00000 |
| 1.195 | -4.170 | 9.98000 | -.06000 | -.03000 | 2.32200 | -.09000 | -.03000 | -.40200 | -.40100 | 1427.00000 |
| 1.197 | -3.120 | 9.96000 | -.06000 | -.03000 | 2.32300 | -.09000 | -.03000 | -.39700 | -.39600 | 1427.00000 |
| 1.198 | -2.070 | 9.93000 | -.06000 | -.03000 | 2.32500 | -.09000 | -.03000 | -.38900 | -.39200 | 1427.00000 |
| 1.197 | -1.040 | 9.93000 | -.06000 | -.03000 | 2.31400 | -.09000 | -.03000 | -.38900 | -.38900 | 1427.00000 |
| 1.195 | -.030 | 9.91000 | -.06000 | -.03000 | 2.30300 | -.09000 | -.03000 | -.39500 | -.39500 | 1427.00000 |
| 1.197 | .990 | 9.98000 | -.06000 | -.03000 | 2.29800 | -.09000 | -.03000 | -.40000 | -.39900 | 1427.00000 |
| 1.198 | 2.060 | 9.99000 | -.06000 | -.03000 | 2.29100 | -.09000 | -.03000 | -.40400 | -.40600 | 1427.00000 |
| 1.195 | 3.120 | 9.99000 | -.06000 | -.03000 | 2.28900 | -.09000 | -.03000 | -.41000 | -.41100 | 1427.00000 |
| 1.196 | 4.180 | 9.98000 | -.06000 | -.03000 | 2.28000 | -.09000 | -.03000 | -.41300 | -.41200 | 1427.00000 |
| 1.197 | 6.260 | 9.97000 | -.06000 | -.03000 | 2.25700 | -.09000 | -.03000 | -.41700 | -.41900 | 1427.00000 |
| 1.198 | 8.350 | 9.99000 | -.06000 | -.03000 | 2.25200 | -.09000 | -.03000 | -.42300 | -.42400 | 1427.00000 |
| | GRADIENT | .00416 | -.00000 | -.00000 | -.00567 | -.00000 | -.00000 | -.00199 | -.00204 | .00001 |

ARC 200-1 11(LA77) OV101 OMS OFF (A2B251) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 516/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .898 | -1.990 | -.04000 | -.06000 | -.03000 | -1.47400 | -.09000 | -.03000 | -.28000 | -.27900 | 1408.00000 |
| .898 | -.080 | -.03000 | -.06000 | -.03000 | -.19600 | -.09000 | -.03000 | -.27700 | -.26800 | 1408.00000 |
| .900 | 2.030 | -.03000 | -.06000 | -.03000 | 1.13000 | -.09000 | -.03000 | -.27500 | -.27400 | 1408.00000 |
| .898 | 3.950 | -.02000 | -.06000 | -.03000 | 1.96200 | -.09000 | -.03000 | -.27800 | -.27500 | 1408.00000 |
| .897 | 5.930 | -.03000 | -.06000 | -.03000 | 2.49300 | -.09000 | -.03000 | -.28200 | -.28300 | 1408.00000 |
| .898 | 7.890 | -.04000 | -.06000 | -.03000 | 2.72800 | -.09000 | -.03000 | -.28800 | -.28300 | 1408.00000 |
| .897 | 9.910 | -.02000 | -.06000 | -.03000 | 2.78500 | -.09000 | -.03000 | -.30200 | -.30900 | 1408.00000 |
| .897 | 11.980 | -.02000 | -.06000 | -.03000 | 2.64000 | -.09000 | -.03000 | -.32900 | -.32900 | 1408.00000 |
| .897 | 13.950 | -.01000 | -.06000 | -.03000 | 2.49900 | -.09000 | -.03000 | -.37300 | -.36700 | 1408.00000 |
| .899 | 15.970 | -.01000 | -.06000 | -.03000 | 2.36000 | -.09000 | -.03000 | -.39100 | -.39600 | 1408.00000 |
| .896 | 17.910 | .00000 | -.06000 | -.03000 | 2.23400 | -.09000 | -.03000 | -.44900 | -.43800 | 1408.00000 |
| | GRADIENT | .00299 | -.00000 | -.00000 | .58399 | -.00000 | -.00000 | .00040 | .00028 | .00000 |

RUN NO. 511/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .947 | -1.980 | -.04000 | -.06000 | -.03000 | -.98400 | -.09000 | -.03000 | -.29700 | -.30000 | 1456.00000 |
| .948 | -.040 | -.03000 | -.06000 | -.03000 | .22300 | -.09000 | -.03000 | -.28800 | -.28700 | 1456.00000 |
| .947 | 1.960 | -.03000 | -.06000 | -.03000 | 1.24700 | -.09000 | -.03000 | -.27600 | -.28000 | 1456.00000 |
| .949 | 3.970 | -.03000 | -.06000 | -.03000 | 2.02300 | -.09000 | -.03000 | -.28100 | -.28100 | 1456.00000 |
| .949 | 5.980 | -.04000 | -.06000 | -.03000 | 2.49600 | -.09000 | -.03000 | -.29500 | -.29100 | 1456.00000 |
| .948 | 7.950 | -.05000 | -.06000 | -.03000 | 2.69300 | -.09000 | -.03000 | -.30700 | -.31000 | 1456.00000 |
| .949 | 9.960 | -.02000 | -.06000 | -.03000 | 2.73400 | -.09000 | -.03000 | -.32900 | -.32700 | 1456.00000 |
| .949 | 11.960 | -.05000 | -.06000 | -.03000 | 2.58000 | -.09000 | -.03000 | -.33400 | -.32400 | 1456.00000 |
| .948 | 13.950 | -.05000 | -.06000 | -.03000 | 2.44700 | -.09000 | -.03000 | -.36600 | -.36300 | 1456.00000 |
| .949 | 15.930 | -.05000 | -.06000 | -.03000 | 2.32600 | -.09000 | -.03000 | -.42200 | -.43100 | 1456.00000 |
| .946 | 17.890 | -.06000 | -.06000 | -.03000 | 2.20100 | -.09000 | -.03000 | -.44100 | -.44600 | 1456.00000 |
| | GRADIENT | .00150 | -.00000 | -.00000 | .50564 | -.00000 | -.00000 | .00301 | .00321 | .00000 |

ARC 200-1 11(LA77) OV101 OMS OFF (A28251) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 508/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.046 | -2.010 | -.05000 | -.06000 | -.03000 | -.59400 | -.09000 | -.03000 | -.44100 | -.44100 | 1555.00000 |
| 1.048 | -.050 | -.04000 | -.06000 | -.03000 | .25600 | -.09000 | -.03000 | -.40800 | -.40500 | 1555.00000 |
| 1.046 | 1.940 | -.04000 | -.06000 | -.03000 | 1.03400 | -.09000 | -.03000 | -.39500 | -.39700 | 1555.00000 |
| 1.047 | 3.940 | -.04000 | -.06000 | -.03000 | 1.63600 | -.09000 | -.03000 | -.39900 | -.39800 | 1555.00000 |
| 1.049 | 5.940 | -.04000 | -.06000 | -.03000 | 2.03600 | -.09000 | -.03000 | -.41100 | -.41000 | 1555.00000 |
| 1.047 | 7.910 | -.06000 | -.06000 | -.03000 | 2.21100 | -.09000 | -.03000 | -.44000 | -.44000 | 1555.00000 |
| 1.046 | 9.980 | -.04000 | -.06000 | -.03000 | 2.32900 | -.09000 | -.03000 | -.45700 | -.45500 | 1555.00000 |
| 1.048 | 11.930 | -.04000 | -.06000 | -.03000 | 2.32300 | -.09000 | -.03000 | -.45000 | -.44600 | 1555.00000 |
| 1.047 | 13.930 | -.03000 | -.06000 | -.03000 | 2.25800 | -.09000 | -.03000 | -.47500 | -.47400 | 1555.00000 |
| 1.048 | 15.930 | -.03000 | -.06000 | -.03000 | 2.16300 | -.09000 | -.03000 | -.50700 | -.50500 | 1555.00000 |
| 1.045 | 17.910 | -.02000 | -.06000 | -.03000 | 2.09400 | -.09000 | -.03000 | -.54700 | -.54500 | 1555.00000 |
| | GRADIENT | .00151 | -.00000 | -.00000 | .37628 | .00000 | -.00000 | .00699 | .00689 | .00000 |

ARC 200-1 11(LA77) OV101 OMS OFF (A28252) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 517/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .899 | -2.000 | 4.16000 | -.06000 | -.03000 | -1.50500 | -.09000 | -.03000 | -.29300 | -.29000 | 1411.00000 |
| .898 | .030 | 4.18000 | -.06000 | -.03000 | -.17000 | -.09000 | -.03000 | -.28000 | -.27500 | 1411.00000 |
| .897 | 1.990 | 4.18000 | -.06000 | -.03000 | 1.09100 | -.09000 | -.03000 | -.27500 | -.27500 | 1411.00000 |
| .897 | 3.940 | 4.19000 | -.06000 | -.03000 | 1.95600 | -.09000 | -.03000 | -.27200 | -.26900 | 1411.00000 |
| .898 | 5.940 | 4.20000 | -.06000 | -.03000 | 2.48800 | -.09000 | -.03000 | -.28900 | -.26600 | 1411.00000 |
| .898 | 7.910 | 4.23000 | -.06000 | -.03000 | 2.73600 | -.09000 | -.03000 | -.29500 | -.31200 | 1411.00000 |
| .897 | 9.960 | 4.25000 | -.06000 | -.03000 | 2.72800 | -.09000 | -.03000 | -.30800 | -.30500 | 1411.00000 |
| .897 | 11.960 | 4.30000 | -.06000 | -.03000 | 2.65700 | -.09000 | -.03000 | -.32400 | -.32500 | 1411.00000 |
| .897 | 13.950 | 4.32000 | -.06000 | -.03000 | 2.51900 | -.09000 | -.03000 | -.34600 | -.34500 | 1411.00000 |
| .898 | 16.020 | 4.35000 | -.06000 | -.03000 | 2.37700 | -.09000 | -.03000 | -.37400 | -.37800 | 1411.00000 |
| .896 | 18.000 | 4.38000 | -.06000 | -.03000 | 2.25500 | -.09000 | -.03000 | -.45400 | -.44900 | 1411.00000 |
| | GRADIENT | .00456 | -.00000 | -.00000 | .58905 | .00000 | -.00000 | .00345 | .00320 | .00000 |

ARC 200-1 11(LA77) OV101 OMS OFF (A28252) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 4.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 512/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .950 | -2.010 | 4.16000 | -.06000 | -.03000 | -1.09400 | -.09000 | -.03000 | -.31200 | -.31000 | 1459.00000 |
| .948 | -.070 | 4.18000 | -.06000 | -.03000 | .07000 | -.09000 | -.03000 | -.31000 | -.30700 | 1459.00000 |
| .949 | 1.970 | 4.18000 | -.06000 | -.03000 | 1.13600 | -.09000 | -.03000 | -.31000 | -.31200 | 1459.00000 |
| .948 | 3.960 | 4.18000 | -.06000 | -.03000 | 1.89900 | -.09000 | -.03000 | -.31200 | -.29500 | 1459.00000 |
| .950 | 5.940 | 4.19000 | -.06000 | -.03000 | 2.35200 | -.09000 | -.03000 | -.32500 | -.31700 | 1459.00000 |
| .948 | 7.880 | 4.21000 | -.06000 | -.03000 | 2.64000 | -.09000 | -.03000 | -.33100 | -.32600 | 1459.00000 |
| .947 | 9.940 | 4.23000 | -.06000 | -.03000 | 2.65700 | -.09000 | -.03000 | -.36800 | -.37600 | 1459.00000 |
| .947 | 11.930 | 4.26000 | -.06000 | -.03000 | 2.59000 | -.09000 | -.03000 | -.34300 | -.35100 | 1459.00000 |
| .948 | 14.000 | 4.28000 | -.06000 | -.03000 | 2.45900 | -.09000 | -.03000 | -.38500 | -.38700 | 1459.00000 |
| .946 | 15.990 | 4.30000 | -.06000 | -.03000 | 2.33800 | -.09000 | -.03000 | -.43400 | -.42300 | 1459.00000 |
| .948 | 17.980 | 4.31000 | -.06000 | -.03000 | 2.19500 | -.09000 | -.03000 | -.46300 | -.46900 | 1459.00000 |
| | GRADIENT | .00299 | -.00000 | -.00000 | .50329 | -.00000 | -.00000 | -.00000 | .00200 | .00000 |

RUN NO. 509/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | BETA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.050 | -1.990 | 4.16000 | -.06000 | -.03000 | -.64300 | -.09000 | -.03000 | -.42300 | -.42600 | 1561.00000 |
| 1.046 | -.060 | 4.18000 | -.06000 | -.03000 | .20400 | -.09000 | -.03000 | -.41800 | -.41800 | 1561.00000 |
| 1.048 | 1.970 | 4.18000 | -.06000 | -.03000 | .99700 | -.09000 | -.03000 | -.42200 | -.42600 | 1561.00000 |
| 1.047 | 3.960 | 4.18000 | -.06000 | -.03000 | 1.60500 | -.09000 | -.03000 | -.43400 | -.43500 | 1561.00000 |
| 1.049 | 5.980 | 4.19000 | -.06000 | -.03000 | 1.95600 | -.09000 | -.03000 | -.43400 | -.43500 | 1561.00000 |
| 1.047 | 7.920 | 4.21000 | -.06000 | -.03000 | 2.17000 | -.09000 | -.03000 | -.44700 | -.44400 | 1561.00000 |
| 1.048 | 9.920 | 4.24000 | -.06000 | -.03000 | 2.28200 | -.09000 | -.03000 | -.46700 | -.46900 | 1561.00000 |
| 1.046 | 11.930 | 4.27000 | -.06000 | -.03000 | 2.30200 | -.09000 | -.03000 | -.48000 | -.48000 | 1561.00000 |
| 1.047 | 14.010 | 4.30000 | -.06000 | -.03000 | 2.26000 | -.09000 | -.03000 | -.48100 | -.48000 | 1561.00000 |
| 1.046 | 16.000 | 4.31000 | -.06000 | -.03000 | 2.17200 | -.09000 | -.03000 | -.50200 | -.50100 | 1561.00000 |
| 1.048 | 17.990 | 4.33000 | -.06000 | -.03000 | 2.07600 | -.09000 | -.03000 | -.51900 | -.51600 | 1561.00000 |
| | GRADIENT | .00300 | -.00000 | -.00000 | .37895 | -.00000 | -.00000 | -.00187 | -.00178 | .00000 |

ARC 200-1 11(LA77) OV101 OMS OFF - TO + BETA (A28253) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 518/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .897 | -6.330 | 5.03000 | -.06000 | -.03000 | 2.58100 | -.09000 | -.03000 | -.24000 | -.24700 | 1406.00000 |
| .896 | -4.250 | 5.01000 | -.06000 | -.03000 | 2.38000 | -.09000 | -.03000 | -.25100 | -.25000 | 1406.00000 |
| .897 | -3.200 | 4.99000 | -.06000 | -.03000 | 2.33500 | -.09000 | -.03000 | -.25500 | -.25300 | 1406.00000 |
| .897 | -2.140 | 5.02000 | -.06000 | -.03000 | 2.30000 | -.09000 | -.03000 | -.25900 | -.25900 | 1406.00000 |
| .897 | -1.090 | 4.99000 | -.06000 | -.03000 | 2.29000 | -.09000 | -.03000 | -.26700 | -.26100 | 1406.00000 |
| .899 | -.010 | 4.97000 | -.06000 | -.03000 | 2.26800 | -.09000 | -.03000 | -.28300 | -.28800 | 1406.00000 |
| .897 | 1.000 | 5.00000 | -.06000 | -.03000 | 2.26700 | -.09000 | -.03000 | -.29400 | -.29000 | 1406.00000 |
| .897 | 2.060 | 5.01000 | -.06000 | -.03000 | 2.27400 | -.09000 | -.03000 | -.28000 | -.28400 | 1406.00000 |
| .900 | 3.100 | 5.00000 | -.06000 | -.03000 | 2.27600 | -.09000 | -.03000 | -.27400 | -.27100 | 1406.00000 |
| .897 | 4.160 | 4.98000 | -.06000 | -.03000 | 2.27900 | -.09000 | -.03000 | -.27700 | -.27500 | 1406.00000 |
| .897 | 6.250 | 4.97000 | -.06000 | -.03000 | 2.31900 | -.09000 | -.03000 | -.27800 | -.27900 | 1406.00000 |
| .897 | 8.350 | 4.98000 | -.06000 | -.03000 | 2.40700 | -.09000 | -.03000 | -.29100 | -.28800 | 1406.00000 |
| | GRADIENT | -.00160 | .00000 | .00000 | -.01043 | .00000 | .00000 | -.00365 | -.00371 | .00000 |

RUN NO. 513/ 0 RN/L = 8.00 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .949 | -6.330 | 5.00000 | -.06000 | -.03000 | 2.41500 | -.09000 | -.03000 | -.25500 | -.25400 | 1458.00000 |
| .946 | -4.250 | 4.96000 | -.06000 | -.03000 | 2.34600 | -.09000 | -.03000 | -.25200 | -.25200 | 1458.00000 |
| .950 | -3.210 | 4.96000 | -.06000 | -.03000 | 2.33100 | -.09000 | -.03000 | -.25400 | -.25200 | 1458.00000 |
| .948 | -2.150 | 4.95000 | -.06000 | -.03000 | 2.31900 | -.09000 | -.03000 | -.26300 | -.26300 | 1458.00000 |
| .949 | -1.100 | 4.93000 | -.06000 | -.03000 | 2.31000 | -.09000 | -.03000 | -.27600 | -.27800 | 1458.00000 |
| .946 | -.040 | 4.94000 | -.06000 | -.03000 | 2.29200 | -.09000 | -.03000 | -.28600 | -.29300 | 1458.00000 |
| .949 | 1.000 | 4.95000 | -.06000 | -.03000 | 2.27800 | -.09000 | -.03000 | -.29800 | -.29800 | 1458.00000 |
| .946 | 2.070 | 4.94000 | -.06000 | -.03000 | 2.26300 | -.09000 | -.03000 | -.30700 | -.30700 | 1458.00000 |
| .950 | 3.100 | 4.94000 | -.06000 | -.03000 | 2.22700 | -.09000 | -.03000 | -.30700 | -.31000 | 1458.00000 |
| .948 | 4.150 | 4.92000 | -.06000 | -.03000 | 2.18000 | -.09000 | -.03000 | -.31000 | -.29200 | 1458.00000 |
| .948 | 6.250 | 4.90000 | -.06000 | -.03000 | 2.11000 | -.09000 | -.03000 | -.32200 | -.32500 | 1458.00000 |
| .948 | 8.350 | 4.91000 | -.06000 | -.03000 | 2.11400 | -.09000 | -.03000 | -.33400 | -.33800 | 1458.00000 |
| | GRADIENT | -.00349 | .00000 | .00000 | -.01775 | .00000 | .00000 | -.00795 | -.00701 | -.00000 |

ARC 200-1 11(LA77) OV101 OMS OFF - TO + BETA (A2B253) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 510/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.049 | -6.360 | 5.01000 | -.06000 | -.03000 | 1.88900 | -.09000 | -.03000 | -.40500 | -.40200 | 1558.00000 |
| 1.045 | -4.270 | 4.99000 | -.06000 | -.03000 | 1.87000 | -.09000 | -.03000 | -.40100 | -.39800 | 1558.00000 |
| 1.047 | -3.220 | 4.97000 | -.06000 | -.03000 | 1.87400 | -.09000 | -.03000 | -.39400 | -.39700 | 1558.00000 |
| 1.046 | -2.160 | 4.97000 | -.06000 | -.03000 | 1.87900 | -.09000 | -.03000 | -.38900 | -.39100 | 1558.00000 |
| 1.047 | -1.110 | 4.95000 | -.06000 | -.03000 | 1.87600 | -.09000 | -.03000 | -.39800 | -.39500 | 1558.00000 |
| 1.049 | -.040 | 4.94000 | -.06000 | -.03000 | 1.85500 | -.09000 | -.03000 | -.41100 | -.40700 | 1558.00000 |
| 1.045 | .980 | 4.98000 | -.06000 | -.03000 | 1.85500 | -.09000 | -.03000 | -.41600 | -.41700 | 1558.00000 |
| 1.048 | 2.060 | 4.97000 | -.06000 | -.03000 | 1.85300 | -.09000 | -.03000 | -.43200 | -.43100 | 1558.00000 |
| 1.047 | 3.090 | 4.97000 | -.06000 | -.03000 | 1.84600 | -.09000 | -.03000 | -.42900 | -.43000 | 1558.00000 |
| 1.048 | 4.140 | 4.97000 | -.06000 | -.03000 | 1.83100 | -.09000 | -.03000 | -.43600 | -.43400 | 1558.00000 |
| 1.046 | 6.240 | 4.96000 | -.06000 | -.03000 | 1.81200 | -.09000 | -.03000 | -.44500 | -.44400 | 1558.00000 |
| 1.048 | 8.350 | 4.97000 | -.06000 | -.03000 | 1.80300 | -.09000 | -.03000 | -.43600 | -.43800 | 1558.00000 |
| | GRADIENT | -.00080 | .00000 | .00000 | -.00496 | -.00000 | .00000 | -.00553 | -.00547 | .00000 |

ARC 200-1 11(LA77) OV101 OMS OFF - TO + BETA (A2B254) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 514/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .946 | -6.260 | 14.96000 | -.06000 | -.03000 | 2.47000 | -.09000 | -.03000 | -.36200 | -.36300 | 1454.00000 |
| .949 | -4.190 | 15.01000 | -.06000 | -.03000 | 2.41600 | -.09000 | -.03000 | -.37500 | -.38300 | 1454.00000 |
| .947 | -3.140 | 14.98000 | -.06000 | -.03000 | 2.39500 | -.09000 | -.03000 | -.38600 | -.38800 | 1454.00000 |
| .947 | -2.090 | 14.97000 | -.06000 | -.03000 | 2.38200 | -.09000 | -.03000 | -.38200 | -.38900 | 1454.00000 |
| .948 | -1.040 | 14.98000 | -.06000 | -.03000 | 2.37400 | -.09000 | -.03000 | -.39700 | -.39900 | 1454.00000 |
| .946 | .030 | 14.98000 | -.06000 | -.03000 | 2.36800 | -.09000 | -.03000 | -.39400 | -.39200 | 1454.00000 |
| .948 | 1.050 | 14.95000 | -.06000 | -.03000 | 2.37800 | -.09000 | -.03000 | -.40400 | -.40000 | 1454.00000 |
| .947 | 2.040 | 14.96000 | -.06000 | -.03000 | 2.38600 | -.09000 | -.03000 | -.40200 | -.39600 | 1454.00000 |
| .948 | 3.120 | 14.98000 | -.06000 | -.03000 | 2.39500 | -.09000 | -.03000 | -.40000 | -.38700 | 1454.00000 |
| .949 | 4.190 | 14.98000 | -.06000 | -.03000 | 2.39500 | -.09000 | -.03000 | -.39600 | -.39900 | 1454.00000 |
| .948 | 6.300 | 14.97000 | -.06000 | -.03000 | 2.41700 | -.09000 | -.03000 | -.41500 | -.42000 | 1454.00000 |
| .947 | 8.410 | 15.00000 | -.06000 | -.03000 | 2.43500 | -.09000 | -.03000 | -.43500 | -.42400 | 1454.00000 |
| | GRADIENT | -.00271 | .00000 | .00000 | -.00117 | -.00000 | .00000 | -.00276 | -.00122 | .00000 |

ARC 200-1 11(LA77) OV101 OMS OFF + TO - BETA (A28255) ( 17 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 IN. YMRP = .0000 IN. YO
BREF = 936.7000 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 SPDBRK = 25.000
RUDDER = -22.000 BDFLAP = .000
RN/L = 8.000

RUN NO. 515/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | ALPHA | ELEVON | AILRON | L/D | ELEV-L | ELEV-R | CPB | CPC | Q(PSF) |
|---|---|---|---|---|---|---|---|---|---|---|
| .945 | -6.250 | 14.95000 | -.06000 | -.03000 | 2.47000 | -.09000 | -.03000 | -.36400 | -.37500 | 1458.00000 |
| .950 | -4.250 | 14.96000 | -.06000 | -.03000 | 2.41400 | -.09000 | -.03000 | -.38800 | -.38500 | 1458.00000 |
| .946 | -3.200 | 14.96000 | -.06000 | -.03000 | 2.39900 | -.09000 | -.03000 | -.38600 | -.38400 | 1458.00000 |
| .949 | -2.160 | 14.95000 | -.06000 | -.03000 | 2.38800 | -.09000 | -.03000 | -.38900 | -.39300 | 1458.00000 |
| .948 | -1.110 | 14.98000 | -.06000 | -.03000 | 2.38300 | -.09000 | -.03000 | -.39000 | -.38800 | 1458.00000 |
| .946 | -.030 | 14.98000 | -.06000 | -.03000 | 2.37100 | -.09000 | -.03000 | -.39800 | -.39700 | 1458.00000 |
| .950 | 1.010 | 15.00000 | -.06000 | -.03000 | 2.37600 | -.09000 | -.03000 | -.41400 | -.40600 | 1458.00000 |
| .951 | 2.090 | 15.04000 | -.06000 | -.03000 | 2.38500 | -.09000 | -.03000 | -.39900 | -.40200 | 1458.00000 |
| .950 | 3.150 | 15.03000 | -.06000 | -.03000 | 2.39300 | -.09000 | -.03000 | -.38900 | -.37900 | 1458.00000 |
| .947 | 4.240 | 15.02000 | -.06000 | -.03000 | 2.39300 | -.09000 | -.03000 | -.38600 | -.38200 | 1458.00000 |
| .949 | 6.380 | 15.01000 | -.06000 | -.03000 | 2.41300 | -.09000 | -.03000 | -.41800 | -.41300 | 1458.00000 |
| .949 | 8.430 | 15.01000 | -.06000 | -.03000 | 2.42900 | -.09000 | -.03000 | -.42700 | -.42400 | 1458.00000 |
| | GRADIENT | .01022 | -.00000 | -.00000 | -.00179 | -.00000 | -.00000 | -.00070 | -.00013 | -.00000 |