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VOLUME 2 of 2

RESULTS OF TESTS OF A SPACE SHUTTLE ORBITER FERRY CONFIGURATION USING A 140A/B 0.0405-SCALE MODEL (43-0) IN THE ROCKWELL INTERNATIONAL 7.75 x 11 FOOT LOW SPEED WIND TUNNEL (OA172)

# SPACE SHUTTLE AEROTHERMODYNAMIC DATA REPORT

Data Management SERVICES

HUNTSVILLE ELECTRONICS DIVISION CHRYSLER CORPORATION

April 1981

DMS-DR-2294
NASA-CR-160,823

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by

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Prepared under NASA Contract Number NAS9-16283

by

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Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

| | |
|---|---|
| Test Number: | NAAL 752 |
| NASA Series Number: | OA172 |
| Model Number: | 43-0 |
| Test Dates: | December 17, 1975 through January 14, 1976 |
| Occupancy Hours: | 123 |


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# RESULTS OF TESTS OF A SPACE SHUTTLE ORBITER FERRY CONFIGURATION USING A 140A/B 0.0405-SCALE MODEL (43-0) IN THE ROCKWELL INTERNATIONAL 7.75 x 11 FOOT LOW SPEED WIND TUNNEL (OA172)

by

M. T. Hughes, Rockwell International B-1 Division

## ABSTRACT

Experimental aerodynamic investigations were conducted on a dual-strut mounted 0.0405-scale representation of the 140A/B Space Shuttle Orbiter in the Rockwell International 7.75 x 11.0 foot low speed wind tunnel (NAAL). Tests were conducted between December 17,1975 and January 14, 1976. The facility test number was NAAL 752 and the NASA designation for this test period was OA172.

The primary test objective was to determine the pressure distribution on the ferry configuration tail cone as well as the incremental effects on Orbiter stability and control. These tests were conducted both in and out of the presence of a fixed board ground plane.

The tail cone tested was the Rockwell V70-30-330-02 version instrumented with 45 surface pressure orifices on the left hand side. With the tail cone off, the full SSME and OMS nozzles were simulated.

Aerodynamic force and moment data were measured in the stability axis system by the NAAL planar balance. The model wing tips were attached to the dual strut system so that the model center of rotation was located

at the wing TE/fuselage intersection. Aerodynamic interference was minimized by installation of strut windshields which extended from the tunnel floor to within 6 inches of the wing lower surface. No strut tares were applied to the final data.

The nominal angle of attack range during the free air testing was from -6° to +20°. This was reduced to +1° to +20° for the lowest ground plane height. Yaw polars were recorded over the sideslip angle range from -10° to +10° at angles of attack of -5°, 0°, 5°, 10°, 15° and 20°. Model component deflections tested were as follows:

| | |
|---|---|
| Elevons | 0°, ±5°, ±10° |
| Aileron | 0°, 5°, 10° |
| Rudder | 0°, ±10° |
| Speedbrake | 0°, 25°, 55°, 85° |
| Body Flap | -11.7°, 0°, +16.3° |

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B) $C_Y$, $C_n$(BODY), $C_\ell$(BODY) vs $\beta$

C) $C_L$, $C_D$, $C_m$, $X_{c_p}/\ell$, L/D vs $\alpha$

D) $C_L$, $C_D$, $C_m$, $X_{c_p}/\ell$, L/D, $C_Y$, $C_n$(BODY), $C_\ell$(BODY) vs $\alpha$

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F) $C_L$, $C_{D_f}$, $C_m$, L/D, $C_D$, $C_{D_b}$, $X_{c_p}/\ell$ vs $\alpha$

G) $C_L$, $C_{D_f}$, $C_m$, L/D, $C_Y$, $C_n$(BODY), $C_\ell$(BODY), $C_D$, $C_{D_b}$, $X_{C_p}/\ell$ vs $\alpha$

H) $C_p$ vs $X/L_B$

NOMENCLATURE

| Symbol | Mnemonic | Definition |
|---|---|---|
| $A_{B_{1\rightarrow 11}}$ | | area of influence, base pressures 1→11 |
| b | BREF | wing span or reference span; m, ft |
| c | LREF | reference length or wing mean aerodynamic chord; m, ft |
| $C_A$ | CA | axial-force coefficient; $\frac{\text{axial force}}{qS}$ |
| $C_{A_b}$ | CAB | base-force coefficient; $\frac{\text{base force}}{qS}$ |
| $C_{A_f}$ | CAF | forebody axial force coefficient; $C_A - C_{A_b}$ for configurations without afterbody, $C_A$ for configurations with afterbody |
| $C_D$ | CD | drag coefficient; $\frac{\text{drag}}{qS}$ |
| $C_{D_B}$ | CDB | base-drag coefficient; $\frac{\text{base drag}}{qS}$ |
| $C_{D_F}$, $C_{D_f}$ | CDF | forebody drag coefficeint; $\frac{\text{forebody drag}}{qS}$ |
| $C_{D_U}$ | | planar balance uncorrected drag output |
| $C_{D_\tau}$ | | model weight tare drag force coefficient |
| $C_L$ | CL | lift coefficient; $\frac{\text{lift}}{qS}$ |
| $CL_F$ | CLF | forebody lift coefficient |
| $C_\ell$(BODY) | CBL | body axis rolling-moment coefficient; $\frac{\text{rolling moment}}{qsb}$ |
| | CSL | stability axis rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$ |

NOMENCLATURE (Continued)

| Symbol | Mnemonic | Definition |
|---|---|---|
| $C_m$ | CLM | pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$ |
| $C_N$ | CN | normal-force coefficient: $\frac{\text{normal force}}{qS}$ |
| $C_n$ | CLN | stability axis yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$ |
| $C_n$(BODY) | CYN | yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$ (BODY AXIS) |
| $C_{p_i}$ | $CP_i$ | pressure coefficient at station i, $\frac{p_i - p_\infty}{q}$ |
| $C_Y$ | CY | side-force coefficient, $\frac{\text{side force}}{qS}$ |
| h/bw | H/BW,H/B | height of wing TE above ground plane |
| L/D | L/D | lift-to-drag ratio; $C_L/C_D$ |
| $L/D_f$ | L/DF | lift to forebody drag ratio; $C_L/C_{D_f}$ |
| $\ell_B$ | | reference Orbiter fuselage length, in. |
| | MRP | moment reference point |
| p | | pressure, psf |
| $P_{B_{1...11}}$ | PBi | base pressure at tap locations 1...11, respectively, 10 and 11 are cavity pressures |
| q | Q(NSM) Q(PSF) | dynamic pressure, psf |
| RN/L | RN/L | unit Reynolds number, per ft |
| S | SREF | wing area of reference area, $ft^2$ |
| Xcp/$\ell$ | XCP/L | center of pressure location, percent of $\ell$ |
| XMRP | XMRP | moment reference point on X axis |
| YMRP | YMRP | moment reference point on Y axis |
| ZMRP | ZMRP | moment reference point on Z axis |

NOMENCLATURE (Concluded)

| Symbol | Mnemonic | Definition |
|---|---|---|
| $X_o$ IN. | XO | Orbiter longitudinal station, in. |
| $Y_o$ IN. | YO | Orbiter lateral station, in. |
| $Z_o$ IN. | ZO | Orbiter vertical station, in. |
| $\alpha$ | ALPHA | angle of attack, degrees |
| $\beta$ | BETA | angle of sideslip, degrees |
| $\delta_a$ | AILRON | aileron deflection, degrees |
| $\delta_{BF}$ | BDFLAP | bodyflap deflection, degrees |
| $\delta_e$ | ELEVON | elevon deflection, degrees |
| $\delta_R$ | RUDDER | rudder deflection, degrees |
| $\delta_{SB}$ | SPDBRK | speed brake deflection, degrees |
| $\Lambda_{LE}$ | | leading edge sweep angle, degrees |
| $\phi$ | PHI | model roll angle, degrees |

## CONFIGURATION INVESTIGATED

The model tested during test period OA172 was a 0.0405-scale representation of the 140A/B Space Shuttle Orbiter configuration. The basic model was of the blended wing-body design utilizing a double-delta wing ($75°/45°\Lambda_{LE}$), full span, dual panel elevons with unswept hingeline and 6 inch gaps, a centerline vertical tail with rudder and/or speed brake deflection capability, a canopy, a bodyflap and an orbital maneuvering system (OMS pods). The OMS pods were mounted on the aft fuselage sidewalls adjacent to the vertical tail. The OMS pods used during this test were the 140C short OMS configuration.

The V70-30-330-02 tail cone was tested on the basic 140A/B fuselage ($B_{26}$). The tail cone is described in the Dimensional Data Section (Table III). The nomenclature used to identify the model components that were tested is listed below.

Components

| | |
|---|---|
| $B_{26}$ | Basic 140A/B Orbiter fuselage |
| $C_9$ | 140A/B Orbiter canopy |
| $E_{43}$ | 140A/B Orbiter dual panel elevons with 6 inch gaps |
| $F_8$ | 140A/B Orbiter bodyflap |
| $G_{15}$ | 140A/B nose and main landing gear struts and doors |
| $M_{16}$ | 140C short OMS pods |
| $N_{24}$ | 140A/B MPS nozzles |
| $N_{28}$ | 140A/B and 140C OMS pod nozzles |

CONFIGURATION INVESTIGATED (Concluded)

| | |
|---|---|
| $PR_1$ | Flight test nose probe |
| $R_5$ | 140A/B Orbiter solid panel rudder |
| $TC_{19}$ | Ferry configuration tail cone, Rockwell V70-30-330-02 version |
| $V_8$ | 140A/B Orbiter centerline vertical tail |
| $W_{116}$ | 140A/B Orbiter double delta wing |
| $X_9$ | Grit located on model nose and all swept surfaces to provide forced boundary layer transition |
| $X_{37}$ | Modified version of $X_9$, cuff LE grit extended to nose ring |

Six (6) component force and moment data were measured by the NAAL Planar balance. The tailcone was instrumented with 45 static surface pressure taps. The model was also instrumented with 2 cavity and 9 base pressures, which were used during tests with tailcone removed.

## TEST FACILITY DESCRIPTION

North American Aerodynamics Laboratory (NAAL) 7.75 x 11-foot Wind Tunnel is a continuous flow, closed circuit, single return tunnel capable of speeds up to 200 miles per hour.

The test section is vented to atmospheric pressure and is 7.75 x 11 feet wide and 12 feet long. Power is supplied by a 1250-horsepower nacelle-mounted synchronous motor driving a 19-foot, seven-blade, laminated birch propeller. Airspeed is controlled by using a magentic clutch to vary the degree of coupling between the motor and propeller. Turbulence is minimized by a damping screen and a honeycomb section in the settling chamber upstream from the contraction cone (ratio 7.53 to 1).

Tests may be conducted using a variety of mounting systems: single strut, double strut, sting strut, reflection plane, cable suspension, or two-dimensional wall. Aerodynamic data may be measured by a planar type external balance system or sting-mounted internal balances. An Astrodata Automatic Data Acquisition System collects, multiplexes, digitizes, and records on magnetic tape 50 channels of force or pressure data or both. Data are then reduced and plotted using automatic data processing equipment and an automatic digital plotter.

The NAAL Wind Tunnel has been operating since June 1943. Calibrations are available over a wide range of test conditions.

## DATA REDUCTION

The aerodynamic force and moment data presented in this report were measured by the NAAL external planar balance. The data have been corrected for model blockage influence on tunnel dynamic pressure, wall interference effects on model aerodynamic characteristics, and model weight tare. All aerodynamic data recorded with the ferry configuration tail cone removed have been corrected for model base area pressure drag effects. No base drag corrections were applied to data taken on configurations with tail cone attached. Individual base pressures are not documented herein.

The corrections made to axial force were accomplished in the following manner:

$$C_{D_F} = C_{D_U} - C_{D_B} - C_{D_\tau}$$

where

$C_{D_U}$ = Planar balance uncorrected drag output

$$C_{D_B} = \left(\frac{P_{B_i} - P_\infty}{q}\right)\left(\frac{A_{B_i}}{S}\right)\cos\alpha, \quad i = 1 \rightarrow 11$$

$C_{D_\tau}$ = model weight tare

All other aforementioned corrections to the aerodynamic data were applied utilizing standard low speed wind tunnel methods.

The following reference dimensions and constants are used for reducing all aerodynamic data to coefficient form:

DATA REDUCTION (Concluded)

| Symbol | Definition | Value |
|---|---|---|
| $A_{B1}$ | Area of influence, base pressusre #1, $ft^2$ | .05031 |
| $A_{B2}$ | Area of influence, base pressure #2, $ft^2$ | .07983 |
| $A_{B3}$ | Area of influence, base pressure #3, $ft^2$ | .03062 |
| $A_{B4}$ | Area of influence, base pressure #4, $ft^2$ | .03627 |
| $A_{B5}$ | Area of influence, base pressure #5, $ft^2$ | .07107 |
| $A_{B6}$ | Area of influence, base pressure #6, $ft^2$ | .09769 |
| $A_{B7}$ | Area of influence, base pressure #7, $ft^2$ | .14234 |
| $A_{B8}$ | Area of influence, base pressure #8, $ft^2$ | .08037 |
| $A_{B9}$ | Area of influence, base pressure #9, $ft^2$ | .12794 |
| S | Area of wing, $ft^2$ | 4.412 |
| XMRP | Moment reference X location,fus. sta. | 43.606 |
| ZMRP | Moment reference Z location,waterplane | 15.188 |
| LB | Length Orbiter fuselage, in | 52.257 |
| $\bar{C}$(LREF) | Wing MAC, in. | 19.230 |
| b(BREF) | Wing span, in. | 37.936 |

TABLE I.

TEST : 0A172 NAAL 752 DATE : Jan 19, 1976

TEST CONDITIONS

| MACH NUMBER | REYNOLDS NUMBER (per unit length) | DYNAMIC PRESSURE (pounds/sq.foot) | STAGNATION TEMPERATURE (degrees Fahrenheit) |
|---|---|---|---|
| 0.13 | $0.92 \times 10^{-6}$/ft | 25 | 60°→120°F |
| 0.20 | 1.44 | 60 | 60°→120°F |
| 0.26 | 1.85 | 100 | 60°→120°F |
| | | | |
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BALANCE UTILIZED: NAAL Planar Balance

| | CAPACITY: | ACCURACY: | COEFFICIENT TOLERANCE: |
|---|---|---|---|
| NF | | | |
| SF | | | |
| AF | | | |
| PM | | | |
| RM | | | |
| YM | | | |

COMMENTS:

TABLE II.

TEST: OA172 — DATA SET/RUN NUMBER COLLATION SUMMARY — BETA SWEEPS — DATE: POST TEST

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. β | SCHD. M | δe | δa | δr | δSB | δBF | h/bw | ANGLE OF ATTACK -5 | 0 | 1 | 5 | 10 | 15 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RFG001 | ① | B | .13 | 0 | 0 | 0 | 0 | -11.7 | ∞ | | | | | 2 | | |
| 02 | | | .20 | | | | | | | 6 | 7 | | 8 | 9 | 10 | 11 |
| 03 | | | .26 | | | | ↓ | | | | | | | 4 | | |
| 04 | | | .20 | | | | 25 | | | | | | | 25 | | |
| 05 | | | | | | | 55 | | | | | | | 27 | | |
| 06 | | | | | | | 85 | ↓ | | | | | | 29 | | |
| 07 | | | | | | | 0 | 0 | | | 39 | | | 40 | | 41 |
| 08 | | | | | | ↓ | | 16.3 | | | 35 | | | 36 | | 37 |
| 09 | | | | | | 10 | | -11.7 | | | 43 | | | 44 | | 45 |
| 10 | ↓ | | | | | -10 | | | | | 47 | | | 48 | | 49 |
| 11 | ① - G15 | | | | | 0 | | | | | 52 | | | 53 | | 54 |
| 12 | ② - G15 | | ↓ | | | ↓ | | | | | 56 | | | 57 | | 58 |
| 13 | ② | | .13 | | | | | | | | | | | 67 | | |
| 14 | | | .20 | | | | | | | 60 | 61 | | 62 | 63 | 64 | 65 |
| 15 | | | .26 | | | | ↓ | | | | | | | 69 | | |
| 16 | | | .20 | | | | 25 | | | | | | | 77 | | |
| 17 | | | | | | | 55 | | | | | | | 79 | | |
| 18 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 85 | ↓ | ↓ | | | | | 81 | | |

TEST RUN NUMBERS

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

CL | ODF | CLM | CN | CAF | CMB | CY | CYN | CBL | XCP/L | ALPHA | BETA

COEFFICIENTS

α OR β SCHEDULES: β: B = -10° to +10°, Δ = 2° plus Q = 1

IDVAR (1) IDVAR (2) NDV

① = $B_{26}C_9PR_1M_{16}N_{28}W_{116}E_{43}F_8V_8R_5$ TC19 X9G15

② = $B_{26}C_9PR_1M_{16}N_{24}N_{28}W_{116}E_{43}F_8V_8R_5$ X9G15

* - CONFIGURATION ② AND ③

TABLE II. - Continued.

TEST : OA172

DATA SET/RUN NUMBER COLLATION SUMMARY

BETA SWEEPS

DATE :

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. β | SCHD. M | PARAMETERS/VALUES δe | δa | δr | δsb | δBF | h/bw | ANGLE OF ATTACK -5 | -4 | 0 | 1 | 5 | 10 | 15 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RFG019 | ② | B | .20 | 0 | 0 | 0 | 0 | 0 | ∞ | | | 83 | | | 84 | | 85 |
| 20 | | | | | | 0 | | 16.3 | | | | 87 | | | 88 | | 89 |
| 21 | | | | | | 10 | | -11.7 | | | | 91 | | | 92 | | 93 |
| 22 | | | | | | -10 | | | | | | 95. | | | 96 | | 97 |
| 23 | ③ | | | | | 0 | | | | | | | | | | | 99 |
| 24 | ② | | | | | | | | .178 | | 101 | 102 | | 103 | 104 | 105 | 106 |
| 25 | | | | | | | 25 | | | | | | | | 114 | | |
| 26 | | | | | | | 55 | | | | | | | | 116 | | |
| 27 | | | | | | | 85 | | | | | | | | 118 | | |
| 28 | | | | | | 10 | 0 | | | | | 120 | | | 121 | | 122 |
| 29 | | | | | | -10 | | | | | | 124 | | | 125 | | 126 |
| 30 | | | | | | 0 | | 0 | | | | 128 | | | 129 | | 130 |
| 31 | | | | | | | | 16.3 | | | | 132 | | | 133 | | 134 |
| 32 | | E | | | | | | 16.3 | .125 | | | | 136 | | 137 | | 138 |
| 33 | | E | | | | | | 0 | | | | | 140 | | 141 | | 142 |
| 34 | | B | | | | | | -11.7 | | | | | 144 | 145 | 146 | 147 | 148 |
| 35 | | E | | | | | 25 | | | | | | | | 156 | | |
| 36 | | E | | | | | 55 | | | | | | | | 158 | | |

TEST RUN NUMBERS

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

α OR β SCHEDULES

β: B = -10° to +10°, Δ = 2° plus 0 = 1°

E = -10°, -6°, -2°, -1°, 0°, 1°, 2°, 6°, 10°

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

② = $B_{26}C_9PR_1M_{16}N_{24}N_{28}W_{16}E_{43}F_8V_8R_5X_9G_{15}$

③ = $X_{37}$

TABLE II. - Continued.

TEST: OA172 — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE:

BETA SWEEPS

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. β | SCHD. M | δe | δa | δr | δSB | δSF | h/bw | PARAMETERS/VALUES | ANGLE OF ATTACK -5 | -4 | 0 | 1 | 5 | 10 | 15 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RFG037 | ② | E | .20 | 0 | 0 | 0 | 85 | -11.7 | .125 | | | | | | | 160 | | |
| 38 | | | | | | 10 | 0 | | | | | | | 162 | | 163 | | 164 |
| 39 | | | | | | -10 | | | | | | | | 166 | | 167 | | 168 |
| 40 | ① | | | | | 0 | | | | | | | | 170 | 171 | 172 | 173 | 174 |
| 41 | | | | | | | 25 | | | | | | | | | 182 | | |
| 42 | | | | | | | 55 | | | | | | | | | 184 | | |
| 43 | | | | | | | 85 | | | | | | | | | 186 | | |
| * 44 | | | | | | 10 | 0 | | | | | | | 188 | | 189 | | 190 |
| * 45 | | | | | | -10 | | | | | | | | 192 | | 193 | | 194 |
| 46 | | | | | | 0 | | 0 | | | | | | 196 | | 197 | | 198 |
| 47 | | | | | | | | 16.3 | | | | | | 200 | | 201 | | 202 |
| 48 | | | | | | | | -11.7 | .178 | | | 204 | 205 | | 206 | 207 | 208 | 209 |

TEST RUN NUMBERS

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

α OR β SCHEDULES

COEFFICENTS ③: E = -10°, -6°, -2°, -1°, 0, 1°, 2°, 6°, 10°

① = $B_{26}C_9PR_1$ IDVAR (1) $N_{28}W_{116}E_{43}F_8V_8R_5$ IDVAR (2) $TC_{19}X_9G_{15}$ NDV

② = $N_{24}$

* DATA UNAVAILABLE

TABLE II. - Continued.

TEST: OA172 — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE:

ALPHA SWEEPS

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. M | PARAMETERS/VALUES δe | δa | δr | δsb | δbf | h/bar | NO. OF RUNS | ANGLE OF SIDESLIP | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RFG049 | ① | A | .13 | 0 | 0 | 0 | 0 | -11.7 | ∞ | | 0 | 1 |
| 50 | | | .20 | | | | | | | | | 5 |
| 51 | | | .26 | | | | | | | | | 3 |
| 52 | | | .20 | -10 | | | | | | | | 16 |
| 53 | | | | -5 | | | | | | | | 13 |
| 54 | | | | 5 | | | | | | | | 12 |
| 55 | | | | 10 | | | | | | | ① | 21 |
| 56 | | | | 0 | 5 | | | | | | | 23 |
| 57 | | | | | 10 | | | | | | | 22 |
| 58 | | | | | 0 | | 25 | | | | | 24 |
| 59 | | | | | | | 55 | | | | | 26 |
| 60 | | | | | | | 85 | | | | | 28 |
| 61 | | | | | | | 0 | 0 | | | | 38 |
| 62 | | | | | | | | 16.3 | | | | 34 |
| 63 | | | | | | 10 | | -11.7 | | | | 42 |
| 64 | | | | | | -10 | | | | | | 46 |
| 65 | ① - G15 | | | | | 0 | | | | | | 51 |
| 66 | ② - G15 | | | | | 0 | | | | | | 55 |

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

CL CDF CLM CN CAF CAB CY CFN CBL KCP/L BETA ALPHA

α OR β SCHEDULES: α: A = -6° to 20°, Δ = 2°

COEFFICIENTS

① = $B_{26}C_9PR_1M_{16}$ IDVAR(1) $N_{28}W_{116}E_{43}F_8V_8R_5$ IDVAR(2) $TC_{19}X_9G_{15}$ NDV

② = N24

① FORCE DATA ONLY

★ CONFIGURATION ② AND ③ ONLY

TABLE II. - Continued.

TEST: OA172 — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE:

ALPHA SWEEPS

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. M | PARAMETERS/VALUES δe | δa | δr | δSR | δBF | h/bW | NO. OF RUNS | ANGLE OF SIDESLIP 0 | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RFG067 | ② | A | .13 | 0 | 0 | 0 | 0 | -11.7 | ∞ | | 66 | |
| 68 | | | .20 | | | | | | | | 59 | |
| 69 | | | -.26 | ↓ | | | | | | | 68 | |
| 70 | | | .20 | -10 | | | | | | | 75 | |
| 71 | | | | -5 | | | | | | | 72 | |
| 72 | | | | 5 | | | | | | | 70 | |
| 73 | | | | 10 | ↓ | | | | | | 73 | |
| 74 | | | | 0 | 5 | | | | | | 71 | |
| 75 | | | | | 10 | | ↓ | | | | 74 | |
| 76 | | | | | 0 | | 25 | | | | 76 | |
| 77 | | | | | | | 55 | | | | 78 | |
| 78 | | | | | | | 85 | ↓ | | | 80 | |
| 79 | | | | | | | 0 | 0 | | | 82 | |
| 80 | | | | | | ↓ | | 16.3 | | | 86 | |
| 81 | | | | | | 10 | | -11.7 | | | 90 | |
| 82 | | ↓ | | | | -10 | | | ↓ | | 94 | |
| 83 | | C | ↓ | ↓ | ↓ | 0 | ↓ | ↓ | .178 | | 100 | |

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

α OR β SCHEDULES

α: A = -6° to 20°, Δ = 2°
C = -4° to 20°, Δ = 4°

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

② = $B_{26}C_9PR_1M_{16}N_{24}N_{28}W_{116}E_{43}F_8V_8R_5X_9G_{15}$

TABLE II. - Continued.

TEST: OA172 — DATA SET/RUN NUMBER COLLATION SUMMARY — ALPHA SWEEPS — DATE:

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. M | δe | δa | δr | δsB | δBF | h/bw | NO. OF RUNS | ANGLE OF SIDESLIP 0 | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RFG084 | ② | D | .20 | -10 | 0 | 0 | 0 | -11.7 | .178 | | 112 | |
| 85 | | | | -5 | | | | | | | 109 | |
| 86 | | | | 5 | | | | | | | 107 | |
| 87 | | | | 10 | ↓ | | | | | | 110 | |
| 88 | | | | 0 | 5 | | | | | | 108 | |
| 89 | | | | | 10 | | ↓ | | | | 111 | |
| 90 | | | | | 0 | | 25 | | | | 113 | |
| 91 | | | | | | | 55 | | | | 115 | |
| 92 | | | | | | ↓ | 85 | | | | 117 | |
| 93 | | | | | | 10 | 0 | | | | 119 | |
| 94 | | | | | | -10 | | ↓ | | | 123 | |
| 95 | | | | | | 0 | | 0 | | | 127 | |
| 96 | | ↓ | | | | | | 16.3 | ↓ | | 131 | |
| 97 | | F | | | | | | 16.3 | .125 | | 135 | |
| 98 | | F | | | | | | 0 | | | 139 | |
| 99 | | G | | ↓ | | | | -11.7 | | | 143 | |
| 100 | | F | | -10 | | | | | | | 154 | |
| 101 | ↓ | F | | -5 | ↓ | ↓ | ↓ | ↓ | ↓ | | 151 | |

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

α OR β SCHEDULES

COEFFICENTS

α: D = -4° to 20°, Δ = 4°
F = 1°, 4°, 8°, 12°, 16°, 20°

IDVAR (1) IDVAR (2) NDV

G = 1°, 2°, 4°, 6°, 8°, 10°, 12°, 14°, 16°, 18°, 20°

② = B26C9PR1M16N24N28W116E43F8V8R5X9G15

TABLE II. - Continued.

TEST : OA172 — DATA SET/RUN NUMBER COLLATION SUMMARY — ALPHA SWEEPS — DATE :

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. M | PARAMETERS/VALUES δe | δa | δr | δse | δBF | n/bw | NO. OF RUNS | ANGLE OF SIDESLIP 0 | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RFG 102 | ② | F | .20 | 5 | 0 | 0 | 0 | -11.7 | .125 | | 149 | |
| 103 | | | | 10 | 0 | | | | | | 152 | |
| 104 | | | | 0 | 5 | | | | | | 150 | |
| 105 | | | | | 10 | | | | | | 153 | |
| 106 | | | | | 0 | | 25 | | | | 155 | |
| 107 | | | | | | | 55 | | | | 157 | |
| 108 | | | | | | | 85 | | | | 159 | |
| 109 | | | | | | 10 | 0 | | | | 161 | |
| 110 | | | | | | -10 | | | | | 165 | |
| 111 | ① | | | | | 0 | | | | | 169 | |
| 112 | | | | -10 | | | | | | | 180 | |
| 113 | | | | -5 | | | | | | | 177 | |
| 114 | | | | 5 | | | | | | | 175 | |
| 115 | | | | 10 | | | | | | | 178 | |
| 116 | | | | 0 | 5 | | | | | | 176 | |
| 117 | | | | | 10 | | | | | | 179 | |
| 118 | | | | | 0 | | 25 | | | | 181 | |
| 119 | | | | | 0 | | 55 | | | | 183 | |

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

α OR β SCHEDULES

α: F = 1°, 4°, 8°, 12°, 16°, 20° COEFFICIENTS

① = $B_{26}C_9PR_1M_{16}$ IDVAR (1) $N_{28}W_{116}E_{43}F_8V_8R_5TC_{19}X_9G_{15}$ IDVAR (2) NDV

② = $N_{24}$

TABLE II. - Concluded.

TEST: OA172 — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE:

ALPHA SWEEPS

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. M | PARAMETERS/VALUES δe | δa | δr | δSR | δBF | h/bw | NO. OF RUNS | ANGLE OF SIDESLIP ° | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RFG120 | ① | G | .20 | 0 | 0 | 0 | 85 | -11.7 | .125 | | 185 | |
| * 121 | | | | | | 10 | 0 | | | | 187 | |
| * 122 | | | | | | -10 | | | | | 191 | |
| 123 | | | | | | 0 | | 0 | | | 195 | |
| 124 | | | | | | | | 16.3 | | | 199 | |
| 125 | | | | | | | | -11.7 | .178 | | 203 | |
| 126 | | | | -10 | | | | | | | 213 | |
| 127 | | | | -5 | | | | | | | 211 | |
| 128 | | | | 5 | | | | | | | 210 | |
| 129 | | | | 10 | | | | | | | 212 | |
| 130 | | | | 0 | | | 25 | | | | 214 | |
| 131 | | | | | | | 55 | | | | 215 | |
| 132 | | | | | | | 85 | | | | 216 | |
| 133 | | | | | | | 0 | 0 | | | 217 | |
| 134 | | | | | | | 0 | 16.3 | | | 218 | |
| 150 | | A | | | | | 0 | -11.7 | ∞ | | ① 50 | |

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

α OR β SCHEDULES

COEFFICIENTS

α: G = 1°, 2°, 4°, 6°, 8°, 10°, 12°, 14°, 16°, 18°, 20°

① = $B_{26}C_9PR_1M_{16}TC_{13}N_{28}W_{116}E_{43}F_8V_8R_5X_9G_{15}$

IDVAR (1) IDVAR (2) NDV

* DATA UNAVAILABLE

① FORCE DATA ONLY

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 $W_{116}$.

MODEL SCALE: 0.0405 MODEL DWG: SS-A00147, Release 12

DRAWING NUMBER : VL70-000143B, -000200, -000205, -006039, -000145, VL70-000140A, -000140B

| DIMENSIONS : | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (OML: Fwd Sta. $X_o$=235), In. | 1293.3 | 52.379 |
| Length (IML: Fwd. Sta. $X_o$=238), In. | 1290.3 | 52.257 |
| Max Width(@ $X_o$ = 1528.3), In. | 264.0 | 10.692 |
| Max Depth (@ $X_o$ = 1464), In. | 250.0 | 10.125 |
| Fineness Ratio | 0.26357 | 0.26357 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - Continued.

MODEL COMPONENT: Canopy - C9

GENERAL DESCRIPTION: 140/A Orbiter Canopy
Configuration Used with Fuselage B26

Scale Model = 0.040S

DRAWING NUMBER: VL70-000140A
VL70-000143A

| DIMENSIONS: | FULL-SCALE | MODEL SCALE |
|---|---|---|
| Length (Xo 434.64 → 578.00) in | 143.36 | 5.806 |
| Max. Width (Xo = 513.13) in | 152.41 | 6.173 |
| Max. Depth (Xo = 485.00) in | 25.00 | 1.013 |
| Fineness Ratio | | |
| Area | | |
| Max. Cross-Sectional | | |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - Continued.

MODEL COMPONENT: ELEVON - $E_{43}$

GENERAL DESCRIPTION: Configuration 140A/B orbiter elevon.

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

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-C00200, VL70-006089 VL70-006092

DIMENSIONS:

| | FULL-SCALE | MODEL SCALE |
|---|---|---|
| Area - $Ft^2$ | 210.00 | 0.344 |
| Span (equivalent), In. | 349.2 | 14.143 |
| Inb'd equivalent chord, In. | 118.004 | 4.779 |
| Outb'd equivalent chord, In. | 55.192 | 2.235 |
| 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 | 0.0 | 0.0 |
| Tailing Edge | -10.056 | -10.056 |
| Hingeline | 0.0 | 0.0 |
| Area Moment (Product of area and $\bar{c}$) Normal to hingeline, $Ft^3$ | 1587.25 | 0.105 |
| Mean Aerodynamic Chord, In. | 90.7 | 3.673 |

TABLE III. - Continued.

MODEL COMPONENT : BODY FLAP - $F_8$

GENERAL DESCRIPTION : Configuration 140A/B Orbiter body flap.

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

MODEL SCALE: 0.0405 MODEL DWG: SS-A00147, Release 12

DRAWING NUMBER : VL70-000140A, -000145

| DIMENSIONS : | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length ($X_o$=1520 to $X_o$=1613), In. | 93.00 | 3.767 |
| Max Width, In. | 262.00 | 10.611 |
| Max Depth ($X_o$ = 1520), In. | 23.00 | 0.932 |
| Fineness Ratio | | |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | | |
| Planform | 150.525 | 0.247 |
| Wetted | | |
| Base | 41.847 | 0.0686 |

TABLE III. - Continued.

COMPONENT MODEL: LANDING GEAR - G15

GENERAL DESCRIPTION: Main and nose landing gear door and struts.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140/SS-A00149.

| DIMENSIONS: | FULL SCALE | MODEL SCALE |
|---|---|---|
| NOSE GEAR: | | |
| No. Wheels | 2 | 2 |
| Wheel axis: | | |
| Fuselage Station | 374.741 | 15.177 |
| Waterline | 221.506 | 8.971 |
| Pivot axis: | | |
| Fuselage Station | 375.506 | 15.208 |
| Waterline | 298.000 | 12.069 |
| Strut Diameter - In. | 7.716 | 0.3125 |
| Wheel Diameter - In. | 32.000 | 1.296 |
| Wheel Width - In. | 8.790 | 0.356 |
| Wheel centerline-to-centerline width - In. | 22.000 | 0.891 |
| Side Door: | | |
| Height (follows body contour) - In. | 18.518 | 0.750 |
| Leading Edge location, F.S. | 272.049 | 11.018 |
| Trailing Edge location, F.S. | 381.926 | 15.468 |
| MAIN GEAR (Two Struts): | | |
| No. of wheels (per strut) | 2 | 2 |
| Wheel axis: | | |
| Fuselage Station | 1171.086 | 47.429 |
| Waterline | 175.432 | 7.105 |
| Pivot Axis: | | |
| Fuselage Station | 1180.000 | 47.790 |
| Waterline | 283.012 | 11.462 |
| Main Strut Diameter - In. | 9.568 | 0.3875 |
| Wheel Diameter - In. | 44.198 | 1.790 |
| Wheel Width - In. | 16.049 | 0.650 |
| Wheel centerline-to-centerline width - In. | 36.000 | 1.458 |
| Side Door: | | |
| Length - In. | 148.148 | 6.000 |
| Width - In. | 61.728 | 2.500 |

TABLE III. - Continued.

MODEL COMPONENT: Orbital Maneuvering System - M16

GENERAL DESCRIPTION: 140C Orbiter OMS/RCS Pods.

Scale Model = .0405

DRAWING NUMBER: VL70-008401
VL70-008410

| DIMENSIONS: | FULL-SCALE | MODEL SCALE |
|---|---|---|
| Length (OMS Fwd Sta. $X_o$=1310.5)-in. | 258.50 | 10.469 |
| Max. Width ($X_o$=1511.0)-in. | 136.80 | 5.540 |
| Max. Depth (X =1511.0)-in. | 74.70 | 3.025 |
| Fineness Ratio | 2.484 | 2.484 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 58.864 | 0.097 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - Continued.

MODEL COMPONENT: MPS NOZZLES - $N_{24}$

GENERAL DESCRIPTION: Configuration 140A/B orbiter MPS nozzles.

MODEL SCALE: .0405

DRAWING NUMBER: VL70-005030A, VL70-000140A

| DIMENSIONS: | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length - In. | | |
| Gimbal Point to Exit Plane | 157.0 | 6.359 |
| Throat to Exit Plane | 99.2 | 4.018 |
| Diameter - In. | | |
| Exit | 91.00 | 3.686 |
| Throat | | |
| Inlet | | |
| Area - $ft^2$ | | |
| Exit | 45.166 | 0.0741 |
| Throat | | |
| Gimbal Point (Station) - In. | | |
| Upper Nozzle | | |
| $X_o$ | 1445.00 | 58.523 |
| $Y_o$ | 0.0 | 0.0 |
| $Z_o$ | 443.00 | 17.942 |
| Lower Nozzles | | |
| $X_o$ | 1468.17 | 59.461 |
| $Y_o$ | ±53.00 | +2.147 |
| $Z_o$ | 342.640 | 13.877 |
| Null Position - Deg. | | |
| Upper Nozzle | | |
| Pitch | 16° | 16° |
| Yaw | 0 | 0 |
| Lower Nozzle | | |
| Pitch | 10 | 10 |
| Yaw | 3.5 | 3.5 |

TABLE III. - Continued.

MODEL COMPONENT: OMS NOZZLES - $N_{28}$

GENERAL DESCRIPTION: Configuration 140A/B orbiter OMS nozzles

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140 (Location), SS-A00106, Rel. 5 (Contour)

| DIMENSIONS: | | FULL SCALE | MODEL SCALE |
|---|---|---|---|
| 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 ~~Upper~~ Nozzle | | | |
| $X_o$ | | 1518.0 | 61.479 |
| $Y_o$ | | - 88.00 | - 3.564 |
| $Z_o$ | | 492.00 | 19.93 |
| Right ~~Lower~~ Nozzles | | | |
| Xo | | 1518.0 | 61.479 |
| Yo | | 88.0 | 3.564 |
| Zo | | 492.0 | 19.93 |
| Null Position - Deg. | | | |
| Left ~~Upper~~ Nozzle | | | |
| Pitch | | $15^o49'$ | $15^o49'$ |
| Yaw | OUTB'D | $12^o17'$ | $12^o17'$ |
| Right ~~Lower~~ Nozzle | | | |
| Pitch | | $15^o49'$ | $15^o49'$ |
| Yaw | OUTB'D | $12^o17'$ | $12^o17'$ |

TABLE III. - Continued.

MODEL COMPONENT: NOSE PROBE - $PR_1$

GENERAL DESCRIPTION: Flight test nose probe simulation used with $B_{26}$ and $B_{70}$. The probe is at a -5 deg. incidence angle (nose down) with respect to the FRP.

Scale Model = 0.0405

DRAWING NUMBER: VL70-327001A
SS-A01680, Rosemount 00855-1153

| DIMENSIONS: | | FULL-SCALE | MODEL SCALE |
|---|---|---|---|
| Length, in. | | 215.325 | 8.721 |
| Max. Width, in. | | 6.201 | 0.251 |
| Angle from Freestream, deg. | | -5.00 | -5.00 |
| Fineness Ratio | | 0.0288 | 0.0288 |
| Area $In^2$ | | | |
| Max. Cross-Sectional | | 30.200 | 0.0495 |
| Planform | | | |
| Wetted | | | |
| Base | | | |
| Boom ℄ intersects OML on | | | |
| Orbiter nose at | $X_o$ | 23.067 | 9.642 |
| | $Z_o$ | 349.017 | 14.135 |
| Probe C at tip LE is located at | $X_o$ | 23.561 | 0.954 |
| | $Z_o$ | 330.251 | 13.375 |

TABLE III. - Continued.

MODEL COMPONENT: RUDDER - $R_5$

GENERAL DESCRIPTION: Configuration 140C orbiter rudder (identical to configuration 140A/B rudder).

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000146B, VL70-000095

DIMENSIONS:

| | FULL-SCALE | MODEL SCALE |
|---|---|---|
| Area - $Ft^2$ | 100.15 | 0.1643 |
| Span (equivalent), In. | 201.00 | 8.141 |
| Inb'd equivalent chord, In. | 91.585 | 3.709 |
| Outb'd equivalent chord , In. | 50.833 | 2.059 |
| 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 |
| Tailing Edge | 26.25 | 26.25 |
| Hingeline | 34.83 | 34.83 |
| Area Moment (Product of area and $\bar{c}$) (Normal to hinge line), $Ft^3$ | 610.92 | 0.0406 |
| Mean aerodynamic chord, In. | 73.20 | 2.965 |

TABLE III. - Continued.

MODEL COMPONENT: Tailcone - $TC_{19}$

GENERAL DESCRIPTION: Afterbody tailcone used with body B26 to simulate the orbiter ferry configuration (Drwg. VL70-30-330-02).

Scale Model = 0.0405

DRAWING NUMBER: SS-A01680
VL70-30-330-02

| DIMENSIONS: | FULL-SCALE | MODEL SCALE |
|---|---|---|
| Length (TE @ $X_o$ 1900), in. | 459.3 | 18.602 |
| Max. Width (@ $X_o$ 1523), in. | 303 | 12.272 |
| Max. Depth (@ $X_o$ 1466), in. | 286 | 11.583 |
| Area, $ft^2$ | | |
| Max. Cross-Sectional ($X_o$ 1523) | 504.6 | 0.828 |
| Frontal | 469.9 | 0.771 |

TABLE III. - Continued.

MODEL COMPONENT: VERTICAL - $V_8$

GENERAL DESCRIPTION: Configuration 140C vertical tail (identical to configuration 140 A/B vertical tail).

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140C, VL70-000146B

| DIMENSIONS: | FULL SCALE | MODEL SCALE |
|---|---|---|
| TOTAL DATA | | |
| Area (Theo) - $Ft^2$ | | |
| Planform | 413.253 | 0.678 |
| Span (Theo) - In. | 315.72 | 12.787 |
| 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 | 45.00 | 45.00 |
| Trailing Edge | 26.25 | 26.25 |
| 0.25 Element Line | 41.13 | 41.13 |
| Chords: | | |
| Root (Theo) WP | 268.50 | 10.874 |
| Tip (Theo) WP | 108.47 | 4.393 |
| MAC | 199.81 | 8.092 |
| Fus. Sta. of .25 MAC | 1463.35 | 59.272 |
| W.P. of .25 MAC | 635.52 | 25.738 |
| B.L. of .25 MAC | 0.00 | 0.00 |
| Airfoil Section | | |
| Leading Wedge Angle - Deg. | 10.00 | 10.00 |
| Trailing Wedge Angle - Deg. | 14.92 | 14.92 |
| Leading Edge Radius | 2.00 | 0.081 |
| Void Area | 13.17 | 0.022 |
| Blanketed Area | 0.0 | 0.0 |

TABLE III. - Continued.

MODEL COMPONENT: Wing - W116

GENERAL DESCRIPTION: 140A/B Orbiter Double Delta Wing Configuration

DRAWING NUMBER: VL70-000140B
VL70-000200

| DIMENSIONS: | FULL-SCALE | MODEL SCALE |
|---|---|---|
| **TOTAL DATA** | | |
| Area - $Ft^2$ | | |
| Planform (Theoretical) | 2690.00 | 4.412 |
| Wetted | | |
| Span (equivalent) - in. | 936.68 | 37.936 |
| Aspect Ratio | 2.265 | 2.265 |
| Rate of Taper | 1.177 | 1.177 |
| Taper Ratio | 0.200 | 0.200 |
| Diehedral 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: ~ in. | | |
| Root (Wing Sta. 0.0) | 689.24 | 27.914 |
| Tip, (equivalent) | 137.85 | 5.583 |
| MAC | 474.81 | 19.230 |
| Fus. Sta. of .25 MAC | 1136.83 | 46.042 |
| W.P. of .25 MAC | 290.58 | 11.768 |
| B.L. of .25 MAC | 182.13 | 7.376 |
| Airfoil Section | | |
| Root | Mod. NASA | XXXX-64 |
| Tip | " | |
| **EXPOSED DATA** | | |
| Area ~ $ft^2$ | 1751.50 | 2.873 |
| Span, (equivalent) ~ in. | 720.63 | 29.188 |
| Aspect Ratio | 2.059 | 2.059 |
| Taper Ratio | 0.245 | 0.245 |
| Chords ~ in. | | |
| Root | 562.09 | 22.765 |
| Tip | 137.85 | 5.583 |
| MAC | 392.83 | 15.910 |
| Fus. Sta. of .25 MAC | 1185.98 | 48.632 |
| W.P. of .25 MAC | 294.30 | 11.919 |
| B.L. of .25 MAC | 251.77 | 10.197 |
| CUFF DATA (1 of 2 sides)~Area-$Ft^2$ | 113.18 | 0.186 |
| L.E. Intersects Fus. ML @ Sta. | 500.00 | 20.250 |
| Wing @ Sta. | 1024.00 | 41.472 |

TABLE III. - Continued.

MODEL COMPONENT: TRANSITION GRIT - $X_9$

GENERAL DESCRIPTION: Grit located on model nose and all swept surfaces to provide forced boundary layer transition.

MODEL SCALE: 0.0405

DIMENSIONS:

| | |
|---|---|
| Nominal grit diameter, In. | |
| Fuselage | 0.0054 |
| Surfaces | 0.0076 |
| Strip width, In. | 0.10 |
| Location - inches aft (streamwise) of local leading edges | 1.00 |

TABLE III. - Concluded.

MODEL COMPONENT: TRANSITION GRIT, $X_{37}$

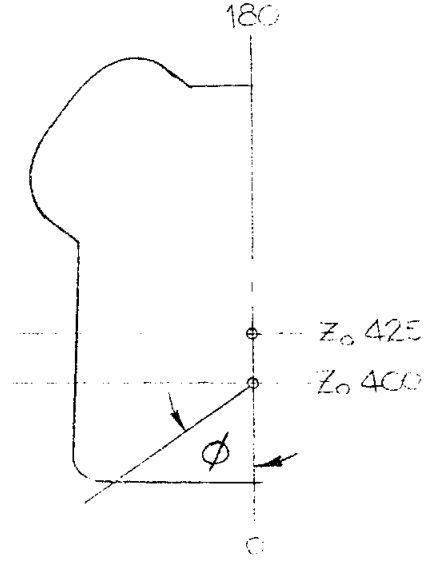
GENERAL DESCRIPTION: Modification of grit configuration $X_9$. Single grit strip (.0076) is extended from cuff LE to grit ring on model nose.

MODEL SCALE: 0.0405

TABLE IV.

| X/LB | $X_o$ (in.) | $Z_o$ OF $\phi$ CENTER | $\phi$, DEG. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 44.8 | 50.1 | 101.4 | 115.6 | 133.8 | 149.1 | 180.0 |
| 0.997 | 1525 | 400 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1.017 | 1550 | 400 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1.055 | 1600 | 400 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1.094 | 1650 | 400 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 1.249 | 1850 | 425 | 33 | 34 | 35 | - | - | - | - | 36 |
| 1.281 | 1890.7 | 425 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |
| 1.288 | 1900 | 425 | 45 | - | - | - | - | - | - | - |

$X_o = 238 + (\frac{X}{LB}) * (1290.3)$, inches (Full Scale)




Tail Cone Pressure Locations

**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

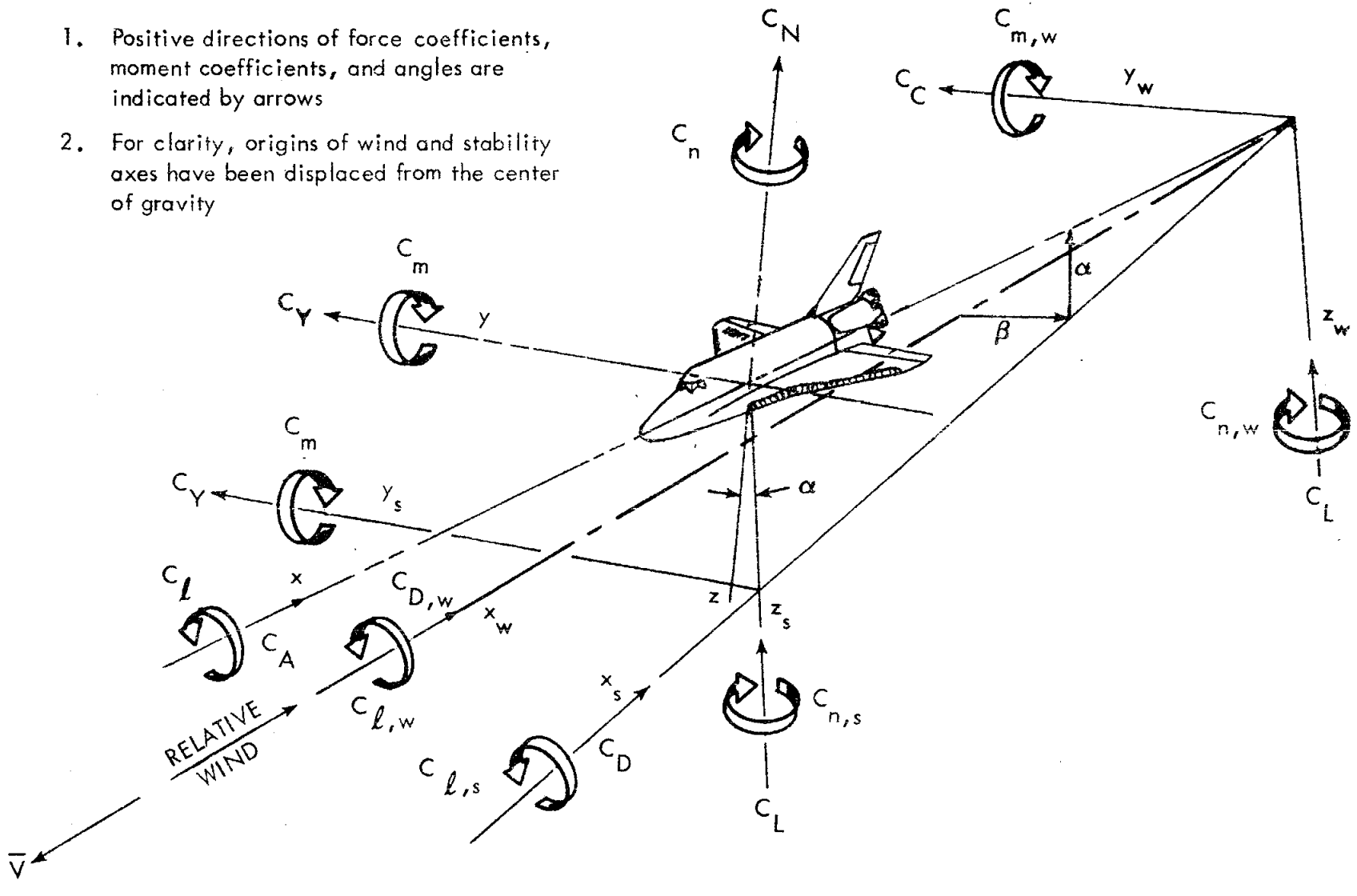
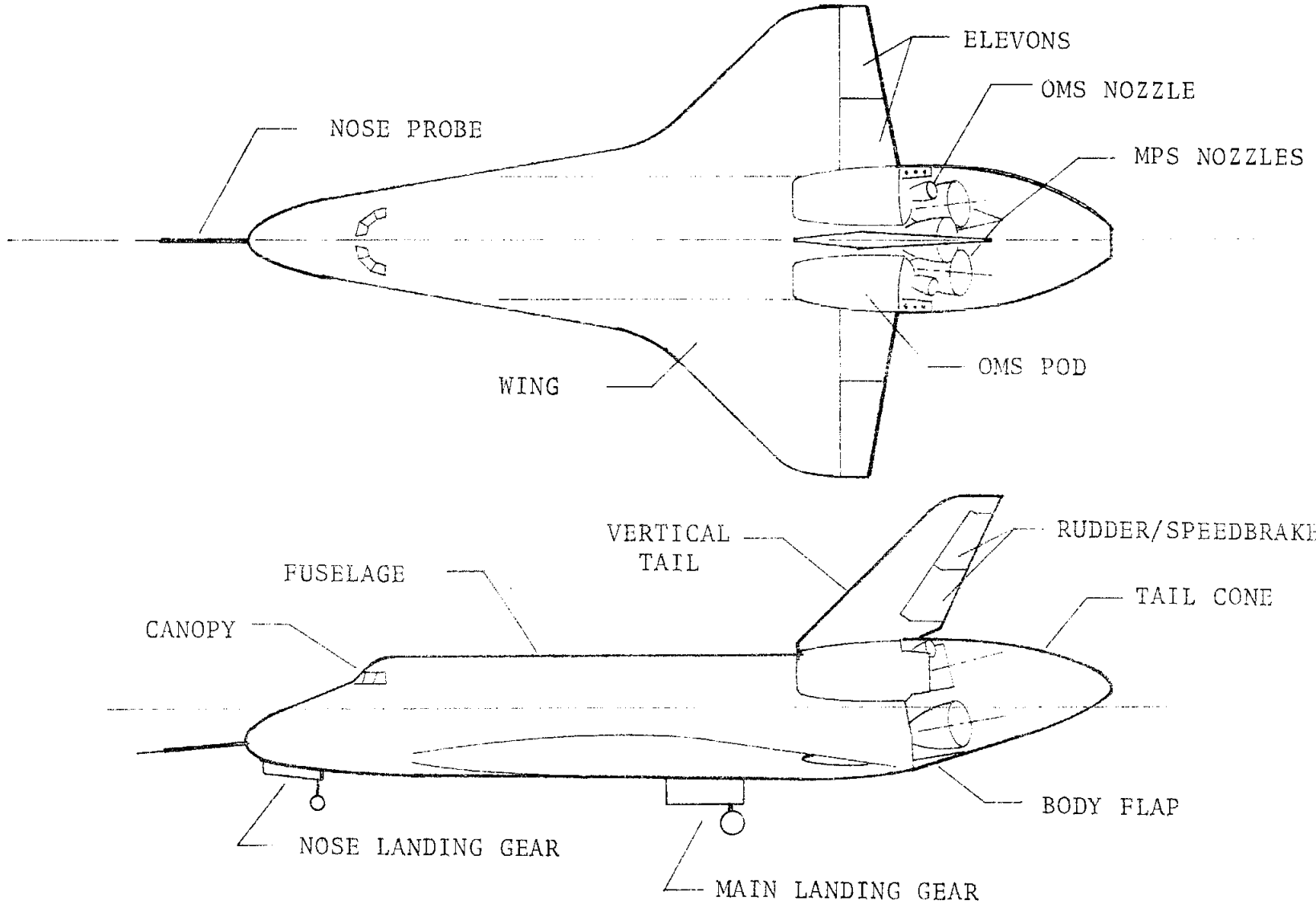
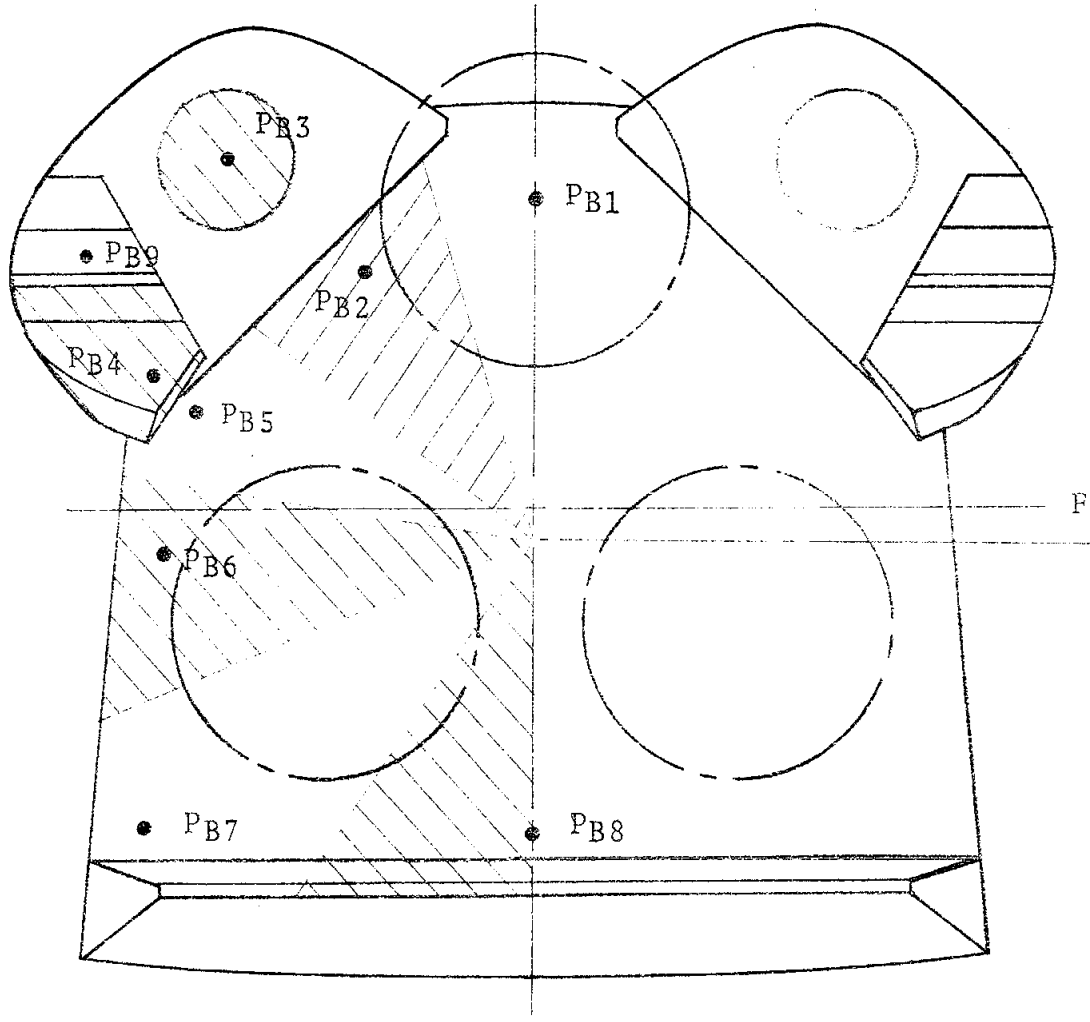



Figure 1. - Axis systems.




a. Orbiter Configuration

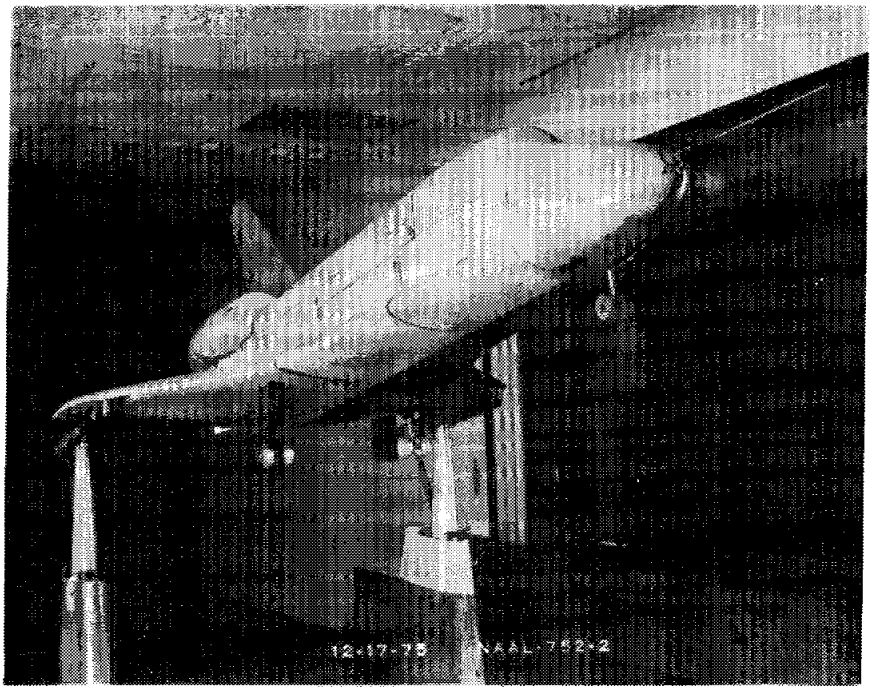
Figure 2 Model Sketches



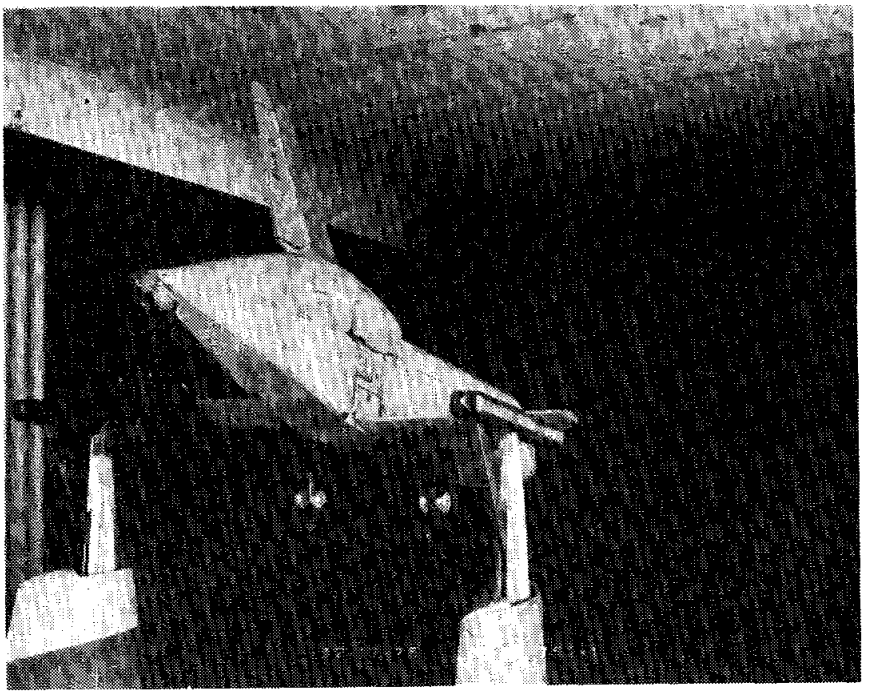

| TAP | W.P. (IN.) | B.P. (IN.) | AREA ($FT^2$) |
|---|---|---|---|
| $P_{B1}$ | 489 | 0 | 30.67 |
| $P_{B2}$ | 469 | 49 | 48.67 |
| $P_{B3}$ | 505 | 90 | 18.67 |
| $P_{B4}$ | 439 | 111 | 22.11 |
| $P_{B5}$ | 428 | 99 | 43.33 |
| $P_{B6}$ | 386 | 108 | 59.56 |
| $P_{B7}$ | 305 | 114 | 86.78 |
| $P_{B8}$ | 303 | 0 | 49.00 |
| $P_{B9}$ | 471 | 130 | 78.00 |
| | | Total | =436.79 $Ft^2$ |

b. Orbiter Base Pressure Locations

Figure 2. Model Sketches (Concluded)

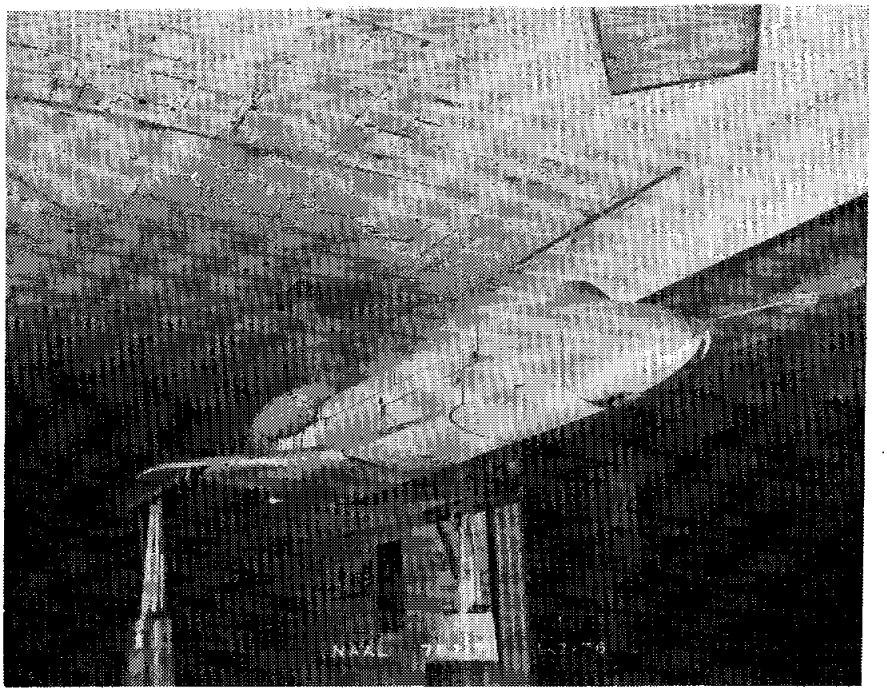


a. Front 3/4, Ground Plane Out

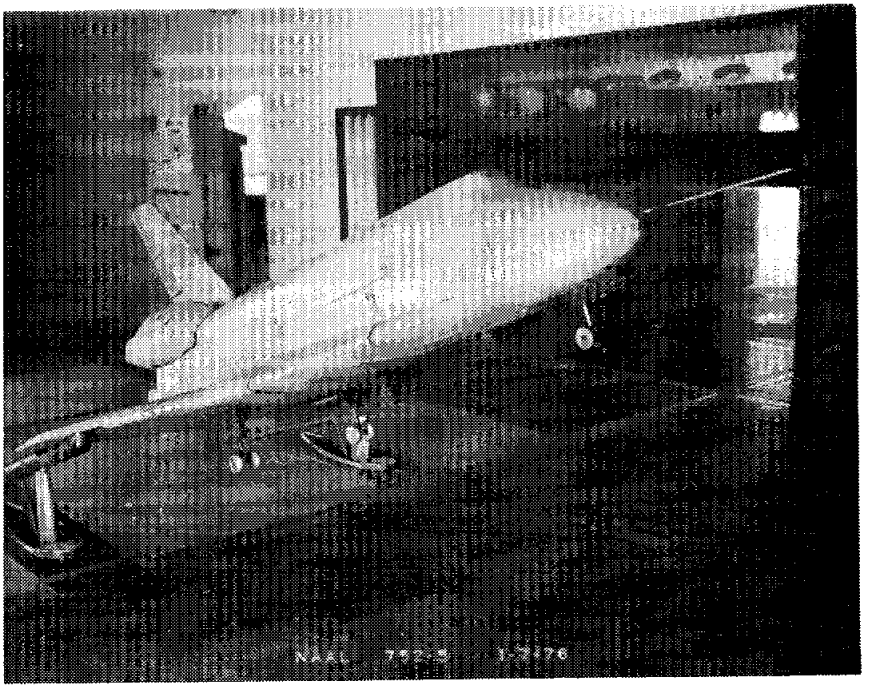


b. Rear 3/4, Ground Plane Out

Figure 3. Model Installation Photographs



c. Front 3/4, Gear Off, Ground Plane Out



d. Front 3/4, Ground Plane In

Figure 3. Model Installation Photographs (Concluded)

# APPENDIX

## TABULATED SOURCE DATA


Force pages 1-127

Pressure pages 128-504


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

OA172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG001) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .130 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 2/ 0 RN/L = .92 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.340 | -9.970 | .55530 | .12480 | -.04860 | .56870 | .02302 | .20700 | -.01350 | .02420 | .68300 |
| 10.340 | -7.980 | .54880 | .12460 | -.04490 | .56230 | .02401 | .16200 | -.00940 | .02080 | .68100 |
| 10.340 | -5.940 | .54320 | .12640 | -.04380 | .55710 | .02685 | .11300 | -.00460 | .01680 | .68100 |
| 10.330 | -3.990 | .53770 | .12650 | -.03770 | .55170 | .02805 | .06800 | -.00020 | .01360 | .67700 |
| 10.340 | -2.000 | .53680 | .12410 | -.03810 | .55030 | .02574 | .02600 | .00180 | .00950 | .67700 |
| 10.330 | -.980 | .53480 | .12520 | -.03750 | .54860 | .02725 | .00700 | .00210 | .00690 | .67700 |
| 10.330 | .000 | .53360 | .12510 | -.03590 | .54740 | .02733 | -.01700 | .00570 | .00510 | .67600 |
| 10.330 | .990 | .53350 | .12400 | -.03490 | .54710 | .02630 | -.04100 | .00840 | .00330 | .67500 |
| 10.330 | 1.990 | .53620 | .12300 | -.03910 | .54960 | .02486 | -.06200 | .01010 | .00110 | .67800 |
| 10.330 | 4.020 | .53660 | .12350 | -.04390 | .55000 | .02526 | -.10500 | .01320 | -.00260 | .68100 |
| 10.340 | 5.970 | .54270 | .12220 | -.04790 | .55580 | .02283 | -.14900 | .01720 | -.00690 | .68400 |
| 10.340 | 7.980 | .54750 | .12260 | -.05370 | .56070 | .02232 | -.19700 | .02110 | -.01120 | .68700 |
| 10.340 | 10.010 | .55120 | .12090 | -.05900 | .56400 | .01998 | -.24400 | .02540 | -.01480 | .69000 |
| | GRADIENT | -.00016 | -.00037 | -.00058 | -.00023 | -.00033 | -.02181 | .00182 | -.00203 | .00038 |

OA172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG002) ( 12 MAR 78 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPOBRK = .000 BDFLAP = -11.700

RUN NO. 6/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| -5.190 | -9.960 | -.15950 | .08530 | -.04750 | -.16660 | .07050 | .24600 | -.02590 | .00060 | .54700 |
| -5.200 | -7.980 | -.16350 | .08710 | -.04870 | -.17070 | .07200 | .20300 | -.02280 | .00260 | .54700 |
| -5.200 | -5.960 | -.16570 | .09230 | -.04870 | -.17340 | .07694 | .15100 | -.01630 | .00390 | .54800 |
| -5.200 | -3.990 | -.16880 | .09670 | -.04850 | -.17690 | .08098 | .09400 | -.00880 | .00550 | .55100 |
| -5.200 | -1.990 | -.16940 | .10020 | -.04730 | -.17780 | .08450 | .03300 | .00000 | .00660 | .55400 |
| -5.200 | -1.010 | -.16950 | .10130 | -.04740 | -.17800 | .08555 | .00400 | .00400 | .00750 | .55400 |
| -5.200 | .000 | -.16980 | .10180 | -.04760 | -.17830 | .08602 | -.02400 | .00780 | .00800 | .55400 |
| -5.200 | .990 | -.16980 | .10170 | -.04750 | -.17840 | .08593 | -.05100 | .01120 | .00890 | .55400 |
| -5.200 | 1.980 | -.16740 | .10060 | -.04870 | -.17580 | .08510 | -.07900 | .01480 | .00960 | .55000 |
| -5.200 | 4.000 | -.16310 | .09740 | -.05180 | -.17130 | .08226 | -.13400 | .02130 | .01040 | .54000 |
| -5.190 | 5.980 | -.15960 | .09450 | -.05440 | -.16750 | .07971 | -.18700 | .02770 | .01060 | .53200 |
| -5.200 | 7.970 | -.15630 | .09030 | -.05530 | -.16380 | .07585 | -.23900 | .03480 | .01000 | .52800 |
| -5.190 | 9.970 | -.15490 | .08660 | -.05530 | -.16210 | .07224 | -.29000 | .03980 | .01170 | .52600 |
| | GRADIENT | .00063 | .00009 | -.00039 | .00062 | .00016 | -.02842 | .00375 | .00064 | -.00124 |

RUN NO. 7/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .050 | -9.960 | .08620 | .07170 | -.05570 | .08630 | .07170 | .23000 | -.02220 | .00870 | .88900 |
| .050 | -7.980 | .08610 | .07450 | -.05520 | .08610 | .07442 | .18500 | -.01910 | .00910 | .88800 |
| .050 | -5.970 | .08230 | .08050 | -.05150 | .08240 | .08042 | .13300 | -.01190 | .00910 | .88200 |
| .050 | -3.980 | .08050 | .08560 | -.04940 | .08060 | .08553 | .08000 | -.00490 | .00850 | .87700 |
| .050 | -2.000 | .07570 | .08880 | -.04710 | .07580 | .08876 | .02800 | .00130 | .00780 | .88000 |
| .050 | -1.010 | .07590 | .08950 | -.04610 | .07600 | .08949 | .00100 | .00450 | .00750 | .87500 |
| .050 | .000 | .07620 | .08930 | -.04630 | .07630 | .08925 | -.02300 | .00740 | .00750 | .87500 |
| .050 | .990 | .07460 | .08900 | -.04620 | .07470 | .08895 | -.04800 | .01020 | .00710 | .87900 |
| .050 | 1.990 | .07610 | .08830 | -.04790 | .07620 | .08829 | -.07300 | .01290 | .00690 | .88300 |
| .050 | 3.990 | .08110 | .08550 | -.05140 | .08110 | .08547 | -.12300 | .01820 | .00590 | .88500 |
| .050 | 5.970 | .08380 | .08160 | -.05550 | .08390 | .08160 | -.17200 | .02380 | .00460 | .89500 |
| .050 | 7.980 | .08840 | .07590 | -.05860 | .08850 | .07585 | -.22400 | .03150 | .00310 | .89500 |
| .050 | 9.980 | .08930 | .07180 | -.06170 | .08930 | .07179 | -.27200 | .03590 | .00330 | .90600 |
| | GRADIENT | .00005 | -.00005 | -.00023 | .00004 | -.00004 | -.02539 | .00290 | -.00030 | .00100 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG002) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 8/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 5.320 | -9.960 | .32150 | .08520 | -.05480 | .32800 | .05509 | .21400 | -.01690 | .01640 | .71300 |
| 5.320 | -7.980 | .32090 | .08760 | -.05230 | .32770 | .05750 | .16900 | -.01350 | .01430 | .71100 |
| 5.320 | -5.960 | .31510 | .09130 | -.04630 | .32230 | .06168 | .12200 | -.00790 | .01240 | .70500 |
| 5.320 | -3.990 | .31370 | .09290 | -.04420 | .32100 | .06345 | .07300 | -.00290 | .01000 | .70300 |
| 5.320 | -2.000 | .30820 | .09540 | -.04170 | .31570 | .06646 | .02800 | .00130 | .00730 | .70000 |
| 5.320 | -1.000 | .30830 | .09550 | -.04060 | .31580 | .06654 | .00300 | .00430 | .00690 | .69900 |
| 5.320 | .000 | .30820 | .09560 | -.03990 | .31570 | .06666 | -.01900 | .00630 | .00570 | .69800 |
| 5.320 | .980 | .30890 | .09530 | -.04030 | .31640 | .06628 | -.04200 | .00820 | .00490 | .69900 |
| 5.320 | 1.980 | .31020 | .09490 | -.04250 | .31770 | .06569 | -.06500 | .01000 | .00420 | .70100 |
| 5.320 | 3.980 | .31230 | .09210 | -.04550 | .31950 | .06274 | -.11100 | .01460 | .00220 | .70400 |
| 5.320 | 5.970 | .31520 | .09000 | -.05000 | .32220 | .06043 | -.15800 | .01930 | -.00040 | .70900 |
| 5.320 | 7.980 | .32050 | .08620 | -.05450 | .32720 | .05611 | -.20700 | .02530 | -.00320 | .71300 |
| 5.320 | 9.970 | .32370 | .08450 | -.05960 | .33010 | .05414 | -.25300 | .02890 | -.00530 | .71800 |
| | GRADIENT | -.00002 | -.00011 | -.00016 | -.00003 | -.00011 | -.02312 | .00218 | -.00094 | .00014 |

RUN NO. 9/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.590 | -9.960 | .57090 | .12700 | -.05700 | .58450 | .01988 | .21000 | -.01530 | .02240 | .68800 |
| 10.580 | -7.990 | .56290 | .12830 | -.05230 | .57690 | .02270 | .16200 | -.01010 | .01930 | .68500 |
| 10.580 | -5.960 | .55670 | .12860 | -.04730 | .57080 | .02413 | .11500 | -.00530 | .01530 | .68200 |
| 10.580 | -3.990 | .54980 | .12910 | -.04210 | .56410 | .02601 | .07100 | -.00140 | .01280 | .67900 |
| 10.580 | -2.000 | .55020 | .12780 | -.04080 | .56430 | .02460 | .02800 | .00090 | .00920 | .67800 |
| 10.580 | -1.000 | .54810 | .12820 | -.03880 | .56230 | .02532 | .00600 | .00260 | .00700 | .67700 |
| 10.580 | .000 | .54630 | .12800 | -.03810 | .56060 | .02551 | -.01600 | .00490 | .00510 | .67700 |
| 10.580 | .990 | .54740 | .12770 | -.03950 | .56150 | .02506 | -.03900 | .00720 | .00320 | .67800 |
| 10.580 | 1.980 | .54820 | .12710 | -.04070 | .56220 | .02434 | -.06000 | .00890 | .00160 | .67900 |
| 10.570 | 3.990 | .54870 | .12720 | -.04480 | .56270 | .02429 | -.10300 | .01150 | -.00250 | .68100 |
| 10.580 | 5.970 | .55400 | .12540 | -.04980 | .56760 | .02160 | -.14700 | .01530 | -.00600 | .68400 |
| 10.580 | 7.980 | .55750 | .12520 | -.05340 | .57110 | .02075 | -.19700 | .02040 | -.01010 | .68600 |
| 10.580 | 10.000 | .56650 | .12360 | -.05820 | .57960 | .01741 | -.24500 | .02500 | -.01390 | .68900 |
| | GRADIENT | -.00022 | -.00023 | -.00027 | -.00025 | -.00018 | -.02190 | .00172 | -.00192 | .00026 |

0A172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG002) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 10/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 15.880 | -9.960 | .85830 | .21770 | -.07000 | .88510 | -.02548 | .20900 | -.01420 | .02470 | .68100 |
| 15.880 | -7.980 | .85200 | .21980 | -.06340 | .87970 | -.02164 | .15900 | -.00800 | .02080 | .67800 |
| 15.880 | -5.980 | .84440 | .21970 | -.05490 | .87230 | -.01977 | .11700 | -.00410 | .01710 | .67500 |
| 15.880 | -3.990 | .83970 | .21910 | -.05120 | .86760 | -.01906 | .07200 | -.00090 | .01270 | .67400 |
| 15.880 | -2.000 | .84080 | .22080 | -.05110 | .86910 | -.01774 | .02800 | .00250 | .00770 | .67300 |
| 15.880 | -1.010 | .84030 | .21920 | -.05180 | .86820 | -.01912 | .00700 | .00410 | .00540 | .67400 |
| 15.880 | .000 | .83850 | .21690 | -.04890 | .86590 | -.02086 | -.01700 | .00690 | .00280 | .67300 |
| 15.880 | .990 | .83740 | .21770 | -.04940 | .86500 | -.01972 | -.03800 | .00850 | .00020 | .67300 |
| 15.880 | 1.980 | .83800 | .21860 | -.04970 | .86580 | -.01902 | -.06100 | .00950 | -.00180 | .67300 |
| 15.870 | 3.980 | .83680 | .21680 | -.05210 | .86420 | -.02035 | -.10300 | .01160 | -.00580 | .67400 |
| 15.870 | 5.970 | .84070 | .21820 | -.05630 | .86830 | -.02013 | -.14500 | .01340 | -.00980 | .67600 |
| 15.870 | 7.970 | .84760 | .21710 | -.06470 | .87470 | -.02301 | -.19000 | .01730 | -.01380 | .67900 |
| 15.870 | 9.990 | .85750 | .21700 | -.07530 | .88420 | -.02585 | -.23900 | .02290 | -.01820 | .68300 |
| | GRADIENT | -.00048 | -.00035 | .00004 | -.00056 | -.00020 | -.02208 | .00163 | -.00235 | -.00002 |

RUN NO. 11/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 21.200 | -9.960 | 1.12800 | .36400 | -.07800 | 1.18330 | -.06876 | .21300 | -.01650 | .03580 | .67600 |
| 21.210 | -7.980 | 1.13040 | .36790 | -.07610 | 1.18690 | -.06593 | .16400 | -.01040 | .03120 | .67500 |
| 21.210 | -5.980 | 1.12090 | .37240 | -.06770 | 1.17970 | -.05838 | .11700 | -.00340 | .02660 | .67300 |
| 21.210 | -3.990 | 1.11500 | .37200 | -.05780 | 1.17410 | -.05677 | .06600 | .00260 | .02170 | .67000 |
| 21.220 | -2.000 | 1.12500 | .37840 | -.06520 | 1.18570 | -.05450 | .02200 | .00710 | .01460 | .67200 |
| 21.220 | -1.010 | 1.12640 | .37860 | -.06650 | 1.18700 | -.05487 | .00000 | .00940 | .01060 | .67200 |
| 21.220 | .000 | 1.12460 | .37730 | -.06600 | 1.18490 | -.05538 | -.02400 | .01140 | .00670 | .67200 |
| 21.220 | .980 | 1.12230 | .37610 | -.06450 | 1.18240 | -.05565 | -.04700 | .01380 | .00380 | .67200 |
| 21.210 | 1.990 | 1.11750 | .37410 | -.06190 | 1.17720 | -.05564 | -.06900 | .01520 | .00010 | .67100 |
| 21.210 | 3.980 | 1.10680 | .36950 | -.05500 | 1.16550 | -.05595 | -.11100 | .01780 | -.00650 | .66900 |
| 21.200 | 5.970 | 1.10410 | .36510 | -.05770 | 1.16140 | -.05892 | -.15600 | .02130 | -.01350 | .67000 |
| 21.200 | 7.980 | 1.10980 | .36090 | -.06710 | 1.16520 | -.06483 | -.19600 | .02330 | -.01950 | .67300 |
| 21.190 | 9.990 | 1.11050 | .35700 | -.07390 | 1.16450 | -.06862 | -.24600 | .02880 | -.02640 | .67500 |
| | GRADIENT | -.00124 | -.00051 | .00047 | -.00134 | .00001 | -.02239 | .00194 | -.00355 | -.00014 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG003) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .260 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 4/ 0 RN/L = 1.84 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.920 | -9.970 | .60070 | .13420 | -.05720 | .61520 | .01797 | .20900 | -.01500 | .02400 | .68600 |
| 10.920 | -7.990 | .59200 | .13570 | -.05140 | .60700 | .02112 | .16300 | -.01040 | .02020 | .68300 |
| 10.920 | -5.970 | .58550 | .13550 | -.04710 | .60060 | .02216 | .11500 | -.00530 | .01620 | .68100 |
| 10.920 | -4.020 | .58210 | .13640 | -.04270 | .59740 | .02367 | .07100 | -.00090 | .01320 | .67800 |
| 10.920 | -2.000 | .57810 | .13470 | -.04030 | .59320 | .02272 | .02600 | .00210 | .00880 | .67700 |
| 10.920 | -1.020 | .57790 | .13440 | -.03860 | .59290 | .02251 | .00500 | .00330 | .00640 | .67600 |
| 10.910 | .000 | .57400 | .13410 | -.03660 | .58900 | .02306 | -.01700 | .00530 | .00430 | .67500 |
| 10.910 | .980 | .57600 | .13350 | -.03850 | .59080 | .02201 | -.04000 | .00790 | .00220 | .67600 |
| 10.910 | 1.970 | .57520 | .13230 | -.03910 | .58980 | .02102 | -.06200 | .00970 | .00060 | .67600 |
| 10.910 | 3.980 | .57710 | .13250 | -.04200 | .59170 | .02096 | -.10600 | .01300 | -.00400 | .67800 |
| 10.910 | 5.960 | .58160 | .13040 | -.04650 | .59580 | .01796 | -.14700 | .01560 | -.00740 | .68100 |
| 10.900 | 7.960 | .59470 | .13210 | -.05230 | .60890 | .01729 | -.19300 | .01910 | -.01210 | .68300 |
| 10.900 | 9.990 | .60220 | .13130 | -.05720 | .61620 | .01501 | -.24200 | .02410 | -.01600 | .68600 |
| | GRADIENT | -.00066 | -.00051 | .00013 | -.00076 | -.00035 | -.02215 | .00180 | -.00213 | -.00005 |

OA172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG004) ( 12 MAR 78 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | 25.000 | BDFLAP = | -11.700 |

RUN NO. 25/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.630 | -10.000 | .56990 | .13410 | -.05110 | .58490 | .02665 | .21900 | -.01880 | .02570 | .68400 |
| 10.630 | -8.010 | .56220 | .13500 | -.04710 | .57740 | .02901 | .17000 | -.01350 | .02250 | .68200 |
| 10.630 | -6.010 | .55630 | .13550 | -.04250 | .57180 | .03059 | .12100 | -.00780 | .01820 | .67900 |
| 10.620 | -4.010 | .54880 | .13630 | -.03660 | .56450 | .03285 | .07300 | -.00250 | .01480 | .67600 |
| 10.620 | -2.030 | .54840 | .13500 | -.03510 | .56390 | .03163 | .03100 | -.00020 | .01030 | .67500 |
| 10.620 | -1.030 | .54720 | .13540 | -.03440 | .56280 | .03226 | .01000 | .00130 | .00790 | .67400 |
| 10.620 | -.020 | .54500 | .13560 | -.03340 | .56070 | .03284 | -.01200 | .00300 | .00580 | .67400 |
| 10.620 | .960 | .54520 | .13540 | -.03520 | .56080 | .03261 | -.03400 | .00500 | .00400 | .67500 |
| 10.620 | 1.960 | .54630 | .13430 | -.03650 | .56170 | .03134 | -.05600 | .00720 | .00210 | .67600 |
| 10.620 | 3.960 | .54730 | .13480 | -.03800 | .56280 | .03161 | -.10100 | .01040 | -.00210 | .67700 |
| 10.620 | 5.960 | .55130 | .13320 | -.04450 | .56640 | .02932 | -.14600 | .01430 | -.00600 | .68100 |
| 10.610 | 7.960 | .55390 | .13250 | -.04760 | .56890 | .02815 | -.19700 | .01990 | -.00990 | .68300 |
| 10.620 | 9.950 | .56170 | .13050 | -.05330 | .57610 | .02472 | -.24600 | .02570 | -.01430 | .68600 |
| | GRADIENT | -.00029 | -.00018 | -.00022 | -.00032 | -.00012 | -.02184 | .00168 | -.00210 | .00017 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG005) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 55.000 BDFLAP = -11.700

RUN NO. 27/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.590 | -9.960 | .54990 | .14790 | -.03520 | .56780 | .04430 | .21300 | -.01640 | .02410 | .67500 |
| 10.590 | -7.980 | .54130 | .14940 | -.02870 | .55960 | .04735 | .16300 | -.01030 | .02010 | .67100 |
| 10.590 | -5.970 | .53710 | .14850 | -.02510 | .55530 | .04730 | .11500 | -.00550 | .01680 | .66800 |
| 10.580 | -3.990 | .53000 | .14940 | -.02140 | .54840 | .04955 | .06800 | -.00020 | .01320 | .66600 |
| 10.580 | -2.000 | .52990 | .14740 | -.01930 | .54790 | .04762 | .02600 | .00160 | .00960 | .66500 |
| 10.580 | -1.010 | .52680 | .14780 | -.01870 | .54500 | .04653 | .00600 | .00260 | .00780 | .66400 |
| 10.580 | .000 | .52660 | .14800 | -.01760 | .54490 | .04873 | -.01400 | .00400 | .00530 | .66400 |
| 10.580 | .980 | .52660 | .14780 | -.01870 | .54480 | .04858 | -.03500 | .00540 | .00400 | .66400 |
| 10.580 | 1.980 | .52760 | .14660 | -.02000 | .54560 | .04721 | -.05600 | .00710 | .00250 | .66500 |
| 10.580 | 3.990 | .52800 | .14700 | -.02250 | .54600 | .04755 | -.09800 | .00900 | -.00140 | .66700 |
| 10.580 | 5.980 | .53460 | .14620 | -.02760 | .55230 | .04559 | -.14600 | .01450 | -.00550 | .67000 |
| 10.580 | 7.980 | .53830 | .14630 | -.03010 | .55600 | .04491 | -.19600 | .01990 | -.00950 | .67200 |
| 10.590 | 10.000 | .54930 | .14250 | -.03910 | .56620 | .03917 | -.24800 | .02680 | -.01450 | .67700 |
| | GRADIENT | -.00031 | -.00027 | -.00014 | -.00034 | -.00021 | -.02075 | .00121 | -.00182 | .00010 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG006) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700

RUN NO. 29/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.570 | -10.010 | .53250 | .16380 | -.02050 | .55350 | .06324 | .21200 | -.01620 | .02150 | .66500 |
| 10.570 | -7.990 | .52350 | .16690 | -.01450 | .54530 | .06805 | .16000 | -.00930 | .01780 | .66200 |
| 10.560 | -5.980 | .51650 | .16610 | -.01210 | .53820 | .06856 | .11300 | -.00460 | .01480 | .66000 |
| 10.560 | -3.990 | .50940 | .16630 | -.00690 | .53130 | .07009 | .06500 | .00110 | .01190 | .65700 |
| 10.560 | -2.010 | .50770 | .16450 | -.00530 | .52920 | .06864 | .02400 | .00260 | .00890 | .65600 |
| 10.560 | -1.000 | .50540 | .16480 | -.00370 | .52710 | .06941 | .00400 | .00350 | .00730 | .65400 |
| 10.560 | .000 | .50540 | .16550 | -.00430 | .52720 | .07007 | -.01500 | .00450 | .00560 | .65500 |
| 10.560 | .980 | .50470 | .16490 | -.00450 | .52640 | .06960 | -.03600 | .00580 | .00460 | .65500 |
| 10.560 | 1.970 | .50580 | .16360 | -.00580 | .52730 | .06816 | -.05700 | .00720 | .00360 | .65600 |
| 10.560 | 3.980 | .50780 | .16440 | -.00690 | .52930 | .06857 | -.09800 | .00880 | .00010 | .65700 |
| 10.560 | 5.970 | .51180 | .16310 | -.01280 | .53310 | .06651 | -.14400 | .01390 | -.00360 | .66100 |
| 10.570 | 7.980 | .52230 | .16180 | -.01900 | .54310 | .06324 | -.19600 | .02020 | -.00780 | .66500 |
| 10.580 | 10.000 | .53480 | 15720 | -.02830 | .55460 | .05632 | -.25000 | .02740 | -.01210 | .67100 |
| | GRADIENT | -.00025 | -.00022 | -.00004 | -.00030 | -.00016 | -.02042 | .00101 | -.00145 | .00002 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG007) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 39/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .070 | -9.970 | .10420 | .07410 | -.06410 | .10430 | .07405 | .23000 | -.02210 | .00990 | .87800 |
| .070 | -7.980 | .10220 | .07730 | -.06020 | .10230 | .07719 | .18400 | -.01880 | .00970 | .86900 |
| .070 | -5.950 | .09930 | .08310 | -.05800 | .09940 | .08305 | .13200 | -.01140 | .00930 | .86700 |
| .070 | -3.970 | .09400 | .08780 | -.05380 | .09410 | .08768 | .07800 | -.00420 | .00870 | .86200 |
| .070 | -2.000 | .08980 | .09030 | -.05030 | .08990 | .09027 | .02500 | .00240 | .00740 | .85800 |
| .070 | -1.000 | .08870 | .09120 | -.04940 | .08880 | .09114 | .00000 | .00570 | .00700 | .85700 |
| .070 | .000 | .08750 | .09110 | -.04960 | .08760 | .09099 | -.02600 | .00890 | .00660 | .86000 |
| .070 | .980 | .08840 | .09110 | -.04980 | .08850 | .09106 | -.05100 | .01170 | .00600 | .85900 |
| .070 | 1.980 | .08950 | .09020 | -.05040 | .08960 | .09015 | -.07700 | .01510 | .00580 | .85900 |
| .070 | 3.980 | .09330 | .08770 | -.05430 | .09340 | .08764 | -.12900 | .02140 | .00490 | .86600 |
| .070 | 5.970 | .09730 | .08390 | -.05960 | .09740 | .08381 | -.17900 | .02690 | .00370 | .87700 |
| .070 | 7.980 | .10260 | .07830 | -.06390 | .10270 | .07822 | -.23000 | .03350 | .00250 | .88100 |
| .070 | 9.980 | .10600 | .07470 | -.06730 | .10610 | .07457 | -.27900 | .03820 | .00290 | .88500 |
| | GRADIENT | -.00009 | -.00002 | -.00006 | -.00009 | -.00001 | -.02595 | .00321 | -.00046 | .00048 |

RUN NO. 40/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.610 | -9.970 | .59490 | .13500 | -.06450 | .60960 | .02315 | .21500 | -.01710 | .02400 | .69100 |
| 10.610 | -7.990 | .58640 | .13630 | -.05690 | .60150 | .02604 | .16700 | -.01190 | .02040 | .68700 |
| 10.600 | -5.980 | .57840 | .13540 | -.05060 | .59340 | .02660 | .11700 | -.00610 | .01690 | .68300 |
| 10.600 | -3.990 | .57210 | .13590 | -.04550 | .58740 | .02829 | .07000 | -.00130 | .01400 | .68000 |
| 10.600 | -2.000 | .57090 | .13420 | -.04360 | .58580 | .02691 | .02500 | .00200 | .00930 | .67900 |
| 10.600 | -1.010 | .56940 | .13480 | -.04270 | .58450 | .02771 | .00300 | .00410 | .00710 | .67900 |
| 10.600 | .000 | .56770 | .13500 | -.04170 | .58290 | .02825 | -.01900 | .00630 | .00450 | .67800 |
| 10.600 | .990 | .56750 | .13450 | -.04290 | .58250 | .02784 | -.04200 | .00850 | .00240 | .67900 |
| 10.590 | 1.990 | .56870 | .13370 | -.04490 | .58360 | .02684 | -.06500 | .01110 | .00040 | .68000 |
| 10.600 | 3.980 | .56880 | .13390 | -.04710 | .58370 | .02705 | -.10900 | .01380 | -.00390 | .68200 |
| 10.600 | 5.960 | .57520 | .13250 | -.05420 | .58980 | .02440 | -.15300 | .01810 | -.00750 | .68600 |
| 10.600 | 7.990 | .58160 | .13290 | -.05890 | .59620 | .02358 | -.20400 | .02320 | -.01110 | .68800 |
| 10.600 | 9.990 | .58860 | .13080 | -.06480 | .60260 | .02029 | -.25200 | .02790 | -.01530 | .69100 |
| | GRADIENT | -.00047 | -.00022 | -.00022 | -.00051 | -.00012 | -.02248 | .00198 | -.00225 | .00024 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG007) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 41/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 21.210 | -9.980 | 1.14660 | .37920 | -.08670 | 1.20610 | -.06137 | .21300 | -.01590 | .03680 | .67800 |
| 21.210 | -7.990 | 1.14170 | .38190 | -.08250 | 1.20250 | -.05705 | .18300 | -.00940 | .03190 | .67700 |
| 21.210 | -5.980 | 1.13190 | .38250 | -.06700 | 1.19360 | -.05302 | .11600 | -.00270 | .02670 | .67200 |
| 21.210 | -4.010 | 1.12370 | .38240 | -.05990 | 1.18590 | -.05016 | .06400 | .00370 | .02180 | .67000 |
| 21.220 | -2.010 | 1.13380 | .38840 | -.06990 | 1.19750 | -.04826 | .02100 | .00790 | .01380 | .67300 |
| 21.220 | -1.010 | 1.13820 | .38990 | -.07150 | 1.20210 | -.04854 | -.00100 | .01000 | .01050 | .67400 |
| 21.220 | .000 | 1.13800 | .39020 | -.07240 | 1.20200 | -.04821 | -.02600 | .01310 | .00710 | .67400 |
| 21.210 | .990 | 1.13450 | .38830 | -.06910 | 1.19820 | -.04850 | -.05100 | .01580 | .00410 | .67300 |
| 21.210 | 1.980 | 1.13080 | .38760 | -.06900 | 1.19440 | -.04773 | -.07400 | .01730 | .00020 | .67300 |
| 21.210 | 3.990 | 1.11650 | .38230 | -.06010 | 1.17920 | -.04750 | -.11700 | .02100 | -.00640 | .67100 |
| 21.200 | 5.970 | 1.11620 | .37900 | -.06480 | 1.17770 | -.05030 | -.16400 | .02490 | -.01230 | .67200 |
| 21.200 | 7.990 | 1.12220 | .37720 | -.07300 | 1.18270 | -.05418 | -.21000 | .03050 | -.01870 | .67500 |
| 21.180 | 10.000 | 1.12310 | .37210 | -.07800 | 1.18170 | -.05896 | -.26000 | .03670 | -.02540 | .67600 |
| | GRADIENT | -.00092 | -.00009 | .00008 | -.00088 | .00028 | -.02296 | .00223 | -.00349 | .00007 |

0A172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG008) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300

RUN NO. 35/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .100 | -9.960 | .13950 | .08480 | -.07700 | .13970 | .08459 | .23400 | -.02340 | .01110 | .85500 |
| .100 | -7.980 | .13530 | .08810 | -.07240 | .13540 | .08785 | .18800 | -.01990 | .01060 | .84900 |
| .100 | -5.950 | .12720 | .09400 | -.06690 | .12740 | .09377 | .13600 | -.01300 | .01010 | .84500 |
| .100 | -3.980 | .12190 | .09880 | -.06120 | .12200 | .09868 | .08100 | -.00550 | .00900 | .83700 |
| .090 | -1.990 | .11940 | .10140 | -.05920 | .11960 | .10126 | .02700 | .00160 | .00790 | .83400 |
| .090 | -1.000 | .11790 | .10230 | -.05780 | .11810 | .10218 | .00200 | .00480 | .00720 | .83200 |
| .090 | .000 | .11730 | .10280 | -.05770 | .11740 | .10266 | -.02300 | .00800 | .00650 | .83300 |
| .090 | 1.000 | .11700 | .10240 | -.05860 | .11720 | .10224 | -.05000 | .01150 | .00630 | .83600 |
| .090 | 2.000 | .11860 | .10180 | -.05910 | .11870 | .10166 | -.07600 | .01490 | .00580 | .83500 |
| .090 | 3.990 | .12240 | .09940 | -.06270 | .12250 | .09925 | -.12900 | .02150 | .00470 | .84000 |
| .090 | 5.980 | .12640 | .09510 | -.06790 | .12660 | .09489 | -.18000 | .02740 | .00330 | .84900 |
| .100 | 7.990 | .13440 | .08950 | -.07540 | .13460 | .08929 | -.23200 | .03480 | .00210 | .85800 |
| .100 | 9.980 | .13890 | .08530 | -.07920 | .13900 | .08507 | -.28000 | .03870 | .00200 | .86200 |
| | GRADIENT | -.00001 | .00008 | -.00016 | -.00002 | .00007 | -.02623 | .00338 | -.00053 | .00043 |

RUN NO. 36/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.620 | -9.960 | .61360 | .15000 | -.07340 | .63070 | .03436 | .22600 | -.02190 | .02410 | .69500 |
| 10.610 | -7.980 | .60400 | .15120 | -.06690 | .62150 | .03740 | .17500 | -.01560 | .02060 | .69100 |
| 10.610 | -5.970 | .59510 | .15050 | -.06070 | .61260 | .03832 | .12500 | -.00950 | .01680 | .68800 |
| 10.610 | -3.980 | .58740 | .15070 | -.05350 | .60510 | .03994 | .07500 | -.00340 | .01420 | .68400 |
| 10.610 | -2.000 | .58560 | .14880 | -.05090 | .60310 | .03844 | .02800 | .00080 | .00950 | .68300 |
| 10.610 | -.980 | .58510 | .14940 | -.05010 | .60260 | .03906 | .00600 | .00300 | .00720 | .68200 |
| 10.610 | .000 | .58490 | .14990 | -.05110 | .60250 | .03967 | -.01500 | .00500 | .00470 | .68300 |
| 10.610 | .990 | .58530 | .14940 | -.05080 | .60280 | .03905 | -.04000 | .00770 | .00230 | .68300 |
| 10.600 | 1.990 | .58480 | .14870 | -.05240 | .60220 | .03855 | -.06500 | .01090 | .00040 | .68400 |
| 10.610 | 3.990 | .58720 | .14910 | -.05530 | .60470 | .03844 | -.11300 | .01580 | -.00420 | .68500 |
| 10.610 | 5.970 | .59230 | .14820 | -.06250 | .60950 | .03662 | -.15900 | .02090 | -.00790 | .69000 |
| 10.610 | 7.980 | .60020 | .14850 | -.06970 | .61730 | .03539 | -.21300 | .02740 | -.01140 | .69300 |
| 10.610 | 9.990 | .60860 | .14700 | -.07610 | .62530 | .03239 | -.26300 | .03260 | -.01540 | .69700 |
| | GRADIENT | -.00005 | -.00016 | -.00026 | -.00008 | -.00014 | -.02352 | .00243 | -.00231 | .00017 |

OA172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG008) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300

RUN NO. 37/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 21.230 | -9.970 | 1.17060 | .40570 | -.10180 | 1.23810 | -.04574 | .22500 | -.02120 | .03740 | .68200 |
| 21.230 | -7.980 | 1.16530 | .40760 | -.09470 | 1.23390 | -.04210 | .17300 | -.01320 | .03250 | .68000 |
| 21.230 | -5.960 | 1.15610 | .40710 | -.08370 | 1.22500 | -.03924 | .12300 | -.00550 | .02710 | .67700 |
| 21.230 | -3.990 | 1.15110 | .40790 | -.07650 | 1.22070 | -.03674 | .06600 | .00360 | .02150 | .67500 |
| 21.240 | -2.000 | 1.16120 | .41130 | -.08390 | 1.23130 | -.03730 | .02300 | .00710 | .01390 | .67700 |
| 21.240 | -.980 | 1.16280 | .41330 | -.08590 | 1.23350 | -.03599 | -.00100 | .01020 | .01030 | .67700 |
| 21.230 | .000 | 1.16080 | .41270 | -.08600 | 1.23140 | -.03579 | -.02800 | .01370 | .00720 | .67800 |
| 21.230 | .990 | 1.15690 | .41200 | -.08660 | 1.22760 | -.03495 | -.05200 | .01620 | .00360 | .67800 |
| 21.230 | 1.980 | 1.15330 | .41070 | -.08160 | 1.22380 | -.03480 | -.07800 | .01950 | .00010 | .67600 |
| 21.220 | 3.980 | 1.14380 | .40710 | -.07770 | 1.21360 | -.03460 | -.12600 | .02500 | -.00620 | .67500 |
| 21.220 | 5.980 | 1.14070 | .40260 | -.07970 | 1.20910 | -.03754 | -.17400 | .03030 | -.01310 | .67600 |
| 21.210 | 7.990 | 1.14470 | .40070 | -.08690 | 1.21220 | -.04068 | -.22200 | .03620 | -.01940 | .67800 |
| 21.200 | 10.010 | 1.14880 | .39870 | -.09660 | 1.21530 | -.04380 | -.27600 | .04450 | -.02620 | .68100 |
| | GRADIENT | -.00121 | -.00013 | -.00002 | -.00118 | .00035 | -.02442 | .00278 | -.00347 | -.00002 |

0A172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG009) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = 10.000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 43/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .060 | -9.960 | .08960 | .07370 | -.05690 | .08970 | .07362 | .26400 | -.03750 | .01760 | .88500 |
| .060 | -7.980 | .08960 | .07540 | -.05600 | .08970 | .07534 | .22600 | -.03780 | .01970 | .88200 |
| .070 | -5.950 | .08760 | .08110 | -.05340 | .08770 | .08104 | .17600 | -.03150 | .02000 | .87600 |
| .060 | -3.990 | .08230 | .08620 | -.05050 | .08240 | .08617 | .12400 | -.02510 | .01970 | .87700 |
| .060 | -1.990 | .07740 | .08950 | -.04630 | .07750 | .08945 | .07200 | -.01890 | .01860 | .87200 |
| .060 | -1.000 | .07630 | .09050 | -.04570 | .07640 | .09043 | .04700 | -.01600 | .01810 | .87200 |
| .060 | .000 | .07500 | .09090 | -.04530 | .07510 | .09090 | .02100 | -.01300 | .01820 | .87400 |
| .060 | .990 | .07460 | .09090 | -.04470 | .07470 | .09090 | -.00200 | -.01040 | .01780 | .87200 |
| .060 | 1.980 | .07510 | .09050 | -.04470 | .07520 | .09051 | -.02800 | -.00750 | .01750 | .87100 |
| .060 | 3.980 | .07810 | .08870 | -.04900 | .07820 | .08867 | -.08000 | -.00160 | .01620 | .88200 |
| .060 | 5.970 | .08270 | .08500 | -.05320 | .08280 | .08493 | -.13000 | .00450 | .01500 | .88800 |
| .060 | 7.990 | .08920 | .07950 | -.05660 | .08930 | .07944 | -.18200 | .01220 | .01380 | .88500 |
| .060 | 10.010 | .09240 | .07420 | -.06130 | .09250 | .07416 | -.23400 | .01860 | .01310 | .89600 |
| | GRADIENT | -.00055 | .00030 | .00024 | -.00055 | .00030 | -.02547 | .00293 | -.00039 | .00043 |

RUN NO. 44/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.580 | -9.970 | .57750 | .13070 | -.05490 | .59170 | .02237 | .24700 | -.03130 | .03030 | .68600 |
| 10.580 | -7.990 | .56890 | .13070 | -.05230 | .58330 | .02409 | .20100 | -.02780 | .02900 | .68500 |
| 10.580 | -5.960 | .56470 | .13090 | -.04600 | .57920 | .02501 | .15400 | -.02330 | .02560 | .68100 |
| 10.570 | -3.990 | .55670 | .13190 | -.04060 | .57140 | .02753 | .10900 | -.01900 | .02300 | .67800 |
| 10.570 | -2.000 | .55640 | .13110 | -.03960 | .57100 | .02677 | .06800 | -.01660 | .01910 | .67700 |
| 10.580 | -1.000 | .55410 | .13140 | -.03660 | .56880 | .02741 | .04700 | -.01550 | .01680 | .67600 |
| 10.570 | .000 | .55280 | .13190 | -.03710 | .56770 | .02820 | .02500 | -.01400 | .01430 | .67600 |
| 10.570 | .990 | .55400 | .13170 | -.03750 | .56870 | .02780 | .00100 | -.01130 | .01210 | .67600 |
| 10.570 | 1.980 | .55400 | .13080 | -.04030 | .56860 | .02691 | -.01800 | -.00960 | .01030 | .67800 |
| 10.570 | 3.980 | .55360 | .13100 | -.04150 | .56830 | .02723 | -.06300 | -.00620 | .00580 | .67900 |
| 10.570 | 5.960 | .55880 | .12980 | -.04690 | .57310 | .02504 | -.10800 | -.00250 | .00190 | .68200 |
| 10.570 | 7.970 | .56470 | .12890 | -.05070 | .57880 | .02311 | -.15800 | .00310 | -.00170 | .68400 |
| 10.570 | 10.010 | .57030 | .12600 | -.05570 | .58370 | .01922 | -.20900 | .00930 | -.00530 | .68700 |
| | GRADIENT | -.00041 | -.00009 | -.00014 | -.00041 | -.00001 | -.02166 | .00166 | -.00218 | .00014 |

0A172 B26C9PR1M16 N28W116E43F6V8R5TC19X9 G15 (RFG009) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = 10.000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 45/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 21.190 | -9.970 | 1.13380 | .37230 | -.07810 | 1.19170 | -.06274 | .24000 | -.02750 | .04270 | .67600 |
| 21.190 | -7.980 | 1.12960 | .37560 | -.07400 | 1.18900 | -.05820 | .19400 | -.02260 | .03880 | .67500 |
| 21.190 | -5.970 | 1.12160 | .37720 | -.06190 | 1.18210 | -.05389 | .14900 | -.01770 | .03430 | .67100 |
| 21.190 | -3.990 | 1.11100 | .37650 | -.05220 | 1.17200 | -.05068 | .10200 | -.01280 | .03180 | .66800 |
| 21.210 | -2.000 | 1.12700 | .38320 | -.06160 | 1.18930 | -.05053 | .06600 | -.01220 | .02360 | .67100 |
| 21.200 | .000 | 1.12480 | .38400 | -.06450 | 1.18750 | -.04882 | .01900 | -.00730 | .01650 | .67200 |
| 21.200 | .990 | 1.12220 | .38370 | -.06400 | 1.18500 | -.04804 | -.00600 | -.00360 | .01330 | .67200 |
| 21.200 | 1.980 | 1.11660 | .38230 | -.05990 | 1.17930 | -.04743 | -.03100 | -.00160 | .01010 | .67100 |
| 21.190 | 3.980 | 1.10480 | .37810 | -.05420 | 1.16680 | -.04688 | -.07400 | .00180 | .00320 | .66900 |
| 21.180 | 5.970 | 1.10630 | .37420 | -.05850 | 1.16670 | -.05093 | -.12000 | .00570 | -.00310 | .67000 |
| 21.180 | 7.980 | 1.10940 | .37080 | -.06710 | 1.16850 | -.05512 | -.16600 | .01070 | -.01000 | .67300 |
| 21.170 | 9.980 | 1.11060 | .36510 | -.07290 | 1.16760 | -.06069 | -.22000 | .01850 | -.01750 | .67500 |
| | GRADIENT | -.00101 | .00017 | -.00023 | -.00088 | .00054 | -.02254 | .00201 | -.00355 | .00014 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG010) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = -10.000
SPOBRK = .000 BDFLAP = -11.700

RUN NO. 47/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .060 | -9.970 | .08240 | .07380 | -.05620 | .08250 | .07375 | .19300 | -.00560 | .00160 | .90200 |
| .070 | -7.980 | .08020 | .07800 | -.05370 | .08030 | .07794 | .14700 | -.00180 | .00070 | .89800 |
| .070 | -5.970 | .07690 | .08380 | -.04980 | .07700 | .08376 | .09200 | .00660 | .00050 | .89000 |
| .060 | -3.990 | .07250 | .08840 | -.04710 | .07270 | .08832 | .04000 | .01320 | -.00020 | .89100 |
| .060 | -1.990 | .06910 | .09070 | -.04520 | .06920 | .09071 | -.01300 | .01990 | -.00110 | .89200 |
| .060 | -1.000 | .06990 | .09120 | -.04510 | .07000 | .09115 | -.03900 | .02290 | -.00130 | .88900 |
| .060 | .000 | .06940 | .09120 | -.04530 | .06950 | .09118 | -.06400 | .02570 | -.00160 | .89200 |
| .060 | 1.000 | .06930 | .09080 | -.04560 | .06940 | .09075 | -.08900 | .02840 | -.00150 | .89400 |
| .060 | 1.980 | .07080 | .08980 | -.04660 | .07090 | .08981 | -.11400 | .03100 | -.00190 | .89400 |
| .060 | 4.000 | .07420 | .08700 | -.05080 | .07430 | .08692 | -.16300 | .03640 | -.00270 | .90400 |
| .060 | 5.970 | .07940 | .08300 | -.05600 | .07950 | .08295 | -.21300 | .04180 | -.00370 | .91100 |
| .060 | 7.990 | .08530 | .07710 | -.06140 | .08540 | .07707 | -.26200 | .04760 | -.00380 | .91700 |
| .060 | 10.010 | .08860 | .07220 | -.06420 | .08870 | .07213 | -.30900 | .05110 | -.00340 | .91800 |
| | GRADIENT | .00023 | -.00019 | -.00043 | .00022 | -.00019 | -.02539 | .00288 | -.00028 | .00146 |

RUN NO. 48/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.580 | -9.970 | .57670 | .13050 | -.05400 | .59090 | .02236 | .17500 | .00030 | .01570 | .68500 |
| 10.570 | -7.990 | .56830 | .13240 | -.04940 | .58290 | .02588 | .12800 | .00530 | .01230 | .68300 |
| 10.570 | -5.960 | .56030 | .13270 | -.04490 | .57510 | .02764 | .08000 | .01010 | .00860 | .68100 |
| 10.570 | -3.990 | .55520 | .13320 | -.03890 | .57020 | .02915 | .03500 | .01440 | .00570 | .67700 |
| 10.570 | -2.000 | .55480 | .13190 | -.03790 | .56960 | .02785 | -.00800 | .01770 | .00140 | .67600 |
| 10.570 | -1.010 | .55330 | .13200 | -.03610 | .56810 | .02828 | -.03000 | .01910 | -.00070 | .67500 |
| 10.570 | .000 | .55350 | .13210 | -.03720 | .56840 | .02838 | -.05200 | .02080 | -.00310 | .67600 |
| 10.570 | .990 | .55300 | .13170 | -.03770 | .56770 | .02801 | -.07500 | .02310 | -.00480 | .67600 |
| 10.570 | 1.980 | .55440 | .13010 | -.04030 | .56890 | .02624 | -.09700 | .02500 | -.00630 | .67800 |
| 10.560 | 3.990 | .55600 | .13000 | -.04360 | .57040 | .02587 | -.13900 | .02720 | -.01030 | .68000 |
| 10.560 | 5.970 | .56030 | .12820 | -.04970 | .57430 | .02330 | -.18300 | .03070 | -.01390 | .68400 |
| 10.560 | 7.980 | .56530 | .12750 | -.05260 | .57910 | .02166 | -.23000 | .03440 | -.01690 | .68500 |
| 10.570 | 10.000 | .57410 | .12600 | -.05670 | .58750 | .01852 | -.27900 | .03930 | -.02030 | .68700 |
| | GRADIENT | .00005 | -.00040 | -.00060 | -.00002 | -.00040 | -.02194 | .00167 | -.00199 | .00041 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC18X9 C15 (RFG010) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = -10.000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 49/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 21.170 | -9.960 | 1.13110 | .37270 | -.08050 | 1.18940 | -.06101 | .17600 | .00040 | .03080 | .67700 |
| 21.180 | -7.980 | 1.12890 | .37710 | -.07170 | 1.18890 | -.05625 | .12500 | .00770 | .02490 | .67400 |
| 21.170 | -5.980 | 1.11130 | .37580 | -.05770 | 1.17200 | -.05096 | .07100 | .01530 | .02130 | .67000 |
| 21.180 | -3.990 | 1.10710 | .37820 | -.05210 | 1.16900 | -.04741 | .02500 | .02040 | .01540 | .66800 |
| 21.190 | -1.990 | 1.12550 | .38480 | -.06090 | 1.18850 | -.04816 | -.01400 | .02340 | .00740 | .67100 |
| 21.190 | -1.000 | 1.12460 | .38560 | -.06420 | 1.18800 | -.04703 | -.03800 | .02620 | .00370 | .67200 |
| 21.190 | .000 | 1.12260 | .38470 | -.06540 | 1.18570 | -.04706 | -.06200 | .02880 | .00050 | .67200 |
| 21.190 | .990 | 1.12050 | .38330 | -.06300 | 1.18330 | -.04757 | -.08700 | .03150 | -.00280 | .67100 |
| 21.180 | 1.980 | 1.11800 | .38200 | -.06060 | 1.18050 | -.04788 | -.11100 | .03310 | -.00610 | .67100 |
| 21.180 | 3.980 | 1.10490 | .37710 | -.05370 | 1.16650 | -.04757 | -.14800 | .03410 | -.01230 | .66900 |
| 21.170 | 5.970 | 1.10590 | .37300 | -.05950 | 1.16600 | -.05157 | -.19000 | .03570 | -.01770 | .67100 |
| 21.170 | 7.980 | 1.11190 | .37030 | -.06910 | 1.17060 | -.05619 | -.23100 | .03860 | -.02330 | .67400 |
| 21.160 | 9.990 | 1.11100 | .36660 | -.07420 | 1.16840 | -.05915 | -.28100 | .04480 | -.02880 | .67500 |
| | GRADIENT | -.00067 | -.00029 | -.00011 | -.00073 | -.00001 | -.02236 | .00190 | -.00345 | .00007 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 (RFG011) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 52/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .020 | -9.960 | .06420 | .04580 | -.04660 | .06420 | .04578 | .19100 | -.01880 | .00790 | .91900 |
| .020 | -7.970 | .06460 | .04870 | -.04620 | .06460 | .04867 | .15200 | -.01610 | .00770 | .91500 |
| .030 | -5.960 | .06480 | .05340 | -.04540 | .06480 | .05346 | .10800 | -.01030 | .00800 | .91000 |
| .030 | -3.980 | .06350 | .05680 | -.04330 | .06360 | .05685 | .06400 | -.00440 | .00830 | .90200 |
| .030 | -1.990 | .05940 | .05880 | -.04070 | .05950 | .05884 | .01900 | .00170 | .00760 | .90400 |
| .030 | -.990 | .05940 | .05950 | -.04050 | .05940 | .05952 | -.00200 | .00460 | .00760 | .90300 |
| .030 | .000 | .05960 | .05960 | -.04000 | .05960 | .05963 | -.02400 | .00760 | .00730 | .89900 |
| .030 | .990 | .05960 | .05950 | -.04120 | .05970 | .05947 | -.04700 | .01060 | .00710 | .90600 |
| .030 | 1.990 | .06020 | .05890 | -.04140 | .06020 | .05891 | -.06900 | .01380 | .00710 | .90500 |
| .030 | 3.990 | .06290 | .05750 | -.04460 | .06290 | .05747 | -.11300 | .01930 | .00640 | .91200 |
| .020 | 5.980 | .07040 | .05440 | -.04790 | .07040 | .05441 | -.15500 | .02350 | .00590 | .90200 |
| .020 | 7.990 | .07240 | .04960 | -.05030 | .07250 | .04962 | -.19700 | .02880 | .00560 | .90700 |
| .020 | 10.000 | .07470 | .04590 | -.05450 | .07470 | .04591 | -.23700 | .03230 | .00600 | .92000 |
| | GRADIENT | -.00001 | .00007 | -.00018 | -.00003 | .00006 | -.02221 | .00299 | -.00022 | .00108 |

RUN NO. 53/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.550 | -9.950 | .56570 | .09590 | -.05050 | .57370 | -.00930 | .19100 | -.01780 | .02290 | .68400 |
| 10.550 | -7.980 | .55970 | .09900 | -.04600 | .56840 | -.00513 | .14700 | -.01250 | .01960 | .68200 |
| 10.550 | -5.930 | .55200 | .10090 | -.03920 | .56120 | -.00187 | .10000 | -.00580 | .01650 | .67800 |
| 10.550 | -3.980 | .54980 | .10180 | -.03530 | .55910 | -.00056 | .05900 | -.00170 | .01380 | .67500 |
| 10.550 | -1.990 | .54910 | .10210 | -.03410 | .55850 | -.00021 | .01900 | .00230 | .01020 | .67400 |
| 10.550 | -.990 | .54880 | .10170 | -.03370 | .55810 | -.00048 | .00100 | .00360 | .00780 | .67400 |
| 10.550 | .000 | .54700 | .10160 | -.03310 | .55640 | -.00024 | -.01700 | .00470 | .00520 | .67400 |
| 10.550 | .990 | .54750 | .10120 | -.03460 | .55680 | -.00072 | -.03800 | .00700 | .00340 | .67500 |
| 10.550 | 1.990 | .54900 | .10110 | -.03660 | .55820 | -.00109 | -.05900 | .00950 | .00150 | .67600 |
| 10.550 | 4.020 | .54930 | .10010 | -.03890 | .55840 | -.00218 | -.09700 | .01260 | -.00210 | .67800 |
| 10.550 | 5.980 | .55310 | .09860 | -.04310 | .56180 | -.00436 | -.13700 | .01580 | -.00590 | .68000 |
| 10.540 | 7.990 | .55390 | .09580 | -.04690 | .56210 | -.00721 | -.18000 | .02120 | -.00930 | .68300 |
| 10.540 | 9.990 | .55860 | .09270 | -.05180 | .56620 | -.01105 | -.22400 | .02670 | -.01350 | .68600 |
| | GRADIENT | -.00008 | -.00022 | -.00049 | -.00011 | -.00020 | -.01953 | .00179 | -.00204 | .00041 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 (RFG011) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 54/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 21.180 | -9.960 | 1.15410 | .35320 | -.09200 | 1.20380 | -.08766 | .18000 | -.01030 | .03430 | .68000 |
| 21.170 | -7.970 | 1.13960 | .34760 | -.08030 | 1.18820 | -.08756 | .13000 | -.00230 | .03270 | .67700 |
| 21.180 | -5.970 | 1.13020 | .34620 | -.06580 | 1.17900 | -.08548 | .09000 | .00250 | .02830 | .67200 |
| 21.180 | -3.980 | 1.12750 | .35510 | -.06650 | 1.17960 | -.07622 | .05900 | .00190 | .02020 | .67300 |
| 21.190 | -1.980 | 1.13330 | .35770 | -.06510 | 1.18600 | -.07607 | .02100 | .00530 | .01380 | .67200 |
| 21.180 | -.990 | 1.13530 | .35910 | -.06790 | 1.18830 | -.07546 | .00100 | .00710 | .01050 | .67300 |
| 21.190 | .000 | 1.13790 | .36080 | -.07040 | 1.19140 | -.07491 | -.01900 | .00870 | .00670 | .67400 |
| 21.180 | 1.010 | 1.13450 | .35960 | -.06900 | 1.18780 | -.07469 | -.04100 | .01080 | .00360 | .67300 |
| 21.180 | 2.000 | 1.13190 | .35560 | -.06840 | 1.18390 | -.07744 | -.06200 | .01330 | .00070 | .67300 |
| 21.170 | 4.000 | 1.12560 | .35340 | -.06930 | 1.17730 | -.07702 | -.09700 | .01490 | -.00500 | .67300 |
| 21.170 | 5.990 | 1.12420 | .35050 | -.07080 | 1.17490 | -.07921 | -.13100 | .01490 | -.01100 | .67400 |
| 21.170 | 7.990 | 1.13430 | .35250 | -.08480 | 1.18500 | -.08095 | -.16900 | .01770 | -.01530 | .67800 |
| 21.160 | 9.980 | 1.14360 | .35570 | -.09950 | 1.19490 | -.08125 | -.21700 | .02430 | -.02010 | .68200 |
| | GRADIENT | -.00027 | -.00025 | -.00045 | -.00033 | -.00012 | -.01987 | .00171 | -.00320 | .00005 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 (RFG012) ( 28 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 56/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .040 | -9.970 | .02990 | .03680 | -.00690 | .02990 | .03680 | .05057 | .20500 | -.02540 | .00720 | .73700 |
| .030 | -7.990 | .02540 | .04140 | -.00660 | .02540 | .04146 | .04879 | .16600 | -.02390 | .00660 | .74800 |
| .040 | -5.960 | .02320 | .04570 | -.00220 | .02320 | .04570 | .04805 | .11800 | -.01560 | .00720 | .68700 |
| .030 | -3.980 | .02030 | .04950 | -.00030 | .02030 | .04950 | .04760 | .07200 | -.00850 | .00770 | .65800 |
| .040 | -1.990 | .01530 | .05200 | .00190 | .01530 | .05206 | .04708 | .02400 | -.00080 | .00740 | .60600 |
| .040 | -.990 | .01650 | .05230 | .00280 | .01660 | .05231 | .04715 | .00000 | .00290 | .00740 | .58800 |
| .030 | .010 | .01520 | .05210 | .00350 | .01520 | .05215 | .04745 | -.02300 | .00710 | .00750 | .56700 |
| .040 | .990 | .01670 | .05150 | .00220 | .01680 | .05153 | .04756 | -.04600 | .01050 | .00750 | .60300 |
| .040 | 1.990 | .01700 | .05030 | .00120 | .01700 | .05038 | .04840 | -.06900 | .01420 | .00740 | .62400 |
| .040 | 3.990 | .01820 | .04900 | -.00160 | .01820 | .04903 | .04829 | -.11500 | .02080 | .00710 | .68500 |
| .040 | 5.960 | .02240 | .04550 | -.00100 | .02250 | .04550 | .04912 | -.15800 | .02940 | .00660 | .66800 |
| .040 | 7.990 | .02640 | .04080 | -.01050 | .02640 | .04082 | .04990 | -.20300 | .03320 | .00660 | .79800 |
| .030 | 9.980 | .03050 | .03640 | -.01460 | .03050 | .03641 | .05105 | -.24400 | .03760 | .00710 | .82900 |
| | GRADIENT | -.00011 | -.00015 | -.00017 | -.00011 | -.00014 | .00014 | -.02343 | .00370 | -.00006 | .00380 |

RUN NO. 57/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.580 | -9.960 | .53370 | .08310 | -.01800 | .53990 | -.01630 | .04854 | .20500 | -.02710 | .02180 | .66400 |
| 10.570 | -7.970 | .52770 | .08800 | -.01310 | .53490 | -.01037 | .04561 | .16100 | -.02090 | .01870 | .66100 |
| 10.570 | -5.990 | .52080 | .09130 | -.00550 | .52870 | -.00579 | .04286 | .11700 | -.01300 | .01550 | .65600 |
| 10.570 | -4.000 | .51730 | .09300 | -.00200 | .52560 | -.00350 | .04072 | .07300 | -.00570 | .01300 | .65300 |
| 10.570 | -1.990 | .51580 | .09270 | -.00010 | .52410 | -.00355 | .04066 | .03000 | -.00160 | .00970 | .65200 |
| 10.570 | -.990 | .51390 | .09010 | .00070 | .52170 | -.00568 | .04182 | .00700 | .00130 | .00760 | .65100 |
| 10.570 | .000 | .51460 | .08990 | -.00090 | .52230 | -.00601 | .04174 | -.01400 | .00400 | .00550 | .65200 |
| 10.570 | .990 | .51520 | .08800 | -.00120 | .52260 | -.00802 | .04402 | -.03900 | .00780 | .00350 | .65300 |
| 10.570 | 1.990 | .51580 | .08550 | -.00240 | .52270 | -.01054 | .04633 | -.06400 | .01190 | .00170 | .65400 |
| 10.570 | 3.990 | .51870 | .08480 | -.00620 | .52540 | -.01179 | .04642 | -.10600 | .01760 | -.00160 | .65600 |
| 10.570 | 5.970 | .51870 | .08410 | -.01020 | .52540 | -.01242 | .04699 | -.14800 | .02310 | -.00520 | .65900 |
| 10.570 | 7.990 | .52230 | .08160 | -.01360 | .52840 | -.01554 | .04809 | -.19200 | .02910 | -.00860 | .66100 |
| 10.570 | 10.020 | .52740 | .07860 | -.01830 | .53290 | -.01949 | .05031 | -.23700 | .03530 | -.01270 | .66400 |
| | GRADIENT | .00016 | -.00118 | -.00056 | -.00006 | -.00118 | .00087 | -.02267 | .00302 | -.00187 | .00043 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 (RFG012) ( 28 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 58/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.210 | -9.990 | 1.12380 | .32890 | -.05780 | 1.16670 | -.10013 | .05804 | .20300 | -.02260 | .03190 | .67000 |
| 21.200 | -7.980 | 1.11070 | .32290 | -.04910 | 1.15230 | -.10082 | .05619 | .15100 | -.01270 | .02990 | .66800 |
| 21.210 | -5.960 | 1.10120 | .32260 | -.03200 | 1.14330 | -.09769 | .05254 | .10200 | -.00150 | .02530 | .66200 |
| 21.210 | -3.990 | 1.09770 | .32510 | -.03160 | 1.14090 | -.09422 | .05454 | .06100 | .00060 | .02100 | .66200 |
| 21.210 | -2.000 | 1.09650 | .32720 | -.02520 | 1.14060 | -.09178 | .05664 | .02000 | .00750 | .01320 | .66000 |
| 21.210 | -.990 | 1.09350 | .32620 | -.02530 | 1.13750 | -.09156 | .05769 | .00000 | .00720 | .01050 | .66000 |
| 21.210 | .000 | 1.09430 | .32790 | -.02790 | 1.13880 | -.09025 | .05829 | -.02000 | .01070 | .00640 | .66100 |
| 21.210 | .980 | 1.09190 | .32720 | -.02550 | 1.13640 | -.09002 | .05849 | -.04000 | .01150 | .00330 | .66000 |
| 21.210 | 1.980 | 1.09150 | .32650 | -.02760 | 1.13570 | -.09057 | .05860 | -.06100 | .01320 | .00070 | .66100 |
| 21.210 | 3.980 | 1.09230 | .32490 | -.03260 | 1.13590 | -.09236 | .05672 | -.10100 | .01670 | -.00480 | .66200 |
| 21.200 | 5.980 | 1.08890 | .32290 | -.03670 | 1.13200 | -.09282 | .05342 | -.14100 | .02120 | -.01010 | .66400 |
| 21.200 | 7.980 | 1.09460 | .32220 | -.04610 | 1.13710 | -.09552 | .05783 | -.19000 | .02950 | -.01440 | .66700 |
| 21.190 | 10.000 | 1.10550 | .32580 | -.06030 | 1.14850 | -.09599 | .06014 | -.24000 | .03820 | -.01850 | .67100 |
| | GRADIENT | -.00079 | -.00003 | -.00022 | -.00074 | .00027 | .00032 | -.02033 | .00192 | -.00324 | .00005 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG013) ( 12 MAR 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .130 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | .000 | BDFLAP = | -11.700 |

RUN NO. 67/ 0 RN/L = .92 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.310 | -9.970 | .50410 | .10400 | -.01730 | .51460 | .01209 | .04890 | .21500 | -.02100 | .02380 | .66400 |
| 10.310 | -8.000 | .49740 | .10740 | -.01210 | .50860 | .01662 | .04731 | .16700 | -.01590 | .02070 | .66100 |
| 10.310 | -5.990 | .49590 | .10790 | -.00920 | .50720 | .01741 | .04643 | .11900 | -.01040 | .01670 | .65900 |
| 10.310 | -4.000 | .48890 | .10970 | -.00510 | .50060 | .02039 | .04497 | .07300 | -.00510 | .01360 | .65600 |
| 10.310 | -2.000 | .48710 | .10910 | -.00390 | .49880 | .02014 | .04450 | .02900 | -.00110 | .01010 | .65500 |
| 10.310 | -1.010 | .48690 | .10970 | -.00310 | .49860 | .02083 | .04478 | .00600 | .00160 | .00810 | .65400 |
| 10.310 | .000 | .48390 | .10950 | -.00270 | .49570 | .02116 | .04418 | -.01600 | .00440 | .00610 | .65400 |
| 10.300 | .980 | .48520 | .10830 | -.00640 | .49680 | .01979 | .04436 | -.03900 | .00700 | .00420 | .65700 |
| 10.310 | 1.970 | .48590 | .10650 | -.00550 | .49710 | .01789 | .04485 | -.06400 | .01080 | .00270 | .65600 |
| 10.300 | 3.980 | .48810 | .10650 | -.01230 | .49930 | .01748 | .04457 | -.11100 | .01620 | -.00080 | .66100 |
| 10.300 | 5.970 | .49060 | .10530 | -.01500 | .50150 | .01584 | .04600 | -.15500 | .02190 | -.00400 | .66300 |
| 10.310 | 7.980 | .49480 | .10350 | -.01980 | .50530 | .01330 | .04768 | -.20300 | .02720 | -.00740 | .66600 |
| 10.310 | 9.970 | .49790 | .10170 | -.02550 | .50810 | .01100 | .04881 | -.24600 | .03120 | -.01140 | .67000 |
| | GRADIENT | -.00017 | -.00046 | -.00084 | -.00025 | -.00041 | -.00003 | -.02311 | .00273 | -.00182 | .00060 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG014) ( 28 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 60/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| -5.210 | -10.000 | -.20840 | .07330 | -.00800 | -.21420 | .05413 | .05225 | .22900 | -.02190 | .00080 | .63800 |
| -5.210 | -8.010 | -.21400 | .07900 | -.00620 | -.22030 | .05931 | .05141 | .18600 | -.01810 | .00180 | .64100 |
| -5.210 | -5.990 | -.21880 | .08560 | -.00350 | -.22570 | .06541 | .05076 | .13800 | -.01320 | .00300 | .64600 |
| -5.220 | -4.020 | -.22370 | .09070 | .00000 | -.23110 | .06996 | .05004 | .08400 | -.00650 | .00530 | .65200 |
| -5.220 | -2.020 | -.22640 | .09440 | .00140 | -.23410 | .07339 | .04936 | .02900 | .00050 | .00690 | .65400 |
| -5.220 | -1.030 | -.22750 | .09530 | .00050 | -.23530 | .07418 | .04956 | .00200 | .00380 | .00760 | .65300 |
| -5.220 | -.020 | -.22620 | .09560 | -.00050 | -.23400 | .07460 | .04933 | -.02300 | .00700 | .00820 | .65100 |
| -5.220 | .960 | -.22710 | .09480 | .00090 | -.23480 | .07379 | .04936 | -.04900 | .01010 | .00910 | .65300 |
| -5.220 | 1.960 | -.22630 | .09440 | .00010 | -.23390 | .07344 | .04933 | -.07500 | .01300 | .00970 | .65200 |
| -5.220 | 3.940 | -.22510 | .09210 | -.00190 | -.23260 | .07122 | .04979 | -.12500 | .01840 | .01110 | .64900 |
| -5.220 | 5.950 | -.21830 | .08920 | -.00640 | -.22550 | .06905 | .05029 | -.17300 | .02370 | .01170 | .64100 |
| -5.210 | 7.980 | -.21120 | .08340 | -.01170 | -.21790 | .06387 | .05086 | -.22000 | .02920 | .01230 | .63200 |
| -5.210 | 9.960 | -.20400 | .07820 | -.01550 | -.21030 | .05942 | .05072 | -.26800 | .03350 | .01380 | .62500 |
| | GRADIENT | -.00012 | .00012 | -.00023 | -.00012 | .00011 | -.00003 | -.02620 | .00313 | .00073 | -.00038 |

RUN NO. 61/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .030 | -10.000 | .03260 | .05970 | -.01690 | .03260 | .05970 | .05022 | .22500 | -.02380 | .00890 | .84200 |
| .030 | -8.010 | .02920 | .06450 | -.01330 | .02920 | .06450 | .04915 | .18200 | -.01990 | .00850 | .81900 |
| .030 | -6.000 | .02450 | .07040 | -.00980 | .02450 | .07046 | .04853 | .13000 | -.01300 | .00850 | .79900 |
| .030 | -4.020 | .02070 | .07560 | -.00630 | .02070 | .07567 | .04819 | .07900 | -.00620 | .00870 | .76500 |
| .030 | -2.020 | .01600 | .07810 | -.00370 | .01600 | .07814 | .04768 | .02800 | .00010 | .00790 | .73700 |
| .030 | -1.020 | .01570 | .07850 | -.00390 | .01570 | .07857 | .04865 | .00200 | .00350 | .00760 | .74300 |
| .020 | -.010 | .01410 | .07870 | -.00260 | .01410 | .07875 | .04828 | -.02300 | .00680 | .00720 | .72100 |
| .020 | .960 | .01460 | .07830 | -.00350 | .01470 | .07837 | .04822 | -.04900 | .01050 | .00770 | .74200 |
| .020 | 1.960 | .01520 | .07800 | -.00430 | .01520 | .07802 | .04855 | -.07500 | .01370 | .00740 | .75600 |
| .030 | 3.950 | .01860 | .07650 | -.00680 | .01860 | .07650 | .04811 | -.12400 | .01910 | .00650 | .78600 |
| .030 | 5.950 | .02320 | .07140 | -.01100 | .02320 | .07143 | .04856 | -.17300 | .02570 | .00610 | .82700 |
| .030 | 7.950 | .02900 | .06580 | -.01620 | .02900 | .06585 | .04950 | -.21900 | .03110 | .00560 | .85700 |
| .030 | 9.950 | .03420 | .06030 | -.02160 | .03430 | .06029 | .05114 | -.26500 | .03560 | .00640 | .88400 |
| | GRADIENT | -.00027 | .00008 | -.00007 | -.00026 | .00007 | .00002 | -.02556 | .00324 | -.00023 | .00287 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG014) ( 28 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 62/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.310 | -10.000 | .27940 | .06910 | -.02150 | .28460 | .04296 | .04879 | .21900 | -.02310 | .01690 | .68000 |
| 5.310 | -8.020 | .27640 | .07270 | -.01600 | .28190 | .04678 | .04810 | .17200 | -.01810 | .01460 | .67300 |
| 5.310 | -6.000 | .26950 | .07640 | -.01060 | .27540 | .05119 | .04702 | .12600 | -.01250 | .01220 | .66600 |
| 5.310 | -4.020 | .26680 | .07920 | -.00830 | .27300 | .05419 | .04648 | .07700 | -.00710 | .01000 | .66300 |
| 5.300 | -2.030 | .26490 | .08140 | -.00630 | .27130 | .05664 | .04680 | .02700 | -.00010 | .00860 | .66000 |
| 5.300 | -1.030 | .26410 | .08190 | -.00520 | .27050 | .05715 | .04603 | .00300 | .00270 | .00750 | .65900 |
| 5.300 | -.020 | .26350 | .08180 | -.00530 | .27000 | .05716 | .04603 | -.02200 | .00630 | .00690 | .65900 |
| 5.300 | .960 | .26480 | .08180 | -.00590 | .27120 | .05700 | .04617 | -.04500 | .00910 | .00590 | .66000 |
| 5.300 | 1.970 | .26540 | .08100 | -.00620 | .27170 | .05612 | .04688 | -.07000 | .01190 | .00510 | .66000 |
| 5.300 | 3.950 | .26670 | .07820 | -.01010 | .27280 | .05322 | .04707 | -.11700 | .01780 | .00340 | .66600 |
| 5.300 | 5.940 | .27130 | .07560 | -.01410 | .27720 | .05022 | .04727 | -.16500 | .02380 | .00060 | .67100 |
| 5.290 | 7.960 | .27320 | .07180 | -.01840 | .27870 | .04626 | .04774 | -.21200 | .02980 | -.00090 | .67600 |
| 5.290 | 9.940 | .27700 | .06870 | -.02280 | .28220 | .04266 | .04898 | -.25800 | .03440 | -.00350 | .68200 |
| | GRADIENT | .00003 | -.00012 | -.00018 | .00002 | -.00012 | .00006 | -.02431 | .00310 | -.00084 | .00031 |

RUN NO. 63/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.560 | -10.000 | .53260 | .10740 | -.02280 | .54330 | .00793 | .04961 | .21500 | -.02260 | .02270 | .66700 |
| 10.560 | -8.010 | .52490 | .11050 | -.01890 | .53620 | .01244 | .04819 | .16900 | -.01710 | .01930 | .66500 |
| 10.560 | -6.000 | .51880 | .11040 | -.01300 | .53030 | .01346 | .04717 | .12000 | -.01120 | .01570 | .66100 |
| 10.560 | -4.020 | .51510 | .11150 | -.00830 | .52680 | .01524 | .04589 | .07400 | -.00530 | .01340 | .65800 |
| 10.560 | -2.030 | .51080 | .11060 | -.00540 | .52240 | .01515 | .04559 | .02900 | -.00100 | .00940 | .65600 |
| 10.560 | -1.030 | .51080 | .11090 | -.00480 | .52250 | .01546 | .04571 | .00600 | .00160 | .00720 | .65500 |
| 10.560 | -.020 | .51090 | .11120 | -.00460 | .52260 | .01571 | .04580 | -.01600 | .00410 | .00510 | .65500 |
| 10.560 | .960 | .51230 | .11010 | -.00580 | .52380 | .01435 | .04583 | -.03900 | .00710 | .00340 | .65600 |
| 10.550 | 1.960 | .51260 | .10900 | -.00850 | .52390 | .01320 | .04632 | -.06300 | .01060 | .00200 | .65800 |
| 10.550 | 3.950 | .51340 | .10920 | -.00980 | .52470 | .01330 | .04622 | -.10900 | .01560 | -.00170 | .65900 |
| 10.550 | 5.940 | .51820 | .10730 | -.01550 | .52910 | .01052 | .04748 | -.15400 | .02090 | -.00530 | .66300 |
| 10.550 | 7.950 | .52140 | .10520 | -.01920 | .53180 | .00792 | .04885 | -.20200 | .02650 | -.00860 | .66500 |
| 10.560 | 9.980 | .52720 | .10340 | -.02410 | .53720 | .00510 | .05033 | -.24800 | .03160 | -.01290 | .66800 |
| | GRADIENT | -.00004 | -.00032 | -.00031 | -.00010 | -.00030 | .00007 | -.02296 | .00268 | -.00189 | .00021 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG014) ( 28 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 64/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 15.870 | -10.010 | .81750 | .19280 | -.03580 | .83900 | -.03819 | .05268 | .21600 | -.02230 | .02390 | .66800 |
| 15.870 | -8.020 | .80840 | .19390 | -.02950 | .83060 | -.03454 | .05145 | .16700 | -.01510 | .01980 | .66500 |
| 15.870 | -6.000 | .80140 | .19420 | -.02190 | .82400 | -.03242 | .04980 | .11900 | -.00860 | .01690 | .66200 |
| 15.860 | -4.020 | .79240 | .19170 | -.01450 | .81470 | -.03228 | .04896 | .07300 | -.00350 | .01320 | .65800 |
| 15.870 | -2.030 | .79690 | .19260 | -.01430 | .81920 | -.03277 | .05027 | .02800 | .00150 | .00800 | .65800 |
| 15.870 | -1.030 | .79220 | .19040 | -.01210 | .81410 | -.03357 | .05057 | .00500 | .00400 | .00610 | .65700 |
| 15.860 | -.030 | .79190 | .18870 | -.01290 | .81330 | -.03504 | .05065 | -.01800 | .00670 | .00350 | .65800 |
| 15.870 | .960 | .79070 | .18870 | -.01130 | .81220 | -.03470 | .05075 | -.04100 | .00900 | .00080 | .65700 |
| 15.870 | 1.950 | .79490 | .18950 | -.01310 | .81650 | -.03517 | .05084 | -.06200 | .01050 | -.00130 | .65800 |
| 15.860 | 3.950 | .79150 | .18830 | -.01550 | .81280 | -.03518 | .04979 | -.10800 | .01560 | -.00520 | .65900 |
| 15.860 | 5.940 | .79920 | .19150 | -.02390 | .82120 | -.03425 | .04962 | -.15000 | .01850 | -.00900 | .66300 |
| 15.870 | 7.950 | .81010 | .19130 | -.03320 | .83150 | -.03753 | .05190 | -.19800 | .02460 | -.01170 | .66700 |
| 15.860 | 9.950 | .81850 | .19040 | -.04510 | .83940 | -.04060 | .05435 | -.24500 | .03000 | -.01580 | .67200 |
| | GRADIENT | -.00022 | -.00051 | -.00002 | -.00036 | -.00042 | .00011 | -.02271 | .00238 | -.00233 | .00010 |

RUN NO. 65/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.230 | -10.000 | 1.12300 | .35540 | -.05570 | 1.17550 | -.07546 | .05813 | .23100 | -.02800 | .02810 | .66900 |
| 21.220 | -8.020 | 1.10710 | .34930 | -.04470 | 1.15840 | -.07520 | .05669 | .16900 | -.01490 | .02720 | .66600 |
| 21.220 | -6.010 | 1.09400 | .34750 | -.03600 | 1.14560 | -.07195 | .05494 | .11500 | -.00450 | .02420 | .66300 |
| 21.220 | -4.020 | 1.08910 | .34780 | -.03120 | 1.14110 | -.06996 | .05639 | .07100 | .00000 | .01970 | .66200 |
| 21.210 | -2.030 | 1.08560 | .34740 | -.02910 | 1.13780 | -.06901 | .05863 | .02900 | .00280 | .01290 | .66100 |
| 21.220 | -1.010 | 1.08880 | .34790 | -.02870 | 1.14090 | -.06979 | .06030 | .00300 | .00660 | .01010 | .66100 |
| 21.220 | -.030 | 1.08900 | .34820 | -.03040 | 1.14120 | -.06961 | .06122 | -.01900 | .00820 | .00660 | .66200 |
| 21.210 | .960 | 1.08660 | .34580 | -.02810 | 1.13810 | -.07079 | .06129 | -.04400 | .01140 | .00390 | .66100 |
| 21.210 | 1.950 | 1.08560 | .34550 | -.02990 | 1.13710 | -.07066 | .06160 | -.06700 | .01440 | .00090 | .66100 |
| 21.210 | 3.950 | 1.08580 | .34760 | -.03310 | 1.13800 | -.06888 | .05864 | -.11000 | .01680 | -.00400 | .66300 |
| 21.210 | 5.940 | 1.08870 | .34820 | -.03820 | 1.14090 | -.06928 | .05617 | -.14900 | .01910 | -.00900 | .66400 |
| 21.200 | 7.950 | 1.09250 | .34610 | -.04820 | 1.14370 | -.07257 | .06044 | -.19900 | .02610 | -.01350 | .66700 |
| 21.210 | 9.960 | 1.10050 | .34820 | -.05700 | 1.15190 | -.07353 | .06189 | -.25300 | .03530 | -.01840 | .67000 |
| | GRADIENT | -.00037 | -.00016 | -.00021 | -.00040 | .00000 | .00038 | -.02303 | .00228 | -.00299 | .00010 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG015) ( 28 SEP 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 | IN.XO | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 | IN.YO | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 | IN.ZO | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .260 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | .000 | BDFLAP = | -11.700 |

RUN NO. 69/ 0 RN/L = 1.84 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.880 | -9.970 | .55340 | .11130 | -.02200 | .56450 | .00490 | .05048 | .21500 | -.02270 | .02370 | .66600 |
| 10.870 | -7.970 | .54590 | .11420 | -.01860 | .55770 | .00922 | .04907 | .17000 | -.01810 | .01980 | .66400 |
| 10.880 | -5.970 | .54060 | .11350 | -.00790 | .55230 | .00943 | .04838 | .12100 | -.00790 | .01530 | .65700 |
| 10.870 | -4.000 | .53490 | .11430 | -.00510 | .54690 | .01136 | .04705 | .07500 | -.00390 | .01310 | .65500 |
| 10.870 | -2.010 | .53160 | .11380 | -.00390 | .54350 | .01151 | .04676 | .03000 | -.00070 | .00910 | .65400 |
| 10.870 | -1.000 | .53150 | .11360 | -.00220 | .54340 | .01133 | .04684 | .00800 | .00180 | .00730 | .65300 |
| 10.870 | .010 | .53230 | .11390 | -.00240 | .54420 | .01147 | .04674 | -.01500 | .00450 | .00560 | .65300 |
| 10.870 | .990 | .53270 | .11240 | -.00440 | .54430 | .00998 | .04720 | -.03800 | .00710 | .00360 | .65500 |
| 10.870 | 1.970 | .53320 | .11120 | -.00580 | .54460 | .00864 | .04741 | -.06200 | .01010 | .00170 | .65600 |
| 10.870 | 3.960 | .53490 | .11160 | -.00900 | .54630 | .00871 | .04737 | -.10700 | .01510 | -.00220 | .65800 |
| 10.870 | 5.960 | .53970 | .10990 | -.01400 | .55070 | .00617 | .04866 | -.15200 | .02000 | -.00590 | .66100 |
| 10.870 | 7.970 | .54360 | .10830 | -.01850 | .55420 | .00388 | .04986 | -.19900 | .02800 | -.00940 | .66400 |
| 10.870 | 10.000 | .54990 | .10660 | -.02250 | .56010 | .00092 | .05151 | -.24700 | .03080 | -.01320 | .66700 |
| | GRADIENT | .00010 | -.00041 | -.00051 | .00002 | -.00042 | .00007 | -.02292 | .00246 | -.00191 | .00043 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG016) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 25.000 BDFLAP = -11.700

RUN NO. 77/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.560 | -9.970 | .51880 | .11180 | -.01360 | .53050 | .01477 | .05190 | .22600 | -.02730 | .02420 | .66100 |
| 10.560 | -8.000 | .51070 | .11450 | -.00830 | .52300 | .01901 | .05042 | .17600 | -.02030 | .02060 | .65800 |
| 10.560 | -5.990 | .50260 | .11490 | -.00250 | .51520 | .02090 | .04924 | .12700 | -.01400 | .01700 | .65400 |
| 10.550 | -4.000 | .49880 | .11600 | .00100 | .51170 | .02267 | .04828 | .07800 | -.00760 | .01430 | .65100 |
| 10.550 | -2.010 | .49570 | .11590 | .00440 | .50860 | .02315 | .04767 | .03100 | -.00190 | .01020 | .64900 |
| 10.550 | -1.010 | .49470 | .11510 | .00610 | .50740 | .02253 | .04846 | .00800 | .00070 | .00800 | .64700 |
| 10.550 | .000 | .49300 | .11550 | .00520 | .50580 | .02327 | .04771 | -.01300 | .00300 | .00580 | .64800 |
| 10.550 | .980 | .49380 | .11430 | .00550 | .50640 | .02191 | .04815 | -.03800 | .00670 | .00420 | .64800 |
| 10.560 | 1.970 | .49570 | .11330 | .00320 | .50800 | .02052 | .04865 | -.06100 | .00970 | .00250 | .64900 |
| 10.550 | 3.960 | .49810 | .11330 | -.00010 | .51050 | .02017 | .04879 | -.10700 | .01480 | -.00160 | .65200 |
| 10.560 | 5.970 | .50100 | .11090 | -.00570 | .51280 | .01721 | .05016 | -.15500 | .02160 | -.00540 | .65600 |
| 10.560 | 7.960 | .50780 | .10950 | -.01060 | .51930 | .01457 | .05180 | -.20400 | .02760 | -.00950 | .65900 |
| | 9.980 | .51160 | .10720 | -.01570 | .52260 | .01156 | .05363 | -.25200 | .03360 | -.01400 | .66300 |
| | GRADIENT | -.00009 | -.00040 | -.00018 | -.00017 | -.00038 | .00009 | -.02321 | .00284 | -.00198 | .00012 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG017) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 55.000 BDFLAP = -11.700

RUN NO. 79/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.570 | -9.980 | .49790 | .12560 | .01090 | .51250 | .03210 | .05687 | .22500 | -.02630 | .02320 | .64400 |
| 10.570 | -7.970 | .49010 | .12750 | .01450 | .50520 | .03544 | .05531 | .17500 | -.01930 | .01930 | .64100 |
| 10.560 | -5.980 | .48330 | .12710 | .02030 | .49850 | .03630 | .05449 | .12300 | -.01270 | .01580 | .63700 |
| 10.570 | -3.990 | .47700 | .12850 | .02520 | .49250 | .03887 | .05330 | .07400 | -.00580 | .01290 | .63300 |
| 10.560 | -2.000 | .47750 | .12770 | .02690 | .49280 | .03804 | .05353 | .02800 | -.00080 | .00920 | .63200 |
| 10.560 | -1.010 | .47460 | .12740 | .02840 | .48990 | .03824 | .05309 | .00600 | .00130 | .00730 | .63000 |
| 10.560 | .000 | .47430 | .12710 | .02820 | .48950 | .03804 | .05328 | -.01400 | .00330 | .00520 | .63100 |
| 10.570 | .980 | .47390 | .12650 | .02710 | .48910 | .03737 | .05305 | -.03900 | .00670 | .00430 | .63100 |
| 10.560 | 1.980 | .47630 | .12450 | .02480 | .49100 | .03509 | .05445 | -.06300 | .01000 | .00290 | .63300 |
| 10.560 | 3.980 | .47750 | .12510 | .02150 | .49240 | .03546 | .05425 | -.10700 | .01470 | -.00100 | .63600 |
| 10.570 | 5.970 | .48290 | .12200 | .01580 | .49710 | .03139 | .05654 | -.15700 | .02200 | -.00490 | .64000 |
| 10.570 | 7.970 | .48920 | .12100 | .00980 | .50310 | .02927 | .05880 | -.20700 | .02880 | -.00960 | .64500 |
| 10.570 | 9.970 | .49380 | .11870 | .00590 | .50720 | .02611 | .05956 | -.25700 | .03570 | -.01410 | .64800 |
| | GRADIENT | -.00003 | -.00050 | -.00049 | -.00011 | -.00049 | .00013 | -.02273 | .00261 | -.00170 | .00036 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 015 (RFG018) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700

RUN NO. 81/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.590 | -9.880 | .48210 | .14130 | .03460 | .49990 | .05030 | .06247 | .21800 | -.02370 | .02200 | .62600 |
| 10.580 | -7.930 | .47610 | .14140 | .03480 | .49400 | .05152 | .06193 | .17000 | -.01740 | .01790 | .62600 |
| 10.580 | -5.910 | .47130 | .14050 | .03950 | .48910 | .05158 | .06159 | .11900 | -.01080 | .01470 | .62200 |
| 10.580 | -3.920 | .46330 | .14230 | .04630 | .48160 | .05481 | .05976 | .07000 | -.00390 | .01210 | .61600 |
| 10.580 | -1.920 | .46270 | .14040 | .04840 | .48060 | .05306 | .06076 | .02400 | .00080 | .00880 | .61500 |
| 10.580 | -.930 | .45930 | .14070 | .04970 | .47730 | .05400 | .05997 | .00300 | .00290 | .00710 | .61300 |
| 10.570 | .050 | .45860 | .14000 | .04970 | .47660 | .05348 | .06055 | -.01700 | .00480 | .00560 | .61300 |
| 10.580 | 1.060 | .46160 | .13920 | .04840 | .47930 | .05203 | .06122 | -.03900 | .00730 | .00440 | .61500 |
| 10.580 | 2.050 | .46210 | .13690 | .04650 | .47940 | .04972 | .06259 | -.06300 | .01030 | .00340 | .61600 |
| 10.580 | 4.050 | .46500 | .13740 | .04340 | .48230 | .04966 | .06292 | -.10800 | .01470 | -.00020 | .61900 |
| 10.570 | 6.040 | .46900 | .13440 | .03610 | .48570 | .04608 | .06541 | -.15600 | .02140 | -.00420 | .62400 |
| 10.580 | 8.060 | .47560 | .13360 | .03150 | .49200 | .04400 | .06688 | -.20700 | .02830 | -.00870 | .62800 |
| 10.580 | 10.050 | .48400 | .13120 | .02440 | .49980 | .04068 | .06706 | -.25700 | .03550 | -.01370 | .63400 |
| | GRADIENT | .00019 | -.00067 | -.00040 | .00006 | -.00070 | .00042 | -.02220 | .00234 | -.00150 | .00038 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 XS G15 (RFG019) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 83/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .060 | -9.940 | .06310 | .05820 | -.03310 | .06320 | .05815 | .04791 | .22600 | -.02370 | .01010 | .84500 |
| .060 | -7.990 | .05830 | .06320 | -.02760 | .05840 | .06323 | .04681 | .18200 | -.02030 | .00980 | .82600 |
| .060 | -5.980 | .05230 | .06880 | -.02260 | .05240 | .06883 | .04683 | .13200 | -.01350 | .00920 | .81100 |
| .070 | -3.990 | .04940 | .06930 | -.00580 | .04950 | .06933 | .04664 | .08100 | .00270 | .00870 | .69500 |
| .060 | -1.990 | .04240 | .07620 | -.01600 | .04250 | .07617 | .04607 | .02800 | .00080 | .00780 | .79000 |
| .060 | -1.010 | .04200 | .07680 | -.01580 | .04210 | .07680 | .04609 | .00300 | .00330 | .00750 | .79000 |
| .050 | .000 | .04020 | .07730 | -.01700 | .04020 | .07735 | .04609 | -.02200 | .00680 | .00730 | .80800 |
| .050 | .990 | .04160 | .07620 | -.01640 | .04170 | .07616 | .04656 | -.04800 | .01030 | .00740 | .79600 |
| .060 | 1.980 | .04330 | .07560 | -.01760 | .04340 | .07562 | .04707 | -.07400 | .01370 | .00720 | .80100 |
| .050 | 3.990 | .04610 | .07400 | -.02070 | .04610 | .07395 | .04735 | -.12500 | .01930 | .00650 | .81700 |
| .060 | 5.990 | .04980 | .06910 | -.02510 | .04990 | .06913 | .04782 | -.17200 | .02550 | .00560 | .83700 |
| .060 | 7.990 | .05640 | .06330 | -.02960 | .05650 | .06324 | .04873 | -.21900 | .03130 | .00490 | .84500 |
| .060 | 10.010 | .06200 | .05740 | -.03580 | .06210 | .05739 | .04934 | -.26500 | .03560 | .00490 | .86400 |
| | GRADIENT | -.00028 | .00041 | -.00151 | -.00029 | .00040 | .00013 | -.02578 | .00237 | -.00024 | .01233 |

RUN NO. 84/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.570 | -9.970 | .55590 | .10940 | -.03820 | .56650 | .00548 | .04878 | .21800 | -.02350 | .02220 | .67700 |
| 10.570 | -7.990 | .54750 | .11250 | -.03310 | .55890 | .01015 | .04652 | .17300 | -.01810 | .01890 | .67400 |
| 10.570 | -5.970 | .54110 | .11380 | -.02770 | .55280 | .01264 | .04464 | .12400 | -.01220 | .01550 | .67000 |
| 10.570 | -3.990 | .53520 | .11390 | -.02290 | .54700 | .01383 | .04341 | .07600 | -.00640 | .01330 | .66700 |
| 10.570 | -2.000 | .53400 | .11380 | -.02080 | .54580 | .01391 | .04342 | .02900 | -.00060 | .00890 | .66600 |
| 10.570 | -1.000 | .53090 | .11270 | -.01930 | .54260 | .01346 | .04369 | .00700 | .00150 | .00690 | .66500 |
| 10.570 | .000 | .52960 | .11240 | -.01850 | .54120 | .01336 | .04405 | -.01500 | .00450 | .00490 | .66400 |
| 10.570 | .990 | .53100 | .11160 | -.02020 | .54250 | .01232 | .04457 | -.03900 | .00780 | .00320 | .66600 |
| 10.560 | 1.970 | .53120 | .10950 | -.02130 | .54230 | .01023 | .04551 | -.06300 | .01050 | .00170 | .66600 |
| 10.560 | 3.970 | .53360 | .10940 | -.02360 | .54460 | .00969 | .04590 | -.10900 | .01590 | -.00230 | .66800 |
| 10.560 | 5.980 | .53780 | .10730 | -.03040 | .54840 | .00689 | .04808 | -.15600 | .02150 | -.00590 | .67200 |
| 10.560 | 7.980 | .54380 | .10690 | -.03560 | .55420 | .00532 | .04911 | -.20300 | .02650 | -.00950 | .67500 |
| 10.570 | 9.970 | .54900 | .10530 | -.04030 | .55900 | .00279 | .04990 | -.24900 | .03170 | -.01330 | .67800 |
| | GRADIENT | -.00029 | -.00066 | -.00011 | -.00040 | -.00060 | .00036 | -.02322 | .00282 | -.00193 | .00012 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG019) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 85/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.230 | -9.980 | 1.15230 | .36500 | -.07580 | 1.20620 | -.07717 | .05923 | .23400 | -.02950 | .02830 | .67500 |
| 21.230 | -8.000 | 1.13970 | .36100 | -.06570 | 1.19310 | -.07619 | .05818 | .17400 | -.01620 | .02640 | .67200 |
| 21.220 | -5.960 | 1.12750 | .35900 | -.05650 | 1.18100 | -.07353 | .05613 | .11800 | -.00550 | .02360 | .66900 |
| 21.220 | -4.000 | 1.12260 | .35960 | -.05060 | 1.17660 | -.07119 | .05788 | .07400 | -.00110 | .01910 | .66800 |
| 21.220 | -2.010 | 1.11820 | .35980 | -.04520 | 1.17260 | -.06940 | .05957 | .03000 | .00470 | .01180 | .66600 |
| 21.220 | -1.010 | 1.11800 | .35990 | -.04770 | 1.17240 | -.06912 | .06002 | .00500 | .00570 | .00940 | .66700 |
| 21.230 | .000 | 1.12230 | .36160 | -.04190 | 1.17710 | -.06945 | .06119 | -.01800 | .01390 | .00460 | .66500 |
| 21.220 | .990 | 1.11770 | .35970 | -.04900 | 1.17210 | -.06939 | .06118 | -.04200 | .01210 | .00340 | .66700 |
| 21.220 | 1.970 | 1.11430 | .35740 | -.05020 | 1.16810 | -.07014 | .06069 | -.06600 | .01420 | .00090 | .66800 |
| 21.220 | 3.980 | 1.11860 | .36050 | -.05280 | 1.17320 | -.06894 | .05877 | -.10900 | .01680 | -.00440 | .66800 |
| 21.210 | 5.980 | 1.11830 | .35920 | -.05860 | 1.17250 | -.06980 | .05672 | -.15000 | .01920 | -.00920 | .67000 |
| 21.210 | 7.990 | 1.12530 | .36070 | -.06910 | 1.17960 | -.07096 | .05932 | -.19900 | .02610 | -.01350 | .67300 |
| 21.210 | 9.970 | 1.13290 | .36020 | -.07780 | 1.18650 | -.07424 | .06223 | -.25100 | .03460 | -.01810 | .67600 |
| | GRADIENT | -.00057 | -.00003 | -.00048 | -.00054 | .00017 | .00017 | -.02318 | .00232 | -.00291 | .00009 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG020) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300

RUN NO. 87/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .090 | -10.000 | .09870 | .05810 | -.05600 | .09870 | .05794 | .04978 | .22800 | -.02490 | .01030 | .86100 |
| .080 | -8.000 | .09210 | .06310 | -.04880 | .09220 | .06303 | .04831 | .18400 | -.02080 | .01000 | .84700 |
| .080 | -5.990 | .08550 | .06910 | -.04280 | .08560 | .06902 | .04820 | .13200 | -.01360 | .00960 | .83600 |
| .080 | -4.010 | .08110 | .07340 | -.03970 | .08130 | .07332 | .04825 | .08100 | -.00670 | .00900 | .83200 |
| .080 | -2.020 | .07790 | .07640 | -.03820 | .07800 | .07630 | .04778 | .02800 | .00000 | .00810 | .83200 |
| .080 | -1.030 | .07670 | .07730 | -.03680 | .07680 | .07728 | .04765 | .00300 | .00320 | .00770 | .82800 |
| .080 | -.010 | .07690 | .07740 | -.03700 | .07710 | .07731 | .04734 | -.02300 | .00690 | .00770 | .82800 |
| .080 | .980 | .07780 | .07750 | -.03780 | .07790 | .07742 | .04770 | -.04900 | .01000 | .00730 | .83100 |
| .080 | 1.970 | .07810 | .07650 | -.03790 | .07820 | .07643 | .04781 | -.07300 | .01320 | .00710 | .83000 |
| .080 | 3.960 | .07990 | .07430 | -.04060 | .08000 | .07422 | .04795 | -.12400 | .01960 | .00630 | .83900 |
| .080 | 5.960 | .08480 | .07000 | -.04410 | .08490 | .06994 | .04835 | -.17200 | .02550 | .00510 | .84300 |
| .080 | 7.970 | .09070 | .06350 | -.04900 | .09080 | .06337 | .05002 | -.21900 | .03100 | .00450 | .85000 |
| .080 | 9.960 | .09860 | .05870 | -.05720 | .09870 | .05857 | .05086 | -.26500 | .03570 | .00420 | .86500 |
| | GRADIENT | -.00008 | .00010 | -.00010 | -.00009 | .00010 | -.00003 | -.02565 | .00331 | -.00032 | .00064 |

RUN NO. 88/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.610 | -9.990 | .59580 | .11500 | -.06360 | .60680 | .00327 | .05463 | .21700 | -.02290 | .02300 | .69000 |
| 10.610 | -8.010 | .58740 | .12040 | -.05830 | .59960 | .01017 | .04943 | .17400 | -.01870 | .01940 | .68800 |
| 10.610 | -6.000 | .58230 | .12140 | -.05340 | .59470 | .01209 | .04717 | .12800 | -.01350 | .01610 | .68500 |
| 10.610 | -4.010 | .57590 | .12080 | -.04760 | .58830 | .01267 | .04660 | .07700 | -.00630 | .01370 | .68200 |
| 10.610 | -2.020 | .57270 | .11990 | -.04500 | .58500 | .01245 | .04723 | .03000 | -.00070 | .00950 | .68000 |
| 10.600 | -1.020 | .57010 | .11880 | -.04290 | .58230 | .01182 | .04790 | .00500 | .00240 | .00750 | .67900 |
| 10.600 | -.010 | .56980 | .11850 | -.04310 | .58190 | .01155 | .04797 | -.01600 | .00450 | .00550 | .67900 |
| 10.600 | .970 | .57070 | .11820 | -.04390 | .58270 | .01110 | .04798 | -.03900 | .00710 | .00360 | .68000 |
| 10.600 | 1.960 | .57320 | .11630 | -.04700 | .58480 | .00885 | .04897 | -.06300 | .01020 | .00190 | .68100 |
| 10.600 | 3.980 | .57610 | .11450 | -.04970 | .58730 | .00649 | .05106 | -.11000 | .01560 | -.00230 | .68300 |
| 10.600 | 5.950 | .58100 | .11330 | -.05600 | .59190 | .00443 | .05279 | -.15700 | .02140 | -.00580 | .68700 |
| 10.610 | 7.960 | .58610 | .11350 | -.06170 | .59700 | .00371 | .05304 | -.20400 | .02660 | -.00950 | .69000 |
| 10.610 | 9.990 | .58970 | .11450 | -.06480 | .60070 | .00395 | .05194 | -.24900 | .03160 | -.01380 | .69200 |
| | GRADIENT | .00006 | -.00079 | -.00032 | -.00010 | -.00078 | .00051 | -.02334 | .00272 | -.00198 | .00017 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG020) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300

RUN NO. 89/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.270 | -9.950 | 1.19690 | .38080 | -.10330 | 1.25350 | -.07938 | .06997 | .22800 | -.02820 | .02860 | .68200 |
| 21.260 | -7.960 | 1.18360 | .37810 | -.09330 | 1.24010 | -.07700 | .06500 | .17200 | -.01720 | .02700 | .68000 |
| 21.260 | -5.930 | 1.17410 | .37780 | -.08410 | 1.23120 | -.07377 | .06293 | .11600 | -.00550 | .02430 | .67700 |
| 21.260 | -3.970 | 1.16440 | .38430 | -.07730 | 1.22450 | -.06415 | .06061 | .07900 | -.00380 | .01880 | .67500 |
| 21.260 | -1.970 | 1.16110 | .38510 | -.07700 | 1.22170 | -.06224 | .06145 | .03600 | -.00070 | .01250 | .67500 |
| 21.260 | -.980 | 1.16250 | .38210 | -.07380 | 1.22200 | -.06553 | .06195 | .00600 | .00520 | .00990 | .67400 |
| 21.260 | .020 | 1.16170 | .38140 | -.07500 | 1.22100 | -.06592 | .06307 | -.01800 | .00820 | .00710 | .67400 |
| 21.260 | 1.020 | 1.16000 | .38060 | -.07580 | 1.21910 | -.06591 | .06346 | -.04300 | .01100 | .00450 | .67500 |
| 21.260 | 2.000 | 1.15840 | .37920 | -.07630 | 1.21710 | -.06659 | .06310 | -.06800 | .01410 | .00170 | .67500 |
| 21.260 | 4.010 | 1.16410 | .38270 | -.08190 | 1.22360 | -.06544 | .06099 | -.10900 | .01640 | -.00390 | .67600 |
| 21.250 | 6.000 | 1.16310 | .38300 | -.08610 | 1.22280 | -.06473 | .05868 | -.14800 | .01920 | -.00860 | .67800 |
| 21.250 | 8.000 | 1.16530 | .38310 | -.09510 | 1.22500 | -.06529 | .06054 | -.19500 | .02530 | -.01330 | .68000 |
| 21.250 | 10.010 | 1.17560 | .38660 | -.10800 | 1.23580 | -.06579 | .06195 | -.24700 | .03360 | -.01760 | .68400 |
| | GRADIENT | -.00022 | -.00047 | -.00045 | -.00037 | -.00034 | .00015 | -.02410 | .00278 | -.00281 | .00012 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG021) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = 10.000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 91/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .040 | -9.970 | .03140 | .05950 | -.01550 | .03150 | .05949 | .05291 | .25200 | -.03620 | .01670 | .83300 |
| .040 | -7.990 | .02730 | .06460 | -.01150 | .02740 | .06461 | .05118 | .21000 | -.03300 | .01700 | .80700 |
| .040 | -5.980 | .02290 | .07090 | -.00820 | .02300 | .07089 | .05075 | .16000 | -.02710 | .01690 | .78300 |
| .040 | -4.000 | .01980 | .07640 | -.00550 | .01990 | .07640 | .05026 | .11000 | -.02080 | .01670 | .75500 |
| .040 | -2.000 | .01480 | .07980 | -.00230 | .01490 | .07980 | .04968 | .06000 | -.01440 | .01650 | .70900 |
| .040 | -1.000 | .01260 | .08010 | -.00080 | .01270 | .08018 | .04943 | .03400 | -.01090 | .01650 | .67600 |
| .030 | .000 | .01160 | .08080 | -.00080 | .01170 | .08085 | .04976 | .00700 | -.00730 | .01660 | .67900 |
| .030 | .980 | .01160 | .08030 | -.00100 | .01170 | .08037 | .05025 | -.01700 | -.00410 | .01660 | .68600 |
| .030 | 1.980 | .01220 | .08010 | -.00100 | .01220 | .08017 | .04990 | -.04200 | -.00110 | .01630 | .68300 |
| .040 | 3.980 | .01550 | .07810 | -.00380 | .01550 | .07817 | .04985 | -.09300 | .00470 | .01560 | .74400 |
| .040 | 5.970 | .01880 | .07360 | -.00720 | .01880 | .07359 | .04976 | -.14100 | .01110 | .01500 | .79200 |
| .040 | 7.980 | .02620 | .06800 | -.01260 | .02630 | .06799 | .05095 | -.18700 | .01650 | .01390 | .82800 |
| .040 | 10.000 | .03140 | .06210 | -.01650 | .03150 | .06210 | .05124 | -.23400 | .02170 | .01360 | .84500 |
| | GRADIENT | -.00056 | .00018 | .00022 | -.00057 | .00019 | -.00001 | -.02549 | .00323 | -.00011 | -.00206 |

RUN NO. 92/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.560 | -9.980 | .52880 | .10730 | -.02090 | .53950 | .00854 | .05208 | .23900 | -.03310 | .02890 | .66600 |
| 10.550 | -7.990 | .52190 | .11050 | -.01610 | .53330 | .01306 | .04985 | .19300 | -.02840 | .02570 | .66300 |
| 10.560 | -5.960 | .51600 | .11130 | -.01100 | .52770 | .01484 | .04824 | .14600 | -.02320 | .02240 | .66000 |
| 10.550 | -4.000 | .50910 | .11200 | -.00590 | .52100 | .01683 | .04692 | .10100 | -.01780 | .02060 | .65600 |
| 10.560 | -2.000 | .50970 | .11190 | -.00450 | .52160 | .01665 | .04693 | .05600 | -.01300 | .01690 | .65500 |
| 10.550 | -.990 | .50690 | .11170 | -.00270 | .51880 | .01697 | .04685 | .03400 | -.01110 | .01480 | .65400 |
| 10.550 | .000 | .50530 | .11160 | -.00150 | .51720 | .01715 | .04701 | .01100 | -.00860 | .01300 | .65300 |
| 10.550 | .990 | .50640 | .11120 | -.00260 | .51820 | .01655 | .04723 | -.01100 | -.00580 | .01130 | .65400 |
| 10.550 | 1.960 | .50800 | .11050 | -.00480 | .51960 | .01554 | .04789 | -.03500 | -.00240 | .00990 | .65500 |
| 10.550 | 3.980 | .50720 | .11010 | -.00680 | .51880 | .01544 | .04764 | -.08100 | .00230 | .00570 | .65700 |
| 10.550 | 5.970 | .51130 | .10840 | -.01100 | .52250 | .01295 | .04822 | -.12700 | .00870 | .00180 | .66000 |
| 10.550 | 7.980 | .51650 | .10690 | -.01610 | .52740 | .01053 | .04957 | -.17600 | .01410 | -.00170 | .66300 |
| 10.550 | 9.970 | .52330 | .10480 | -.02080 | .53360 | .00720 | .05054 | -.22000 | .01880 | -.00580 | .66600 |
| | GRADIENT | -.00028 | -.00026 | -.00010 | -.00032 | -.00020 | .00012 | -.02283 | .00256 | -.00184 | .00009 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG021) ( 12 MAR 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | 10.000 |
| SPDBRK = | .000 | BDFLAP = | -11.700 |

RUN NO. 93/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.210 | -9.980 | 1.12380 | .35850 | -.05430 | 1.17740 | -.07246 | .05827 | .25400 | -.03870 | .03390 | .66900 |
| 21.200 | -7.990 | 1.11110 | .35300 | -.04650 | 1.16360 | -.07281 | .05775 | .19600 | -.02710 | .03340 | .66700 |
| 21.200 | -5.990 | 1.09920 | .35170 | -.03710 | 1.15210 | -.06959 | .05533 | .14300 | -.01710 | .03050 | .66400 |
| 21.200 | -4.000 | 1.09290 | .35110 | -.02910 | 1.14590 | -.06790 | .05677 | .10000 | -.01310 | .02650 | .66100 |
| 21.200 | -2.020 | 1.09200 | .35240 | -.02930 | 1.14550 | -.06634 | .06042 | .05800 | -.01030 | .02020 | .66100 |
| 21.200 | -.990 | 1.09220 | .35210 | -.02870 | 1.14560 | -.06680 | .06185 | .03100 | -.00610 | .01680 | .66100 |
| 21.200 | .000 | 1.09030 | .35200 | -.02900 | 1.14380 | -.06610 | .06279 | .00700 | -.00360 | .01410 | .66100 |
| 21.190 | .980 | 1.08800 | .35030 | -.02910 | 1.14110 | -.06685 | .06290 | -.01400 | -.00140 | .01150 | .66100 |
| 21.190 | 1.980 | 1.08450 | .34890 | -.02710 | 1.13730 | -.06678 | .06312 | -.04000 | .00180 | .00850 | .66100 |
| 21.190 | 3.970 | 1.08890 | .35170 | -.03090 | 1.14240 | -.06575 | .06185 | -.08200 | .00430 | .00320 | .66200 |
| 21.190 | 5.960 | 1.09000 | .35200 | -.03810 | 1.14360 | -.06587 | .05926 | -.12300 | .00740 | -.00160 | .66400 |
| 21.190 | 7.980 | 1.09620 | .35040 | -.04620 | 1.14870 | -.06951 | .06271 | -.17500 | .01500 | -.00740 | .66700 |
| 21.180 | 10.000 | 1.10200 | .35070 | -.05710 | 1.15420 | -.07129 | .06377 | -.23100 | .02520 | -.01220 | .67000 |
| | GRADIENT | -.00084 | -.00015 | -.00008 | -.00083 | .00018 | .00064 | -.02316 | .00235 | -.00291 | .00010 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG022) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = -10.000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 95/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .030 | -9.970 | .03230 | .06150 | -.01320 | .03230 | .06155 | .05087 | .19600 | -.01040 | .00140 | .80300 |
| .030 | -7.990 | .02910 | .06660 | -.00830 | .02920 | .06659 | .04970 | .15100 | -.00580 | .00070 | .75600 |
| .030 | -5.960 | .02570 | .07250 | -.00580 | .02570 | .07248 | .04966 | .10000 | .00100 | .00030 | .73500 |
| .030 | -4.000 | .02260 | .07730 | -.00260 | .02260 | .07730 | .04971 | .04800 | .00800 | .00010 | .69600 |
| .030 | -1.990 | .01790 | .07980 | -.00070 | .01790 | .07984 | .04941 | -.00100 | .01390 | -.00080 | .66800 |
| .030 | -.990 | .01660 | .08040 | .00020 | .01660 | .08041 | .04935 | -.02900 | .01790 | -.00040 | .64500 |
| .030 | .000 | .01720 | .08020 | -.00020 | .01720 | .08019 | .04927 | -.05400 | .02130 | -.00050 | .65600 |
| .020 | 1.000 | .01680 | .07910 | -.00130 | .01690 | .07909 | .05015 | -.08000 | .02480 | -.00050 | .68000 |
| .030 | 1.990 | .01870 | .07930 | -.00230 | .01870 | .07931 | .04932 | -.10400 | .02750 | -.00080 | .69900 |
| .020 | 3.990 | .02080 | .07700 | -.00650 | .02080 | .07707 | .04975 | -.15300 | .03280 | -.00160 | .76800 |
| .030 | 5.990 | .02630 | .07250 | -.01050 | .02640 | .07255 | .05014 | -.20000 | .03880 | -.00200 | .79900 |
| .030 | 7.980 | .03310 | .06660 | -.01600 | .03310 | .06667 | .05097 | -.24400 | .04330 | -.00250 | .83000 |
| .030 | 10.000 | .03680 | .06140 | -.01920 | .03680 | .06141 | .05192 | -.29000 | .04740 | -.00170 | .84400 |
| | GRADIENT | -.00013 | -.00008 | -.00048 | -.00013 | -.00008 | .00002 | -.02532 | .00318 | -.00016 | .00917 |

RUN NO. 96/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.540 | -9.980 | .52600 | .10840 | -.01960 | .53700 | .01026 | .04947 | .19100 | -.01090 | .01590 | .66500 |
| 10.540 | -7.980 | .51830 | .11150 | -.01340 | .53000 | .01477 | .04798 | .14300 | -.00560 | .01230 | .66100 |
| 10.540 | -5.950 | .51220 | .11140 | -.00580 | .52390 | .01579 | .04758 | .09500 | .00160 | .00870 | .65600 |
| 10.540 | -3.980 | .50760 | .11270 | .00100 | .51960 | .01789 | .04686 | .04700 | .01120 | .00520 | .63100 |
| 10.540 | -2.000 | .50620 | .11260 | -.00260 | .51830 | .01807 | .04670 | .00100 | .01300 | .00190 | .65400 |
| 10.540 | -.990 | .50580 | .11210 | .00260 | .51780 | .01767 | .04684 | -.02100 | .01800 | -.00060 | .65000 |
| 10.540 | .010 | .50670 | .11190 | .00230 | .51870 | .01726 | .04664 | -.04300 | .02090 | -.00260 | .65000 |
| 10.540 | 1.000 | .50730 | .11070 | .00070 | .51900 | .01601 | .04683 | -.06700 | .02360 | -.00410 | .65100 |
| 10.540 | 1.990 | .50650 | .10900 | -.00470 | .51790 | .01458 | .04726 | -.08900 | .02240 | -.00470 | .65500 |
| 10.540 | 4.010 | .51080 | .11000 | -.00860 | .52240 | .01475 | .04703 | -.13500 | .02720 | -.00880 | .65800 |
| 10.540 | 5.970 | .51340 | .10760 | -.01380 | .52440 | .01190 | .04859 | -.17800 | .03190 | -.01190 | .66100 |
| 10.540 | 7.990 | .51840 | .10640 | -.01870 | .52910 | .00980 | .05058 | -.22500 | .03650 | -.01520 | .66500 |
| 10.540 | 10.010 | .52400 | .10410 | -.02290 | .53420 | .00645 | .05235 | -.27100 | .04140 | -.01880 | .66800 |
| | GRADIENT | .00036 | -.00046 | -.00106 | .00028 | -.00051 | .00004 | -.02275 | .00211 | -.00173 | .00074 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG022) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = -10.000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 97/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.190 | -9.970 | 1.11640 | .35370 | -.05470 | 1.16880 | -.07386 | .05858 | .20700 | -.01750 | .02290 | .66900 |
| 21.180 | -7.990 | 1.10220 | .34910 | -.04410 | 1.15390 | -.07288 | .05810 | .14500 | -.00370 | .02050 | .66600 |
| 21.180 | -5.980 | 1.09010 | .34780 | -.03470 | 1.14210 | -.06959 | .05737 | .08900 | .00740 | .01710 | .66300 |
| 21.180 | -3.990 | 1.08610 | .34700 | -.02610 | 1.13810 | -.06896 | .05862 | .04300 | .01200 | .01230 | .66000 |
| 21.180 | -1.990 | 1.08340 | .34780 | -.02530 | 1.13590 | -.06725 | .06035 | .00100 | .01530 | .00580 | .66000 |
| 21.180 | -.990 | 1.08550 | .34740 | -.02730 | 1.13770 | -.06834 | .06163 | -.02300 | .01880 | .00270 | .66100 |
| 21.180 | .000 | 1.08540 | .34800 | -.02800 | 1.13780 | -.06775 | .06234 | -.04800 | .02300 | -.00050 | .66100 |
| 21.180 | 1.000 | 1.08300 | .34570 | -.02710 | 1.13480 | -.06899 | .06270 | -.07100 | .02400 | -.00260 | .66100 |
| 21.180 | 1.980 | 1.08220 | .34520 | -.02840 | 1.13380 | -.06920 | .06237 | -.09500 | .02650 | -.00550 | .66100 |
| 21.180 | 3.990 | 1.08230 | .34700 | -.03140 | 1.13460 | -.06750 | .05829 | -.13600 | .02850 | -.01060 | .66200 |
| 21.180 | 5.980 | 1.08490 | .34750 | -.03910 | 1.13710 | -.06807 | .05644 | -.17500 | .03070 | -.01500 | .66400 |
| 21.180 | 7.990 | 1.09010 | .34630 | -.04530 | 1.14160 | -.07108 | .06079 | -.22200 | .03640 | -.01940 | .66600 |
| 21.170 | 10.010 | 1.09680 | .34780 | -.05590 | 1.14840 | -.07187 | .06165 | -.27800 | .04610 | -.02400 | .67000 |
| | GRADIENT | -.00048 | -.00016 | -.00065 | -.00050 | .00003 | .00009 | -.02284 | .00224 | -.00286 | .00024 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X37 (RFG023) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 99/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.190 | -9.970 | 1.12000 | .32920 | -.05150 | 1.16320 | -.09808 | .05872 | .20100 | -.02180 | .03420 | .66800 |
| 21.190 | -7.990 | 1.10730 | .32410 | -.03970 | 1.14960 | -.09811 | .05610 | .14900 | -.01170 | .03200 | .66500 |
| 21.190 | -5.980 | 1.10110 | .32340 | -.03110 | 1.14360 | -.09659 | .05344 | .09900 | -.00280 | .02760 | .66200 |
| 21.200 | -3.990 | 1.10270 | .32690 | -.02820 | 1.14630 | -.09403 | .05487 | .05600 | .00310 | .02170 | .66100 |
| 21.210 | -1.990 | 1.10310 | .33230 | -.02730 | 1.14860 | -.08934 | .05696 | .01900 | .00650 | .01450 | .66100 |
| 21.210 | -1.000 | 1.10140 | .33240 | -.02600 | 1.14710 | -.08858 | .05778 | -.00100 | .00830 | .01090 | .66000 |
| 21.210 | .000 | 1.10040 | .33300 | -.02610 | 1.14630 | -.08766 | .05868 | -.02200 | .00990 | .00730 | .66000 |
| 21.210 | .990 | 1.10000 | .33320 | -.02500 | 1.14600 | -.08736 | .05919 | -.04100 | .01180 | .00370 | .66000 |
| 21.200 | 1.990 | 1.09930 | .33130 | -.02750 | 1.14470 | -.08878 | .05932 | -.06300 | .01340 | .00080 | .66100 |
| 21.200 | 3.990 | 1.09660 | .33130 | -.03140 | 1.14220 | -.08772 | .05696 | -.10100 | .01670 | -.00460 | .66200 |
| 21.190 | 5.980 | 1.09390 | .32940 | -.03840 | 1.13910 | -.08829 | .05372 | -.14200 | .02070 | -.00980 | .66400 |
| 21.190 | 7.990 | 1.10230 | .32870 | -.04760 | 1.14660 | -.09198 | .05877 | -.18900 | .02820 | -.01440 | .66700 |
| 21.190 | 9.980 | 1.11400 | .33360 | -.05940 | 1.15930 | -.09178 | .06123 | -.24200 | .03780 | -.01870 | .67100 |
| | GRADIENT | -.00080 | .00039 | -.00029 | -.00060 | .00066 | .00035 | -.01987 | .00171 | -.00334 | .00010 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG024) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 101/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| -4.310 | -9.970 | -.26060 | .06220 | .01230 | -.26450 | .04249 | .05907 | .24800 | -.01820 | .00440 | .66900 |
| -4.310 | -7.990 | -.26840 | .07000 | .01740 | -.27290 | .04968 | .05769 | .20200 | -.01550 | .00540 | .67500 |
| -4.310 | -5.980 | -.27400 | .07680 | .02230 | -.27900 | .05600 | .05665 | .15200 | -.01100 | .00580 | .68100 |
| -4.320 | -3.990 | -.28070 | .08230 | .02730 | -.28610 | .06093 | .05596 | .10000 | -.00690 | .00530 | .68700 |
| -4.320 | -2.000 | -.28460 | .08600 | .03110 | -.29030 | .06435 | .05503 | .04600 | -.00270 | .00420 | .69100 |
| -4.320 | -1.020 | -.28430 | .08640 | .03170 | -.29000 | .06481 | .05526 | .01900 | -.00070 | .00400 | .69200 |
| -4.320 | .000 | -.28540 | .08690 | .03070 | -.29110 | .06515 | .05518 | -.00600 | .00140 | .00350 | .69100 |
| -4.320 | .980 | -.28440 | .08630 | .03010 | -.29010 | .06460 | .05539 | -.03300 | .00370 | .00340 | .69000 |
| -4.320 | 1.980 | -.28160 | .08550 | .02840 | -.28720 | .06411 | .05583 | -.05900 | .00570 | .00300 | .68800 |
| -4.310 | 3.960 | -.27510 | .08300 | .02560 | -.28060 | .06207 | .05599 | -.11000 | .00950 | .00230 | .68500 |
| -4.310 | 5.970 | -.26960 | .07780 | .02010 | -.27470 | .05733 | .05713 | -.16200 | .01420 | .00150 | .67900 |
| -4.310 | 7.970 | -.26220 | .07120 | .01340 | -.26680 | .05133 | .05730 | -.21100 | .01830 | .00150 | .67000 |
| -4.300 | 10.000 | -.25750 | .06460 | .01010 | -.26160 | .04515 | .05813 | -.25900 | .02060 | .00220 | .66600 |
| | GRADIENT | .00068 | .00004 | -.00033 | .00067 | .00009 | .00004 | -.02639 | .00208 | -.00036 | -.00038 |

RUN NO. 102/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .040 | -9.980 | -.00150 | .04770 | .00270 | -.00150 | .04775 | .05519 | .23600 | -.02190 | .01050 | 1.32700 |
| .040 | -7.990 | -.00650 | .05460 | .00780 | -.00640 | .05460 | .05407 | .19000 | -.01780 | .01000 | 1.09900 |
| .030 | -5.990 | -.01290 | .06080 | .01310 | -.01290 | .06087 | .05340 | .14300 | -.01290 | .00850 | 1.02500 |
| .030 | -3.990 | -.01760 | .06580 | .01810 | -.01750 | .06585 | .05291 | .09200 | -.00770 | .00670 | 1.03100 |
| .020 | -2.000 | -.02040 | .06920 | .02050 | -.02030 | .06924 | .05299 | .04200 | -.00290 | .00500 | 1.02200 |
| .020 | -1.000 | -.02200 | .06940 | .02160 | -.02190 | .06945 | .05299 | .01600 | -.00050 | .00410 | 1.01500 |
| .020 | -.010 | -.02350 | .07020 | .02080 | -.02350 | .07024 | .05293 | -.00700 | .00150 | .00290 | .97700 |
| .020 | .980 | -.02200 | .06980 | .02010 | -.02200 | .06990 | .05302 | -.03300 | .00430 | .00220 | .98900 |
| .020 | 1.980 | -.02110 | .06880 | .01930 | -.02110 | .06882 | .05303 | -.05900 | .00700 | .00130 | .98800 |
| .020 | 3.980 | -.01780 | .06580 | .01660 | -.01780 | .06587 | .05306 | -.10900 | .01140 | -.00070 | .99500 |
| .030 | 6.000 | -.01320 | .06050 | .01170 | -.01320 | .06055 | .05338 | -.15700 | .01660 | -.00230 | .97800 |
| .040 | 7.970 | -.00590 | .05510 | .00560 | -.00590 | .05511 | .05471 | -.20400 | .02090 | -.00360 | 1.00400 |
| .030 | 9.960 | -.00070 | .04980 | .00000 | -.00070 | .04987 | .05616 | -.24600 | .02350 | -.00480 | .67800 |
| | GRADIENT | -.00005 | -.00001 | -.00024 | -.00007 | -.00001 | .00002 | -.02523 | .00242 | -.00093 | -.00569 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG024) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 103/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.450 | -9.970 | .29680 | .05820 | -.01020 | .30100 | .02974 | .05194 | .22800 | -.02180 | .01940 | .66400 |
| 5.440 | -7.990 | .28830 | .06080 | -.00350 | .29270 | .03316 | .05116 | .18000 | -.01750 | .01580 | .65600 |
| 5.440 | -5.970 | .28420 | .06580 | .00170 | .28920 | .03864 | .05077 | .13500 | -.01210 | .01280 | .65000 |
| 5.430 | -3.990 | .27890 | .06890 | .00590 | .28420 | .04220 | .04952 | .08500 | -.00770 | .00890 | .64400 |
| 5.420 | -2.010 | .27620 | .07130 | .00880 | .28170 | .04485 | .04915 | .03900 | -.00300 | .00590 | .64000 |
| 5.420 | -1.010 | .27620 | .07180 | .00940 | .28170 | .04534 | .04898 | .01500 | -.00060 | .00450 | .63900 |
| 5.420 | .000 | .27510 | .07200 | .00960 | .28070 | .04564 | .04866 | -.00800 | .00180 | .00290 | .63900 |
| 5.420 | .980 | .27670 | .07210 | .00850 | .28220 | .04569 | .04894 | -.03200 | .00420 | .00130 | .64100 |
| 5.420 | 1.970 | .27760 | .07080 | .00710 | .28300 | .04429 | .04961 | -.05500 | .00620 | -.00010 | .64200 |
| 5.410 | 3.980 | .28180 | .06800 | .00310 | .28690 | .04109 | .05007 | -.10100 | .01090 | -.00300 | .64800 |
| 5.410 | 5.960 | .28350 | .06530 | -.00080 | .28850 | .03832 | .05058 | -.14700 | .01500 | -.00690 | .65300 |
| 5.410 | 7.980 | .28760 | .06110 | -.00580 | .29210 | .03371 | .05125 | -.19300 | .02020 | -.01010 | .65900 |
| 5.410 | 9.960 | .29210 | .05760 | -.00980 | .29630 | .02955 | .05254 | -.24000 | .02360 | -.01450 | .66400 |
| | GRADIENT | .00036 | -.00010 | -.00037 | .00033 | -.00013 | .00007 | -.02340 | .00233 | -.00150 | .00053 |

RUN NO. 104/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.810 | -9.980 | .58260 | .10010 | -.01840 | .59100 | -.01101 | .05030 | .21700 | -.02040 | .02510 | .66300 |
| 10.810 | -8.000 | .57630 | .10360 | -.01450 | .58550 | -.00636 | .04881 | .17300 | -.01620 | .02070 | .66100 |
| 10.810 | -5.970 | .56820 | .10400 | -.01080 | .57770 | -.00437 | .04781 | .12600 | -.01150 | .01600 | .65900 |
| 10.800 | -3.990 | .56210 | .10520 | -.00390 | .57180 | -.00198 | .04685 | .08100 | -.00670 | .01220 | .65400 |
| 10.790 | -2.010 | .55790 | .10500 | -.00170 | .56770 | -.00139 | .04653 | .03700 | -.00280 | .00720 | .65300 |
| 10.800 | -1.000 | .55870 | .10520 | -.00110 | .56860 | -.00132 | .04680 | .01300 | -.00040 | .00500 | .65300 |
| 10.800 | .000 | .55870 | .10570 | -.00190 | .56870 | -.00087 | .04668 | -.00700 | .00140 | .00270 | .65300 |
| 10.790 | .980 | .55900 | .10440 | -.00320 | .56870 | -.00219 | .04680 | -.03100 | .00390 | .00020 | .65400 |
| 10.790 | 1.980 | .55910 | .10230 | -.00300 | .56840 | -.00420 | .04727 | -.05400 | .00650 | -.00210 | .65400 |
| 10.780 | 3.980 | .56180 | .10260 | -.00760 | .57110 | -.00431 | .04676 | -.09700 | .00970 | -.00780 | .65700 |
| 10.780 | 5.970 | .56600 | .10140 | -.01130 | .57500 | -.00618 | .04774 | -.14000 | .01360 | -.01260 | .65900 |
| 10.790 | 7.970 | .57270 | .10010 | -.01710 | .58130 | -.00889 | .04999 | -.18500 | .01780 | -.01740 | .66300 |
| 10.790 | 9.970 | .57810 | .09780 | -.02130 | .58620 | -.01216 | .05216 | -.23000 | .02240 | -.02280 | .66500 |
| | GRADIENT | .00004 | -.00040 | -.00047 | -.00003 | -.00038 | .00003 | -.02242 | .00212 | -.00247 | .00036 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG024) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 105/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.210 | -9.970 | .90240 | .19930 | -.05180 | .92220 | -.06056 | .05146 | .21000 | -.01870 | .02500 | .67300 |
| 16.200 | -7.990 | .89390 | .19970 | -.04240 | .91410 | -.05776 | .04952 | .16300 | -.01300 | .02100 | .66900 |
| 16.200 | -5.980 | .88160 | .19810 | -.03120 | .90180 | -.05581 | .04750 | .12000 | -.00880 | .01770 | .66500 |
| 16.190 | -4.000 | .86770 | .19510 | -.02070 | .88770 | -.05467 | .04688 | .07700 | -.00560 | .01370 | .66000 |
| 16.190 | -2.010 | .87160 | .19650 | -.02320 | .89190 | -.05441 | .04809 | .03200 | -.00070 | .00740 | .66100 |
| 16.190 | -1.010 | .87100 | .19510 | -.02220 | .89080 | -.05557 | .04870 | .01000 | .00090 | .00450 | .66100 |
| 16.190 | .000 | .86890 | .19210 | -.02240 | .88800 | -.05786 | .04861 | -.01200 | .00390 | .00100 | .66100 |
| 16.190 | .980 | .87380 | .19470 | -.02290 | .89350 | -.05664 | .04918 | -.03500 | .00610 | -.00230 | .66100 |
| 16.190 | 1.970 | .87400 | .19600 | -.02570 | .89400 | -.05549 | .04908 | -.05600 | .00690 | -.00490 | .66200 |
| 16.180 | 3.980 | .87280 | .19530 | -.02500 | .89260 | -.05567 | .04799 | -.09900 | .01050 | -.01040 | .66200 |
| 16.180 | 5.970 | .88210 | .19840 | -.03600 | .90240 | -.05525 | .04866 | -.14200 | .01350 | -.01400 | .66700 |
| 16.180 | 7.970 | .89210 | .19790 | -.04650 | .91190 | -.05861 | .05100 | -.18500 | .01680 | -.01870 | .67100 |
| 16.190 | 9.960 | .90170 | .19710 | -.05710 | .92090 | -.06212 | .05370 | -.22800 | .02160 | -.02410 | .67500 |
| | GRADIENT | .00067 | -.00002 | -.00055 | .00063 | -.00017 | .00016 | -.02209 | .00203 | -.00305 | .00024 |

RUN NO. 106/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.630 | -9.980 | 1.20130 | .40320 | -.08780 | 1.26540 | -.06807 | .05760 | .25100 | -.03930 | .02280 | .67700 |
| 21.640 | -8.000 | 1.20680 | .40300 | -.08330 | 1.27040 | -.07046 | .05638 | .20500 | -.03370 | .01590 | .67600 |
| 21.620 | -5.980 | 1.18250 | .39210 | -.06450 | 1.24380 | -.07127 | .05346 | .14800 | -.02420 | .01710 | .67100 |
| 21.610 | -4.000 | 1.17470 | .37390 | -.05320 | 1.22990 | -.08518 | .05352 | .07900 | -.00730 | .01630 | .66800 |
| 21.630 | -2.010 | 1.18210 | .37580 | -.05450 | 1.23740 | -.08642 | .05540 | .03900 | -.00410 | .00900 | .66800 |
| 21.620 | -1.020 | 1.17850 | .37350 | -.05350 | 1.23320 | -.08696 | .05603 | .01600 | -.00080 | .00520 | .66800 |
| 21.620 | .000 | 1.18430 | .38530 | -.06000 | 1.24290 | -.07834 | .05890 | .00000 | -.00280 | .00190 | .67000 |
| 21.620 | .980 | 1.18030 | .37840 | -.05840 | 1.23670 | -.08312 | .05816 | -.03000 | .00310 | -.00110 | .66900 |
| 21.620 | 1.970 | 1.18350 | .37460 | -.05840 | 1.23830 | -.08794 | .05768 | -.05700 | .00740 | -.00410 | .66900 |
| 21.620 | 3.970 | 1.18810 | .37670 | -.06330 | 1.24330 | -.08751 | .05321 | -.10600 | .01280 | -.00790 | .67100 |
| 21.620 | 5.960 | 1.19320 | .37720 | -.07100 | 1.24830 | -.08896 | .05324 | -.15300 | .01890 | -.01140 | .67300 |
| 21.620 | 7.980 | 1.19990 | .37960 | -.08360 | 1.25530 | -.08921 | .05754 | -.19900 | .02410 | -.01410 | .67600 |
| 21.590 | 9.960 | 1.18310 | .37050 | -.08140 | 1.23640 | -.09094 | .05901 | -.24500 | .03000 | -.02470 | .67600 |
| | GRADIENT | .00139 | .00033 | -.00127 | .00141 | -.00020 | .00013 | -.02337 | .00256 | -.00309 | .00036 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG025) ( 12 MAR 78 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | 25.000 | BDFLAP = | -11.700 |
| H/BW = | .178 | | |

RUN NO. 114/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.800 | -9.990 | .57760 | .10440 | -.01170 | .58690 | -.00565 | .05251 | .22900 | -.02560 | .02840 | .65900 |
| 10.790 | -8.000 | .57020 | .10820 | -.00750 | .58040 | -.00052 | .05071 | .18100 | -.02010 | .02310 | .65700 |
| 10.790 | -5.990 | .56230 | .10890 | -.00180 | .57280 | .00170 | .04978 | .13200 | -.01470 | .01790 | .65300 |
| 10.780 | -4.010 | .55350 | .11010 | .00450 | .56440 | .00464 | .04871 | .08500 | -.00840 | .01320 | .64900 |
| 10.780 | -2.010 | .54810 | .10970 | .00810 | .55890 | .00527 | .04871 | .04000 | -.00420 | .00810 | .64600 |
| 10.780 | -1.020 | .54830 | .10960 | .00820 | .55920 | .00509 | .04944 | .01600 | -.00140 | .00570 | .64600 |
| 10.770 | .000 | .54830 | .10960 | .00810 | .55920 | .00517 | .04895 | -.00500 | .00040 | .00330 | .64600 |
| 10.770 | .970 | .54760 | .10870 | .00830 | .55830 | .00450 | .04898 | -.02700 | .00290 | .00100 | .64600 |
| 10.770 | 1.970 | .54880 | .10730 | .00670 | .55920 | .00293 | .04973 | -.05100 | .00540 | -.00150 | .64700 |
| 10.760 | 3.970 | .55250 | .10780 | .00310 | .56290 | .00273 | .04912 | -.09400 | .00920 | -.00770 | .65000 |
| 10.770 | 5.960 | .55880 | .10570 | -.00420 | .56870 | -.00059 | .05108 | -.14100 | .01490 | -.01340 | .65500 |
| 10.780 | 7.960 | .56600 | .10350 | -.00820 | .57540 | -.00412 | .05308 | -.18800 | .01960 | -.01860 | .65700 |
| 10.780 | 9.950 | .56980 | .10100 | -.01370 | .57860 | -.00736 | .05510 | -.23300 | .02460 | -.02460 | .66100 |
| | GRADIENT | -.00008 | -.00036 | -.00020 | -.00015 | -.00031 | .00008 | -.02247 | .00224 | -.00257 | .00014 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG026) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 55.000 BDFLAP = =11.700
H/BW = .178

RUN NO. 116/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.780 | -9.980 | .55110 | .11730 | .01270 | .56330 | .01211 | .05780 | .22700 | -.02480 | .02740 | .64300 |
| 10.770 | -8.000 | .53930 | .11940 | .01740 | .55210 | .01648 | .05632 | .17900 | -.01940 | .02200 | .64000 |
| 10.770 | -5.990 | .53340 | .12010 | .02240 | .54650 | .01834 | .05532 | .13000 | -.01350 | .01690 | .63700 |
| 10.760 | -4.020 | .52520 | .12170 | .02890 | .53870 | .02142 | .05433 | .08200 | -.00730 | .01240 | .63200 |
| 10.760 | -2.020 | .52100 | .12020 | .03280 | .53430 | .02088 | .05484 | .03800 | -.00340 | .00760 | .62900 |
| 10.760 | -1.030 | .52060 | .12040 | .03330 | .53390 | .02110 | .05460 | .01500 | -.00070 | .00560 | .62900 |
| 10.760 | -.020 | .52130 | .12070 | .03280 | .53470 | .02121 | .05496 | -.00600 | .00290 | .00320 | .62900 |
| 10.760 | .970 | .52060 | .12000 | .03140 | .53390 | .02064 | .05524 | -.02800 | .00290 | .00120 | .63000 |
| 10.760 | 1.960 | .52060 | .11790 | .03150 | .53350 | .01861 | .05607 | -.05200 | .00540 | -.00100 | .63000 |
| 10.760 | 3.960 | .52360 | .11780 | .02590 | .53640 | .01794 | .05570 | -.09400 | .00880 | -.00670 | .63400 |
| 10.760 | 5.950 | .53050 | .11530 | .01990 | .54270 | .01415 | .05836 | -.14200 | .01500 | -.01230 | .63800 |
| 10.780 | 7.970 | .53780 | .11350 | .01490 | .54950 | .01092 | .06091 | -.19200 | .02050 | -.01790 | .64200 |
| 10.780 | 9.940 | .54240 | .11110 | .00970 | .55360 | .00764 | .06249 | -.23800 | .02630 | -.02430 | .64500 |
| | GRADIENT | -.00017 | -.00049 | -.00039 | -.00026 | -.00045 | .00020 | -.02213 | .00204 | -.00234 | .00026 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG027) ( 12 MAR 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | 85.000 | BDFLAP = | -11.700 |
| H/BW = | .178 | | |

RUN NO. 118/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.810 | -9.970 | .53690 | .13340 | .03590 | .55240 | .03038 | .06330 | .22300 | -.02280 | .02560 | .62800 |
| 10.800 | -8.000 | .52970 | .13550 | .03990 | .54580 | .03383 | .06215 | .17500 | -.01630 | .02000 | .62500 |
| 10.790 | -5.980 | .51930 | .13510 | .04610 | .53540 | .03542 | .06181 | .12500 | -.01080 | .01530 | .62000 |
| 10.780 | -4.000 | .51200 | .13710 | .05300 | .52870 | .03890 | .06085 | .07800 | -.00510 | .01130 | .61500 |
| 10.780 | -1.990 | .50730 | .13440 | .05340 | .52350 | .03717 | .06266 | .03400 | -.00160 | .00680 | .61400 |
| 10.780 | -1.010 | .50760 | .13560 | .05460 | .52400 | .03824 | .06187 | .01300 | .00010 | .00500 | .61300 |
| 10.780 | .000 | .50660 | .13490 | .05440 | .52290 | .03773 | .06233 | -.00800 | .00190 | .00310 | .61300 |
| 10.770 | .980 | .50770 | .13360 | .05410 | .52380 | .03635 | .06248 | -.02900 | .00380 | .00100 | .61400 |
| 10.770 | 1.980 | .50880 | .13110 | .05230 | .52430 | .03368 | .06368 | -.05100 | .00580 | -.00080 | .61500 |
| 10.770 | 3.970 | .51060 | .13270 | .04810 | .52640 | .03498 | .06316 | -.09300 | .00860 | -.00630 | .61800 |
| 10.770 | 5.970 | .51760 | .12920 | .04130 | .53270 | .03022 | .06613 | -.14200 | .01510 | -.01180 | .62300 |
| 10.770 | 7.970 | .52600 | .12730 | .03530 | .54060 | .02675 | .06812 | -.19000 | .02070 | -.01750 | .62800 |
| 10.780 | 9.960 | .53310 | .12480 | .03070 | .54700 | .02297 | .06894 | -.23700 | .02700 | -.02400 | .63100 |
| | GRADIENT | -.00006 | -.00063 | -.00053 | -.00019 | -.00059 | .00028 | -.02143 | .00175 | -.00214 | .00036 |

0A172 B26C9PRIM16N24N28W116E43F8V8R5 X9 G15 (RFG028) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = 10.000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 120/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .020 | -9.990 | -.00760 | .04810 | .00550 | -.00760 | .04814 | .05747 | .26900 | -.03610 | .01840 | .91700 |
| .020 | -7.990 | -.01230 | .05490 | .00920 | -.01230 | .05500 | .05565 | .22400 | -.03260 | .01820 | .92900 |
| .020 | -5.970 | -.01820 | .06080 | .01870 | -.01810 | .06090 | .05501 | .17700 | -.02530 | .01710 | 1.03200 |
| .010 | -3.990 | -.02280 | .06660 | .01790 | -.02280 | .06662 | .05462 | .12800 | -.02360 | .01530 | .94100 |
| .020 | -2.000 | -.02710 | .07030 | .02560 | -.02710 | .07039 | .05417 | .07600 | -.01520 | .01350 | 1.00000 |
| .020 | -1.000 | -.02900 | .07100 | .02350 | -.02890 | .07101 | .05387 | .05100 | -.01610 | .01270 | .95100 |
| .010 | .000 | -.02960 | .07160 | .02410 | -.02960 | .07162 | .05437 | .02600 | -.01310 | .01190 | .95200 |
| .020 | .990 | -.02970 | .07120 | .02460 | -.02960 | .07125 | .05403 | .00100 | -.01140 | .01120 | .95700 |
| .010 | 1.980 | -.02820 | .07080 | .02240 | -.02820 | .07082 | .05415 | -.02200 | -.00930 | .01030 | .94400 |
| .010 | 3.980 | -.02370 | .06730 | .02000 | -.02360 | .06732 | .05438 | -.07400 | -.00360 | .00850 | .96300 |
| .010 | 5.950 | -.02070 | .06270 | .01550 | -.02070 | .06276 | .05456 | -.12200 | .00070 | .00650 | .92800 |
| .020 | 7.980 | -.01460 | .05720 | .01070 | -.01450 | .05730 | .05480 | -.17200 | .00690 | .00510 | .92200 |
| .020 | 9.960 | -.00940 | .05220 | .00410 | -.00940 | .05223 | .05618 | -.21800 | .01100 | .00280 | .81400 |
| | GRADIENT | -.00016 | .00010 | .00007 | -.00015 | .00009 | -.00002 | -.02520 | .00231 | -.00084 | -.00043 |

RUN NO. 121/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.780 | -9.980 | .58010 | .10050 | -.01620 | .58870 | -.00974 | .05196 | .24400 | -.03220 | .03240 | .66200 |
| 10.770 | -8.000 | .57400 | .10440 | -.01280 | .58340 | -.00476 | .04985 | .20100 | -.02890 | .02820 | .66000 |
| 10.760 | -5.960 | .56620 | .10490 | -.00880 | .57580 | -.00275 | .04803 | .15400 | -.02380 | .02360 | .65700 |
| 10.760 | -3.990 | .55910 | .10610 | -.00300 | .56910 | -.00016 | .04723 | .11200 | -.02030 | .01990 | .65400 |
| 10.760 | -2.000 | .55400 | .10580 | .00000 | .56400 | .00049 | .04711 | .06700 | -.01630 | .01500 | .65200 |
| 10.760 | -1.010 | .55320 | .10610 | .00100 | .56330 | .00097 | .04691 | .04400 | -.01440 | .01290 | .65100 |
| 10.760 | .000 | .55390 | .10640 | .00060 | .56400 | .00112 | .04763 | .02200 | -.01210 | .01050 | .65100 |
| 10.760 | .990 | .55340 | .10550 | .00010 | .56340 | .00035 | .04745 | .00000 | -.00980 | .00810 | .65200 |
| 10.760 | 1.970 | .55370 | .10440 | -.00110 | .56350 | -.00076 | .04795 | -.02200 | -.00730 | .00540 | .65300 |
| 10.760 | 3.980 | .55720 | .10410 | -.00500 | .56690 | -.00173 | .04765 | -.06700 | -.00360 | -.00050 | .65500 |
| 10.760 | 5.970 | .56110 | .10300 | -.00860 | .57050 | -.00357 | .04862 | -.11200 | .00170 | -.00580 | .65700 |
| 10.760 | 7.980 | .56910 | .10090 | -.01290 | .57790 | -.00721 | .04991 | -.15900 | .00640 | -.01120 | .66000 |
| 10.760 | 9.970 | .57290 | .09860 | -.01780 | .58130 | -.01011 | .05152 | -.20200 | .01060 | -.01650 | .66300 |
| | GRADIENT | -.00019 | -.00027 | -.00027 | -.00023 | -.00022 | .00009 | -.02243 | .00214 | -.00253 | .00017 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG028) ( 12 MAR 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 | IN.XO | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 | IN.YO | |
| BREF = | 936.6600 INCHES | ZMRP = | 375.0000 | IN.ZO | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | 10.000 |
| SPDBRK = | .000 | BDFLAP = | -11.700 |
| H/BW = | .178 | | |

RUN NO. 122/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.600 | -9.970 | 1.19640 | .38260 | -.07570 | 1.25320 | -.08484 | .05396 | .26000 | -.04130 | .03250 | .67400 |
| 21.610 | -7.990 | 1.20240 | .38380 | -.07310 | 1.25930 | -.08610 | .05276 | .21600 | -.03750 | .02640 | .67300 |
| 21.580 | -5.970 | 1.16880 | .37100 | -.05070 | 1.22330 | -.08511 | .05012 | .15800 | -.02620 | .02750 | .66700 |
| 21.580 | -3.990 | 1.16290 | .37080 | -.04740 | 1.21780 | -.08300 | .05272 | .10800 | -.02070 | .02430 | .66600 |
| 21.590 | -2.000 | 1.17030 | .37390 | -.04840 | 1.22580 | -.08302 | .05520 | .07000 | -.01810 | .01670 | .66600 |
| 21.590 | -1.010 | 1.17060 | .37260 | -.04980 | 1.22560 | -.08437 | .05601 | .04400 | -.01310 | .01280 | .66700 |
| 21.590 | .000 | 1.17040 | .37400 | -.05130 | 1.22590 | -.08290 | .05793 | .02100 | -.01150 | .00990 | .66700 |
| 21.600 | .980 | 1.17320 | .38230 | -.05120 | 1.23160 | -.07645 | .05965 | .00600 | -.00960 | .00500 | .66700 |
| 21.590 | 1.980 | 1.16910 | .37950 | -.05360 | 1.22670 | -.07730 | .05973 | -.01800 | -.00960 | .00240 | .66800 |
| 21.590 | 3.990 | 1.17950 | .37660 | -.05900 | 1.23530 | -.08402 | .05546 | -.07600 | -.00010 | .00000 | .66900 |
| 21.590 | 5.960 | 1.17990 | .37590 | -.05730 | 1.23550 | -.08466 | .05512 | -.12200 | .00580 | -.00350 | .67200 |
| 21.590 | 7.990 | 1.18590 | .37520 | -.07650 | 1.24070 | -.08749 | .05855 | -.17200 | .01310 | -.00810 | .67500 |
| 21.560 | 9.960 | 1.17030 | .36750 | -.07590 | 1.22350 | -.08847 | .06010 | -.21900 | .01910 | -.01860 | .67500 |
| | GRADIENT | .00159 | .00105 | -.00139 | .00186 | .00036 | .00056 | -.02269 | .00246 | -.00319 | .00038 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG029) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = -10.000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 124/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -9.950 | -.00920 | .05110 | .00720 | -.00920 | .05118 | .05546 | .21300 | -.01120 | .00290 | .93800 |
| -.010 | -7.970 | -.01480 | .05800 | .01330 | -.01480 | .05809 | .05441 | .16600 | -.00610 | .00190 | .98100 |
| -.010 | -5.970 | -.02100 | .06420 | .01850 | -.02100 | .06425 | .05370 | .11800 | -.00090 | .00050 | .97700 |
| -.010 | -3.990 | -.02650 | .06950 | .02300 | -.02650 | .06957 | .05379 | .06800 | .00390 | -.00120 | .97100 |
| -.010 | -1.990 | -.03060 | .07240 | .02540 | -.03060 | .07243 | .05388 | .01700 | .00890 | -.00300 | .95700 |
| -.010 | -1.000 | -.03060 | .07340 | .02580 | -.03060 | .07346 | .05438 | -.00800 | .01090 | -.00360 | .96300 |
| -.010 | .000 | -.03300 | .07430 | .02840 | -.03310 | .07433 | .05421 | -.02900 | .01180 | -.00430 | .96800 |
| -.010 | 1.000 | -.03090 | .07380 | .02630 | -.03090 | .07380 | .05466 | -.05600 | .01510 | -.00470 | .96400 |
| -.010 | 2.000 | -.02850 | .07280 | .02510 | -.02850 | .07283 | .05498 | -.08000 | .01690 | -.00550 | .97600 |
| -.010 | 4.000 | -.02460 | .06940 | .02080 | -.02460 | .06948 | .05471 | -.12900 | .02130 | -.00740 | .96400 |
| -.010 | 5.990 | -.01970 | .06310 | .01640 | -.01970 | .06310 | .05508 | -.17800 | .02700 | -.00890 | .95700 |
| .000 | 7.990 | -.01080 | .05750 | .00890 | -.01080 | .05750 | .05622 | -.22600 | .03150 | -.01030 | .95400 |
| .000 | 9.970 | -.00600 | .05240 | .00270 | -.00600 | .05242 | .05727 | -.26800 | .03390 | -.01160 | .81700 |
| | GRADIENT | .00027 | .00002 | -.00021 | .00027 | .00002 | .00015 | -.02456 | .00214 | -.00074 | .00026 |

RUN NO. 125/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.750 | -9.960 | .57460 | .10050 | -.01410 | .58330 | -.00839 | .05010 | .19600 | -.01040 | .01980 | .66100 |
| 10.740 | -7.970 | .56530 | .10430 | -.00920 | .57480 | -.00293 | .04835 | .15000 | -.00590 | .01510 | .65800 |
| 10.740 | -5.960 | .55700 | .10480 | -.00360 | .56670 | -.00078 | .04786 | .10300 | -.00130 | .01030 | .65400 |
| 10.730 | -3.980 | .54970 | .10650 | .00190 | .56000 | .00221 | .04709 | .05700 | .00390 | .00590 | .65100 |
| 10.730 | -1.990 | .54590 | .10580 | .00350 | .55610 | .00233 | .04715 | .01200 | .00820 | .00100 | .64900 |
| 10.730 | -.990 | .54700 | .10620 | .00300 | .55720 | .00244 | .04713 | -.00900 | .01000 | -.00130 | .65000 |
| 10.730 | .000 | .54740 | .10620 | .00230 | .55760 | .00243 | .04706 | -.03100 | .01230 | -.00370 | .65000 |
| 10.730 | 1.000 | .54730 | .10480 | .00170 | .55720 | .00107 | .04752 | -.05500 | .01480 | -.00590 | .65100 |
| 10.730 | 1.990 | .54760 | .10350 | .00080 | .55730 | -.00024 | .04789 | -.07500 | .01650 | -.00830 | .65100 |
| 10.730 | 3.990 | .55150 | .10430 | -.00310 | .56120 | -.00025 | .04738 | -.11700 | .01960 | -.01380 | .65400 |
| 10.730 | 5.980 | .55640 | .10250 | -.00810 | .56580 | -.00286 | .04905 | -.16200 | .02410 | -.01850 | .65700 |
| 10.740 | 7.980 | .56230 | .10040 | -.01230 | .57120 | -.00616 | .05099 | -.20500 | .02720 | -.02310 | .66000 |
| 10.730 | 9.970 | .56780 | .09750 | -.01770 | .57600 | -.00995 | .05330 | -.24800 | .03140 | -.02830 | .66300 |
| | GRADIENT | .00026 | -.00035 | -.00064 | .00017 | -.00039 | .00007 | -.02190 | .00201 | -.00244 | .00041 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 015 (RFG029) ( 12 MAR 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | -10.000 |
| SPDBRK = | .000 | BDFLAP = | -11.700 |
| H/BW = | .178 | | |

RUN NO. 126/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.540 | -9.950 | 1.18520 | .39840 | -.08260 | 1.24870 | -.06471 | .05733 | .23200 | -.03040 | .01730 | .67600 |
| 21.550 | -7.980 | 1.19050 | .39930 | -.07790 | 1.25400 | -.06607 | .05597 | .18300 | -.02400 | .01010 | .67500 |
| 21.530 | -5.960 | 1.15830 | .38650 | -.05560 | 1.21930 | -.06550 | .05427 | .12400 | -.01390 | .01190 | .66900 |
| 21.530 | -3.980 | 1.15730 | .38570 | -.05230 | 1.21810 | -.06593 | .05592 | .07200 | -.00540 | .00950 | .66800 |
| 21.540 | -1.990 | 1.16910 | .38450 | -.05510 | 1.22860 | -.07167 | .05777 | .03000 | -.00030 | .00340 | .66800 |
| 21.530 | -1.000 | 1.16490 | .38320 | -.05310 | 1.22420 | -.07115 | .05868 | .00400 | .00330 | -.00070 | .66800 |
| 21.530 | .000 | 1.16510 | .37920 | -.05460 | 1.22300 | -.07499 | .05911 | -.02100 | .00750 | -.00310 | .66800 |
| 21.530 | 1.000 | 1.16260 | .37690 | -.05370 | 1.21980 | -.07614 | .05881 | -.04800 | .01080 | -.00600 | .66800 |
| 21.520 | 1.990 | 1.15870 | .37540 | -.05230 | 1.21560 | -.07598 | .05790 | -.07100 | .01360 | -.00980 | .66800 |
| 21.530 | 3.990 | 1.16950 | .37260 | -.05620 | 1.22460 | -.08271 | .05049 | -.12400 | .02210 | -.01270 | .66900 |
| 21.530 | 5.980 | 1.17440 | .37140 | -.06610 | 1.22880 | -.08557 | .05235 | -.17000 | .02730 | -.01590 | .67200 |
| 21.530 | 7.990 | 1.17810 | .37170 | -.07390 | 1.23230 | -.08664 | .05658 | -.21600 | .03240 | -.01910 | .67400 |
| 21.510 | 9.980 | 1.16470 | .36440 | -.07480 | 1.21720 | -.08806 | .05795 | -.26100 | .03730 | -.02850 | .67400 |
| | GRADIENT | .00061 | -.00184 | -.00025 | -.00010 | -.00193 | -.00051 | -.02481 | .00347 | -.00288 | .00010 |

0A172 B26C9PRIM16N24N28W11GE43F8V8R5 X9 G15 (RFG030) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000
H/BW = .178

RUN NO. 128/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .030 | -9.960 | .02590 | .04660 | -.01440 | .02590 | .04659 | .05253 | .24000 | -.02320 | .01110 | .85700 |
| .030 | -7.970 | .01940 | .05320 | -.00800 | .01940 | .05323 | .05186 | .19300 | -.01900 | .01040 | .80400 |
| .020 | -5.970 | .01220 | .05900 | -.00200 | .01230 | .05904 | .05112 | .14600 | -.01440 | .00880 | .71400 |
| .020 | -3.990 | .00570 | .06380 | .00380 | .00570 | .06386 | .05093 | .09500 | -.00900 | .00680 | .40500 |
| .020 | -1.990 | .00260 | .06740 | .00600 | .00260 | .06748 | .05052 | .04400 | -.00390 | .00470 | -.18800 |
| .020 | -.990 | .00160 | .06780 | .00700 | .00170 | .06780 | .05092 | .01900 | -.00160 | .00370 | -.85300 |
| .020 | .000 | .00160 | .06830 | .00640 | .00160 | .06838 | .05102 | -.00600 | .00110 | .00280 | -.75000 |
| .020 | 1.000 | .00220 | .06740 | .00630 | .00220 | .06741 | .05104 | -.03100 | .00360 | .00190 | -.37600 |
| .020 | 1.990 | .00370 | .06640 | .00480 | .00370 | .06644 | .05164 | -.05700 | .00630 | .00100 | .18300 |
| .020 | 3.990 | .00770 | .06340 | .00170 | .00770 | .06348 | .05182 | -.10700 | .01090 | -.00120 | .56900 |
| .020 | 5.980 | .01280 | .05800 | -.00330 | .01290 | .05805 | .05192 | -.15500 | .01630 | -.00280 | .74800 |
| .030 | 7.990 | .02140 | .05240 | -.01050 | .02140 | .05245 | .05317 | -.20300 | .02130 | -.00410 | .83300 |
| .030 | 9.970 | .02700 | .04710 | -.01660 | .02700 | .04715 | .05447 | -.24700 | .02430 | -.00580 | .87900 |
| | GRADIENT | .00026 | -.00010 | -.00027 | .00026 | -.00009 | .00014 | -.02532 | .00251 | -.00098 | .04462 |

RUN NO. 129/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.780 | -9.960 | .61260 | .10220 | -.03680 | .62090 | -.01417 | .05038 | .22000 | -.02140 | .02600 | .67400 |
| 10.770 | -7.980 | .60420 | .10610 | -.03280 | .61340 | -.00867 | .04804 | .17600 | -.01760 | .02160 | .67200 |
| 10.770 | -5.960 | .59470 | .10720 | -.02590 | .60430 | -.00580 | .04591 | .13000 | -.01310 | .01700 | .66800 |
| 10.760 | -3.980 | .58650 | .10760 | -.02040 | .59630 | -.00381 | .04453 | .08400 | -.00820 | .01280 | .66400 |
| 10.760 | -1.990 | .58450 | .10720 | -.01940 | .59420 | -.00379 | .04499 | .03900 | -.00390 | .00780 | .66400 |
| 10.760 | -1.000 | .58360 | .10740 | -.01820 | .59330 | -.00350 | .04518 | .01400 | -.00100 | .00530 | .66300 |
| 10.760 | .000 | .58390 | .10770 | -.01700 | .59370 | -.00325 | .04523 | -.00600 | .00090 | .00300 | .66200 |
| 10.760 | 1.000 | .58360 | .10630 | -.01940 | .59320 | -.00454 | .04576 | -.03000 | .00310 | .00040 | .66400 |
| 10.760 | 1.990 | .58380 | .10450 | -.01970 | .59310 | -.00630 | .04637 | -.05400 | .00610 | -.00220 | .66400 |
| 10.760 | 3.990 | .58770 | .10440 | -.02390 | .59680 | -.00720 | .04660 | -.09700 | .00970 | -.00800 | .66700 |
| 10.770 | 5.980 | .59500 | .10300 | -.02910 | .60380 | -.00995 | .04925 | -.14300 | .01420 | -.01280 | .67000 |
| 10.770 | 7.990 | .59970 | .10190 | -.03410 | .60820 | -.01196 | .04989 | -.18600 | .01790 | -.01780 | .67200 |
| 10.770 | 9.970 | .60580 | .10010 | -.03860 | .61380 | -.01487 | .05171 | -.22900 | .02210 | -.02320 | .67500 |
| | GRADIENT | .00008 | -.00046 | -.00038 | -.00001 | -.00047 | .00028 | -.02280 | .00229 | -.00258 | .00031 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG030) ( 12 MAR 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | .000 | BDFLAP = | .000 |
| H/BW = | .178 | | |

RUN NO. 130/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.610 | -9.960 | 1.22300 | .41200 | -.10610 | 1.28880 | -.06736 | .05784 | .24400 | -.03730 | .02390 | .68200 |
| 21.620 | -7.970 | 1.23430 | .41640 | -.10430 | 1.30090 | -.06783 | .05596 | .20200 | -.03390 | .01640 | .68100 |
| 21.600 | -5.970 | 1.20620 | .40310 | -.08410 | 1.26990 | -.06925 | .05427 | .14800 | -.02490 | .01790 | .67600 |
| 21.590 | -3.980 | 1.19900 | .40290 | -.07820 | 1.26310 | -.06667 | .05670 | .09300 | -.01540 | .01620 | .67500 |
| 21.600 | -1.990 | 1.21010 | .39500 | -.07880 | 1.27050 | -.07844 | .05665 | .03000 | -.00080 | .00970 | .67500 |
| 21.600 | -.990 | 1.21100 | .39460 | -.07960 | 1.27120 | -.07894 | .05626 | .00800 | .00210 | .00480 | .67500 |
| 21.610 | .000 | 1.21660 | .39800 | -.08230 | 1.27770 | -.07801 | .05741 | -.01400 | .00410 | .00170 | .67600 |
| 21.600 | 1.000 | 1.21400 | .40550 | -.08760 | 1.27810 | -.06999 | .05819 | -.02800 | .00200 | -.00140 | .67700 |
| 21.600 | 1.990 | 1.21600 | .40500 | -.08840 | 1.27970 | -.07121 | .05809 | -.05200 | .00540 | -.00540 | .67700 |
| 21.610 | 4.000 | 1.22330 | .40020 | -.08970 | 1.28470 | -.07851 | .05304 | -.10800 | .01450 | -.00700 | .67800 |
| 21.600 | 5.990 | 1.22250 | .39990 | -.09520 | 1.28360 | -.07833 | .05325 | -.15500 | .02060 | -.00880 | .67900 |
| 21.590 | 7.990 | 1.21750 | .39780 | -.10340 | 1.27850 | -.07821 | .05639 | -.19900 | .02560 | -.01270 | .68200 |
| 21.570 | 9.980 | 1.20350 | .38970 | -.10330 | 1.26250 | -.08007 | .05815 | -.24200 | .02960 | -.02210 | .68200 |
| | GRADIENT | .00267 | .00048 | -.00175 | .00267 | -.00057 | -.00024 | -.02398 | .00315 | -.00308 | .00043 |

0A172 B26C9PR1M16N24N28W11GE43F8V8R5 X9 G15 (RFG031) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300
H/BW = .178

RUN NO. 132/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .080 | -9.960 | .07110 | .04580 | -.04040 | .07110 | .04572 | .05476 | .24100 | -.02390 | .01240 | .86100 |
| .080 | -7.980 | .06300 | .05290 | -.03260 | .06310 | .05282 | .05251 | .19600 | -.02000 | .01130 | .84200 |
| .080 | -5.950 | .05460 | .05810 | -.02440 | .05470 | .05811 | .05268 | .14700 | -.01470 | .00940 | .81600 |
| .070 | -3.980 | .04930 | .06320 | -.02110 | .04940 | .06319 | .05272 | .09500 | -.00950 | .00730 | .80900 |
| .070 | -1.990 | .04550 | .06670 | -.01770 | .04560 | .06673 | .05160 | .04400 | -.00420 | .00520 | .79500 |
| .070 | -.990 | .04590 | .06710 | -.01760 | .04600 | .06709 | .05190 | .01800 | -.00190 | .00420 | .79300 |
| .070 | .010 | .04460 | .06770 | -.01670 | .04470 | .06770 | .05158 | -.00600 | .00070 | .00320 | .79000 |
| .070 | .990 | .04490 | .06730 | -.01650 | .04500 | .06730 | .05183 | -.03200 | .00340 | .00220 | .78700 |
| .070 | 1.990 | .04580 | .06610 | -.01760 | .04580 | .06611 | .05205 | -.05800 | .00640 | .00130 | .79300 |
| .080 | 3.990 | .05000 | .06310 | -.02050 | .05010 | .06308 | .05258 | -.10900 | .01140 | -.00070 | .80300 |
| .080 | 5.980 | .05460 | .05790 | -.02600 | .05470 | .05788 | .05327 | -.15600 | .01630 | -.00270 | .82700 |
| .080 | 7.990 | .06230 | .05200 | -.03250 | .06230 | .05197 | .05439 | -.20400 | .02120 | -.00400 | .84400 |
| .080 | 10.000 | .07060 | .04630 | -.04080 | .07070 | .04621 | .05562 | -.25000 | .02500 | -.00550 | .86500 |
| | GRADIENT | .00006 | -.00003 | .00009 | .00005 | -.00004 | .00001 | -.02559 | .00263 | -.00100 | -.00081 |

RUN NO. 133/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.850 | -9.950 | .65530 | .10630 | -.06640 | .66360 | -.01896 | .05830 | .21700 | -.02110 | .02530 | .68900 |
| 10.850 | -7.970 | .64920 | .11250 | -.06260 | .65880 | -.01169 | .05235 | .17600 | -.01790 | .02120 | .68700 |
| 10.840 | -5.940 | .64210 | .11450 | -.05880 | .65220 | -.00828 | .04915 | .13600 | -.01530 | .01680 | .68500 |
| 10.830 | -3.980 | .63430 | .11670 | -.05380 | .64490 | -.00458 | .04736 | .08900 | -.01010 | .01290 | .68300 |
| 10.830 | -1.990 | .62760 | .11440 | -.04870 | .63790 | -.00556 | .04840 | .03900 | -.00410 | .00780 | .68000 |
| 10.830 | -.990 | .62580 | .11340 | -.04670 | .63600 | -.00617 | .04908 | .01200 | -.00050 | .00560 | .67900 |
| 10.830 | .000 | .62490 | .11390 | -.04750 | .63520 | -.00552 | .04885 | -.00800 | .00120 | .00310 | .67900 |
| 10.830 | 1.000 | .62700 | .11300 | -.04810 | .63710 | -.00686 | .04908 | -.03100 | .00340 | .00040 | .68000 |
| 10.830 | 1.990 | .62790 | .11120 | -.05070 | .63770 | -.00877 | .05023 | -.05500 | .00640 | -.00200 | .68100 |
| 10.830 | 3.990 | .63400 | .10920 | -.05500 | .64330 | -.01188 | .05218 | -.10200 | .01070 | -.00780 | .68300 |
| 10.840 | 5.980 | .64070 | .10830 | -.06190 | .64970 | -.01410 | .05434 | -.14900 | .01610 | -.01290 | .68700 |
| 10.840 | 7.980 | .64440 | .11030 | -.06510 | .65370 | -.01287 | .05209 | -.18700 | .01860 | -.01770 | .68800 |
| 10.840 | 10.010 | .64820 | .10870 | -.06910 | .65710 | -.01516 | .05366 | -.23100 | .02260 | -.02280 | .69100 |
| | GRADIENT | .00002 | -.00088 | -.00024 | -.00014 | -.00087 | .00055 | -.02379 | .00258 | -.00257 | .00007 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG031) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300
H/BW = .178

RUN NO. 134/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.690 | -9.960 | 1.27400 | .43300 | -.13900 | 1.34380 | -.06843 | .06301 | .23900 | -.03590 | .02480 | .69000 |
| 21.700 | -7.970 | 1.28330 | .43770 | -.13840 | 1.35420 | -.06786 | .05882 | .20000 | -.03300 | .01780 | .68900 |
| 21.690 | -5.960 | 1.26610 | .43050 | -.12330 | 1.33560 | -.06795 | .05700 | .15000 | -.02560 | .01760 | .68600 |
| 21.680 | -3.980 | 1.26010 | .43140 | -.11720 | 1.33030 | -.06484 | .05724 | .09600 | -.01610 | .01580 | .68400 |
| 21.690 | -1.980 | 1.27130 | .43550 | -.12480 | 1.34220 | -.06536 | .05878 | .04200 | -.00670 | .00890 | .68600 |
| 21.690 | -.980 | 1.27390 | .43770 | -.12400 | 1.34550 | -.06429 | .05877 | .02100 | -.00430 | .00350 | .68600 |
| 21.690 | .000 | 1.27270 | .43640 | -.12280 | 1.34390 | -.06507 | .05880 | -.00100 | -.00140 | .00080 | .68500 |
| 21.690 | 1.020 | 1.27240 | .43500 | -.12400 | 1.34310 | -.06617 | .05800 | -.02600 | .00170 | -.00180 | .68600 |
| 21.690 | 2.000 | 1.27240 | .43290 | -.12520 | 1.34230 | -.06801 | .05787 | -.05000 | .00490 | -.00580 | .68600 |
| 21.690 | 3.990 | 1.28210 | .42870 | -.12980 | 1.34980 | -.07556 | .05446 | -.10900 | .01470 | -.00740 | .68700 |
| 21.680 | 5.990 | 1.28070 | .42940 | -.13620 | 1.34870 | -.07431 | .05470 | -.15500 | .02080 | -.00840 | .68900 |
| 21.660 | 8.020 | 1.25880 | .42230 | -.13330 | 1.32580 | -.07207 | .05603 | -.19800 | .02560 | -.01540 | .68800 |
| 21.640 | 9.970 | 1.25260 | .41970 | -.13570 | 1.31910 | -.07202 | .05695 | -.24100 | .03060 | -.02330 | .69000 |
| | GRADIENT | .00212 | -.00045 | -.00122 | .00181 | -.00120 | -.00033 | -.02512 | .00364 | -.00305 | .00029 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG032) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300
H/BW = .125

RUN NO. 136/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.180 | -9.970 | .14140 | .04260 | -.03630 | .14230 | .03971 | .05503 | .23500 | -.01970 | .01770 | .74600 |
| 1.180 | -5.970 | .12610 | .05560 | -.01940 | .12720 | .05306 | .05307 | .14200 | -.01130 | .01270 | .70800 |
| 1.170 | -1.990 | .11640 | .06440 | -.01070 | .11780 | .06205 | .05062 | .04400 | -.00350 | .00630 | .68500 |
| 1.170 | -1.000 | .11610 | .06560 | -.01100 | .11740 | .06325 | .05039 | .01900 | -.00180 | .00460 | .68700 |
| 1.180 | .000 | .11600 | .06540 | -.00900 | .11730 | .06307 | .05090 | -.00400 | .00250 | .00300 | .68000 |
| 1.170 | 1.000 | .11630 | .06540 | -.01210 | .11760 | .06306 | .05116 | -.03000 | .00260 | .00130 | .69000 |
| 1.170 | 1.990 | .11710 | .06430 | -.01260 | .11840 | .06196 | .05084 | -.05300 | .00430 | -.00010 | .69100 |
| 1.180 | 5.970 | .12620 | .05690 | -.02200 | .12740 | .05430 | .05221 | -.14900 | .01250 | -.00660 | .71600 |
| 1.180 | 9.970 | .13980 | .04650 | -.03580 | .14070 | .04360 | .05441 | -.24100 | .02000 | -.01100 | .74500 |
| | GRADIENT | .00016 | -.00004 | -.00049 | .00014 | -.00004 | .00012 | -.02440 | .00201 | -.00162 | .00151 |

0A172 B26C9PR1M1 5N24N28W116E43F8V8R5 X9 G15 (RFG032) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300
H/BW = .125

RUN NO. 137/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.930 | -9.960 | .70860 | .11090 | -.07470 | .71680 | -.02554 | .05780 | .21100 | -.01710 | .02820 | .69000 |
| 10.930 | -5.970 | .69390 | .11740 | -.06570 | .70350 | -.01631 | .04889 | .13100 | -.01240 | .01870 | .68600 |
| 10.920 | -3.980 | .68960 | .12010 | -.06230 | .69990 | -.01275 | .04688 | .09000 | -.00950 | .01380 | .68500 |
| 10.910 | -1.990 | .68160 | .11740 | -.05650 | .69160 | -.01375 | .04784 | .04200 | -.00460 | .00860 | .68200 |
| 10.910 | -1.000 | .67980 | .11680 | -.05500 | .68970 | -.01402 | .04798 | .01700 | -.00180 | .00560 | .68100 |
| 10.920 | .000 | .67860 | .11680 | -.05430 | .68840 | -.01383 | .04851 | -.00700 | .00090 | .00280 | .68100 |
| 10.910 | .990 | .67850 | .11490 | -.05560 | .68800 | -.01560 | .04878 | -.03100 | .00400 | .00010 | .68200 |
| 10.910 | 1.990 | .68050 | .11360 | -.05810 | .68970 | -.01722 | .05050 | -.05400 | .00580 | -.00310 | .68300 |
| 10.910 | 5.980 | .69250 | .11200 | -.06830 | .70120 | -.02119 | .05274 | -.14000 | .01280 | -.01570 | .68800 |
| 10.910 | 9.970 | .69850 | .11370 | -.07630 | .70740 | -.02061 | .05210 | -.21900 | .01660 | -.02690 | .69200 |
| | GRADIENT | -.00156 | -.00101 | .00075 | -.00173 | -.00067 | .00053 | -.02421 | .00263 | -.00282 | -.00033 |

RUN NO. 138/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.770 | -9.960 | 1.32340 | .44480 | -.15460 | 1.39400 | -.07787 | .06146 | .22700 | -.03270 | .03130 | .69300 |
| 21.790 | -5.960 | 1.33320 | .44960 | -.14760 | 1.40480 | -.07742 | .05455 | .14400 | -.02300 | .01940 | .69000 |
| 21.790 | -1.990 | 1.32950 | .45080 | -.14230 | 1.40180 | -.07515 | .05636 | .04200 | -.00830 | .01110 | .68900 |
| 21.800 | -1.000 | 1.33390 | .45220 | -.14560 | 1.40640 | -.07552 | .05626 | .02300 | -.00620 | .00480 | .69000 |
| 21.800 | .000 | 1.33930 | .45340 | -.14750 | 1.41190 | -.07653 | .05637 | .00000 | -.00260 | .00080 | .69000 |
| 21.790 | .990 | 1.33840 | .45200 | -.14930 | 1.41060 | -.07730 | .05568 | -.02100 | -.00070 | -.00220 | .69100 |
| 21.800 | 1.990 | 1.33950 | .45030 | -.14920 | 1.41090 | -.07936 | .05452 | -.04300 | .00220 | -.00710 | .69100 |
| 21.780 | 5.970 | 1.33170 | .44400 | -.15410 | 1.40140 | -.08181 | .05184 | -.14400 | .01670 | -.01650 | .69200 |
| 21.740 | 9.980 | 1.30720 | .43820 | -.15450 | 1.37650 | -.07733 | .05471 | -.23000 | .02590 | -.02970 | .69300 |
| | GRADIENT | .00246 | -.00012 | -.00176 | .00225 | -.00103 | -.00043 | -.02151 | .00266 | -.00436 | .00050 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG033) ( 12 MAR 78 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000
H/BW = .125

RUN NO. 140/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.130 | -9.960 | .09310 | .04510 | -.00600 | .09400 | .04324 | .05227 | .23500 | -.01980 | .01720 | .67600 |
| 1.130 | -5.960 | .07940 | .05700 | .00830 | .08060 | .05549 | .05132 | .14200 | -.01140 | .01250 | .61300 |
| 1.120 | -1.990 | .06860 | .06510 | .01690 | .06990 | .06380 | .05031 | .04300 | -.00330 | .00630 | .56200 |
| 1.120 | -1.000 | .06660 | .06560 | .01800 | .06790 | .06435 | .05000 | .01900 | -.00140 | .00470 | .55400 |
| 1.120 | .000 | .06730 | .06560 | .01770 | .06850 | .06435 | .05023 | -.00500 | .00060 | .00300 | .55700 |
| 1.120 | .990 | .06640 | .06530 | .01790 | .06760 | .06399 | .05067 | -.03000 | .00290 | .00150 | .55400 |
| 1.130 | 1.990 | .06900 | .06460 | .01670 | .07030 | .06323 | .05056 | -.05300 | .00460 | .00000 | .56400 |
| 1.130 | 5.980 | .07950 | .05650 | .00680 | .08060 | .05494 | .05201 | -.15000 | .01350 | -.00580 | .62000 |
| 1.130 | 9.970 | .09030 | .04610 | -.00570 | .09120 | .04435 | .05377 | -.24200 | .01990 | -.01070 | .67500 |
| | GRADIENT | .00006 | -.00013 | -.00005 | .00005 | -.00015 | .00012 | -.02422 | .00202 | -.00159 | .00041 |

RUN NO. 141/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.870 | -9.970 | .64940 | .10480 | -.03820 | .65750 | -.01956 | .05041 | .21200 | -.01760 | .02880 | .67300 |
| 10.850 | -5.960 | .63180 | .10730 | -.02820 | .64070 | -.01355 | .04593 | .12800 | -.01160 | .01880 | .66800 |
| 10.840 | -1.990 | .62030 | .10680 | -.01960 | .62930 | -.01182 | .04422 | .03900 | -.00390 | .00870 | .66300 |
| 10.840 | -1.000 | .61950 | .10630 | -.01950 | .62850 | -.01211 | .04470 | .01500 | -.00130 | .00590 | .66300 |
| 10.840 | .000 | .61890 | .10680 | -.01840 | .62800 | -.01157 | .04457 | -.00700 | .00090 | .00310 | .66300 |
| 10.840 | 1.000 | .61910 | .10510 | -.01840 | .62780 | -.01323 | .04527 | -.03000 | .00370 | .00020 | .66300 |
| 10.840 | 1.990 | .61830 | .10410 | -.02040 | .62690 | -.01407 | .04645 | -.05400 | .00600 | -.00280 | .66400 |
| 10.850 | 5.980 | .62880 | .10320 | -.02880 | .63700 | -.01700 | .04864 | -.14000 | .01250 | -.01510 | .66800 |
| 10.850 | 10.000 | .63990 | .10060 | -.03900 | .64740 | -.02171 | .05151 | -.22400 | .01830 | -.02640 | .67400 |
| | GRADIENT | -.00044 | -.00066 | -.00005 | -.00055 | -.00056 | .00050 | -.02319 | .00249 | -.00288 | .00020 |

RUN NO. 142/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.720 | -9.960 | 1.27010 | .42250 | -.11330 | 1.33630 | -.07762 | .05658 | .23200 | -.03340 | .03020 | .68300 |
| 21.730 | -5.970 | 1.27350 | .42340 | -.10340 | 1.33980 | -.07828 | .05293 | .14400 | -.02360 | .01940 | .68000 |
| 21.730 | -2.000 | 1.26970 | .42210 | -.09890 | 1.33580 | -.07798 | .05770 | .03700 | -.00710 | .01150 | .67900 |
| 21.740 | -1.000 | 1.27780 | .42440 | -.10690 | 1.34410 | -.07905 | .05800 | .01900 | -.00510 | .00490 | .68100 |
| 21.730 | .000 | 1.27700 | .42300 | -.10460 | 1.34290 | -.07992 | .05782 | -.00200 | -.00250 | .00110 | .68100 |
| 21.730 | .990 | 1.27650 | .42100 | -.10830 | 1.34170 | -.08153 | .05696 | -.02500 | .00050 | -.00190 | .68200 |
| 21.730 | 1.980 | 1.28050 | .42100 | -.10760 | 1.34540 | -.08314 | .05597 | -.04700 | .00310 | -.00670 | .68100 |
| 21.720 | 5.980 | 1.27580 | .41720 | -.11450 | 1.33960 | -.08457 | .05058 | -.14700 | .01720 | -.01370 | .68300 |
| 21.680 | 10.000 | 1.25270 | .40580 | -.11490 | 1.31400 | -.08584 | .05591 | -.23400 | .02650 | -.02800 | .68400 |
| | GRADIENT | .00204 | -.00056 | -.00189 | .00169 | -.00129 | -.00045 | -.02130 | .00261 | -.00434 | .00050 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG034) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 144/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.100 | -9.960 | .04540 | .04650 | .01610 | .04630 | .04561 | .05582 | .23100 | .02420 | .01530 | .52400 |
| 1.080 | -8.160 | .04100 | .06020 | -.00020 | .04210 | .05948 | .05458 | .18400 | .01350 | .01420 | .65400 |
| 1.100 | -5.960 | .03480 | .05820 | .02790 | .03590 | .05761 | .05342 | .13900 | .01550 | .01150 | .36600 |
| 1.090 | -3.980 | .02800 | .06320 | .03260 | .02920 | .06272 | .05317 | .09000 | .00990 | .00890 | .24100 |
| 1.100 | -1.980 | .02390 | .06710 | .03610 | .02520 | .06669 | .05267 | .04100 | .00520 | .00610 | .12400 |
| 1.100 | -.990 | .02240 | .06780 | .03870 | .02370 | .06744 | .05260 | .01600 | .00360 | .00470 | .05100 |
| 1.090 | .010 | .02210 | .06820 | .03870 | .02340 | .06782 | .05262 | -.00600 | .00000 | .00320 | .04200 |
| 1.090 | 1.000 | .02230 | .06720 | .03820 | .02360 | .06684 | .05278 | -.03100 | -.00180 | .00180 | .05700 |
| 1.100 | 1.990 | .02590 | .06680 | .03710 | .02720 | .06631 | .05313 | -.05500 | -.00350 | .00050 | .14900 |
| 1.110 | 3.990 | .03080 | .06390 | .03900 | .03200 | .06330 | .05297 | -.10100 | -.00240 | -.00220 | .20300 |
| 1.100 | 5.990 | .03690 | .05910 | .02540 | .03800 | .05842 | .05334 | -.15100 | -.01250 | -.00460 | .40600 |
| 1.100 | 7.990 | .04150 | .05200 | .01990 | .04250 | .05217 | .05452 | -.19700 | -.01770 | -.00650 | .48000 |
| 1.100 | 9.970 | .04560 | .04780 | .01420 | .04650 | .04700 | .05631 | -.24100 | -.02370 | -.00840 | .53900 |
| | GRADIENT | .00036 | .00004 | .00065 | .00036 | .00002 | .00001 | -.02399 | -.00172 | -.00140 | -.00231 |

RUN NO. 145/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.430 | -9.960 | .30430 | .05470 | .00220 | .30810 | .02565 | .05241 | .22500 | .01780 | .02020 | .64900 |
| 5.430 | -7.980 | .29670 | .05860 | .00830 | .30100 | .03034 | .05099 | .17800 | .01320 | .01630 | .64200 |
| 5.420 | -5.950 | .29060 | .06250 | .01290 | .29530 | .03472 | .05098 | .13200 | .01040 | .01310 | .63600 |
| 5.420 | -3.980 | .28750 | .06600 | .01880 | .29240 | .03859 | .04940 | .08600 | .00960 | .00920 | .62800 |
| 5.420 | -1.980 | .28310 | .06780 | .02040 | .28820 | .04077 | .04909 | .04000 | .00260 | .00620 | .62600 |
| 5.420 | -.990 | .28450 | .06910 | .02160 | .28980 | .04194 | .04910 | .01800 | .00290 | .00460 | .62400 |
| 5.420 | .010 | .28260 | .06870 | .02050 | .28790 | .04167 | .04842 | -.00500 | -.00010 | .00300 | .62600 |
| 5.430 | 1.000 | .28470 | .06900 | .02540 | .29000 | .04177 | .04863 | -.02900 | .00330 | .00110 | .62000 |
| 5.430 | 1.990 | .28680 | .06790 | .02540 | .29190 | .04048 | .04918 | -.05200 | .00250 | -.00030 | .62000 |
| 5.420 | 4.000 | .28860 | .06560 | .01540 | .29350 | .03800 | .04941 | -.09800 | -.00640 | -.00280 | .63200 |
| 5.430 | 5.980 | .29190 | .06250 | .01330 | .29650 | .03467 | .05019 | -.14300 | -.00830 | -.00660 | .63500 |
| 5.420 | 7.990 | .29480 | .05900 | .00290 | .29910 | .03095 | .05082 | -.19000 | -.01450 | -.00980 | .64800 |
| 5.420 | 9.980 | .29960 | .05580 | .00100 | .30350 | .02721 | .05199 | -.23300 | -.01940 | -.01370 | .65100 |
| | GRADIENT | .00029 | -.00004 | .00000 | .00029 | -.00007 | -.00001 | -.02311 | -.00153 | -.00154 | .00000 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG034) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 146/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.820 | -9.960 | .59530 | .09720 | -.01360 | .60300 | -.01622 | .05014 | .21200 | .01490 | .02320 | .66000 |
| 10.810 | -7.980 | .58900 | .09970 | -.00790 | .59730 | -.01258 | .04805 | .16800 | .01130 | .01950 | .65700 |
| 10.810 | -5.950 | .58080 | .10010 | -.00320 | .58930 | -.01059 | .04730 | .12400 | .00800 | .01510 | .65400 |
| 10.800 | -3.990 | .57320 | .10120 | -.00010 | .58200 | -.00802 | .04622 | .08000 | .00640 | .01150 | .65200 |
| 10.800 | -1.990 | .57030 | .10080 | .00380 | .57910 | -.00785 | .04603 | .03800 | .00200 | .00760 | .64900 |
| 10.800 | -1.000 | .56910 | .10080 | .00540 | .57790 | -.00767 | .04586 | .01500 | .00110 | .00560 | .64800 |
| 10.800 | .000 | .56850 | .10100 | .00450 | .57740 | -.00731 | .04583 | -.00700 | .00010 | .00340 | .64900 |
| 10.800 | 1.020 | .56870 | .09930 | .00430 | .57720 | -.00898 | .04598 | -.02900 | -.00160 | .00150 | .64900 |
| 10.800 | 1.980 | .56870 | .09830 | .00350 | .57710 | -.00993 | .04661 | -.05100 | -.00280 | -.00090 | .65000 |
| 10.800 | 3.990 | .57220 | .09880 | -.00050 | .58060 | -.01013 | .04591 | -.09300 | -.00670 | -.00560 | .65200 |
| 10.800 | 5.980 | .57680 | .09820 | -.00460 | .58500 | -.01168 | .04718 | -.13600 | -.01020 | -.01020 | .65500 |
| 10.810 | 7.990 | .58370 | .09670 | -.00950 | .59150 | -.01445 | .04936 | -.17700 | -.01320 | -.01430 | .65800 |
| 10.810 | 9.990 | .58760 | .09390 | -.01460 | .59480 | -.01769 | .05136 | -.22000 | -.01710 | -.01850 | .66100 |
| | GRADIENT | -.00018 | -.00038 | -.00008 | -.00025 | -.00033 | .00000 | -.02182 | -.00155 | -.00214 | .00007 |

RUN NO. 147/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.240 | -9.970 | .94020 | .20410 | -.05600 | .95980 | -.06706 | .04968 | .20200 | .01230 | .02070 | .67300 |
| 16.240 | -7.970 | .92990 | .20310 | -.04560 | .94960 | -.06506 | .04799 | .15600 | .01190 | .01770 | .66900 |
| 16.230 | -5.970 | .91900 | .20240 | -.03510 | .93890 | -.06260 | .04568 | .11400 | .00990 | .01520 | .66600 |
| 16.220 | -4.000 | .90400 | .19870 | -.02440 | .92350 | -.06178 | .04485 | .07600 | .00610 | .01230 | .66200 |
| 16.220 | -1.990 | .90500 | .19970 | -.02280 | .92470 | -.06112 | .04541 | .03400 | .00400 | .00710 | .66100 |
| 16.220 | -.990 | .90430 | .19890 | -.01960 | .92390 | -.06172 | .04634 | .01100 | .00530 | .00420 | .66000 |
| 16.220 | .010 | .89900 | .19440 | -.01690 | .91760 | -.06447 | .04691 | -.00900 | .00490 | .00090 | .65900 |
| 16.220 | .990 | .90470 | .19780 | -.02160 | .92390 | -.06286 | .04724 | -.03100 | .00110 | -.00160 | .66000 |
| 16.230 | 2.000 | .90720 | .19840 | -.02250 | .92650 | -.06299 | .04673 | -.05100 | .00090 | -.00430 | .66100 |
| 16.220 | 4.000 | .90370 | .19810 | -.02570 | .92310 | -.06226 | .04659 | -.09200 | -.00560 | -.00770 | .66200 |
| 16.220 | 5.980 | .91560 | .20210 | -.03870 | .93560 | -.06183 | .04735 | -.13200 | -.00930 | -.00970 | .66700 |
| 16.220 | 7.990 | .92110 | .20090 | -.04690 | .94060 | -.06448 | .04966 | -.17500 | -.01160 | -.01290 | .67000 |
| 16.220 | 9.980 | .92700 | .19910 | -.05630 | .94580 | -.06784 | .05252 | -.21300 | -.01470 | -.01800 | .67400 |
| | GRADIENT | .00008 | -.00015 | -.00016 | .00005 | -.00016 | .00025 | -.02107 | -.00136 | -.00259 | -.00000 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG034) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 148/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.670 | -9.950 | 1.22650 | .40700 | -.08860 | 1.29010 | -.07470 | .05492 | .24200 | -.01440 | .02090 | .67700 |
| 21.680 | -7.960 | 1.23590 | .40900 | -.08890 | 1.29960 | -.07649 | .05380 | .19700 | -.01410 | .01560 | .67700 |
| 21.680 | -5.970 | 1.22480 | .40650 | -.07310 | 1.28840 | -.07475 | .04978 | .14800 | -.01250 | .01490 | .67300 |
| 21.670 | -3.980 | 1.21550 | .40320 | -.06630 | 1.27840 | -.07421 | .05220 | .09500 | -.00960 | .01450 | .67100 |
| 21.680 | -1.990 | 1.22320 | .40520 | -.07140 | 1.28630 | -.07530 | .05538 | .04300 | -.00520 | .01000 | .67200 |
| 21.680 | -1.000 | 1.22820 | .40600 | -.07490 | 1.29130 | -.07655 | .05686 | .02300 | -.00470 | .00420 | .67300 |
| 21.690 | .010 | 1.23220 | .40430 | -.07620 | 1.29440 | -.07974 | .05796 | -.00100 | -.00370 | .00150 | .67300 |
| 21.680 | 1.000 | 1.23170 | .40260 | -.07730 | 1.29330 | -.08107 | .05811 | -.02600 | -.00280 | -.00060 | .67400 |
| 21.680 | 1.980 | 1.23050 | .40100 | -.07710 | 1.29160 | -.08203 | .05728 | -.04900 | -.00200 | -.00500 | .67400 |
| 21.690 | 4.000 | 1.24360 | .40190 | -.08080 | 1.30410 | -.08638 | .05080 | -.10500 | .00580 | -.00560 | .67500 |
| 21.680 | 5.980 | 1.23910 | .40030 | -.08390 | 1.29930 | -.08591 | .05178 | -.15000 | .00630 | -.00730 | .67600 |
| 21.650 | 7.990 | 1.21740 | .38920 | -.08390 | 1.27510 | -.08755 | .05809 | -.19500 | .00420 | -.01220 | .67600 |
| 21.640 | 9.970 | 1.20920 | .38570 | -.08710 | 1.26630 | -.08743 | .06067 | -.24000 | .00350 | -.01740 | .67700 |
| | GRADIENT | .00312 | -.00041 | -.00172 | .00276 | -.00159 | -.00002 | -.02477 | .00167 | -.00275 | .00050 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG035) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 25.000 BDFLAP = -11.700
H/BW = .125

RUN NO. 156/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.820 | -9.970 | .59400 | .10270 | -.00770 | .60270 | -.01063 | .05271 | .22100 | .02240 | .02420 | .65700 |
| 10.810 | -5.970 | .57750 | .10580 | .00350 | .58710 | -.00439 | .04983 | .12900 | .01230 | .01590 | .65000 |
| 10.800 | -1.990 | .56610 | .10680 | .01240 | .57610 | -.00125 | .04840 | .03900 | .00270 | .00820 | .64400 |
| 10.800 | -.990 | .56520 | .10650 | .01250 | .57520 | -.00134 | .04872 | .01500 | .00060 | .00660 | .64400 |
| 10.800 | .000 | .56650 | .10690 | .01270 | .57650 | -.00119 | .04887 | -.00600 | -.00080 | .00460 | .64400 |
| 10.810 | .990 | .56630 | .10530 | .01240 | .57600 | -.00280 | .04931 | -.02900 | -.00320 | .00250 | .64400 |
| 10.810 | 1.990 | .56620 | .10450 | .01080 | .57570 | -.00351 | .04943 | -.05200 | -.00530 | .00040 | .64500 |
| 10.810 | 5.970 | .57610 | .10340 | .00200 | .58530 | -.00652 | .05071 | -.14000 | -.01460 | -.00910 | .65100 |
| 10.820 | 9.970 | .58870 | .09830 | -.01040 | .59670 | -.01388 | .05572 | -.23000 | -.02360 | -.01800 | .65800 |
| | GRADIENT | .00013 | -.00058 | -.00033 | -.00000 | -.00060 | .00027 | -.02274 | -.00199 | -.00198 | .00020 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG036) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 55.000 BDFLAP = -11.700
H/BW = .125

RUN NO. 158/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.820 | -9.960 | .58190 | .11890 | .01690 | .59380 | .00754 | .05730 | .21900 | .02240 | .02380 | .64100 |
| 10.810 | -5.960 | .56550 | .12040 | .02570 | .57800 | .01217 | .05545 | .12700 | .01310 | .01530 | .63500 |
| 10.800 | -1.990 | .55300 | .11990 | .03680 | .56570 | .01415 | .05545 | .03700 | .00410 | .00770 | .62800 |
| 10.800 | -1.000 | .55430 | .11920 | .03660 | .56680 | .01326 | .05604 | .01300 | .00120 | .00640 | .62800 |
| 10.800 | .000 | .55430 | .12040 | .03540 | .56700 | .01440 | .05514 | -.00700 | -.00090 | .00460 | .62900 |
| 10.800 | 1.000 | .55210 | .11910 | .03640 | .56470 | .01355 | .05532 | -.02800 | -.00330 | .00280 | .62800 |
| 10.800 | 1.980 | .55410 | .11750 | .03470 | .56640 | .01163 | .05693 | -.05300 | -.00570 | .00080 | .62900 |
| 10.800 | 5.980 | .56520 | .11640 | .02260 | .57700 | .00838 | .05810 | -.14000 | -.01470 | -.00880 | .63700 |
| 10.810 | 9.970 | .57900 | .11140 | .01240 | .58960 | .00082 | .06292 | -.23200 | -.02240 | -.01840 | .64400 |
| | GRADIENT | -.00000 | -.00049 | -.00044 | -.00007 | -.00048 | .00022 | -.02223 | -.00242 | -.00175 | .00020 |

0A172 B26C9PR1M16N24N28W116E43F6V8R5 X9 G15 (RFG037) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700
H/BW = .125

RUN NO. 160/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.820 | -9.970 | .55560 | .13170 | .04030 | .57050 | .02502 | .06336 | .21400 | .02500 | .02180 | .62600 |
| 10.810 | -5.970 | .53810 | .13250 | .05000 | .55340 | .02927 | .06196 | .12200 | .01590 | .01310 | .61900 |
| 10.800 | -2.000 | .52680 | .13150 | .05770 | .54210 | .03044 | .06276 | .03500 | .00510 | .00660 | .61300 |
| 10.800 | -1.000 | .52730 | .13190 | .05820 | .54270 | .03075 | .06223 | .01100 | .00220 | .00540 | .61200 |
| 10.800 | .000 | .52610 | .13170 | .05780 | .54150 | .03078 | .06248 | -.00700 | -.00070 | .00430 | .61300 |
| 10.800 | .980 | .52680 | .13050 | .05850 | .54190 | .02942 | .06271 | -.02800 | -.00350 | .00280 | .61200 |
| 10.800 | 1.990 | .52690 | .12790 | .05560 | .54150 | .02688 | .06440 | -.05000 | -.00630 | .00110 | .61400 |
| 10.810 | 5.980 | .53900 | .12620 | .04420 | .55310 | .02277 | .06761 | -.14000 | -.01570 | -.00770 | .62200 |
| 10.820 | 9.970 | .55280 | .12290 | .03400 | .56600 | .01691 | .06942 | -.23300 | -.02270 | -.01750 | .63000 |
| | GRADIENT | -.00003 | -.00086 | -.00039 | -.00020 | -.00085 | .00038 | -.02098 | -.00286 | -.00137 | .00020 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG038) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = 10.000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 162/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.100 | -9.970 | .04970 | .04830 | .01760 | .05070 | .04739 | .05810 | .25700 | .02470 | .02260 | .52400 |
| 1.100 | -6.980 | .04540 | .05630 | .02390 | .04640 | .05547 | .05577 | .19200 | .01290 | .02150 | .46200 |
| 1.100 | -5.970 | .04040 | .05900 | .02700 | .04160 | .05821 | .05571 | .17000 | .00900 | .02060 | .41300 |
| 1.090 | -2.000 | .02890 | .06770 | .03710 | .03020 | .06723 | .05452 | .07300 | -.00690 | .01500 | .20000 |
| 1.090 | -1.000 | .02740 | .06920 | .03800 | .02870 | .06870 | .05443 | .05000 | -.01080 | .01380 | .16400 |
| 1.090 | .000 | .02670 | .06950 | .03860 | .02800 | .06902 | .05399 | .02600 | -.01490 | .01270 | .14600 |
| 1.090 | .990 | .02730 | .06970 | .03870 | .02860 | .06917 | .05425 | .00100 | -.01920 | .01130 | .15500 |
| 1.090 | 1.990 | .02940 | .06890 | .03710 | .03080 | .06838 | .05509 | -.02200 | -.02280 | .00970 | .20800 |
| 1.090 | 5.970 | .03910 | .06180 | .02890 | .04030 | .06108 | .05460 | -.11800 | -.03610 | .00410 | .38700 |
| 1.100 | 9.960 | .04760 | .05060 | .01730 | .04860 | .04977 | .05655 | -.21300 | -.05060 | -.00100 | .52100 |
| | GRADIENT | .00009 | .00029 | .00007 | .00011 | .00028 | .00010 | -.02397 | -.00403 | -.00131 | .00069 |

RUN NO. 163/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.820 | -9.970 | .60670 | .10020 | -.01520 | .61480 | -.01542 | .05209 | .23600 | .01420 | .02880 | .66100 |
| 10.810 | -5.960 | .59240 | .10270 | -.00620 | .60110 | -.01014 | .04825 | .14900 | .00210 | .02180 | .65600 |
| 10.800 | -2.000 | .57990 | .10400 | .00300 | .58920 | -.00649 | .04712 | .06600 | -.00980 | .01530 | .65000 |
| 10.790 | -1.010 | .57870 | .10340 | .00500 | .58780 | -.00679 | .04752 | .04100 | -.01230 | .01390 | .64900 |
| 10.790 | .000 | .57890 | .10360 | .00440 | .58810 | -.00666 | .04770 | .02000 | -.01460 | .01210 | .64900 |
| 10.790 | .980 | .57950 | .10350 | .00420 | .58860 | -.00686 | .04753 | .00000 | -.01710 | .01010 | .64900 |
| 10.790 | 1.970 | .57780 | .10210 | .00410 | .58670 | -.00789 | .04798 | -.02300 | -.01930 | .00800 | .64900 |
| 10.790 | 5.970 | .58590 | .10160 | -.00400 | .59460 | -.00993 | .04823 | -.11100 | -.02930 | -.00140 | .65400 |
| | GRADIENT | -.00034 | -.00037 | .00014 | -.00042 | -.00029 | .00017 | -.02205 | -.00240 | -.00185 | -.00020 |

RUN NO. 164/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.660 | -9.970 | 1.23240 | .40880 | -.09360 | 1.29620 | -.07508 | .05519 | .26300 | -.01790 | .02370 | .67800 |
| 21.670 | -5.960 | 1.22970 | .40730 | -.07770 | 1.29320 | -.07565 | .04997 | .17400 | -.02030 | .01970 | .67400 |
| 21.670 | -2.000 | 1.22380 | .40490 | -.07190 | 1.28680 | -.07561 | .05673 | .06700 | -.01650 | .01710 | .67200 |
| 21.670 | -1.010 | 1.22540 | .40480 | -.07240 | 1.28830 | -.07638 | .05777 | .04700 | -.01640 | .01080 | .67300 |
| 21.670 | .000 | 1.22930 | .40440 | -.07590 | 1.29180 | -.07827 | .05899 | .02200 | -.01590 | .00770 | .67300 |
| 21.660 | .990 | 1.22530 | .40010 | -.07680 | 1.28650 | -.08062 | .05981 | -.00300 | -.01600 | .00610 | .67400 |
| 21.670 | 1.980 | 1.22920 | .39950 | -.07570 | 1.28980 | -.08273 | .05992 | -.02500 | -.01540 | .00210 | .67300 |
| 21.670 | 5.970 | 1.24170 | .40120 | -.09090 | 1.30210 | -.08577 | .05500 | -.12900 | -.01560 | .00370 | .67800 |
| 21.630 | 9.960 | 1.21510 | .38770 | -.09240 | 1.27250 | -.08767 | .06259 | -.22300 | -.01490 | -.00720 | .67900 |
| | GRADIENT | .00108 | -.00156 | -.00121 | .00042 | -.00186 | .00085 | -.02349 | .00026 | -.00348 | .00030 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG039) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = -10.000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 166/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.090 | -9.970 | .04590 | .04830 | .01570 | .04690 | .04749 | .05605 | .20300 | .04930 | .00810 | .52800 |
| 1.090 | -5.960 | .03570 | .06080 | .02850 | .03690 | .06019 | .05480 | .10900 | .03630 | .00360 | .36700 |
| 1.080 | -1.990 | .02460 | .06930 | .03740 | .02590 | .06890 | .05451 | .01100 | .02050 | -.00210 | .12000 |
| 1.080 | -1.020 | .02270 | .06960 | .03910 | .02400 | .06915 | .05410 | -.01200 | .01720 | -.00350 | .05300 |
| 1.080 | -.010 | .02210 | .06970 | .03910 | .02340 | .06933 | .05418 | -.03700 | .01340 | -.00480 | .03700 |
| 1.080 | .980 | .02330 | .06940 | .03780 | .02460 | .06897 | .05442 | -.06000 | .00870 | -.00620 | .08600 |
| 1.080 | 1.970 | .02570 | .06870 | .03570 | .02700 | .06827 | .05471 | -.08400 | .00660 | -.00740 | .16600 |
| 1.090 | 5.970 | .03760 | .06050 | .02420 | .03870 | .05983 | .05503 | -.17700 | -.00990 | -.01250 | .42100 |
| 1.090 | 10.000 | .04770 | .04940 | .01330 | .04860 | .04857 | .05815 | -.26600 | -.02690 | -.01530 | .55100 |
| | GRADIENT | .00028 | -.00014 | -.00048 | .00028 | -.00015 | .00007 | -.02399 | -.00366 | -.00134 | .01266 |

RUN NO. 167/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.810 | -9.970 | .59590 | .09890 | -.01130 | .60390 | -.01469 | .04993 | .18800 | .03760 | .01530 | .65900 |
| 10.800 | -5.980 | .57930 | .10140 | -.00150 | .58800 | -.00895 | .04798 | .09900 | .02620 | .00750 | .65300 |
| 10.800 | -2.020 | .56980 | .10280 | .00580 | .57890 | -.00575 | .04679 | .01100 | .01600 | .00030 | .64800 |
| 10.800 | -1.000 | .57110 | .10290 | .00570 | .58030 | -.00590 | .04682 | -.01100 | .01680 | -.00200 | .64800 |
| 10.790 | .000 | .56980 | .10270 | .00420 | .57900 | -.00588 | .04694 | -.03300 | .01100 | -.00320 | .64900 |
| 10.790 | .980 | .57110 | .10130 | .00230 | .58000 | -.00742 | .04726 | -.05500 | .00890 | -.00490 | .65000 |
| 10.790 | 1.980 | .57120 | .10010 | .00230 | .57980 | -.00868 | .04822 | -.07600 | .00550 | -.00700 | .65000 |
| 10.790 | 5.970 | .58120 | .09920 | -.00670 | .58950 | -.01142 | .04860 | -.16000 | -.00620 | -.01480 | .65600 |
| 10.810 | 9.960 | .59250 | .09500 | -.01520 | .59980 | -.01775 | .05407 | -.24400 | -.01790 | -.02210 | .66100 |
| | GRADIENT | .00028 | -.00070 | -.00104 | .00015 | -.00074 | .00033 | -.02184 | -.00289 | -.00175 | .00060 |

RUN NO. 168/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.650 | -9.970 | 1.22480 | .40360 | -.09110 | 1.28730 | -.07682 | .05666 | .21900 | .00400 | .01200 | .67800 |
| 21.650 | -5.960 | 1.21630 | .40050 | -.07140 | 1.27820 | -.07670 | .05241 | .11800 | .00670 | .00710 | .67200 |
| 21.660 | -2.000 | 1.21800 | .40140 | -.07140 | 1.28020 | -.07652 | .05818 | .01600 | .00960 | .00200 | .67200 |
| 21.660 | -1.010 | 1.22010 | .40080 | -.07380 | 1.28190 | -.07783 | .05910 | -.00400 | .00980 | -.00360 | .67300 |
| 21.670 | .000 | 1.22690 | .39970 | -.07460 | 1.28780 | -.08159 | .05942 | -.02900 | .00970 | -.00520 | .67300 |
| 21.660 | .990 | 1.22510 | .39710 | -.07450 | 1.28510 | -.08324 | .05854 | -.05500 | .01040 | -.00780 | .67300 |
| 21.650 | 1.970 | 1.21020 | .38320 | -.06560 | 1.26620 | -.09029 | .05684 | -.06900 | .00530 | -.00900 | .67100 |
| 21.660 | 5.950 | 1.23460 | .38780 | -.08570 | 1.29050 | -.09540 | .05089 | -.16600 | .00400 | -.00890 | .67600 |
| 21.620 | 9.980 | 1.20730 | .37280 | -.08590 | 1.25980 | -.09834 | .05862 | -.25700 | .00120 | -.01960 | .67700 |
| | GRADIENT | -.00105 | -.00402 | .00109 | -.00247 | -.00331 | -.00032 | -.02224 | -.00080 | -.00264 | -.00020 |

OA172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG040) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 170/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.130 | -9.980 | .11240 | .06000 | -.03000 | .11360 | .05785 | .22600 | .04130 | .01740 | .74900 |
| 1.140 | -8.000 | .11340 | .06500 | -.02710 | .11470 | .06279 | .18200 | .03340 | .01560 | .73900 |
| 1.140 | -5.990 | .10870 | .07000 | -.02300 | .11000 | .06783 | .13600 | .02540 | .01320 | .72900 |
| 1.130 | -4.000 | .10050 | .07480 | -.01710 | .10200 | .07280 | .08600 | .01730 | .01010 | .71400 |
| 1.130 | -2.010 | .09550 | .07810 | -.01210 | .09710 | .07620 | .03700 | .00930 | .00660 | .69800 |
| 1.130 | -1.010 | .09380 | .07890 | -.01130 | .09540 | .07712 | .01400 | .00430 | .00520 | .69600 |
| 1.130 | .000 | .09350 | .07940 | -.01160 | .09500 | .07758 | -.00800 | .00000 | .00360 | .69700 |
| 1.130 | .980 | .09440 | .07950 | -.01220 | .09600 | .07768 | -.03100 | -.00460 | .00200 | .69900 |
| 1.130 | 1.980 | .09650 | .07870 | -.01370 | .09800 | .07686 | -.05400 | -.00920 | .00040 | .70300 |
| 1.130 | 3.970 | .10180 | .07550 | -.01750 | .10330 | .07348 | -.10200 | -.01710 | -.00280 | .71400 |
| 1.140 | 5.970 | .11050 | .07150 | -.02540 | .11190 | .06933 | -.14900 | -.02370 | -.00600 | .73500 |
| 1.140 | 7.980 | .11400 | .06670 | -.02980 | .11530 | .06442 | -.19600 | -.03190 | -.00840 | .74700 |
| 1.130 | 9.960 | .11330 | .06280 | -.03190 | .11450 | .06056 | -.24000 | -.04140 | -.01070 | .75400 |
| | GRADIENT | .00019 | .00011 | -.00014 | .00018 | .00011 | -.02339 | -.00438 | -.00161 | .00031 |

RUN NO. 171/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 5.470 | -9.980 | .35940 | .07050 | -.03820 | .36450 | .03594 | .21500 | .03880 | .02030 | .69000 |
| 5.470 | -7.990 | .35150 | .07230 | -.03220 | .35680 | .03853 | .16700 | .03090 | .01700 | .68500 |
| 5.460 | -5.010 | .34530 | .07780 | -.02750 | .35120 | .04456 | .10200 | .02030 | .01180 | .68100 |
| 5.460 | -4.010 | .34370 | .07890 | -.02570 | .34970 | .04586 | .07800 | .01630 | .00980 | .67900 |
| 5.460 | -2.000 | .33950 | .08120 | -.02230 | .34570 | .04857 | .03400 | .00830 | .00650 | .67600 |
| 5.460 | -1.010 | .34030 | .08220 | -.02170 | .34660 | .04949 | .01300 | .00390 | .00490 | .67500 |
| 5.460 | .000 | .34020 | .08250 | -.02170 | .34650 | .04981 | -.00800 | -.00020 | .00320 | .67500 |
| 5.460 | .980 | .34030 | .08230 | -.02260 | .34660 | .04957 | -.02800 | -.00450 | .00150 | .67600 |
| 5.450 | 1.980 | .34140 | .08160 | -.02490 | .34760 | .04882 | -.05000 | -.00870 | .00000 | .67800 |
| 5.450 | 3.980 | .34560 | .07940 | -.02860 | .35160 | .04618 | -.09400 | -.01650 | -.00310 | .68200 |
| 5.460 | 5.970 | .34830 | .07640 | -.03330 | .35400 | .04293 | -.13800 | -.02360 | -.00680 | .68600 |
| 5.450 | 7.970 | .34910 | .07370 | -.03450 | .35460 | .04025 | -.18300 | -.03160 | -.01050 | .68800 |
| 5.450 | 9.960 | .35400 | .07250 | -.04010 | .35930 | .03858 | -.22600 | -.03930 | -.01460 | .69300 |
| | GRADIENT | .00027 | .00007 | -.00042 | .00027 | .00004 | -.02140 | -.00414 | -.00162 | .00040 |

0A172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG040) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 172/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.850 | -9.980 | .66130 | .11570 | -.05620 | .67130 | -.01085 | .19900 | .03590 | .02320 | .68300 |
| 10.840 | -8.000 | .65250 | .11750 | -.04940 | .66300 | -.00737 | .15400 | .02990 | .02000 | .67900 |
| 10.830 | -5.960 | .64050 | .11690 | -.04180 | .65110 | -.00553 | .10800 | .02340 | .01550 | .67500 |
| 10.830 | -4.000 | .63800 | .11840 | -.03890 | .64890 | -.00356 | .07100 | .01530 | .01200 | .67400 |
| 10.830 | -2.010 | .63340 | .11770 | -.03850 | .64430 | -.00339 | .03200 | .00680 | .00810 | .67400 |
| 10.820 | -1.010 | .63330 | .11740 | -.03740 | .64410 | -.00359 | .00800 | .00360 | .00610 | .67300 |
| 10.830 | .000 | .63320 | .11810 | -.03770 | .64410 | -.00289 | -.01000 | .00000 | .00400 | .67300 |
| 10.820 | .990 | .63200 | .11680 | -.03710 | .64270 | -.00397 | -.03000 | -.00300 | .00180 | .67300 |
| 10.820 | 1.970 | .63240 | .11640 | -.04000 | .64300 | -.00441 | -.05100 | -.00700 | -.00050 | .67500 |
| 10.820 | 3.980 | .63620 | .11590 | -.04280 | .64660 | -.00563 | -.09000 | -.01550 | -.00520 | .67600 |
| 10.830 | 5.970 | .64120 | .11600 | -.04740 | .65160 | -.00651 | -.12900 | -.02370 | -.00970 | .67900 |
| 10.840 | 7.980 | .64770 | .11500 | -.05320 | .65770 | -.00887 | -.17200 | -.02970 | -.01430 | .68200 |
| 10.840 | 9.970 | .65460 | .11350 | -.05870 | .66420 | -.01167 | -.21300 | -.03670 | -.01810 | .68400 |
| | GRADIENT | -.00025 | -.00031 | -.00044 | -.00031 | -.00026 | -.02025 | -.00376 | -.00216 | .00024 |

RUN NO. 173/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 16.270 | -9.970 | .99740 | .22300 | -.09970 | 1.02000 | -.06535 | .17600 | .03710 | .01880 | .68800 |
| 16.260 | -7.990 | .98490 | .22120 | -.09020 | 1.00750 | -.06350 | .13200 | .03220 | .01650 | .68500 |
| 16.250 | -6.970 | .97680 | .21990 | -.08220 | .99940 | -.06235 | .11500 | .02890 | .01560 | .68200 |
| 16.250 | -5.990 | .96940 | .21890 | -.07500 | .99190 | -.06119 | .09600 | .02590 | .01440 | .68000 |
| 16.240 | -4.000 | .96140 | .21630 | -.06860 | .98350 | -.06136 | .06100 | .01640 | .01220 | .67700 |
| 16.250 | -2.010 | .96210 | .21730 | -.06760 | .98450 | -.06066 | .02300 | .01030 | .00720 | .67700 |
| 16.250 | -1.010 | .96220 | .21690 | -.06780 | .98450 | -.06112 | .00400 | .00500 | .00550 | .67700 |
| 16.240 | -.010 | .95700 | .21340 | -.06660 | .97850 | -.06293 | -.01300 | .00230 | .00230 | .67700 |
| 16.250 | .980 | .96150 | .21720 | -.06860 | .98390 | -.06063 | -.03100 | -.00240 | -.00050 | .67700 |
| 16.250 | 1.980 | .96340 | .21700 | -.06980 | .98560 | -.06136 | -.05000 | -.00680 | -.00260 | .67800 |
| 16.250 | 3.970 | .96100 | .21690 | -.07120 | .98330 | -.06072 | -.08700 | -.01360 | -.00710 | .67800 |
| 16.250 | 5.960 | .97060 | .22000 | -.08230 | .99340 | -.06050 | -.12200 | -.02390 | -.00870 | .68200 |
| 16.250 | 7.970 | .97760 | .22050 | -.09300 | 1.00020 | -.06193 | -.15900 | -.03070 | -.01190 | .68600 |
| 16.250 | 9.970 | .98500 | .22140 | -.10240 | 1.00760 | -.06313 | -.19800 | -.03710 | -.01620 | .68900 |
| | GRADIENT | .00001 | .00005 | -.00037 | .00002 | .00004 | -.01847 | -.00386 | -.00246 | .00014 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG040) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 174/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 21.680 | -9.980 | 1.29430 | .43370 | -.14030 | 1.36300 | -.07529 | .19500 | .01200 | .02050 | .69000 |
| 21.690 | -7.980 | 1.29330 | .43270 | -.13530 | 1.36170 | -.07596 | .15400 | .00910 | .01540 | .68800 |
| 21.690 | -5.970 | 1.28340 | .43160 | -.12100 | 1.35210 | -.07325 | .12100 | .00200 | .01520 | .68500 |
| 21.680 | -3.990 | 1.27690 | .43030 | -.11810 | 1.34550 | -.07196 | .07900 | -.00010 | .01460 | .68400 |
| 21.690 | -2.010 | 1.28790 | .43300 | -.12270 | 1.35680 | -.07381 | .03200 | -.00080 | .00980 | .68500 |
| 21.700 | -1.010 | 1.29360 | .43590 | -.12930 | 1.36310 | -.07324 | .01500 | -.00210 | .00370 | .68700 |
| 21.700 | .000 | 1.29810 | .43410 | -.13050 | 1.36660 | -.07673 | -.00700 | -.00250 | .00090 | .68700 |
| 21.690 | .980 | 1.29480 | .43270 | -.13100 | 1.36300 | -.07659 | -.02900 | -.00320 | -.00160 | .68700 |
| 21.690 | 1.980 | 1.29190 | .42880 | -.12680 | 1.35890 | -.07922 | -.05100 | -.00390 | -.00570 | .68600 |
| 21.700 | 3.980 | 1.30680 | .42880 | -.13520 | 1.37280 | -.08478 | -.09600 | -.00800 | -.00320 | .68800 |
| 21.680 | 5.970 | 1.29580 | .42590 | -.13790 | 1.36150 | -.08301 | -.13100 | -.01400 | -.00570 | .68900 |
| 21.660 | 7.970 | 1.28450 | .42040 | -.14320 | 1.34900 | -.08343 | -.16300 | -.02110 | -.00940 | .69100 |
| 21.640 | 9.970 | 1.27440 | .41720 | -.14560 | 1.33850 | -.08236 | -.21000 | -.02130 | -.01500 | .69200 |
| | GRADIENT | .00308 | -.00042 | -.00187 | .00271 | -.00156 | -.02174 | -.00093 | -.00257 | .00043 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG041) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 25.000 BDFLAP = -11.700
H/BW = .125

RUN NO. 182/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.850 | -9.940 | .66180 | .12180 | -.04970 | .67290 | -.00499 | .21000 | -.01350 | .03330 | .67900 |
| 10.840 | -5.990 | .63900 | .12330 | -.03500 | .65080 | .00096 | .11600 | -.00470 | .02110 | .67200 |
| 10.830 | -2.000 | .63010 | .12370 | -.02870 | .64210 | .00308 | .03400 | -.00150 | .00980 | .66800 |
| 10.830 | -1.010 | .62870 | .12380 | -.02850 | .64080 | .00345 | .01100 | .00040 | .00690 | .66800 |
| 10.830 | .000 | .62910 | .12450 | -.02800 | .64130 | .00402 | -.00800 | .00130 | .00430 | .66800 |
| 10.830 | 1.000 | .62820 | .12290 | -.02900 | .64020 | .00268 | -.02900 | .00250 | .00140 | .66800 |
| 10.830 | 1.980 | .62930 | .12220 | -.03060 | .64110 | .00178 | -.05100 | .00390 | -.00180 | .66900 |
| 10.830 | 5.980 | .63460 | .12110 | -.03900 | .64610 | -.00029 | -.13100 | .00700 | -.01490 | .67400 |
| 10.840 | 9.980 | .64950 | .11820 | -.05080 | .66010 | -.00608 | -.22400 | .01590 | -.02810 | .68000 |
| | GRADIENT | -.00021 | -.00039 | -.00043 | -.00026 | -.00034 | -.02106 | .00129 | -.00288 | .00020 |

OA172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG042) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 55.000 BDFLAP = -11.700
H/BW = .125

RUN NO. 184/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.850 | -9.960 | .64570 | .13740 | -.03360 | .66010 | .01336 | .20400 | -.01080 | .03130 | .67100 |
| 10.840 | -5.960 | .62640 | .13860 | -.02190 | .64130 | .01833 | .11200 | -.00320 | .01960 | .66400 |
| 10.830 | -1.990 | .61510 | .13810 | -.01620 | .63010 | .02011 | .03200 | .00000 | .00900 | .66100 |
| 10.830 | -1.000 | .61350 | .13820 | -.01400 | .62860 | .02050 | .01000 | .00110 | .00650 | .66000 |
| 10.820 | .010 | .61300 | .13850 | -.01510 | .62820 | .02095 | -.00900 | .00190 | .00410 | .66100 |
| 10.820 | 1.000 | .61250 | .13730 | -.01510 | .62740 | .01988 | -.02700 | .00230 | .00160 | .66100 |
| 10.820 | 1.990 | .61440 | .13720 | -.01620 | .62920 | .01930 | -.04800 | .00290 | -.00120 | .66100 |
| 10.820 | 5.980 | .61970 | .13610 | -.02240 | .63420 | .01730 | -.12600 | .00510 | -.01340 | .66500 |
| 10.840 | 9.980 | .63770 | .13250 | -.03790 | .65130 | .01018 | -.22200 | .01520 | -.02740 | .67300 |
| | GRADIENT | -.00024 | -.00027 | -.00011 | -.00030 | -.00022 | -.01978 | .00070 | -.00254 | .00010 |

OA172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG043) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700
H/BW = .125

RUN NO. 186/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.840 | -9.960 | .62920 | .15440 | -.02020 | .64710 | .03334 | .20200 | -.01020 | .02920 | .66300 |
| 10.820 | -5.950 | .60590 | .15710 | -.00630 | .62460 | .04059 | .10700 | -.00120 | .01770 | .65600 |
| 10.810 | -2.000 | .59340 | .15730 | .00150 | .61230 | .04319 | .03000 | .00020 | .00840 | .65100 |
| 10.810 | -1.010 | .59200 | .15720 | .00130 | .61090 | .04337 | .00900 | .00140 | .00620 | .65100 |
| 10.810 | .000 | .59370 | .15720 | .00040 | .61270 | .04311 | -.00900 | .00120 | .00430 | .65200 |
| 10.810 | 1.000 | .59100 | .15580 | .00250 | .60980 | .04218 | -.02700 | .00190 | .00220 | .65000 |
| 10.810 | 1.990 | .59080 | .15490 | .00090 | .60940 | .04137 | -.04700 | .00250 | -.00040 | .65100 |
| 10.810 | 5.980 | .60100 | .15430 | -.00850 | .61930 | .03875 | -.12700 | .00510 | -.01200 | .65700 |
| 10.820 | 9.970 | .62040 | .14810 | -.02450 | .63720 | .02899 | -.22000 | .01450 | -.02590 | .66600 |
| | GRADIENT | -.00062 | -.00062 | .00000 | -.00069 | -.00048 | -.01902 | .00051 | -.00216 | -.00010 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG046) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000
H/BW = .125

RUN NO. 196/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.160 | -9.970 | .12560 | .06410 | -.03530 | .12680 | .06162 | .23200 | -.01650 | .01890 | .75400 |
| 1.160 | -5.970 | .11960 | .07380 | -.02630 | .12110 | .07141 | .13700 | -.00900 | .01490 | .73200 |
| 1.150 | -1.990 | .10620 | .08100 | -.01530 | .10780 | .07890 | .03800 | -.00130 | .00770 | .70400 |
| 1.150 | -.990 | .10450 | .08150 | -.01420 | .10620 | .07943 | .01400 | .00000 | .00630 | .70100 |
| 1.150 | .000 | .10360 | .08200 | -.01440 | .10530 | .07994 | -.00700 | .00110 | .00470 | .70200 |
| 1.150 | .990 | .10470 | .08170 | -.01470 | .10630 | .07962 | -.03200 | .00280 | .00330 | .70300 |
| 1.150 | 1.980 | .10520 | .08130 | -.01530 | .10680 | .07917 | -.05600 | .00420 | .00190 | .70500 |
| 1.160 | 5.980 | .11810 | .07440 | -.02610 | .11960 | .07207 | -.15000 | .01170 | -.00470 | .73200 |
| 1.160 | 9.990 | .12630 | .06650 | -.03610 | .12760 | .06396 | -.24400 | .01770 | -.01020 | .75600 |
| | GRADIENT | -.00018 | .00008 | -.00005 | -.00019 | .00007 | -.02359 | .00139 | -.00147 | .00040 |

RUN NO. 197/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.890 | -9.960 | .67680 | .12210 | -.06340 | .68770 | -.00796 | .20500 | -.01070 | .02990 | .68600 |
| 10.870 | -5.950 | .65550 | .12220 | -.04950 | .66680 | -.00362 | .11600 | -.00470 | .01920 | .67900 |
| 10.860 | -1.990 | .64450 | .12170 | -.04360 | .65590 | -.00192 | .03500 | -.00160 | .00900 | .67600 |
| 10.860 | -.970 | .64400 | .12170 | -.04330 | .65540 | -.00187 | .01100 | .00020 | .00630 | .67600 |
| 10.860 | .000 | .64350 | .12200 | -.04220 | .65500 | -.00138 | -.00800 | .00140 | .00360 | .67600 |
| 10.860 | .990 | .64290 | .12070 | -.04250 | .65410 | -.00256 | -.02800 | .00250 | .00110 | .67600 |
| 10.860 | 1.990 | .64280 | .12050 | -.04450 | .65400 | -.00277 | -.05000 | .00350 | -.00180 | .67700 |
| 10.860 | 5.980 | .64670 | .12020 | -.05070 | .65780 | -.00381 | -.12800 | .00540 | -.01400 | .68000 |
| 10.860 | 7.990 | .65520 | .11930 | -.05510 | .66600 | -.00631 | -.17300 | .00920 | -.01970 | .68200 |
| 10.870 | 9.970 | .66270 | .11900 | -.06160 | .67330 | -.00814 | -.21600 | .01210 | -.02530 | .68500 |
| | GRADIENT | -.00045 | -.00034 | -.00010 | -.00051 | -.00024 | -.02107 | .00126 | -.00270 | .00020 |

RUN NO. 198/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 21.720 | -9.960 | 1.29040 | .43860 | -.13510 | 1.36110 | -.07011 | .20100 | -.01960 | .03280 | .68800 |
| 21.740 | -5.970 | 1.29740 | .44090 | -.12320 | 1.36840 | -.07098 | .12600 | -.01540 | .02030 | .68500 |
| 21.740 | -1.990 | 1.29770 | .44170 | -.12430 | 1.36900 | -.07038 | .03900 | -.00650 | .01090 | .68500 |
| 21.740 | -.970 | 1.30280 | .44250 | -.13130 | 1.37410 | -.07155 | .02000 | -.00520 | .00490 | .68700 |
| 21.740 | .000 | 1.30690 | .44190 | -.13170 | 1.37760 | -.07378 | -.00100 | -.00270 | .00070 | .68700 |
| 21.740 | .990 | 1.30390 | .43960 | -.13310 | 1.37400 | -.07461 | -.02200 | -.00110 | -.00310 | .68700 |
| 21.740 | 1.980 | 1.30140 | .43650 | -.12880 | 1.37060 | -.07653 | -.04400 | .00100 | -.00820 | .68600 |
| 21.730 | 5.970 | 1.29930 | .43210 | -.13270 | 1.36690 | -.07967 | -.12500 | .00620 | -.01530 | .68800 |
| 21.690 | 9.970 | 1.28020 | .42630 | -.13890 | 1.34720 | -.07720 | -.20400 | .01120 | -.02860 | .69000 |
| | GRADIENT | .00086 | -.00134 | -.00110 | .00032 | -.00155 | -.02101 | .00193 | -.00467 | .00020 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG047) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300
H/BW = .125

RUN NO. 200/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.220 | -9.970 | .19350 | .07460 | -.05780 | .19500 | .07050 | .23700 | -.01950 | .02060 | .76100 |
| 1.210 | -5.970 | .17480 | .08370 | -.04200 | .17660 | .08005 | .14100 | -.01070 | .01530 | .73900 |
| 1.200 | -2.000 | .16030 | .09220 | -.02870 | .16220 | .08886 | .04100 | -.00220 | .00790 | .71700 |
| 1.200 | -.990 | .16120 | .09300 | -.02970 | .16310 | .08965 | .01600 | -.00080 | .00620 | .71900 |
| 1.200 | .000 | .16260 | .09300 | -.03010 | .16450 | .08962 | -.00600 | .00060 | .00460 | .71900 |
| 1.200 | .980 | .16130 | .09310 | -.02900 | .16320 | .08972 | -.03000 | .00200 | .00310 | .71700 |
| 1.200 | 1.980 | .16210 | .09240 | -.03060 | .16400 | .08901 | -.05400 | .00400 | .00160 | .72100 |
| 1.210 | 5.970 | .17580 | .08500 | -.04270 | .17760 | .08127 | -.15300 | .01340 | -.00510 | .74000 |
| 1.220 | 9.990 | .18960 | .07660 | -.05670 | .19120 | .07258 | -.25100 | .02140 | -.01180 | .76100 |
| | GRADIENT | .00037 | .00005 | -.00031 | .00037 | .00004 | -.02377 | .00153 | -.00158 | .00061 |

RUN NO. 201/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.940 | -9.970 | .73540 | .14620 | -.08560 | .74980 | .00399 | .21400 | -.01530 | .03020 | .69400 |
| 10.920 | -5.990 | .71330 | .14720 | -.06870 | .72820 | .00940 | .12300 | -.00790 | .02010 | .68700 |
| 10.900 | -2.010 | .69950 | .14480 | -.06220 | .71420 | .00984 | .03800 | -.00270 | .00930 | .68400 |
| 10.900 | -1.000 | .69970 | .14430 | -.06150 | .71440 | .00935 | .01400 | -.00060 | .00630 | .68400 |
| 10.900 | .000 | .69710 | .14440 | -.06160 | .71180 | .00998 | -.00800 | .00140 | .00360 | .68400 |
| 10.900 | .980 | .69870 | .14370 | -.06190 | .71320 | .00905 | -.03000 | .00350 | .00080 | .68400 |
| 10.900 | 1.980 | .69740 | .14370 | -.06190 | .71210 | .00929 | -.05400 | .00530 | -.00240 | .68400 |
| 10.900 | 5.970 | .70430 | .14420 | -.06960 | .71890 | .00843 | -.13800 | .00930 | -.01480 | .68700 |
| 10.910 | 9.970 | .71980 | .14300 | -.08370 | .73380 | .00421 | -.22500 | .01540 | -.02660 | .69400 |
| | GRADIENT | -.00052 | -.00028 | .00002 | -.00054 | -.00014 | -.02289 | .00202 | -.00290 | -.00000 |

RUN NO. 202/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 21.750 | -9.980 | 1.34480 | .47560 | -.16980 | 1.42530 | -.05676 | .21200 | -.02450 | .03490 | .69600 |
| 21.780 | -5.970 | 1.35930 | .47670 | -.16480 | 1.43920 | -.06170 | .13500 | -.01870 | .02090 | .69400 |
| 21.780 | -2.010 | 1.35840 | .47800 | -.16480 | 1.43880 | -.06018 | .04100 | -.00790 | .01160 | .69400 |
| 21.780 | -.990 | 1.36760 | .48000 | -.16860 | 1.44810 | -.06186 | .02000 | -.00570 | .00490 | .69500 |
| 21.790 | .000 | 1.37020 | .47830 | -.17230 | 1.44980 | -.06450 | -.00100 | -.00280 | .00140 | .69600 |
| 21.780 | .970 | 1.36380 | .47560 | -.16800 | 1.44290 | -.06449 | -.02500 | .00000 | -.00310 | .69500 |
| 21.780 | 1.970 | 1.36510 | .47280 | -.16620 | 1.44310 | -.06761 | -.04800 | .00310 | -.00770 | .69400 |
| 21.760 | 5.970 | 1.35610 | .46760 | -.17350 | 1.43290 | -.06860 | -.13400 | .01060 | -.01780 | .69600 |
| 21.730 | 9.970 | 1.33660 | .46390 | -.17550 | 1.41340 | -.06391 | -.21900 | .01830 | -.03020 | .69800 |
| | GRADIENT | .00099 | -.00149 | -.00023 | .00036 | -.00176 | -.02247 | .00279 | -.00470 | .00000 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG048) ( 12 MAR 78 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 204/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| -4.290 | -9.960 | -.21100 | .07800 | -.03120 | -.21630 | .06205 | .26500 | -.02530 | .00780 | .59900 |
| -4.280 | -5.980 | -.21160 | .09570 | -.03490 | -.21820 | .07963 | .16000 | -.01820 | .00910 | .59300 |
| -4.290 | -1.010 | -.21680 | .12240 | -.03180 | -.22530 | .10590 | .01000 | -.00870 | .00760 | .60000 |
| -4.280 | .000 | -.21690 | .09650 | -.02410 | -.22350 | .08009 | -.00700 | .00110 | .00510 | .61200 |
| -4.280 | .980 | -.21850 | .09550 | -.02320 | -.22500 | .07893 | -.03300 | .00370 | .00410 | .61400 |
| -4.280 | 1.980 | -.21350 | .09620 | -.02730 | -.22010 | .08000 | -.06300 | .00600 | .00400 | .60600 |
| -4.270 | 5.980 | -.20140 | .10910 | -.04480 | -.20900 | .09380 | -.18200 | .01130 | .00380 | .57300 |
| -4.270 | 9.960 | -.20090 | .07720 | -.03570 | -.20610 | .06203 | -.27300 | .02510 | .00150 | .58800 |
| | GRADIENT | .00084 | -.00802 | .00145 | .00142 | -.00795 | -.02461 | .00470 | -.00119 | .00202 |

RUN NO. 205/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .060 | -9.980 | .05670 | .06120 | -.04070 | .05680 | .06121 | .23900 | -.02250 | .01510 | .91600 |
| .060 | -6.000 | .05130 | .07660 | -.03590 | .05140 | .07662 | .14400 | -.01480 | .01280 | .90900 |
| .040 | -2.010 | .04080 | .10240 | -.03830 | .04090 | .10237 | .03600 | -.01070 | .00860 | .99600 |
| .040 | -1.000 | .03980 | .09670 | -.03280 | .03990 | .09671 | .01000 | -.00580 | .00730 | .95500 |
| .040 | .000 | .03940 | .09400 | -.03120 | .03950 | .09397 | -.01200 | -.00300 | .00530 | .94300 |
| .050 | .980 | .04030 | .08040 | -.02430 | .04040 | .08040 | -.03300 | .00350 | .00310 | .87300 |
| .050 | 1.970 | .04210 | .07970 | -.02660 | .04220 | .07974 | -.05700 | .00530 | .00160 | .88300 |
| .050 | 5.970 | .05360 | .09150 | -.04440 | .05370 | .09153 | -.16500 | .01120 | -.00030 | .95600 |
| .050 | 9.960 | .05820 | .06250 | -.04310 | .05820 | .06250 | -.24700 | .02230 | -.00540 | .92500 |
| | GRADIENT | .00031 | -.00620 | .00321 | .00031 | -.00619 | -.02304 | .00415 | -.00183 | -.03098 |

RUN NO. 206/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 5.450 | -9.990 | .34330 | .07310 | -.04610 | .34870 | .04019 | .22100 | -.01710 | .02310 | .70100 |
| 5.450 | -5.970 | .33270 | .08100 | -.03700 | .33890 | .04911 | .12900 | -.00950 | .01580 | .69200 |
| 5.440 | -2.010 | .32320 | .09090 | -.03360 | .33030 | .05986 | .03500 | -.00410 | .00870 | .68900 |
| 5.440 | -1.010 | .32200 | .08650 | -.02870 | .32880 | .05558 | .01200 | -.00030 | .00650 | .68400 |
| 5.440 | .000 | .32180 | .09940 | -.03740 | .32980 | .06843 | -.01300 | -.00240 | .00640 | .69400 |
| 5.440 | .980 | .32360 | .09710 | -.03580 | .33140 | .06603 | -.03300 | -.00090 | .00400 | .69200 |
| 5.440 | 1.970 | .32510 | .09990 | -.04090 | .33310 | .06862 | -.05900 | .00060 | .00370 | .69700 |
| 5.440 | 5.960 | .32980 | .08580 | -.04310 | .33640 | .05419 | -.14500 | .00930 | -.00510 | .69900 |
| 5.440 | 9.990 | .33660 | .07300 | -.04650 | .34200 | .04075 | -.23400 | .01810 | -.01340 | .70200 |
| | GRADIENT | .00054 | .00288 | -.00218 | .00082 | .00282 | -.02342 | .00088 | -.00126 | .00241 |

OA172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG048) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 207/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.810 | -9.960 | .63180 | .11620 | -.05670 | .64240 | -.00445 | .20800 | -.01360 | .02790 | .68400 |
| 10.800 | -5.970 | .61090 | .11900 | -.04380 | .62240 | .00242 | .11500 | -.00510 | .01880 | .67800 |
| 10.790 | -2.010 | .60180 | .12990 | -.04490 | .61550 | .01489 | .03100 | -.00450 | .01090 | .67900 |
| 10.790 | -1.010 | .60160 | .13020 | -.04500 | .61530 | .01527 | .00900 | -.00260 | .00820 | .67900 |
| 10.790 | .000 | .60220 | .12080 | -.03750 | .61420 | .00588 | -.00900 | .00150 | .00420 | .67400 |
| 10.790 | .980 | .60160 | .11930 | -.03870 | .61330 | .00455 | -.03000 | .00300 | .00150 | .67500 |
| 10.790 | 1.970 | .60150 | .11920 | -.03950 | .61320 | .00446 | -.05100 | .00430 | -.00100 | .67600 |
| 10.790 | 5.960 | .60660 | .11640 | -.04640 | .61770 | .00072 | -.13000 | .00730 | -.01230 | .68000 |
| 10.800 | 9.960 | .62020 | .11340 | -.05760 | .63040 | -.00477 | -.22000 | .01500 | -.02230 | .68500 |
| | GRADIENT | -.00006 | -.00325 | .00173 | -.00066 | -.00318 | -.02040 | .00233 | -.00307 | -.00101 |

RUN NO. 208/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 16.210 | -9.980 | .94330 | .21610 | -.08620 | .96610 | -.05584 | .19300 | -.00790 | .02720 | .68500 |
| 16.200 | -5.970 | .91840 | .21450 | -.06600 | .94180 | -.05021 | .11100 | -.00320 | .01890 | .67800 |
| 16.190 | -2.020 | .91300 | .22120 | -.05980 | .93850 | -.04218 | .02600 | -.00040 | .01010 | .67500 |
| 16.180 | -1.000 | .90890 | .22120 | -.06740 | .93450 | -.04091 | .00700 | -.00120 | .00700 | .67800 |
| 16.200 | .000 | .90700 | .21010 | -.05930 | .92960 | -.05131 | -.01300 | .00380 | .00190 | .67500 |
| 16.200 | .990 | .91010 | .21290 | -.06000 | .93330 | -.04956 | -.03200 | .00450 | -.00170 | .67500 |
| 16.200 | 1.970 | .91100 | .21360 | -.06150 | .93450 | -.04919 | -.05200 | .00480 | -.00460 | .67600 |
| 16.200 | 5.960 | .91720 | .21450 | -.07060 | .94060 | -.04989 | -.12700 | .00520 | -.01390 | .67900 |
| 16.210 | 9.990 | .93810 | .21510 | -.09390 | .96090 | -.05536 | -.20800 | .00990 | -.02370 | .68800 |
| | GRADIENT | -.00029 | -.00237 | .00040 | -.00093 | -.00228 | -.01956 | .00162 | -.00382 | -.00010 |

RUN NO. 209/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| ALPHA | BETA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 21.620 | -9.980 | 1.23890 | .42330 | -.12570 | 1.30770 | -.06299 | .21800 | -.02430 | .02530 | .68700 |
| 21.600 | -5.970 | 1.21300 | .41420 | -.10130 | 1.28040 | -.06156 | .13600 | -.01860 | .01860 | .68100 |
| 21.610 | -2.000 | 1.22400 | .41200 | -.10170 | 1.28970 | -.06788 | .04900 | -.00880 | .01080 | .68100 |
| 21.620 | -1.010 | 1.22590 | .41380 | -.10420 | 1.29210 | -.06719 | .02500 | -.00710 | .00600 | .68200 |
| 21.630 | .000 | 1.22540 | .40930 | -.10470 | 1.29000 | -.07121 | .00200 | -.00430 | .00310 | .68200 |
| 21.620 | .980 | 1.21890 | .40550 | -.10210 | 1.28250 | -.07219 | -.02100 | -.00140 | -.00010 | .68100 |
| 21.620 | 1.970 | 1.21540 | .40340 | -.09880 | 1.27860 | -.07278 | -.04500 | .00080 | -.00450 | .68000 |
| 21.620 | 5.970 | 1.22590 | .39720 | -.10730 | 1.28610 | -.08244 | -.13100 | .00830 | -.01120 | .68300 |
| 21.590 | 9.960 | 1.21440 | .39200 | -.11680 | 1.27350 | -.08244 | -.20900 | .01220 | -.02370 | .68600 |
| | GRADIENT | -.00243 | -.00257 | .00079 | -.00320 | -.00149 | -.02356 | .00251 | -.00370 | -.00030 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG049) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .130 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 1/ 0 RN/L = .92 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.210 | -.21550 | .10520 | -.26560 | -.22560 | .08128 | -.01600 | .00470 | .00590 | .21900 |
| .000 | -4.120 | -.11800 | .09660 | -.17820 | -.12470 | .08793 | -.01800 | .00560 | .00570 | .12600 |
| .000 | -2.030 | -.02570 | .09080 | -.09950 | -.02890 | .08991 | -.01700 | .00540 | .00560 | -.61400 |
| .000 | .040 | .06910 | .08850 | -.01220 | .06920 | .08850 | -.01700 | .00510 | .00520 | .71700 |
| .000 | 2.090 | .16100 | .08850 | -.03930 | .16410 | .08262 | -.01500 | .00490 | .00480 | .74000 |
| .000 | 4.150 | .25100 | .09150 | -.03950 | .25700 | .07310 | -.01500 | .00430 | .00450 | .70800 |
| .000 | 6.200 | .33890 | .09710 | -.03840 | .34750 | .05996 | -.01300 | .00390 | .00450 | .69300 |
| .000 | 8.280 | .44080 | .10800 | -.03750 | .45180 | .04339 | -.01300 | .00390 | .00430 | .68200 |
| .000 | 10.330 | .52600 | .12310 | -.03750 | .53960 | .02679 | -.01400 | .00430 | .00440 | .67700 |
| .000 | 12.390 | .63360 | .14930 | -.03970 | .65090 | .00988 | -.01400 | .00550 | .00410 | .67400 |
| .000 | 14.460 | .74460 | .18460 | -.04640 | .76710 | -.00716 | -.01400 | .00500 | .00270 | .67400 |
| .000 | 16.530 | .86600 | .23040 | -.05590 | .89570 | -.02559 | -.01400 | .00560 | .00270 | .67500 |
| .000 | 18.610 | .99000 | .35210 | -.08960 | 1.04200 | .02052 | -.01700 | .00780 | .00420 | .68300 |
| .000 | 20.690 | 1.08940 | .35150 | -.06340 | 1.14340 | -.05603 | -.01900 | .00920 | .00510 | .67200 |
| | GRADIENT | .04476 | -.00061 | .01638 | .04629 | -.00178 | .00039 | -.00015 | -.00015 | .12176 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG050) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 5/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.250 | -.21710 | .10440 | -.04770 | -.22720 | .08013 | -.02200 | .00780 | .00780 | .57400 |
| .000 | -4.150 | -.11670 | .09590 | -.04900 | -.12340 | .08725 | -.02400 | .00810 | .00700 | .50600 |
| .000 | -2.030 | -.01800 | .09060 | -.04890 | -.02120 | .08994 | -.02500 | .00830 | .00720 | -.19600 |
| .000 | .050 | .07570 | .08800 | -.04690 | .07570 | .08796 | -.02400 | .00820 | .00690 | .88000 |
| .000 | 2.160 | .17070 | .08810 | -.04500 | .17390 | .08160 | -.02200 | .00770 | .00650 | .74700 |
| .000 | 4.260 | .26070 | .09140 | -.04310 | .26680 | .07178 | -.02200 | .00770 | .00610 | .71100 |
| .000 | 6.360 | .35780 | .09870 | -.04230 | .36650 | .05844 | -.02100 | .00720 | .00550 | .69400 |
| .000 | 8.480 | .45640 | .11110 | -.04040 | .46780 | .04259 | -.01900 | .00650 | .00520 | .68400 |
| .000 | 10.570 | .55190 | .12880 | -.03900 | .56620 | .02535 | -.01800 | .00600 | .00470 | .67700 |
| .000 | 12.690 | .65850 | .15530 | -.04060 | .67660 | .00683 | -.01800 | .00650 | .00460 | .67400 |
| .000 | 14.820 | .77810 | .19460 | -.04920 | .80200 | -.01095 | -.01800 | .00710 | .00300 | .67400 |
| .000 | 16.950 | .90160 | .24340 | -.05540 | .93340 | -.03010 | -.01800 | .00790 | .00360 | .67400 |
| .000 | 19.080 | 1.02090 | .30350 | -.06330 | 1.06410 | -.04701 | -.01800 | .00810 | .00560 | .67400 |
| .000 | 21.220 | 1.12920 | .38090 | -.06960 | 1.19050 | -.05365 | -.02700 | .01360 | .00840 | .67300 |
| | GRADIENT | .04491 | -.00055 | .00075 | .04643 | -.00187 | .00033 | -.00007 | -.00012 | .06413 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG05I) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .260 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 3/ 0 RN/L = 1.84 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.400 | -.22010 | .10730 | -.04910 | -.23070 | .08214 | -.02100 | .00620 | .00730 | .57300 |
| .000 | -4.240 | -.11550 | .09800 | -.05050 | -.12240 | .08923 | -.02200 | .00680 | .00670 | .50000 |
| .000 | -2.050 | -.01680 | .09080 | -.04920 | -.02000 | .09021 | -.02000 | .00630 | .00630 | -.24900 |
| .000 | .080 | .07870 | .08830 | -.04770 | .07890 | .08821 | -.02000 | .00650 | .00590 | .87500 |
| .000 | 2.260 | .17750 | .08850 | -.04420 | .18090 | .08151 | -.01900 | .00620 | .00560 | .74200 |
| .000 | 4.310 | .26750 | .09230 | -.04220 | .27360 | .07191 | -.01800 | .00580 | .00480 | .70900 |
| .000 | 6.560 | .36980 | .09960 | -.04160 | .37880 | .05678 | -.01600 | .00520 | .00420 | .69200 |
| .000 | 8.720 | .47310 | .11470 | -.04100 | .48500 | .04165 | -.01600 | .00470 | .00440 | .68300 |
| .000 | 10.900 | .57390 | .13420 | -.03920 | .58890 | .02321 | -.01400 | .00400 | .00380 | .67600 |
| .000 | 13.130 | .69040 | .16610 | -.04330 | .71010 | .00491 | -.01400 | .00430 | .00330 | .67400 |
| .000 | 15.260 | .81330 | .20840 | -.05060 | .83950 | -.01310 | -.01500 | .00510 | .00240 | .67400 |
| .000 | 17.450 | .93510 | .26070 | -.05780 | .97030 | -.03186 | -.01500 | .00550 | .00370 | .67400 |
| .000 | 19.660 | 1.06170 | .33220 | -.06680 | 1.11160 | -.04440 | -.01900 | .00810 | .00500 | .67400 |
| .000 | 21.830 | 1.15990 | .41980 | -.08090 | 1.23280 | -.04179 | -.01700 | .00790 | .00540 | .67600 |
| | GRADIENT | .04486 | -.00065 | .00101 | .04638 | -.00202 | .00042 | -.00010 | -.00021 | .06561 |

OA172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG052) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -10.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 16/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.390 | -.41780 | .13730 | .04610 | -.43050 | .08996 | -.01600 | .00590 | .00800 | .69100 |
| .000 | -4.290 | -.31390 | .12170 | .04340 | -.32210 | .09789 | -.01700 | .00580 | .00760 | .70100 |
| .000 | -2.190 | -.22050 | .10970 | .04330 | -.22450 | .10119 | -.01800 | .00600 | .00750 | .72300 |
| .000 | -.080 | -.12450 | .10070 | .04370 | -.12470 | .10052 | -.01900 | .00620 | .00710 | .78100 |
| .000 | 2.020 | -.02700 | .09470 | .04510 | -.02360 | .09563 | -.01900 | .00620 | .00690 | 1.35300 |
| .000 | 4.110 | .06690 | .09200 | .04780 | .07340 | .08702 | -.01800 | .00600 | .00620 | .41200 |
| .000 | 6.220 | .16190 | .09280 | .05020 | .17100 | .07479 | -.01600 | .00530 | .00580 | .54400 |
| .000 | 8.330 | .25700 | .09860 | .05130 | .26860 | .06033 | -.01700 | .00550 | .00560 | .58100 |
| .000 | 10.430 | .35160 | .10980 | .05330 | .36570 | .04433 | -.01500 | .00480 | .00480 | .59800 |
| .000 | 12.530 | .44920 | .12790 | .05250 | .46630 | .02739 | -.01300 | .00440 | .00440 | .61000 |
| .000 | 14.650 | .57270 | .14740 | .05050 | .59140 | -.00224 | -.01400 | .00490 | .00350 | .62000 |
| .000 | 16.770 | .69300 | .19880 | .04000 | .72090 | -.00969 | -.01400 | .00560 | .00330 | .63100 |
| .000 | 18.910 | .81120 | .25040 | .03510 | .84850 | -.02608 | -.01400 | .00530 | .00500 | .63700 |
| .000 | 21.040 | .91930 | .31330 | .02970 | .97050 | -.03776 | -.01600 | .00730 | .00490 | .64100 |
| | GRADIENT | .04546 | -.00354 | .00050 | .04721 | -.00130 | -.00014 | .00003 | -.00016 | .00260 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG053) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 13/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.320 | -.32150 | .12120 | .00370 | -.33290 | .08510 | -.01600 | .00550 | .00850 | .65600 |
| .000 | -4.210 | -.21810 | .10920 | .00160 | -.22560 | .09290 | -.01800 | .00590 | .00760 | .65400 |
| .000 | -2.100 | -.12080 | .10080 | -.00010 | -.12450 | .09632 | -.01900 | .00580 | .00730 | .65100 |
| .000 | .000 | -.02360 | .09560 | .00000 | -.02360 | .09561 | -.01900 | .00600 | .00710 | .65100 |
| .000 | 2.100 | .07380 | .09270 | .00190 | .07720 | .08994 | -.02000 | .00620 | .00690 | .64200 |
| .000 | 4.200 | .16460 | .09310 | .00560 | .17100 | .08079 | -.01600 | .00520 | .00550 | .64000 |
| .000 | 6.300 | .25790 | .09670 | .00660 | .26690 | .06786 | -.01500 | .00470 | .00500 | .64300 |
| .000 | 8.420 | .35640 | .10600 | .00650 | .36810 | .05264 | -.01400 | .00420 | .00440 | .64500 |
| .000 | 10.520 | .45730 | .12150 | .00740 | .47180 | .03589 | -.01300 | .00390 | .00380 | .64600 |
| .000 | 12.620 | .56030 | .14400 | .00530 | .57820 | .01813 | -.01300 | .00360 | .00350 | .64800 |
| .000 | 14.750 | .67830 | .17840 | .00050 | .70140 | -.00022 | -.01100 | .00350 | .00220 | .65200 |
| .000 | 16.900 | .79690 | .22180 | -.00600 | .82700 | -.01940 | -.01300 | .00450 | .00250 | .65400 |
| .000 | 19.020 | .91700 | .27940 | -.01040 | .95860 | -.03495 | -.01200 | .00440 | .00380 | .65600 |
| .000 | 21.150 | 1.02390 | .34900 | -.01620 | 1.08090 | -.04396 | -.01700 | .00800 | .00510 | .65700 |
| | GRADIENT | .04567 | -.00192 | .00048 | .04733 | -.00145 | .00014 | -.00005 | -.00022 | -.00176 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG054) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 12/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.190 | -.12830 | .10020 | -.08950 | -.13830 | .08586 | -.01700 | .00530 | .00680 | .41400 |
| .000 | -4.080 | -.02760 | .09480 | -.08960 | -.03420 | .09269 | -.01900 | .00600 | .00630 | -.30900 |
| .000 | -1.980 | .06040 | .09210 | -.08970 | .05720 | .09423 | -.01800 | .00550 | .00620 | 1.22900 |
| .000 | .110 | .16150 | .09180 | -.08870 | .16170 | .09149 | -.01800 | .00570 | .00570 | .85400 |
| .000 | 2.230 | .25920 | .09440 | -.08600 | .26270 | .08430 | -.01600 | .00520 | .00480 | .77200 |
| .000 | 4.320 | .35030 | .10090 | -.08480 | .35690 | .07421 | -.01500 | .00440 | .00410 | .73900 |
| .000 | 6.420 | .44210 | .11020 | -.08560 | .45170 | .06003 | -.01200 | .00330 | .00340 | .72200 |
| .000 | 6.540 | .54060 | .12440 | -.08190 | .55310 | .04279 | -.01000 | .00250 | .00150 | .70600 |
| .000 | 10.630 | .62760 | .14240 | -.07760 | .64310 | .02407 | -.01100 | .00290 | .00280 | .69600 |
| .000 | 12.760 | .73920 | .17370 | -.08210 | .75930 | .00613 | -.01100 | .00370 | .00300 | .69200 |
| .000 | 14.880 | .86270 | .21650 | -.08790 | .88940 | -.01227 | -.01100 | .00370 | .00190 | .68800 |
| .000 | 16.990 | .98160 | .26800 | -.09690 | 1.01710 | -.03057 | -.00900 | .00350 | .00150 | .68700 |
| .000 | 19.150 | 1.10000 | .33260 | -.10530 | 1.15390 | -.04856 | -.00800 | .00310 | .00310 | .68500 |
| .000 | 21.260 | 1.20900 | .41510 | -.11250 | 1.27720 | -.05168 | -.02000 | .01080 | .00630 | .68400 |
| | GRADIENT | .04544 | .00069 | .00063 | .04701 | -.00223 | .00048 | -.00017 | -.00028 | .07795 |

0A172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG055) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 10.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 21/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.140 | -.05550 | .09580 | -.12430 | -.06540 | .08934 | -.01700 | .00540 | .00650 | -.04600 |
| .000 | -4.020 | .04540 | .09230 | -.12380 | .03880 | .09534 | -.01800 | .00590 | .00620 | 1.82400 |
| .000 | -1.910 | .13840 | .09170 | -.12260 | .13530 | .09635 | -.01900 | .00600 | .00600 | .98500 |
| .000 | .150 | .23380 | .09360 | -.12070 | .23410 | .09300 | -.01800 | .00560 | .00550 | .84200 |
| .000 | 2.290 | .32930 | .09890 | -.12030 | .33300 | .08569 | -.01700 | .00500 | .00510 | .78500 |
| .000 | 4.460 | .41870 | .10740 | -.11740 | .42580 | .07453 | -.01500 | .00450 | .00440 | .75300 |
| .000 | 6.490 | .52030 | .12020 | -.11740 | .53060 | .06059 | -.01400 | .00410 | .00400 | .73300 |
| .000 | 8.590 | .62150 | .13840 | -.12020 | .63520 | .04397 | -.01200 | .00330 | .00340 | .72100 |
| .000 | 10.710 | .73210 | .16550 | -.12650 | .75010 | .02657 | -.01200 | .00330 | .00340 | .71400 |
| .000 | 12.920 | .85160 | .20150 | -.13490 | .87510 | .00598 | -.01100 | .00340 | .00260 | .70900 |
| .000 | 15.030 | .95990 | .24420 | -.13870 | .99040 | -.01310 | -.01100 | .00360 | .00170 | .70300 |
| .000 | 17.070 | 1.07490 | .29900 | -.14480 | 1.11540 | -.02980 | -.00900 | .00360 | .00110 | .70000 |
| .000 | 19.210 | 1.19580 | .36650 | -.15190 | 1.24980 | -.04735 | -.00900 | .00380 | .00250 | .69700 |
| .000 | 21.310 | 1.29950 | .46570 | -.17220 | 1.37990 | -.03860 | -.01800 | .00970 | .00520 | .69800 |
| | GRADIENT | .04430 | .00177 | .00071 | .04591 | -.00248 | .00038 | -.00018 | -.00021 | -.11028 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG056) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = 5.000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 23/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.270 | -.22580 | .10900 | -.04320 | -.23630 | .08370 | -.05200 | .01800 | .02400 | .58400 |
| .000 | -4.160 | -.13140 | .10090 | -.04320 | -.13840 | .09112 | -.05400 | .01810 | .02310 | .53700 |
| .000 | -2.050 | -.03600 | .09520 | -.04410 | -.03940 | .09390 | -.05400 | .01800 | .02300 | .24100 |
| .000 | .040 | .05970 | .09240 | -.04320 | .05970 | .09237 | -.05500 | .01810 | .02270 | .91800 |
| .000 | 2.150 | .15650 | .09230 | -.04100 | .15980 | .08637 | -.05300 | .01700 | .02260 | .74600 |
| .000 | 4.260 | .25130 | .09550 | -.03810 | .25770 | .07657 | -.05200 | .01670 | .02270 | .70600 |
| .000 | 6.360 | .34480 | .10230 | -.03730 | .35400 | .06352 | -.05100 | .01620 | .02260 | .69100 |
| .000 | 8.460 | .44170 | .11410 | -.03710 | .45370 | .04787 | -.04900 | .01560 | .02240 | .68200 |
| .000 | 10.600 | .53480 | .13020 | -.03180 | .54960 | .02962 | -.04800 | .01520 | .02010 | .67300 |
| .000 | 12.750 | .64450 | .15740 | -.03710 | .66340 | .01123 | -.05100 | .01650 | .02040 | .67200 |
| .000 | 14.810 | .75150 | .19070 | -.04180 | .77530 | -.00766 | -.05100 | .01760 | .01880 | .67200 |
| .000 | 16.940 | .87890 | .24160 | -.04710 | .91120 | -.02497 | -.05400 | .01900 | .01910 | .67100 |
| .000 | 19.060 | .99740 | .30070 | -.05560 | 1.04090 | -.04157 | -.05500 | .02020 | .02150 | .67100 |
| .000 | 21.180 | 1.10400 | .37490 | -.05960 | 1.16490 | -.04942 | -.06000 | .02350 | .02400 | .67100 |
| | GRADIENT | .04553 | -.00065 | .00063 | .04712 | -.00174 | .00024 | -.00018 | -.00006 | .03996 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG057) ( 12 MAR 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | 10.000 | RUDDER = | .000 |
| SPDBRK = | .000 | BDFLAP = | -11.700 |

RUN NO. 22/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.270 | -.23650 | .11900 | -.03600 | -.24810 | .09241 | -.07800 | .02680 | .03910 | .59800 |
| .000 | -4.170 | -.13800 | .10990 | -.03780 | -.14570 | .09962 | -.08100 | .02720 | .03810 | .55600 |
| .000 | -2.060 | -.04320 | .10360 | -.03910 | -.04690 | .10203 | -.08200 | .02740 | .03810 | .34500 |
| .000 | .040 | .05400 | .10030 | -.03840 | .05410 | .10032 | -.08400 | .02730 | .03830 | .91300 |
| .000 | 2.140 | .14850 | .10000 | -.03540 | .15210 | .09441 | -.08300 | .02670 | .03840 | .73800 |
| .000 | 4.240 | .24290 | .10280 | -.03330 | .24980 | .08455 | -.08100 | .02560 | .03820 | .70100 |
| .000 | 6.350 | .33910 | .10980 | -.03260 | .34910 | .07164 | -.08000 | .02500 | .03830 | .68600 |
| .000 | 6.460 | .43760 | .12180 | -.03290 | .45080 | .05609 | -.08100 | .02490 | .03840 | .67900 |
| .000 | 10.570 | .53840 | .14020 | -.03490 | .55500 | .03899 | -.08400 | .02570 | .03960 | .67500 |
| .000 | 12.680 | .64810 | .16700 | -.03790 | .66900 | .02058 | -.08900 | .02840 | .03990 | .67300 |
| .000 | 14.810 | .76600 | .20390 | -.04380 | .79270 | .00132 | -.09100 | .03000 | .03790 | .67200 |
| .000 | 16.930 | .87670 | .24920 | -.04720 | .91130 | -.01690 | -.09100 | .03060 | .03720 | .67100 |
| .000 | 19.070 | .99800 | .31010 | -.05520 | 1.04450 | -.03304 | -.09300 | .03160 | .04060 | .67100 |
| .000 | 21.200 | 1.10500 | .38240 | -.06060 | 1.16860 | -.04306 | -.09400 | .03430 | .04180 | .67100 |
| | GRADIENT | .04536 | -.00085 | .00060 | .04710 | -.00180 | -.00005 | -.00019 | .00002 | .03248 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G1$ (RFG058) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 25.000 BDFLAP = -11.700

RUN NO. 24/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.240 | -.21480 | .11270 | -.04230 | -.22580 | .08874 | -.01600 | .00470 | .00950 | .58300 |
| -.010 | -4.130 | -.11940 | .10490 | -.04390 | -.12670 | .09601 | -.01800 | .00510 | .00880 | .52400 |
| -.010 | -2.020 | -.02320 | .09940 | -.04260 | -.02670 | .09854 | -.01700 | .00480 | .00850 | .06500 |
| -.010 | .070 | .07010 | .09650 | -.04050 | .07020 | .09650 | -.01700 | .00500 | .00800 | .86400 |
| -.010 | 2.180 | .16440 | .09680 | -.03890 | .16800 | .09050 | -.01600 | .00480 | .00750 | .73700 |
| -.010 | 4.280 | .25730 | .10050 | -.03630 | .26410 | .08104 | -.01600 | .00440 | .00710 | .70200 |
| -.010 | 6.390 | .35240 | .10720 | -.03610 | .36210 | .06728 | -.01500 | .00430 | .00680 | .68900 |
| -.010 | 8.500 | .45040 | .11870 | -.03590 | .46300 | .05079 | -.01200 | .00300 | .00610 | .68000 |
| -.010 | 10.610 | .54350 | .13520 | -.03450 | .55910 | .03279 | -.01000 | .00240 | .00510 | .67500 |
| -.020 | 12.720 | .64440 | .16010 | -.03450 | .66380 | .01424 | -.01000 | .00280 | .00490 | .67100 |
| -.020 | 14.850 | .76680 | .19980 | -.04100 | .79240 | -.00349 | -.01100 | .00360 | .00320 | .67100 |
| -.020 | 16.970 | .88960 | .24830 | -.04960 | .92330 | -.02230 | -.01100 | .00440 | .00340 | .67200 |
| -.020 | 19.110 | 1.01000 | .30820 | -.05610 | 1.05530 | -.03957 | -.00900 | .00380 | .00490 | .67100 |
| -.020 | 21.250 | 1.11560 | .38500 | -.06190 | 1.17920 | -.04553 | -.01900 | .00960 | .00760 | .67100 |
| | GRADIENT | .04477 | -.00054 | .00090 | .04645 | -.00181 | .00024 | -.00007 | -.00021 | .04881 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG059) ( 12 MAR 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | 55.000 | BDFLAP = | -11.700 |

RUN NO. 26/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.260 | -.22850 | .13140 | -.02910 | -.24150 | .10574 | -.01900 | .00580 | .00910 | .60700 |
| .000 | -4.150 | -.13370 | .12300 | -.02990 | -.14220 | .11298 | -.02000 | .00570 | .00840 | .57400 |
| .000 | -2.040 | -.03870 | .11720 | -.02930 | -.04290 | .11577 | -.02000 | .00570 | .00790 | .40000 |
| .000 | .050 | .05420 | .11390 | -.02700 | .05430 | .11389 | -.01900 | .00560 | .00760 | .83500 |
| .000 | 2.150 | .14620 | .11330 | -.02430 | .15040 | .10779 | -.01800 | .00540 | .00700 | .71100 |
| .000 | 4.250 | .23890 | .11630 | -.02210 | .24680 | .09830 | -.01700 | .00510 | .00680 | .68500 |
| .000 | 6.350 | .33410 | .12210 | -.02040 | .34550 | .08444 | -.01600 | .00460 | .00650 | .67400 |
| .000 | 8.470 | .43100 | .13280 | -.02070 | .44590 | .06782 | -.01500 | .00360 | .00580 | .66900 |
| .000 | 10.570 | .52810 | .14920 | -.01970 | .54650 | .04975 | -.01300 | .00310 | .00490 | .66500 |
| .000 | 12.680 | .63220 | .17430 | -.02090 | .65510 | .03128 | -.01200 | .00320 | .00440 | .66400 |
| .000 | 14.810 | .74910 | .21120 | -.02680 | .77820 | .01257 | -.01300 | .00440 | .00310 | .66400 |
| .000 | 16.940 | .86810 | .25850 | -.03430 | .90580 | -.00562 | -.01400 | .00510 | .00320 | .66600 |
| .000 | 19.070 | .98910 | .31770 | -.04270 | 1.03860 | -.02294 | -.01300 | .00510 | .00480 | .66700 |
| .000 | 21.200 | 1.09490 | .39230 | -.04500 | 1.16270 | -.03037 | -.02200 | .01010 | .00700 | .66600 |
| | GRADIENT | .04431 | -.00082 | .00098 | .04627 | -.00178 | .00038 | -.00007 | -.00020 | .02535 |

0A172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RF0060) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700

RUN NO. 28/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.270 | -.24430 | .15740 | -.02120 | -.26010 | .12982 | -.02100 | .00670 | .00910 | .62200 |
| .000 | -4.170 | -.15080 | .14840 | -.02130 | -.16120 | .13710 | -.02200 | .00700 | .00850 | .60300 |
| .000 | -2.050 | -.05790 | .14160 | -.02010 | -.06300 | .13950 | -.02100 | .00650 | .00820 | .53400 |
| .000 | .050 | .03720 | .13730 | -.01590 | .03730 | .13726 | -.02000 | .00620 | .00770 | .80800 |
| .000 | 2.150 | .12890 | .13540 | -.01340 | .13390 | .13048 | -.01900 | .00580 | .00720 | .68900 |
| .000 | 4.250 | .22270 | .13740 | -.00840 | .23230 | .12057 | -.01800 | .00550 | .00700 | .66500 |
| .000 | 6.360 | .31860 | .14220 | -.00870 | .33240 | .10601 | -.01800 | .00510 | .00680 | .66100 |
| .000 | 8.460 | .41170 | .15170 | -.00650 | .42960 | .08952 | -.01500 | .00400 | .00620 | .65700 |
| .000 | 10.580 | .50920 | .16690 | -.00610 | .53120 | .07063 | -.01400 | .00400 | .00500 | .65600 |
| .000 | 12.660 | .60210 | .18780 | -.00550 | .62860 | .05133 | -.01400 | .00400 | .00460 | .65500 |
| .000 | 14.810 | .72960 | .22630 | -.01200 | .76320 | .03221 | -.01500 | .00500 | .00340 | .65800 |
| .000 | 16.920 | .84830 | .27170 | -.02030 | .89060 | .01305 | -.01400 | .00530 | .00340 | .66000 |
| .000 | 19.050 | .96780 | .33000 | -.02790 | 1.02250 | -.00395 | -.01400 | .00530 | .00500 | .66200 |
| .000 | 21.190 | 1.07450 | .40310 | -.03150 | 1.14760 | -.01259 | -.02200 | .01060 | .00680 | .66200 |
| | GRADIENT | .04438 | -.00134 | .00154 | .04676 | -.00200 | .00048 | -.00018 | -.00019 | .01326 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG061) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 38/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.230 | -.19510 | .10860 | -.05410 | -.20550 | .08482 | -.02600 | .00900 | .00740 | .55500 |
| .000 | -4.130 | -.10000 | .09920 | -.05520 | -.10690 | .09180 | -.02600 | .00880 | .00690 | .46200 |
| .000 | -2.030 | -.00740 | .09420 | -.05270 | -.01070 | .09396 | -.02600 | .00880 | .00660 | -1.14800 |
| .000 | .070 | .08780 | .09200 | -.04990 | .08800 | .09198 | -.02500 | .00830 | .00620 | .86100 |
| .000 | 2.170 | .18070 | .09250 | -.04700 | .18410 | .08564 | -.02300 | .00780 | .00580 | .74600 |
| .000 | 4.290 | .27740 | .09700 | -.04690 | .28390 | .07599 | -.02200 | .00730 | .00530 | .71300 |
| .000 | 6.370 | .36970 | .10430 | -.04540 | .37900 | .06268 | -.02100 | .00660 | .00530 | .69600 |
| .000 | 8.490 | .46850 | .11710 | -.04570 | .48070 | .04665 | -.01800 | .00530 | .00430 | .68700 |
| .000 | 10.580 | .56340 | .13460 | -.04250 | .57850 | .02883 | -.01700 | .00500 | .00370 | .67900 |
| .000 | 12.700 | .66100 | .15950 | -.04280 | .67990 | .01025 | -.01700 | .00530 | .00350 | .67500 |
| .000 | 14.820 | .78930 | .20120 | -.05060 | .81450 | -.00747 | -.01700 | .00600 | .00180 | .67500 |
| .000 | 16.950 | .90970 | .25030 | -.05940 | .94320 | -.02586 | -.01600 | .00640 | .00190 | .67500 |
| .000 | 19.080 | 1.02910 | .31010 | -.06600 | 1.07390 | -.04345 | -.01400 | .00580 | .00350 | .67400 |
| .000 | 21.210 | 1.13620 | .38940 | -.07270 | 1.20010 | -.04808 | -.02400 | .01130 | .00630 | .67400 |
| | GRADIENT | .04481 | -.00029 | .00106 | .04641 | -.00190 | .00052 | -.00019 | -.00019 | .11384 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG062) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPOBRK = .000 BDFLAP = 16.300

RUN NO. 34/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.210 | -.16960 | .11420 | -.06300 | -.18090 | .09523 | -.02600 | .00870 | .00780 | .52400 |
| .000 | -4.100 | -.07090 | .10800 | -.06360 | -.07840 | .10269 | -.02500 | .00810 | .00710 | .35300 |
| .000 | -1.990 | .02520 | .10410 | -.06150 | .02160 | .10499 | -.02500 | .00820 | .00670 | 1.69900 |
| .000 | .090 | .11480 | .10290 | -.06080 | .11500 | .10275 | -.02300 | .00740 | .00620 | .84600 |
| .000 | 2.200 | .21140 | .10480 | -.05730 | .21530 | .09665 | -.02100 | .00670 | .00550 | .75000 |
| .000 | 4.290 | .30300 | .10980 | -.05540 | .31030 | .08682 | -.02000 | .00640 | .00550 | .71800 |
| .000 | 6.390 | .39880 | .11820 | -.05430 | .40950 | .07303 | -.02000 | .00600 | .00520 | .70100 |
| .000 | 8.510 | .49320 | .13180 | -.05290 | .50730 | .05742 | -.01700 | .00500 | .00470 | .69000 |
| .000 | 10.630 | .59010 | .15120 | -.05180 | .60790 | .03971 | -.01600 | .00460 | .00400 | .68300 |
| .000 | 12.720 | .69510 | .18000 | -.05370 | .71770 | .02251 | -.01600 | .00510 | .00350 | .67900 |
| .000 | 14.840 | .80910 | .22000 | -.05960 | .83840 | .00548 | -.01700 | .00590 | .00210 | .67800 |
| .000 | 16.970 | .93040 | .27060 | -.06780 | .96890 | -.01273 | -.01700 | .00660 | .00240 | .67800 |
| .000 | 19.110 | 1.05450 | .33480 | -.07800 | 1.10600 | -.02896 | -.01700 | .00640 | .00420 | .67800 |
| .000 | 21.230 | 1.15970 | .41340 | -.08830 | 1.23070 | -.03470 | -.02600 | .01260 | .00670 | .67800 |
| | GRADIENT | .04454 | .00020 | .00098 | .04631 | -.00191 | .00067 | -.00023 | -.00021 | -.01023 |

OA172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG063) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = 10.000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 42/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.250 | -.21170 | .10760 | -.04720 | -.22210 | .08396 | .02400 | -.01400 | .01990 | .57400 |
| .000 | -4.140 | -.11580 | .09970 | -.04820 | -.12270 | .09115 | .02300 | -.01380 | .01930 | .50700 |
| .000 | -2.040 | -.02160 | .09440 | -.04850 | -.02500 | .09361 | .02300 | -.01390 | .01860 | -.06200 |
| .000 | .050 | .07380 | .09180 | -.04670 | .07390 | .09178 | .02300 | -.01370 | .01780 | .88500 |
| .000 | 2.170 | .16910 | .09220 | -.04370 | .17250 | .08572 | .02400 | -.01400 | .01710 | .74500 |
| .000 | 4.250 | .26180 | .09590 | -.04110 | .26820 | .07623 | .02300 | -.01390 | .01660 | .70800 |
| .000 | 6.350 | .35730 | .10290 | -.04170 | .36650 | .06271 | .02300 | -.01370 | .01600 | .69400 |
| .000 | 8.460 | .45360 | .11510 | -.04000 | .46580 | .04705 | .02500 | -.01430 | .01510 | .68300 |
| .000 | 10.580 | .55460 | .13290 | -.03880 | .56960 | .02878 | .02600 | -.01440 | .01400 | .67700 |
| .000 | 12.700 | .65830 | .15940 | -.03940 | .67720 | .01080 | .02500 | -.01430 | .01340 | .67300 |
| .000 | 14.800 | .76800 | .19470 | -.04610 | .79230 | -.00794 | .02500 | -.01310 | .01160 | .67300 |
| .000 | 16.930 | .89700 | .24570 | -.05280 | .92970 | -.02611 | .02500 | -.01280 | .01170 | .67300 |
| .000 | 19.070 | 1.01730 | .30650 | -.05880 | 1.06160 | -.04272 | .02800 | -.01380 | .01310 | .67200 |
| .000 | 21.190 | 1.12110 | .38280 | -.06760 | 1.18370 | -.04843 | .02000 | -.00870 | .01560 | .67300 |
| | GRADIENT | .04506 | -.00047 | .00091 | .04666 | -.00180 | .00005 | -.00001 | -.00033 | .05756 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG064) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = -10.000
SPOBRK = .000 BDFLAP = -11.700

RUN NO. 46/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.240 | -.21920 | .10840 | -.04760 | -.22970 | .08392 | -.06400 | .02620 | -.00150 | .57600 |
| .000 | -4.140 | -.11740 | .09980 | -.04910 | -.12430 | .09108 | -.06500 | .02640 | -.00200 | .50600 |
| .000 | -2.030 | -.02230 | .09420 | -.04750 | -.02560 | .09338 | -.06500 | .02620 | -.00210 | -.02800 |
| .000 | .060 | .07180 | .09150 | -.04590 | .07190 | .09149 | -.06300 | .02550 | -.00240 | .88700 |
| .000 | 2.160 | .16190 | .09170 | -.04240 | .16520 | .08554 | -.06000 | .02430 | -.00280 | .74600 |
| .000 | 4.250 | .26010 | .09550 | -.04050 | .26650 | .07595 | -.05900 | .02360 | -.00270 | .70800 |
| .000 | 6.360 | .35620 | .10260 | -.04050 | .36530 | .06253 | -.05700 | .02280 | -.00270 | .69300 |
| .000 | 8.460 | .45280 | .11450 | -.03890 | .46470 | .04666 | -.05400 | .02140 | -.00300 | .68300 |
| .000 | 12.670 | .65620 | .15860 | -.03860 | .67500 | .01080 | -.05200 | .02100 | -.00330 | .67300 |
| .000 | 14.790 | .77610 | .19700 | -.04520 | .80070 | -.00773 | -.05400 | .02280 | -.00460 | .67300 |
| .000 | 16.930 | .89210 | .24270 | -.05320 | .92410 | -.02763 | -.05500 | .02320 | -.00380 | .67300 |
| .000 | 19.050 | 1.01630 | .30540 | -.05800 | 1.06030 | -.04304 | -.05300 | .02300 | -.00260 | .67200 |
| .000 | 21.170 | 1.12160 | .38300 | -.06540 | 1.18430 | -.04802 | -.06300 | .02860 | .00000 | .67200 |
| | GRADIENT | .04479 | -.00053 | .00106 | .04637 | -.00182 | .00081 | -.00036 | -.00010 | .05609 |

OA172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 (RFG065) ( 12 MAR 78 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 51/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.280 | -.23920 | .07750 | -.03890 | -.24620 | .05087 | -.02500 | .00760 | .00800 | .59400 |
| .000 | -4.180 | -.13090 | .06790 | -.04220 | -.13550 | .05824 | -.02500 | .00730 | .00760 | .53700 |
| .000 | -2.060 | -.03240 | .06260 | -.04220 | -.03460 | .06144 | -.02400 | .00720 | .00730 | .20200 |
| .000 | .020 | .06430 | .06030 | -.04090 | .06440 | .06036 | -.02200 | .00670 | .00680 | .88600 |
| .000 | 2.130 | .15970 | .06150 | -.03870 | .16190 | .05555 | -.02100 | .00630 | .00630 | .74000 |
| .000 | 4.230 | .25520 | .06600 | -.03640 | .25930 | .04699 | -.02000 | .00580 | .00610 | .70400 |
| .000 | 6.340 | .35400 | .07340 | -.03540 | .35990 | .03391 | -.02000 | .00530 | .00610 | .68800 |
| .000 | 8.440 | .45250 | .08610 | -.03680 | .46030 | .01874 | -.01700 | .00430 | .00540 | .68100 |
| .000 | 10.540 | .55300 | .10360 | -.03570 | .56270 | .00072 | -.01500 | .00370 | .00460 | .67500 |
| .000 | 12.640 | .65730 | .12940 | -.03670 | .66970 | -.01761 | -.01500 | .00380 | .00440 | .67200 |
| .000 | 14.780 | .78100 | .16820 | -.04260 | .79810 | -.03664 | -.01700 | .00570 | .00290 | .67100 |
| .000 | 16.910 | .90280 | .21540 | -.04950 | .92640 | -.05663 | -.01700 | .00610 | .00300 | .67200 |
| .000 | 19.050 | 1.02720 | .27570 | -.05950 | 1.06100 | -.07461 | -.01700 | .00630 | .00500 | .67200 |
| .000 | 21.180 | 1.13910 | .36350 | -.07180 | 1.19350 | -.07270 | -.01700 | .00710 | .00620 | .67400 |
| | GRADIENT | .04590 | -.00023 | .00072 | .04693 | -.00135 | .00062 | -.00019 | -.00019 | .04135 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 (RFG066) ( 28 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 55/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.280 | -.28730 | .07310 | .00520 | -.29360 | .04131 | .04947 | -.02100 | .00600 | .00830 | .65800 |
| .000 | -4.180 | -.18270 | .06270 | .00330 | -.18680 | .04926 | .04873 | -.02100 | .00590 | .00780 | .65800 |
| .000 | -2.080 | -.08510 | .05610 | .00180 | -.08710 | .05305 | .04813 | -.02100 | .00610 | .00750 | .66000 |
| .000 | .030 | .01400 | .05280 | .00070 | .01400 | .05287 | .04727 | -.02000 | .00600 | .00710 | .63200 |
| .000 | 2.190 | .11250 | .05230 | .00050 | .11440 | .04799 | .04604 | -.02000 | .00580 | .00670 | .65000 |
| .000 | 4.240 | .21060 | .05560 | -.00030 | .21410 | .03987 | .04469 | -.01900 | .00530 | .00650 | .65200 |
| .000 | 6.340 | .31020 | .06240 | -.00060 | .31520 | .02772 | .04281 | -.01700 | .00460 | .00640 | .65300 |
| .000 | 8.450 | .41130 | .07400 | -.00230 | .41770 | .01274 | .04188 | -.01500 | .00370 | .00580 | .65400 |
| .000 | 10.630 | .51420 | .09020 | -.00170 | .52210 | -.00620 | .04185 | -.01300 | .00320 | .00510 | .65300 |
| .000 | 12.680 | .60830 | .11140 | -.00050 | .61790 | -.02481 | .04328 | -.01300 | .00370 | .00480 | .65200 |
| .000 | 14.790 | .73530 | .14920 | -.00440 | .74910 | -.04341 | .04583 | -.01400 | .00490 | .00300 | .65400 |
| .000 | 16.920 | .85830 | .19390 | -.01120 | .87760 | -.06434 | .04933 | -.01700 | .00580 | .00330 | .65700 |
| .000 | 19.050 | .98270 | .24990 | -.01900 | 1.01050 | -.08461 | .05287 | -.01500 | .00540 | .00510 | .65900 |
| .000 | 21.190 | 1.09710 | .33120 | -.02950 | 1.14270 | -.08784 | .05855 | -.01900 | .00820 | .00660 | .66100 |
| | GRADIENT | .04662 | -.00085 | -.00040 | .04753 | -.00113 | -.00048 | .00024 | -.00007 | -.00016 | -.00104 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG067) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .130 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 66/ 0 RN/L = .92 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.160 | -.26890 | .10250 | .00230 | -.27840 | .07309 | .04862 | -.02200 | .00600 | .00810 | .65500 |
| .000 | -4.100 | -.17340 | .09260 | -.00150 | -.17960 | .07996 | .04785 | -.02100 | .00590 | .00760 | .64900 |
| .000 | -2.050 | -.08020 | .08630 | -.00200 | -.08320 | .08345 | .04730 | -.02000 | .00550 | .00710 | .64300 |
| .000 | .000 | .01460 | .08200 | -.00400 | .01460 | .08206 | .04675 | -.02200 | .00580 | .00700 | .75400 |
| .000 | 2.060 | .10900 | .08010 | -.00200 | .11180 | .07621 | .04606 | -.02100 | .00550 | .00660 | .65900 |
| .000 | 4.120 | .20320 | .08200 | -.00250 | .20860 | .06718 | .04501 | -.01900 | .00470 | .00620 | .65600 |
| .000 | 6.180 | .30050 | .08680 | -.00470 | .30810 | .05396 | .04447 | -.01900 | .00470 | .00630 | .65700 |
| .000 | 8.250 | .39550 | .09670 | -.00660 | .40530 | .03894 | .04405 | -.01600 | .00350 | .00580 | .65800 |
| .000 | 10.300 | .49270 | .11080 | -.00620 | .50460 | .02094 | .04438 | -.01600 | .00340 | .00560 | .65600 |
| .000 | 12.350 | .58970 | .13240 | -.00440 | .60440 | .00313 | .04565 | -.01500 | .00360 | .00480 | .65500 |
| .000 | 14.440 | .70690 | .16460 | -.00850 | .72560 | -.01692 | .04763 | -.01600 | .00490 | .00330 | .65600 |
| .000 | 16.500 | .82540 | .20820 | -.01760 | .85060 | -.03486 | .05061 | -.01800 | .00650 | .00350 | .65900 |
| .000 | 18.590 | .94450 | .26120 | -.02200 | .97850 | -.05367 | .05398 | -.01700 | .00630 | .00460 | .66000 |
| .000 | 20.670 | 1.05360 | .33080 | -.02720 | 1.10250 | -.06246 | .05920 | -.02300 | .00970 | .00680 | .66100 |
| | GRADIENT | .04586 | -.00133 | -.00010 | .04727 | -.00160 | -.00034 | .00015 | -.00012 | -.00016 | .00145 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG068) ( 28 SEP 78 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 59/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| -.010 | -6.280 | -.27620 | .10110 | .00110 | -.28560 | .07034 | .04931 | -.02200 | .00660 | .00810 | .65300 |
| -.010 | -4.180 | -.17370 | .09050 | -.00090 | -.17980 | .07765 | .04899 | -.02200 | .00650 | .00790 | .65000 |
| -.010 | -2.060 | -.07720 | .08350 | -.00170 | -.08020 | .08068 | .04861 | -.02200 | .00670 | .00760 | .64400 |
| -.010 | .020 | .01750 | .07880 | -.00290 | .01750 | .07882 | .04832 | -.02300 | .00670 | .00710 | .71300 |
| -.010 | 2.130 | .11650 | .07790 | -.00370 | .11940 | .07353 | .04730 | -.02100 | .00610 | .00650 | .66300 |
| -.010 | 4.250 | .21350 | .07950 | -.00450 | .21880 | .06352 | .04669 | -.02100 | .00590 | .00640 | .65900 |
| -.020 | 6.340 | .31140 | .08510 | -.00560 | .31890 | .05019 | .04588 | -.02000 | .00570 | .00640 | .65800 |
| -.020 | 8.450 | .40960 | .09540 | -.00680 | .41920 | .03416 | .04507 | -.01800 | .00450 | .00570 | .65800 |
| -.010 | 10.540 | .50820 | .11110 | -.00680 | .52000 | .01618 | .04590 | -.01600 | .00380 | .00480 | .65700 |
| -.020 | 12.660 | .61420 | .13480 | -.00540 | .62880 | -.00308 | .04700 | -.01500 | .00400 | .00480 | .65500 |
| -.020 | 14.790 | .73260 | .16930 | -.00920 | .75150 | -.02337 | .04923 | -.01700 | .00540 | .00320 | .65600 |
| -.020 | 16.920 | .85300 | .21330 | -.01580 | .87810 | -.04417 | .05249 | -.01700 | .00610 | .00340 | .65800 |
| -.020 | 19.050 | .97760 | .27110 | -.02240 | 1.01260 | -.06279 | .05638 | -.01700 | .00620 | .00490 | .66000 |
| -.020 | 21.190 | 1.09190 | .34940 | -.03250 | 1.14430 | -.06897 | .06157 | -.01800 | .00750 | .00630 | .66200 |
| | GRADIENT | .04599 | -.00131 | -.00044 | .04735 | -.00168 | -.00028 | .00014 | -.00009 | -.00019 | .00174 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RF0069) ( 28 SEP 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .260 ELEVON = .000
AILRON = .000 RUDDER = .000
SPOBRK = .000 BDFLAP = -11.700

RUN NO. 68/ 0 RN/L = 1.84 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.410 | -.27950 | .10150 | .00120 | -.28910 | .06962 | .05017 | -.02100 | .00610 | .00800 | .65300 |
| .000 | -4.250 | -.17270 | .09010 | -.00150 | -.17890 | .07706 | .05044 | -.02200 | .00640 | .00790 | .64900 |
| .000 | -2.100 | -.07570 | .08270 | -.00200 | -.07870 | .07995 | .04944 | -.02200 | .00640 | .00760 | .64200 |
| .000 | .040 | .02260 | .07830 | -.00310 | .02270 | .07830 | .04907 | -.02200 | .00620 | .00700 | .70300 |
| .000 | 2.210 | .12200 | .07700 | -.00390 | .12490 | .07224 | .04830 | -.02100 | .00570 | .00660 | .66400 |
| .000 | 4.370 | .21680 | .07920 | -.00550 | .22220 | .06245 | .04738 | -.02000 | .00550 | .00640 | .66100 |
| .000 | 6.560 | .32630 | .08520 | -.00570 | .33390 | .04740 | .04648 | -.02000 | .00550 | .00660 | .65800 |
| .000 | 8.680 | .42860 | .09660 | -.00530 | .43830 | .03083 | .04641 | -.01700 | .00420 | .00590 | .65600 |
| .000 | 10.860 | .53520 | .11410 | -.00480 | .54710 | .01114 | .04677 | -.01600 | .00420 | .00550 | .65500 |
| .000 | 13.080 | .64770 | .14190 | -.00550 | .66300 | -.00840 | .04814 | -.01500 | .00460 | .00490 | .65500 |
| .000 | 15.280 | .76560 | .17840 | -.01030 | .78560 | -.02968 | .05070 | -.01600 | .00540 | .00380 | .65700 |
| .000 | 17.450 | .88860 | .22510 | -.01700 | .91520 | -.05177 | .05447 | -.01600 | .00580 | .00480 | .65900 |
| .000 | 19.690 | 1.01820 | .29740 | -.02670 | 1.05890 | -.06317 | .05905 | -.01900 | .00810 | .00600 | .66100 |
| .000 | 21.830 | 1.13580 | .38560 | -.03790 | 1.19780 | -.06439 | .06490 | -.01300 | .00520 | .00570 | .66300 |
| | GRADIENT | .04532 | -.00127 | -.00046 | .04667 | -.00172 | -.00034 | .00023 | -.00012 | -.00019 | .00212 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG070) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -10.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 75/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| -.010 | -6.360 | -.45440 | .13100 | .07970 | -.46620 | .07984 | .04140 | -.01800 | .00590 | .00800 | .71500 |
| -.010 | -4.260 | -.35510 | .11380 | .07780 | -.36260 | .08713 | .04169 | -.01900 | .00570 | .00770 | .73100 |
| -.010 | -2.160 | -.25970 | .10040 | .07480 | -.26330 | .09060 | .04111 | -.02000 | .00590 | .00770 | .75600 |
| -.010 | -.050 | -.16300 | .09030 | .07400 | -.16310 | .09017 | .04112 | -.02100 | .00630 | .00770 | .81900 |
| -.010 | 2.040 | -.06420 | .08300 | .07280 | -.06120 | .08533 | .04071 | -.02100 | .00620 | .00750 | 1.09000 |
| -.010 | 4.160 | .03220 | .07910 | .07290 | .03790 | .07663 | .04000 | -.02000 | .00590 | .00700 | -.05500 |
| -.010 | 6.260 | .12920 | .07900 | .07320 | .13710 | .06444 | .03968 | -.01800 | .00520 | .00630 | .45500 |
| -.010 | 8.350 | .22760 | .08310 | .07170 | .23730 | .04920 | .03915 | -.01700 | .00480 | .00600 | .54100 |
| -.020 | 10.460 | .32350 | .09300 | .07300 | .33510 | .03273 | .03997 | -.01600 | .00440 | .00550 | .57200 |
| -.020 | 12.560 | .42950 | .11110 | .07350 | .44340 | .01498 | .04124 | -.01500 | .00400 | .00510 | .59100 |
| -.020 | 14.700 | .54830 | .13890 | .06690 | .56560 | -.00475 | .04425 | -.01500 | .00410 | .00370 | .60800 |
| -.020 | 16.860 | .67040 | .17540 | .06040 | .69250 | -.02655 | .04768 | -.01500 | .00440 | .00390 | .62000 |
| -.010 | 18.950 | .78920 | .22420 | .05810 | .81930 | -.04432 | .05151 | -.01400 | .00460 | .00550 | .62600 |
| -.020 | 21.090 | .90380 | .28980 | .05300 | .94760 | -.05481 | .05595 | -.01200 | .00470 | .00600 | .63100 |
| | GRADIENT | .04611 | -.00412 | -.00056 | .04768 | -.00125 | -.00018 | -.00014 | .00003 | -.00008 | -.05902 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG071) ( 12 MAR 78 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 72/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.340 | -.37210 | .11370 | .04360 | -.38240 | .07191 | .04571 | -.02000 | .00620 | .00970 | .69400 |
| .000 | -4.240 | -.26780 | .10040 | .04040 | -.27450 | .08039 | .04490 | -.02000 | .00620 | .00830 | .70600 |
| .000 | -2.130 | -.17130 | .08950 | .03920 | -.17450 | .08313 | .04496 | -.02200 | .00640 | .00820 | .73500 |
| .000 | -.030 | -.07130 | .08270 | .03740 | -.07140 | .08274 | .04446 | -.02300 | .00660 | .00780 | .84500 |
| .000 | 2.060 | .02560 | .07820 | .03620 | .02840 | .07722 | .04399 | -.02100 | .00610 | .00710 | .18400 |
| .000 | 4.170 | .12000 | .07700 | .03690 | .12530 | .06809 | .04315 | -.02000 | .00600 | .00650 | .54300 |
| .000 | 6.270 | .21770 | .07970 | .03590 | .22510 | .05547 | .04209 | -.01900 | .00540 | .00620 | .59300 |
| .000 | 8.370 | .31720 | .08710 | .03440 | .32650 | .03998 | .04264 | -.01800 | .00490 | .00590 | .61300 |
| .000 | 10.510 | .41790 | .09990 | .03520 | .42910 | .02201 | .04302 | -.01600 | .00420 | .00550 | .62200 |
| .000 | 12.580 | .52390 | .12130 | .03390 | .53770 | .00427 | .04438 | -.01600 | .00420 | .00510 | .62900 |
| .000 | 14.720 | .64260 | .15210 | .02910 | .66020 | -.01611 | .04717 | -.01700 | .00490 | .00380 | .63600 |
| .000 | 16.860 | .76380 | .19230 | .02250 | .78670 | -.03748 | .05022 | -.01700 | .00590 | .00420 | .64100 |
| .000 | 18.980 | .88380 | .24520 | .01760 | .91550 | -.05554 | .05404 | -.01700 | .00650 | .00550 | .64500 |
| .000 | 21.180 | 1.00070 | .32040 | .00940 | 1.04880 | -.06276 | .05910 | -.01500 | .00670 | .00660 | .64900 |
| | GRADIENT | .04629 | -.00277 | -.00048 | .04772 | -.00145 | -.00021 | .00005 | -.00003 | -.00022 | -.04165 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG072) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 70/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.200 | -.18630 | .09410 | -.03630 | -.19540 | .07343 | .05236 | -.02200 | .00650 | .00590 | .58300 |
| .000 | -4.100 | -.08930 | .08800 | -.03950 | -.09540 | .08140 | .05194 | -.02100 | .00610 | .00550 | .49900 |
| .000 | -2.000 | .00480 | .08330 | -.04030 | .00190 | .08347 | .05138 | -.02100 | .00610 | .00550 | 8.38600 |
| .000 | .100 | .10220 | .08150 | -.04200 | .10230 | .08135 | .05062 | -.02100 | .00610 | .00510 | .80300 |
| .000 | 2.200 | .19960 | .08250 | -.04270 | .20260 | .07485 | .04982 | -.01900 | .00540 | .00440 | .73000 |
| .000 | 4.290 | .29810 | .08700 | -.04480 | .30380 | .06446 | .04928 | -.01800 | .00480 | .00380 | .70600 |
| .000 | 6.400 | .39780 | .09550 | -.04750 | .40600 | .05055 | .04833 | -.01600 | .00400 | .00360 | .69500 |
| .000 | 8.510 | .48550 | .10580 | -.04110 | .49580 | .03274 | .04774 | -.01500 | .00350 | .00420 | .68200 |
| .000 | 10.610 | .58590 | .12420 | -.04100 | .59880 | .01418 | .04849 | -.01400 | .00340 | .00430 | .67700 |
| .000 | 12.730 | .69830 | .15240 | -.04450 | .71480 | -.00525 | .04942 | -.01400 | .00420 | .00490 | .67500 |
| .000 | 14.850 | .81580 | .18990 | -.04840 | .83720 | -.02566 | .05157 | -.01600 | .00510 | .00310 | .67300 |
| .000 | 16.990 | .93520 | .23660 | -.05170 | .96350 | -.04698 | .05452 | -.01600 | .00570 | .00350 | .67200 |
| .000 | 19.140 | 1.06180 | .29950 | -.06000 | 1.10130 | -.06512 | .05781 | -.01400 | .00570 | .00440 | .67200 |
| .000 | 21.260 | 1.17450 | .38780 | -.07310 | 1.23520 | -.06456 | .06426 | -.01500 | .00660 | .00590 | .67400 |
| | GRADIENT | .04622 | -.00013 | -.00062 | .04762 | -.00202 | -.00033 | .00038 | -.00016 | -.00021 | -.34517 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG073) ( 12 MAR 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | 10.000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | .000 | BDFLAP = | -11.700 |

RUN NO. 73/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.130 | -.11760 | .08930 | -.07080 | -.12650 | .07623 | .05577 | -.02400 | .00750 | .00730 | .44600 |
| .000 | -4.030 | -.01640 | .08420 | -.07280 | -.02230 | .08290 | .05531 | -.02400 | .00740 | .00690 | -.54800 |
| .000 | -1.890 | .07880 | .08200 | -.07400 | .07600 | .08457 | .05476 | -.02400 | .00730 | .00730 | 1.01000 |
| .000 | .160 | .17620 | .08240 | -.07650 | .17640 | .08194 | .05395 | -.02300 | .00700 | .00680 | .81100 |
| .000 | 2.280 | .27530 | .08560 | -.07750 | .27850 | .07458 | .05332 | -.02200 | .00670 | .00640 | .75400 |
| .000 | 4.360 | .36870 | 09180 | -.07690 | .37460 | .06353 | .05236 | -.02000 | .00570 | .00470 | .72700 |
| .000 | 6.510 | .46810 | .10320 | -.07830 | .47680 | .04947 | .05169 | -.01700 | .00470 | .00450 | .71200 |
| .000 | 8.570 | .57100 | .11910 | -.08270 | .58240 | .03263 | .05101 | -.01700 | .00480 | .00460 | .70400 |
| .000 | 10.710 | .68310 | .14440 | -.08830 | .69810 | .01500 | .05112 | -.01700 | .00490 | .00460 | .69800 |
| .000 | 12.810 | .79640 | .17620 | -.09080 | .81570 | -.00479 | .05245 | -.01600 | .00470 | .00470 | .69300 |
| .000 | 14.940 | .90940 | .21610 | -.09460 | .93440 | -.02575 | .05388 | -.01600 | .00500 | .00380 | .68900 |
| .000 | 17.070 | 1.02090 | .26500 | -.09710 | 1.05370 | -.04639 | .05648 | -.01700 | .00640 | .00340 | .68600 |
| .000 | 19.220 | 1.15060 | .33270 | -.10520 | 1.19600 | -.06452 | .06024 | -.01700 | .00680 | .00440 | .68400 |
| .000 | 21.340 | 1.26280 | .42920 | -.12040 | 1.33240 | -.05987 | .06687 | -.01700 | .00800 | .00560 | .68500 |
| | GRADIENT | .04614 | .00090 | -.00056 | .04755 | -.00232 | -.00035 | .00048 | -.00019 | -.00025 | .11012 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG074) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = 5.000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 71/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.280 | -.28130 | .10440 | .00520 | -.29100 | .07305 | .04902 | -.04000 | .01200 | .02440 | .65800 |
| .000 | -4.180 | -.18490 | .09490 | .00230 | -.19130 | .08118 | .04864 | -.04000 | .01180 | .02400 | .65600 |
| .000 | -2.080 | -.08820 | .08750 | .00170 | -.09130 | .08425 | .04789 | -.04100 | .01190 | .02380 | .65900 |
| .000 | .020 | .00720 | .08250 | -.00030 | .00730 | .08253 | .04778 | -.04200 | .01230 | .02340 | .67000 |
| .000 | 2.120 | .10860 | .08050 | -.00060 | .11150 | .07645 | .04680 | -.04300 | .01210 | .02310 | .65400 |
| .000 | 4.230 | .20550 | .08250 | -.00270 | .21110 | .06712 | .04629 | -.04200 | .01180 | .02320 | .65700 |
| .000 | 6.340 | .29930 | .08670 | -.00040 | .30710 | .05312 | .04528 | -.04100 | .01130 | .02170 | .65200 |
| .000 | 8.440 | .39980 | .09660 | -.00350 | .40960 | .03688 | .04494 | -.03900 | .01070 | .02140 | .65500 |
| .000 | 10.540 | .50060 | .11260 | -.00220 | .51280 | .01914 | .04517 | -.03800 | .01040 | .02100 | .65300 |
| .000 | 12.650 | .60900 | .13660 | -.00610 | .62410 | -.00014 | .04679 | -.04100 | .01170 | .02170 | .65500 |
| .000 | 14.790 | .72600 | .16990 | -.01130 | .74540 | -.02100 | .04889 | -.04300 | .01300 | .02010 | .65700 |
| .000 | 16.910 | .84830 | .21440 | -.01370 | .87390 | -.04173 | .05207 | -.04600 | .01500 | .02080 | .65800 |
| .000 | 19.050 | .96680 | .27060 | -.02060 | 1.00220 | -.05950 | .05558 | -.04500 | .01520 | .02290 | .65900 |
| .000 | 21.180 | 1.08650 | .34900 | -.02870 | 1.13920 | -.06720 | .06088 | -.04400 | .01520 | .02490 | .66100 |
| | GRADIENT | .04651 | -.00151 | -.00059 | .04794 | -.00171 | -.00028 | -.00029 | .00001 | -.00011 | -.00014 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG075) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = 10.000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 74/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.260 | -.27880 | .11050 | .00390 | -.28920 | .07952 | .04985 | -.05700 | .01780 | .03920 | .65700 |
| -.010 | -4.130 | -.18500 | .09980 | .00190 | -.19180 | .08619 | .05001 | -.05800 | .01780 | .03790 | .65600 |
| -.010 | -2.050 | -.09110 | .09250 | .00040 | -.09440 | .08924 | .04886 | -.06000 | .01820 | .03760 | .65300 |
| -.010 | .060 | .00660 | .08770 | -.00130 | .00670 | .08776 | .04884 | -.06200 | .01870 | .03770 | .72300 |
| -.010 | 2.150 | .10420 | .08530 | -.00150 | .10730 | .08133 | .04819 | -.06400 | .01890 | .03780 | .65700 |
| -.010 | 4.300 | .20310 | .08670 | -.00240 | .20910 | .07130 | .04746 | -.06400 | .01870 | .03770 | .65600 |
| -.010 | 6.340 | .29780 | .09190 | -.00260 | .30610 | .05848 | .04639 | -.06400 | .01850 | .03770 | .65500 |
| -.010 | 8.530 | .40120 | .10210 | -.00620 | .41190 | .04153 | .04679 | -.06500 | .01860 | .03810 | .65700 |
| -.010 | 10.570 | .50280 | .11900 | -.00800 | .51610 | .02478 | .04708 | -.06700 | .01930 | .03950 | .65800 |
| -.010 | 12.720 | .60540 | .14160 | -.01130 | .62170 | .00480 | .04745 | -.07200 | .02130 | .04090 | .65900 |
| -.010 | 14.820 | .73280 | .17860 | -.01750 | .75410 | -.01478 | .05000 | -.07400 | .02240 | .03920 | .66000 |
| -.010 | 16.960 | .84580 | .22010 | -.01760 | .87330 | -.03620 | .05279 | -.07700 | .02410 | .03870 | .65900 |
| -.010 | 19.050 | .96230 | .27500 | -.02400 | .99940 | -.05432 | .05559 | -.07500 | .02380 | .04170 | .66100 |
| -.010 | 21.220 | 1.07950 | .35230 | -.03010 | 1.13380 | -.06248 | .06023 | -.06900 | .02190 | .04360 | .66200 |
| | GRADIENT | .04613 | -.00158 | -.00050 | .04765 | -.00180 | -.00027 | -.00076 | .00012 | -.00001 | .00018 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG076) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 25.000 BDFLAP = -11.700

RUN NO. 76/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.270 | -.28490 | .10830 | .01170 | -.29510 | .07657 | .05286 | -.02000 | .00570 | .00920 | .66700 |
| .000 | -4.160 | -.18180 | .09800 | .00860 | -.18850 | .08458 | .05251 | -.02000 | .00530 | .00890 | .66900 |
| .000 | -2.070 | -.08770 | .09040 | .00790 | -.09090 | .08717 | .05226 | -.02000 | .00530 | .00860 | .68400 |
| .000 | .030 | .00700 | .08560 | .00730 | .00700 | .08567 | .05178 | -.02000 | .00560 | .00810 | .27100 |
| .000 | 2.130 | .10670 | .08460 | .00550 | .10980 | .08063 | .05058 | -.02000 | .00550 | .00750 | .63300 |
| .000 | 4.220 | .20140 | .08640 | .00540 | .20720 | .07135 | .04949 | -.02000 | .00550 | .00730 | .64200 |
| .000 | 6.360 | .30260 | .09160 | .00330 | .31090 | .05754 | .04878 | -.01800 | .00470 | .00720 | .64800 |
| .000 | 8.450 | .39870 | .10120 | .00360 | .40930 | .04157 | .04794 | -.01600 | .00390 | .00660 | .64900 |
| .000 | 10.550 | .49570 | .11620 | .00390 | .50870 | .02351 | .04802 | -.01400 | .00310 | .00550 | .64900 |
| .000 | 12.650 | .60080 | .13910 | .00360 | .61670 | .00413 | .04932 | -.01300 | .00310 | .00510 | .65000 |
| .000 | 14.780 | .72110 | .17360 | -.00060 | .74160 | -.01619 | .05188 | -.01500 | .00450 | .00360 | .65200 |
| .000 | 16.930 | .84310 | .21730 | -.00740 | .86980 | -.03771 | .05530 | -.01600 | .00560 | .00420 | .65500 |
| .000 | 19.040 | .96670 | .27410 | -.01190 | 1.00320 | -.05638 | .05922 | -.01300 | .00530 | .00530 | .65600 |
| .000 | 21.200 | 1.07950 | .35060 | -.02380 | 1.13320 | -.06361 | .06431 | -.01600 | .00740 | .00680 | .66000 |
| | GRADIENT | .04584 | -.00138 | -.00042 | .04733 | -.00157 | -.00037 | -.00000 | .00003 | -.00021 | -.00501 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG077) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 55.000 BDFLAP = -11.700

RUN NO. 78/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.270 | -.29260 | .12240 | .03140 | -.30430 | .08969 | .06143 | -.02000 | .00570 | .00870 | .69000 |
| .000 | -4.160 | -.19740 | .11220 | .02950 | -.20500 | .09764 | .06064 | -.02100 | .00570 | .00830 | .70500 |
| .000 | -2.060 | -.10370 | .10470 | .02830 | -.10740 | .10094 | .05999 | -.02000 | .00570 | .00790 | .74900 |
| .000 | .030 | -.00840 | .09960 | .02820 | -.00830 | .09969 | .05881 | -.02000 | .00570 | .00740 | 1.89300 |
| .000 | 2.140 | .08840 | .09790 | .02780 | .09200 | .09459 | .05742 | -.02100 | .00570 | .00720 | .54000 |
| .000 | 4.230 | .18250 | .09950 | .02630 | .18940 | .08581 | .05575 | -.02000 | .00530 | .00690 | .60100 |
| .000 | 6.350 | .28150 | .10430 | .02530 | .29130 | .07256 | .05442 | -.01900 | .00480 | .00680 | .62000 |
| .000 | 8.450 | .37960 | .11370 | .02560 | .39220 | .05668 | .05311 | -.01600 | .00390 | .00630 | .62800 |
| .000 | 10.540 | .47680 | .12810 | .02700 | .49220 | .03869 | .05308 | -.01400 | .00320 | .00510 | .63200 |
| .000 | 12.660 | .58200 | .15050 | .02530 | .60080 | .01918 | .05431 | -.01400 | .00340 | .00500 | .63600 |
| .000 | 14.770 | .69980 | .18390 | .02090 | .72350 | -.00067 | .05680 | -.01500 | .00460 | .00320 | .64100 |
| .000 | 16.920 | .82280 | .22690 | .01370 | .85320 | -.02234 | .06042 | -.01500 | .00530 | .00360 | .64600 |
| .000 | 19.050 | .94740 | .28430 | .00750 | .98830 | -.04046 | .06394 | -.01300 | .00490 | .00450 | .64900 |
| .000 | 21.190 | 1.06380 | .36200 | -.00340 | 1.12270 | -.04701 | .07002 | -.01700 | .00710 | .00620 | .65300 |
| | GRADIENT | .04537 | -.00153 | -.00033 | .04710 | -.00143 | -.00059 | .00005 | -.00004 | -.00017 | -.02005 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG078) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700

RUN NO. 80/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.260 | -.31420 | .13770 | .04900 | -.32740 | .10263 | .07843 | -.02000 | .00620 | .00900 | .70700 |
| .000 | -4.160 | -.21180 | .12650 | .04750 | -.22040 | .11081 | .07602 | -.02100 | .00610 | .00830 | .73100 |
| .000 | -2.060 | -.11930 | .11890 | .04570 | -.12350 | .11454 | .07339 | -.02100 | .00610 | .00820 | .78800 |
| .000 | .040 | -.02400 | .11390 | .04670 | -.02400 | .11401 | .07085 | -.02200 | .00640 | .00750 | 1.36900 |
| .000 | 2.130 | .06870 | .11220 | .04740 | .07280 | .10966 | .06825 | -.02000 | .00610 | .00710 | .41200 |
| .000 | 4.240 | .16340 | .11260 | .04720 | .17130 | .10022 | .06548 | -.02100 | .00610 | .00710 | .55000 |
| .000 | 6.350 | .26110 | .11730 | .04680 | .27250 | .08769 | .06262 | -.02000 | .00570 | .00690 | .58900 |
| .000 | 8.460 | .35870 | .12540 | .04690 | .37320 | .07131 | .06114 | -.01800 | .00490 | .00640 | .60600 |
| .000 | 10.560 | .45440 | .13950 | .04860 | .47230 | .05388 | .06026 | -.01600 | .00420 | .00520 | .61400 |
| .000 | 12.670 | .55980 | .16180 | .04840 | .58160 | .03506 | .06127 | -.01500 | .00420 | .00510 | .62100 |
| .000 | 14.810 | .67660 | .19470 | .04500 | .70390 | .01522 | .06302 | -.01600 | .00520 | .00360 | .62800 |
| .000 | 16.940 | .79700 | .23570 | .03670 | .83110 | -.00669 | .06670 | -.01600 | .00570 | .00410 | .63600 |
| .000 | 19.060 | .92410 | .29250 | .03140 | .96890 | -.02542 | .07022 | -.01400 | .00600 | .00520 | .64000 |
| .000 | 21.220 | 1.04050 | .35830 | .02080 | 1.10330 | -.03332 | .07623 | -.01900 | .00920 | .00670 | .64500 |
| | GRADIENT | .04471 | -.00164 | .00005 | .04667 | -.00124 | -.00125 | .00005 | .00000 | -.00017 | -.03510 |

OA172 B26C9PRIM16N24N28W116E43F8V8R5 X9 G15 (RFG079) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 82/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.260 | -.24630 | .09520 | -.01310 | -.25520 | .06777 | .04892 | -.02300 | .00720 | .00870 | .63300 |
| .000 | -4.150 | -.15150 | .08700 | -.01560 | -.15740 | .07585 | .04804 | -.02300 | .00690 | .00830 | .61500 |
| .000 | -2.040 | -.06230 | .08080 | -.01670 | -.06520 | .07859 | .04719 | -.02300 | .00700 | .00790 | .55700 |
| .000 | .030 | .03960 | .07720 | -.01660 | .03970 | .07717 | .04629 | -.02300 | .00700 | .00750 | .80700 |
| .000 | 2.140 | .13630 | .07670 | -.01770 | .13900 | .07161 | .04554 | -.02200 | .00660 | .00700 | .69900 |
| .000 | 4.250 | .23390 | .07890 | -.01860 | .23910 | .06140 | .04473 | -.02100 | .00620 | .00670 | .68000 |
| .000 | 6.330 | .33060 | .08510 | -.01840 | .33790 | .04811 | .04355 | -.02000 | .00560 | .00670 | .67200 |
| .000 | 8.480 | .43130 | .09620 | -.02010 | .44070 | .03156 | .04372 | -.01800 | .00510 | .00640 | .66900 |
| .000 | 10.540 | .51910 | .11010 | -.01840 | .53050 | .01331 | .04396 | -.01500 | .00400 | .00500 | .66500 |
| .000 | 12.660 | .62450 | .13620 | -.02100 | .64890 | -.00620 | .04557 | -.01600 | .00480 | .00490 | .66400 |
| .000 | 14.770 | .74500 | .16980 | -.02410 | .76360 | -.02581 | .04834 | -.01600 | .00560 | .00330 | .66300 |
| .000 | 16.930 | .87600 | .21740 | -.03110 | .90130 | -.04713 | .05208 | -.01700 | .00640 | .00390 | .66500 |
| .000 | 19.050 | 1.00150 | .27700 | -.03990 | 1.03700 | -.06514 | .05575 | -.01600 | .00660 | .00510 | .66600 |
| .000 | 21.220 | 1.11940 | .35940 | -.05030 | 1.17360 | -.07022 | .06090 | -.02000 | .00960 | .00680 | .66800 |
| | GRADIENT | .04620 | -.00097 | -.00033 | .04753 | -.00171 | -.00039 | .00024 | -.00009 | -.00020 | .01288 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG080) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300

RUN NO. 86/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.230 | -.21310 | .09340 | -.03360 | -.22200 | .06975 | .04837 | -.02400 | .00730 | .00890 | .59600 |
| .000 | -4.140 | -.11900 | .08530 | -.03440 | -.12480 | .07651 | .04876 | -.02400 | .00710 | .00830 | .55000 |
| .000 | -2.020 | -.02110 | .08050 | -.03680 | -.02390 | .07978 | .04777 | -.02300 | .00680 | .00800 | .08700 |
| .000 | .070 | .07760 | .07740 | -.03780 | .07770 | .07738 | .04760 | -.02200 | .00660 | .00730 | .83100 |
| .000 | 2.180 | .17330 | .07800 | -.03800 | .17610 | .07143 | .04697 | -.02100 | .00620 | .00700 | .73100 |
| .000 | 4.280 | .27120 | .08130 | -.04080 | .27650 | .06087 | .04641 | -.02000 | .00590 | .00670 | .70600 |
| .000 | 6.380 | .37000 | .08860 | -.04180 | .37750 | .04689 | .04638 | -.01800 | .00510 | .00660 | .69300 |
| .000 | 8.490 | .46990 | .10110 | -.04340 | .47970 | .03055 | .04713 | -.01600 | .00430 | .00590 | .68500 |
| .000 | 10.590 | .56830 | .11870 | -.04330 | .58050 | .01227 | .04785 | -.01500 | .00390 | .00510 | .67900 |
| .000 | 12.710 | .67690 | .14580 | -.04620 | .69240 | -.00669 | .04958 | -.01600 | .00460 | .00510 | .67600 |
| .000 | 14.830 | .79630 | .18410 | -.05130 | .81690 | -.02593 | .05193 | -.01600 | .00590 | .00350 | .67500 |
| .000 | 16.960 | .91770 | .23150 | -.05930 | .94530 | -.04627 | .05430 | -.01700 | .00660 | .00440 | .67500 |
| .000 | 19.120 | 1.04340 | .29550 | -.06470 | 1.08260 | -.06261 | .05778 | -.01600 | .00690 | .00530 | .67400 |
| .000 | 21.240 | 1.15570 | .37880 | -.07680 | 1.21450 | -.06573 | .06278 | -.01700 | .00820 | .00670 | .67500 |
| | GRADIENT | .04633 | -.00050 | -.00067 | .04765 | -.00188 | -.00026 | .00048 | -.00014 | -.00020 | .04531 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG081) ( 12 MAR 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | 10.000 |
| SPDBRK = | .000 | BDFLAP = | -11.700 |

RUN NO. 90/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.280 | -.27170 | .10290 | .00270 | -.28130 | .07258 | .05111 | .01000 | -.00870 | .01810 | .65500 |
| .000 | -4.160 | -.17520 | .09270 | .00020 | -.18150 | .07976 | .05092 | .01000 | -.00870 | .01730 | .65200 |
| .000 | -2.070 | -.07920 | .08540 | -.00040 | -.08220 | .08256 | .05060 | .01000 | -.00840 | .01680 | .65000 |
| .000 | .030 | .01690 | .08100 | -.00160 | .01700 | .08106 | .05009 | .00900 | -.00830 | .01610 | .68800 |
| .000 | 2.130 | .11330 | .07970 | -.00130 | .11620 | .07545 | .04888 | .00900 | -.00810 | .01550 | .65600 |
| .000 | 4.230 | .21060 | .08190 | -.00230 | .21610 | .06619 | .04821 | .00800 | -.00810 | .01510 | .65600 |
| .000 | 6.330 | .30830 | .08670 | -.00380 | .31590 | .05216 | .04726 | .00900 | -.00820 | .01460 | .65600 |
| .000 | 8.460 | .40460 | .09670 | -.00320 | .41440 | .03618 | .04676 | .01100 | -.00880 | .01380 | .65500 |
| .000 | 10.540 | .50700 | .11240 | -.00340 | .51900 | .01772 | .04722 | .01200 | -.00920 | .01260 | .65400 |
| .000 | 12.640 | .61010 | .13570 | -.00410 | .62500 | -.00115 | .04830 | .01300 | -.00890 | .01220 | .65400 |
| .000 | 14.780 | .73040 | .17070 | -.00780 | .74980 | -.02135 | .05050 | .01100 | -.00780 | .01040 | .65600 |
| .000 | 16.910 | .84960 | .21420 | -.01350 | .87520 | -.04216 | .05377 | .01000 | -.00670 | .01080 | .65800 |
| .000 | 19.060 | .97770 | .27340 | -.02010 | 1.01340 | -.06092 | .05742 | .01200 | -.00660 | .01210 | .65900 |
| .000 | 21.200 | 1.08950 | .35210 | -.02940 | 1.14310 | -.06575 | .06294 | .00900 | -.00480 | .01390 | .66100 |
| | GRADIENT | .04595 | -.00130 | -.00028 | .04736 | -.00163 | -.00034 | -.00024 | .00007 | -.00027 | .00067 |

OA172 B26C9PRIM16N24N28W116E43F8V8R5 X9 G15 (RFG082) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = -10.000
SPDBRK = .000 BDFLAP = -11.700

RUN NO. 94/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -6.290 | -.27180 | .10240 | .00230 | -.28140 | .07199 | .05079 | -.05400 | .02160 | -.00080 | .65500 |
| .000 | -4.160 | -.18240 | .09320 | .00000 | -.18870 | .07969 | .05032 | -.05300 | .02100 | -.00090 | .65200 |
| .000 | -2.090 | -.08050 | .08550 | -.00060 | -.08360 | .08250 | .04986 | -.05300 | .02100 | -.00090 | .64900 |
| .000 | .010 | .01500 | .08050 | -.00140 | .01500 | .08058 | .04977 | -.05200 | .02040 | -.00110 | .68800 |
| .000 | 2.120 | .11270 | .07910 | -.00190 | .11560 | .07491 | .04871 | -.05100 | .02000 | -.00120 | .65800 |
| .000 | 4.210 | .20960 | .08120 | -.00310 | .21500 | .06567 | .04771 | -.04900 | .01930 | -.00130 | .65700 |
| .000 | 6.320 | .30750 | .08670 | -.00340 | .31520 | .05228 | .04674 | -.04700 | .01810 | -.00110 | .65600 |
| .000 | 8.440 | .40640 | .09730 | -.00380 | .41630 | .03659 | .04603 | -.04400 | .01690 | -.00150 | .65500 |
| .000 | 10.540 | .50500 | .11230 | -.00340 | .51710 | .01801 | .04644 | -.04100 | .01600 | -.00240 | .65400 |
| .000 | 12.650 | .60940 | .13580 | -.00410 | .62440 | -.00098 | .04775 | -.04000 | .01590 | -.00230 | .65400 |
| .000 | 14.790 | .71950 | .16750 | -.00740 | .73850 | -.02179 | .04980 | -.04200 | .01680 | -.00350 | .65600 |
| .000 | 16.900 | .84910 | .21430 | -.01350 | .87470 | -.04192 | .05332 | -.04200 | .01730 | -.00310 | .65800 |
| .000 | 19.050 | .97380 | .27230 | -.02050 | 1.00930 | -.06045 | .05668 | -.04100 | .01760 | -.00200 | .65900 |
| .000 | 21.180 | 1.08890 | .35100 | -.02930 | 1.14210 | -.06616 | .06250 | -.04500 | .01980 | -.00040 | .66100 |
| | GRADIENT | .04664 | -.00145 | -.00036 | .04805 | -.00170 | -.00030 | .00048 | -.00021 | -.00005 | .00090 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG083) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 100/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.320 | -.28210 | .08680 | .03280 | -.28790 | .06534 | .05502 | -.00600 | .00150 | .00310 | .69400 |
| .000 | -2.150 | -.14720 | .07620 | .02790 | -.15000 | .07070 | .05409 | -.00600 | .00150 | .00280 | .72000 |
| .000 | .000 | -.02070 | .07000 | .02270 | -.02070 | .07005 | .05311 | -.00700 | .00190 | .00250 | 1.05500 |
| .000 | 2.170 | .10070 | .06720 | .01770 | .10320 | .06333 | .05108 | -.00700 | .00190 | .00220 | .58900 |
| .000 | 4.310 | .21700 | .06910 | .01340 | .22160 | .05260 | .04980 | -.00800 | .00190 | .00230 | .63000 |
| .000 | 6.470 | .33320 | .07520 | .00740 | .33950 | .03716 | .04792 | -.00700 | .00140 | .00260 | .64400 |
| .000 | 8.610 | .44470 | .08720 | .00260 | .45270 | .01964 | .04668 | -.00600 | .00080 | .00240 | .65000 |
| .000 | 10.760 | .55760 | .10450 | -.00150 | .56730 | -.00148 | .04639 | -.00700 | .00150 | .00230 | .65300 |
| .000 | 12.900 | .67780 | .13150 | -.00770 | .69010 | -.02320 | .04706 | -.00900 | .00280 | .00130 | .65600 |
| .000 | 15.070 | .80790 | .16970 | -.01700 | .82430 | -.04624 | .04832 | -.01100 | .00340 | .00030 | .65900 |
| .000 | 17.260 | .93030 | .21660 | -.02510 | .95270 | -.06919 | .04994 | -.01100 | .00370 | .00200 | .66200 |
| .000 | 19.420 | 1.06370 | .29020 | -.04120 | 1.09970 | -.08002 | .05257 | -.01800 | .00710 | .00260 | .66600 |
| .000 | 21.590 | 1.17970 | .37290 | -.05700 | 1.23410 | -.08752 | .05775 | -.00800 | .00190 | .00170 | .66900 |
| | GRADIENT | .05775 | -.00206 | -.00227 | .05896 | -.00152 | -.00062 | -.00023 | .00006 | -.00010 | -.01203 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG084) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -10.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 112/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.570 | -.50570 | .11450 | .11890 | -.51320 | .07387 | .04998 | -.00600 | .00210 | .00150 | .73700 |
| .000 | -.230 | -.23540 | .08160 | .11110 | -.23570 | .08069 | .04794 | -.00900 | .00220 | .00180 | .82500 |
| .000 | 4.080 | .00740 | .06850 | .10060 | .01220 | .06779 | .04545 | -.01100 | .00270 | .00170 | -2.36400 |
| .000 | 8.390 | .23950 | .07280 | .09080 | .24760 | .03708 | .04299 | -.00900 | .00230 | .00160 | .51700 |
| .000 | 12.690 | .47400 | .10610 | .07980 | .48570 | -.00068 | .04424 | -.00800 | .00190 | .00100 | .59100 |
| .000 | 17.020 | .72890 | .17500 | .05900 | .74820 | -.04610 | .04848 | -.01300 | .00450 | .00130 | .62300 |
| .000 | 21.350 | .98000 | .30610 | .03740 | 1.02410 | -.07181 | .05517 | -.00900 | .00260 | .00220 | .63800 |
| | GRADIENT | .05932 | -.00532 | -.00212 | .06074 | -.00070 | -.00052 | -.00058 | .00007 | .00002 | -.35806 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG085) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 109/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.460 | -.40750 | .09950 | .07920 | -.41400 | .06756 | .05239 | -.00600 | .00180 | .00320 | .72200 |
| .000 | -.110 | -.13370 | .07310 | .06880 | -.13390 | .07291 | .05012 | -.01000 | .00240 | .00340 | .84100 |
| .000 | 4.200 | .10820 | .06600 | .05880 | .11270 | .05791 | .04740 | -.00900 | .00230 | .00260 | .46000 |
| .000 | 8.510 | .33780 | .07710 | .04870 | .34550 | .02626 | .04446 | -.00800 | .00170 | .00240 | .60000 |
| .000 | 12.820 | .57280 | .11630 | .03710 | .58430 | -.01370 | .04532 | -.01000 | .00240 | .00200 | .62800 |
| .000 | 17.140 | .83380 | .19540 | .01600 | .85440 | -.05898 | .04892 | -.01400 | .00440 | .00210 | .64500 |
| .000 | 21.490 | 1.07760 | .33580 | -.00670 | 1.12570 | -.08244 | .05586 | -.01100 | .00330 | .00310 | .65400 |
| | GRADIENT | .05955 | -.00387 | -.00236 | .06083 | -.00111 | -.00058 | -.00035 | .00006 | -.00007 | -.03016 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG086) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 107/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.250 | -.19380 | .08090 | -.01300 | -.19930 | .06632 | .05844 | -.00400 | .00110 | .00060 | .62800 |
| .000 | .080 | .07200 | .06980 | -.02030 | .07210 | .06979 | .05517 | -.00700 | .00180 | .00080 | .75500 |
| .000 | 4.400 | .30920 | .07480 | -.03140 | .31400 | .05091 | .05123 | -.00500 | .00110 | .00000 | .68900 |
| .000 | 8.680 | .52540 | .09580 | -.03510 | .53390 | -.01541 | .04857 | -.00500 | .00110 | -.00010 | .67600 |
| .000 | 13.010 | .75560 | .14610 | -.04490 | .76910 | -.02781 | .04801 | -.00800 | .00230 | .00080 | .67300 |
| .000 | 17.340 | .99840 | .23570 | -.05900 | 1.02330 | -.07256 | .05022 | -.00900 | .00260 | .00040 | .67300 |
| .000 | 21.650 | 1.25460 | .40320 | -.09680 | 1.31480 | -.08828 | .05850 | -.00900 | .00220 | .00140 | .67900 |
| | GRADIENT | .05815 | -.00071 | -.00213 | .05934 | -.00178 | -.00083 | -.00012 | .00000 | -.00007 | .00708 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG087) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6900 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 10.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 110/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.150 | -.10270 | .07610 | -.04820 | -.10790 | .06855 | .06000 | -.00400 | .00100 | .00040 | .48800 |
| .000 | .170 | .15380 | .07020 | -.05510 | .15400 | .06978 | .05710 | -.00600 | .00120 | .00100 | .78400 |
| .000 | 4.480 | .38660 | .08020 | -.06430 | .39170 | .04977 | .05319 | -.00500 | .00050 | .00070 | .71200 |
| .000 | 8.780 | .61810 | .11130 | -.07940 | .62790 | .01560 | .05020 | -.00800 | .00180 | .00120 | .69800 |
| .000 | 13.090 | .86070 | .17220 | -.09340 | .87730 | -.02722 | .04906 | -.00800 | .00130 | .00090 | .69100 |
| .000 | 17.410 | 1.09340 | .26850 | -.09990 | 1.12360 | -.07098 | .04988 | -.00800 | .00170 | -.00090 | .68500 |
| | 21.770 | 1.35690 | .46820 | -.15960 | 1.43380 | -.06839 | .06287 | -.00900 | .00230 | -.00070 | .69300 |
| | GRADIENT | .05670 | .00047 | -.00187 | .05789 | -.00218 | -.00079 | -.00012 | -.00006 | .00003 | .02597 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG088) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = 5.000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 108/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.370 | -.30650 | .09150 | .03510 | -.31260 | .06784 | .05485 | -.02200 | .00660 | .02070 | .69300 |
| .000 | -.020 | -.03680 | .07190 | .02570 | -.03680 | .07197 | .05261 | -.02800 | .00780 | .01980 | .90900 |
| .000 | 4.290 | .20390 | .06990 | .01660 | .20860 | .05450 | .04934 | -.03000 | .00800 | .01970 | .62200 |
| .000 | 8.590 | .42580 | .08630 | .00860 | .43390 | .02174 | .04660 | -.02900 | .00800 | .01800 | .64400 |
| .000 | 12.880 | .66250 | .13100 | -.00290 | .67510 | -.02001 | .04670 | -.03600 | .01050 | .01820 | .65300 |
| .000 | 17.230 | .91590 | .21570 | -.02180 | .93870 | -.06532 | .05009 | -.04000 | .01240 | .01710 | .66000 |
| | 21.570 | 1.16080 | .37720 | -.05480 | 1.21820 | -.07600 | .05824 | -.01800 | .00210 | .01970 | .66800 |
| | GRADIENT | .05894 | -.00250 | -.00214 | .06019 | -.00154 | -.00064 | -.00092 | .00016 | -.00012 | -.00811 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG089) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = 10.000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 111/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.340 | -.30450 | .09630 | .03370 | -.31090 | .07300 | .05636 | -.03700 | .01130 | .03450 | .69200 |
| .000 | -.020 | -.03680 | .07670 | .02570 | -.03690 | .07676 | .05446 | -.04700 | .01360 | .03460 | .90800 |
| .000 | 4.300 | .20340 | .07500 | .01610 | .20840 | .05959 | .05140 | -.05100 | .01420 | .03460 | .62300 |
| .000 | 8.590 | .43330 | .09260 | .00390 | .44230 | .02678 | .04866 | -.05500 | .01550 | .03560 | .64900 |
| .000 | 12.900 | .67510 | .13930 | -.01120 | .68920 | -.01493 | .04845 | -.06400 | .01850 | .03700 | .65800 |
| .000 | 17.230 | .91500 | .22310 | -.02180 | .94000 | -.05796 | .05068 | -.06900 | .02100 | .03490 | .66000 |
| .000 | 21.570 | 1.16380 | .38530 | -.05730 | 1.22400 | -.06956 | .05926 | -.04100 | .00770 | .03820 | .66900 |
| | GRADIENT | .05978 | -.00247 | -.00204 | .06010 | -.00155 | -.00057 | -.00162 | .00034 | .00001 | -.00799 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG090) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 25.000 BDFLAP = -11.700
H/BW = .178

RUN NO. 113/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.340 | -.30350 | .09430 | .04100 | -.30980 | .07109 | .05824 | -.00400 | .00060 | .00340 | .70100 |
| .000 | .000 | -.03140 | .07570 | .03390 | -.03140 | .07578 | .05584 | -.00500 | .00080 | .00240 | 1.04800 |
| .000 | 3.240 | .14770 | .07320 | .02410 | .15160 | .06481 | .05319 | -.00500 | .00050 | .00230 | .59300 |
| .000 | 8.620 | .43300 | .09190 | .01120 | .44190 | .02595 | .04906 | -.00500 | .00040 | .00260 | .64200 |
| .000 | 12.900 | .66040 | .13520 | .00280 | .67390 | -.01568 | .04937 | -.00700 | .00140 | .00210 | .65000 |
| .000 | 17.230 | .91480 | .21950 | -.01640 | .93880 | -.06149 | .05263 | -.01100 | .00370 | .00180 | .65800 |
| .000 | 21.580 | 1.15740 | .36810 | -.04580 | 1.21170 | -.08355 | .06020 | -.00500 | .00050 | .00290 | .66600 |
| | GRADIENT | .05970 | -.00287 | -.00220 | .06105 | -.00072 | -.00066 | -.00014 | -.00001 | -.00015 | -.00907 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 - (RFG091) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 55.000 BDFLAP = -11.700
H/BW = .178

RUN NO. 116/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.340 | -.32400 | .11020 | .06590 | -.33140 | .08533 | .06672 | -.00300 | .00020 | .00340 | .72500 |
| -.010 | .000 | -.05070 | .09070 | .05600 | -.05070 | .09078 | .06388 | -.00600 | .00070 | .00250 | 1.05800 |
| -.010 | 4.310 | .18550 | .08880 | .04600 | .19160 | .07464 | .05924 | -.00600 | .00080 | .00240 | .56300 |
| -.010 | 8.610 | .41400 | .10510 | .03650 | .42510 | .04190 | .05525 | -.00600 | .00060 | .00280 | .62000 |
| -.010 | 12.890 | .63210 | .14490 | .02830 | .64850 | .00021 | .05538 | -.00700 | .00140 | .00220 | .63600 |
| -.010 | 17.230 | .85990 | .23040 | .00520 | .92780 | -.04657 | .05883 | -.01300 | .00390 | .00190 | .65000 |
| -.010 | 21.600 | 1.14640 | .38140 | -.02410 | 1.20640 | -.06741 | .06641 | -.00600 | .00090 | .00250 | .65900 |
| | GRADIENT | .05891 | -.00248 | -.00230 | .06047 | -.00123 | -.00086 | -.00035 | .00007 | -.00012 | -.01862 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG092) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700
H/BW = .178

RUN NO. 117/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.330 | -.34320 | .12620 | .08930 | -.35170 | .09996 | .07913 | -.00400 | .00100 | .00350 | .74500 |
| .000 | .000 | -.06960 | .10580 | .07630 | -.06960 | .10581 | .07505 | -.00600 | .00110 | .00230 | 1.05500 |
| .000 | 4.310 | .16520 | .10310 | .06990 | .17250 | .09040 | .06873 | -.00700 | .00170 | .00210 | .50300 |
| .000 | 8.600 | .39230 | .11830 | .05810 | .40560 | .05833 | .06284 | -.00600 | .00130 | .00250 | .59900 |
| .000 | 12.900 | .62080 | .15960 | .05080 | .64080 | .01695 | .06235 | -.00800 | .00250 | .00200 | .62300 |
| .000 | 17.230 | .87600 | .24110 | .03070 | .90810 | -.02918 | .06601 | -.01200 | .00450 | .00170 | .63900 |
| .000 | 21.580 | 1.12100 | .38950 | -.00220 | 1.18570 | -.05007 | .07298 | -.00700 | .00250 | .00220 | .65300 |
| | GRADIENT | .05885 | -.00268 | -.00225 | .06067 | -.00110 | -.00120 | -.00035 | .00008 | -.00016 | -.02793 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG093) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = 10.000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 119/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.340 | -.30060 | .08980 | .03450 | -.30650 | .06681 | .05693 | .03100 | -.01560 | .01320 | .69300 |
| .000 | .020 | -.02470 | .07130 | .02400 | -.02470 | .07138 | .05409 | .02700 | -.01430 | .01150 | 1.01000 |
| .000 | 4.300 | .21150 | .07030 | .01450 | .21620 | .05428 | .05031 | .02500 | -.01320 | .01090 | .62700 |
| .000 | 8.640 | .44220 | .08800 | .00450 | .45040 | .02060 | .04802 | .02400 | -.01290 | .01090 | .64800 |
| .000 | 12.900 | .65600 | .12950 | -.00370 | .66840 | -.02019 | .04742 | .02100 | -.01130 | .00970 | .65400 |
| .000 | 17.230 | .92420 | .21780 | -.02120 | .94730 | -.06577 | .05021 | .01600 | -.00840 | .00920 | .66000 |
| .000 | 21.550 | 1.16310 | .36850 | -.04910 | 1.21720 | -.08452 | .05718 | .02100 | -.01020 | .00990 | .66700 |
| | GRADIENT | .05928 | -.00226 | -.00232 | .06051 | -.00144 | -.00077 | -.00070 | .00028 | -.00027 | -.00739 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG094) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = -10.000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 123/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.350 | -.29030 | .09160 | .03750 | -.29640 | .06936 | .05663 | -.02900 | .01250 | -.00420 | .69800 |
| .000 | -.010 | -.02440 | .07420 | .02690 | -.02440 | .07425 | .05458 | -.03200 | .01290 | -.00510 | 1.05700 |
| .000 | 4.290 | .20720 | .07230 | .01740 | .21200 | .05662 | .05058 | -.03100 | .01280 | -.00480 | .62200 |
| .000 | 8.590 | .43390 | .08980 | .00750 | .44250 | .02397 | .04753 | -.03000 | .01180 | -.00410 | .64500 |
| .000 | 12.880 | .66750 | .13440 | .00030 | .68080 | -.01784 | .04783 | -.03200 | .01300 | -.00410 | .65200 |
| .000 | 17.200 | .91980 | .22080 | -.01640 | .94390 | -.06110 | .05100 | -.03500 | .01420 | -.00340 | .65800 |
| .000 | 21.550 | 1.16480 | .37370 | -.04530 | 1.22060 | -.08041 | .05816 | -.02900 | .01110 | -.00270 | .66500 |
| | GRADIENT | .05759 | -.00224 | -.00233 | .05885 | -.00147 | -.00070 | -.00023 | .00003 | -.00007 | -.00865 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG095) ( 12 MAR 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 | IN.XO | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 | IN.YO | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 | IN.ZO | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | .000 | BDFLAP = | .000 |
| H/BW = | .178 | | |

RUN NO. 127/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.310 | -.25480 | .08330 | .01580 | -.26030 | .06388 | .05365 | -.00300 | .00010 | .00260 | .67400 |
| .000 | .010 | .00620 | .06870 | .00700 | .00630 | .06873 | .05056 | -.00600 | .00100 | .00230 | .24200 |
| .000 | 4.320 | .24440 | .06900 | -.00380 | .24890 | .05040 | .04725 | -.00600 | .00100 | .00230 | .65700 |
| .000 | 8.630 | .47260 | .08840 | -.01430 | .48050 | .01649 | .04461 | -.00700 | .00090 | .00250 | .68300 |
| .000 | 12.900 | .70060 | .13580 | -.02340 | .71320 | -.02406 | .04642 | -.00900 | .00210 | .00210 | .66400 |
| .000 | 17.250 | .95810 | .22600 | -.04210 | .98200 | -.06833 | .04950 | -.01100 | .00330 | .00230 | .66800 |
| | 21.600 | 1.20240 | .38450 | -.07490 | 1.25950 | -.08526 | .05617 | -.00500 | .00050 | .00340 | .67400 |
| | GRADIENT | .05785 | -.00166 | -.00227 | .05900 | -.00156 | -.00074 | -.00035 | .00010 | -.00003 | -.00201 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG096) ( 12 MAR 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 | IN.XO | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 | IN.YO | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 | IN.ZO | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | .000 | BDFLAP = | 16.300 |
| H/BW = | .178 | | |

RUN NO. 131/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.260 | -.22120 | .08070 | -.00490 | -.22660 | .06407 | .05460 | -.00400 | .00030 | .00310 | .64400 |
| .000 | .070 | .05230 | .06770 | -.01710 | .05230 | .06766 | .05146 | -.00500 | .00050 | .00280 | .77200 |
| .000 | 4.380 | .29300 | .07150 | -.03000 | .29760 | .04893 | .04859 | -.00500 | .00060 | .00250 | .68900 |
| .000 | 8.700 | .52380 | .09480 | -.04410 | .53210 | .01448 | .04831 | -.00600 | .00050 | .00300 | .68200 |
| .000 | 12.980 | .75730 | .14780 | -.05550 | .77120 | -.02610 | .04902 | -.00800 | .00210 | .00170 | .67800 |
| .000 | 17.320 | 1.01390 | .24520 | -.07770 | 1.04100 | -.06777 | .05251 | -.01000 | .00270 | .00220 | .67900 |
| | 21.670 | 1.25810 | .41200 | -.11230 | 1.32130 | -.08175 | .05730 | -.00600 | .00080 | .00260 | .68300 |
| | GRADIENT | .05952 | -.00107 | -.00291 | .06067 | -.00175 | -.00070 | -.00012 | .00003 | -.00007 | .00523 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG097) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300
H/BW = .125

RUN NO. 135/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.180 | .12190 | .06530 | -.01130 | .12330 | .06283 | .05072 | -.00500 | .00060 | .00270 | .68600 |
| .000 | 4.420 | .31720 | .06910 | -.02750 | .32160 | .04443 | .04826 | -.00300 | .00000 | .00260 | .68300 |
| .000 | 8.750 | .56240 | .09320 | -.04760 | .57000 | .00652 | .04786 | -.00500 | .00060 | .00250 | .68300 |
| .000 | 13.060 | .81300 | .15170 | -.06880 | .82630 | -.03597 | .04880 | -.00600 | .00080 | .00070 | .68200 |
| .000 | 17.420 | 1.08040 | .25820 | -.09540 | 1.10810 | -.07716 | .05130 | -.00500 | .00090 | .00210 | .68300 |
| .000 | 21.790 | 1.33760 | .45260 | -.14900 | 1.41010 | -.07638 | .05623 | .00100 | -.00370 | .00060 | .69100 |
| | GRADIENT | .06028 | .00117 | -.00500 | .06120 | -.00568 | -.00076 | .00062 | -.00019 | -.00003 | -.00093 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG098) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000
H/BW = .125

RUN NO. 139/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.130 | .06420 | .06570 | .01870 | .06550 | .06445 | .04990 | -.00400 | .00020 | .00260 | .54700 |
| .000 | 4.380 | .25500 | .06590 | .00530 | .25930 | .04620 | .04725 | -.00300 | .00000 | .00230 | .64400 |
| .000 | 9.770 | .55920 | .09500 | -.01600 | .56720 | -.00124 | .04472 | -.00400 | .00000 | .00250 | .66200 |
| .000 | 13.010 | .73880 | .13450 | -.02800 | .75010 | -.03524 | .04538 | -.00600 | .00100 | .00150 | .66600 |
| .000 | 17.370 | 1.01370 | .23520 | -.05250 | 1.03780 | -.07811 | .04865 | -.00600 | .00090 | .00190 | .67000 |
| .000 | 21.740 | 1.27980 | .42130 | -.10900 | 1.34480 | -.08293 | .05737 | -.00100 | -.00230 | .00110 | .68200 |
| | GRADIENT | .05871 | .00006 | -.00412 | .05963 | -.00562 | -.00082 | .00031 | -.00006 | -.00009 | .02985 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG099) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 143/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.080 | .02020 | .06890 | .03780 | .02150 | .06852 | .05261 | -.00600 | -.00020 | .00280 | .00500 |
| .000 | 2.180 | .09300 | .06580 | .03520 | .09540 | .06226 | .05139 | -.00500 | -.00040 | .00260 | .51600 |
| .000 | 4.340 | .21900 | .06720 | .02580 | .22340 | .05052 | .04933 | -.00400 | -.00060 | .00260 | .60900 |
| .000 | 6.500 | .34450 | .07290 | .01280 | .35080 | .03337 | .04744 | -.00500 | -.00070 | .00320 | .63800 |
| .000 | 8.670 | .46310 | .08410 | .00920 | .47040 | .01338 | .04617 | -.00600 | -.00090 | .00340 | .64500 |
| .000 | 10.820 | .57360 | .10120 | .00360 | .58240 | -.00831 | .04601 | -.00600 | -.00030 | .00310 | .65000 |
| .000 | 12.960 | .70470 | .13110 | -.00500 | .71610 | -.03029 | .04551 | -.00700 | .00030 | .00220 | .65400 |
| .000 | 15.160 | .82950 | .16800 | -.01350 | .84460 | -.05477 | .04619 | -.00700 | .00080 | .00150 | .65800 |
| .000 | 17.310 | .96520 | .22250 | -.02510 | .98770 | -.07472 | .04733 | -.00900 | .00130 | .00240 | .66100 |
| .000 | 19.490 | 1.09490 | .29700 | -.04250 | 1.13130 | -.08535 | .05028 | -.01200 | .00350 | .00390 | .66500 |
| .000 | 21.680 | 1.23310 | .40330 | -.07780 | 1.29490 | -.08094 | .05787 | -.00100 | -.00320 | .00110 | .67400 |
| | GRADIENT | .06061 | -.00036 | -.00377 | .06156 | -.00551 | -.00100 | .00059 | -.00012 | -.00005 | .16554 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG100) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -10.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 154/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | .860 | -.19610 | .07900 | .13110 | -.19480 | .08197 | .04917 | -.00600 | -.00010 | .00430 | .89900 |
| .000 | 4.110 | .00320 | .06800 | .11780 | .00800 | .06759 | .04659 | -.00600 | -.00030 | .00370 | -4.70600 |
| .000 | 8.430 | .24900 | .07200 | .10500 | .25690 | .03473 | .04350 | -.00300 | -.00110 | .00350 | .50100 |
| .000 | 12.750 | .49950 | .10660 | .08490 | .51070 | -.00625 | .04465 | -.00300 | -.00150 | .00280 | .59100 |
| .000 | 17.120 | .77440 | .18350 | .05880 | .79420 | -.05262 | .04811 | -.00800 | .00110 | .00350 | .62500 |
| .000 | 21.460 | 1.01610 | .31630 | .03560 | 1.06140 | -.07738 | .05320 | -.00300 | -.00140 | .00280 | .63900 |
| | GRADIENT | .06132 | -.00338 | -.00409 | .06240 | -.00442 | -.00079 | -.00000 | -.00006 | -.00018 | -1.72462 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG101) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 151/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | .950 | -.09600 | .07260 | .08870 | -.09480 | .07422 | .05053 | -.00500 | -.00040 | .00450 | .99600 |
| .000 | 4.210 | .10600 | .06560 | .07500 | .11050 | .05772 | .04768 | -.00400 | -.00120 | .00350 | .40200 |
| .000 | 8.520 | .35240 | .07570 | .05900 | .35970 | .02270 | .04530 | -.00400 | -.00160 | .00360 | .59100 |
| .000 | 12.840 | .60120 | .11680 | .04050 | .61210 | -.01975 | .04536 | -.00500 | -.00060 | .00230 | .62700 |
| .000 | 17.190 | .87010 | .20110 | .01650 | .89070 | -.06517 | .04764 | -.00800 | .00130 | .00250 | .64500 |
| .000 | 21.540 | 1.11380 | .34440 | -.00960 | 1.16250 | -.08872 | .05359 | -.00500 | -.00130 | .00320 | .65500 |
| | GRADIENT | .06196 | -.00215 | -.00420 | .06298 | -.00506 | -.00087 | .00031 | -.00025 | -.00031 | -.18221 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG102) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 149/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.180 | .12070 | .06950 | -.00640 | .12210 | .06704 | .05422 | -.00200 | -.00080 | .00080 | .67100 |
| .000 | 4.430 | .32000 | .07280 | -.02020 | .32470 | .04785 | .05173 | -.00300 | -.00120 | .00010 | .67500 |
| .000 | 8.720 | .54700 | .09430 | -.02920 | .55500 | .01027 | .04780 | -.00300 | -.00080 | .00010 | .67100 |
| .000 | 13.030 | .79120 | .14810 | -.04290 | .80420 | -.03407 | .04671 | -.00400 | -.00060 | .00070 | .67100 |
| .000 | 17.380 | 1.04810 | .24630 | -.06180 | 1.07380 | -.07802 | .04737 | -.00400 | -.00030 | .00040 | .67300 |
| .000 | 21.750 | 1.31300 | .43720 | -.11950 | 1.38160 | -.08059 | .05871 | .00000 | -.00330 | .00000 | .68400 |
| | GRADIENT | .06132 | .00102 | -.00425 | .06234 | -.00590 | -.00077 | -.00031 | -.00012 | -.00022 | .00123 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG103) ( 12 MAR 78 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 10.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 152/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.260 | .19480 | .07340 | -.04130 | .19640 | .06909 | .05636 | -.00800 | -.00010 | .00330 | .72900 |
| .000 | 4.500 | .39250 | .07890 | -.05240 | .39750 | .04788 | .05319 | -.00600 | -.00070 | .00230 | .70000 |
| .000 | 8.820 | .63470 | .10930 | -.07050 | .64400 | .01072 | .04903 | -.00700 | .00000 | .00330 | .69200 |
| .000 | 13.140 | .88250 | .17190 | -.08610 | .89850 | -.03321 | .04675 | -.00500 | -.00120 | .00170 | .68700 |
| .000 | 17.480 | 1.11760 | .27050 | -.10030 | 1.14730 | -.07771 | .04801 | -.00500 | -.00020 | .00000 | .68400 |
| .000 | 21.840 | 1.38930 | .47350 | -.16120 | 1.46580 | -.07745 | .06025 | -.00500 | -.00090 | -.00020 | .69200 |
| | GRADIENT | .06102 | .00170 | -.00343 | .06207 | -.00655 | -.00098 | .00062 | -.00019 | -.00031 | -.00895 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG104) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = 5.000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 150/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.060 | .00630 | .07160 | .04200 | .00760 | .07155 | .05286 | -.02400 | .00310 | .02120 | -1.36200 |
| .000 | 4.330 | .20750 | .06940 | .03010 | .21220 | .05352 | .04943 | -.02500 | .00230 | .02070 | .60000 |
| .000 | 8.610 | .44110 | .08460 | .01830 | .44880 | .01761 | .04649 | -.02400 | .00190 | .01880 | .63700 |
| .000 | 12.950 | .69820 | .13270 | -.00180 | .71020 | -.02722 | .04679 | -.03000 | .00410 | .01920 | .65300 |
| .000 | 17.290 | .95430 | .22300 | -.02050 | .97750 | -.07072 | .04799 | -.03400 | .00520 | .01960 | .66000 |
| .000 | 21.660 | 1.20910 | .39190 | -.06580 | 1.26840 | -.08210 | .05683 | -.00800 | -.00830 | .02320 | .67100 |
| | GRADIENT | .06153 | -.00067 | -.00364 | .06257 | -.00551 | -.00105 | -.00031 | -.00024 | -.00015 | .60000 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG105) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = 10.000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 153/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.070 | .00660 | .07510 | .04250 | .00800 | .07501 | .05485 | -.04500 | .00870 | .03620 | -1.28400 |
| .000 | 4.330 | .20820 | .07310 | .02920 | .21310 | .05723 | .05218 | -.04800 | .00760 | .03590 | .60100 |
| .000 | 8.650 | .44840 | .09050 | .01290 | .45690 | .02209 | .04852 | -.05300 | .00810 | .03790 | .64100 |
| .000 | 12.950 | .70460 | .14040 | -.00770 | .71820 | -.02120 | .04791 | -.06000 | .00900 | .03870 | .65600 |
| .000 | 17.300 | .94690 | .22750 | -.02150 | .97170 | -.06448 | .04865 | -.06100 | .01000 | .03740 | .66000 |
| .000 | 21.650 | 1.20220 | .39540 | -.05370 | 1.26330 | -.07610 | .05785 | -.03000 | -.00610 | .04240 | .67000 |
| | GRADIENT | .06184 | -.00061 | -.00408 | .06291 | -.00545 | -.00082 | -.00092 | -.00034 | -.00009 | .57822 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG106) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 25.000 BDFLAP = -11.700
H/BW = .125

RUN NO. 155/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.080 | .01470 | .07450 | .04770 | .01610 | .07427 | .05604 | -.00300 | -.00130 | .00340 | -.43300 |
| .000 | 4.320 | .21100 | .07280 | .03440 | .21590 | .05675 | .05299 | -.00300 | -.00170 | .00310 | .59300 |
| .000 | 8.640 | .45290 | .09030 | .01870 | .46130 | .02125 | .04928 | -.00300 | -.00250 | .00370 | .63700 |
| .000 | 12.950 | .69870 | .13580 | .00140 | .71140 | -.02425 | .04868 | -.00700 | .00020 | .00290 | .65100 |
| .000 | 17.290 | .95870 | .22520 | -.02040 | .98230 | -.06999 | .05086 | -.00900 | .00040 | .00300 | .65900 |
| .000 | 21.670 | 1.21510 | .39080 | -.06090 | 1.27350 | -.08560 | .06106 | .00200 | -.00530 | .00260 | .66900 |
| | GRADIENT | .06059 | -.00052 | -.00410 | .06167 | -.00541 | -.00094 | -.00000 | -.00012 | -.00009 | .31667 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG107) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 55.000 BDFLAP = -11.700
H/BW = .125

RUN NO. 157/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.080 | -.00680 | .08970 | .07010 | -.00510 | .08983 | .06378 | -.00500 | -.00060 | .00340 | 5.71000 |
| .000 | 4.320 | .19080 | .08770 | .05870 | .19690 | .07309 | .05994 | -.00400 | -.00120 | .00300 | .54200 |
| .000 | 8.630 | .43240 | .10340 | .04320 | .44300 | .03733 | .05533 | -.00400 | -.00180 | .00370 | .61600 |
| .000 | 12.950 | .67890 | .14810 | .02550 | .69480 | -.00784 | .05479 | -.00800 | .00000 | .00330 | .63800 |
| .000 | 17.300 | .94140 | .23610 | .00240 | .96910 | -.05453 | .05710 | -.00800 | .00080 | .00310 | .65100 |
| | GRADIENT | .06099 | -.00062 | -.00352 | .06235 | -.00517 | -.00119 | .00031 | -.00019 | -.00012 | -1.59506 |

0A172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG108) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700
H/BW = .125

RUN NO. 159/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.080 | -.02050 | .10390 | .09170 | -.01860 | .10429 | .07383 | -.00500 | -.00010 | .00290 | 2.46400 |
| .000 | 4.320 | .17160 | .10110 | .07890 | .17880 | .08787 | .06897 | -.00500 | -.00070 | .00270 | .48900 |
| .000 | 8.650 | .41230 | .11600 | .06390 | .42510 | .05274 | .06349 | -.00500 | -.00150 | .00320 | .59600 |
| .000 | 12.950 | .65470 | .15880 | .04860 | .67360 | .00804 | .06193 | -.00900 | .00050 | .00290 | .62500 |
| .000 | 17.310 | .92150 | .24670 | .02510 | .95320 | -.03869 | .06462 | -.01000 | .00160 | .00290 | .64200 |
| | 21.680 | 1.17010 | .39790 | -.01290 | 1.23430 | -.06249 | .07311 | -.00800 | -.00040 | .00290 | .65600 |
| | GRADIENT | .05929 | -.00086 | -.00395 | .06093 | -.00507 | -.00150 | .00000 | -.00019 | -.00006 | -.60957 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG109) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = 10.000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 161/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.080 | .02020 | .07020 | .03840 | .02160 | .06981 | .05425 | .02700 | -.01520 | .01220 | -.00100 |
| .000 | 4.330 | .21930 | .05880 | .02650 | .22390 | .05211 | .05087 | .02600 | -.01580 | .01150 | .60800 |
| .000 | 8.640 | .46030 | .08630 | .01050 | .46810 | .01614 | .04803 | .02500 | -.01600 | .01160 | .64400 |
| .000 | 12.950 | .70400 | .13160 | -.00570 | .71560 | -.02951 | .04728 | .02000 | -.01350 | .01060 | .65500 |
| .000 | 17.310 | .95220 | .22130 | -.02610 | .98450 | -.07498 | .04860 | .01700 | -.01240 | .01060 | .66200 |
| .000 | 21.660 | 1.21470 | .38760 | -.06580 | 1.27200 | -.08819 | .05762 | .03000 | -.01970 | .01040 | .67100 |
| | GRADIENT | .06126 | -.00043 | -.00366 | .06225 | -.00545 | -.00104 | -.00031 | -.00018 | -.00022 | .18738 |

OA172 B26C9PR1M16N24N28W116E43F8V8R5 X9 G15 (RFG110) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = -10.000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 165/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CAB | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.080 | .02390 | .06950 | .03820 | .02520 | .06907 | .05405 | -.03500 | .01260 | -.00530 | .09500 |
| .000 | 4.320 | .21900 | .06850 | .02540 | .22360 | .05182 | .05075 | -.03300 | .01160 | -.00500 | .61000 |
| .000 | 8.640 | .46320 | .08650 | .00960 | .47090 | .01595 | .04802 | -.03100 | .01060 | -.00430 | .64400 |
| .000 | 12.970 | .70610 | .13200 | -.00570 | .71780 | -.02985 | .04681 | -.03400 | .01230 | -.00430 | .65500 |
| .000 | 17.290 | .96530 | .22270 | -.02610 | .98790 | -.07432 | .04846 | -.03400 | .01290 | -.00390 | .66200 |
| .000 | 21.670 | 1.23360 | .40080 | -.07520 | 1.29440 | -.08315 | .05921 | -.03600 | .01400 | -.00610 | .67300 |
| | GRADIENT | .06022 | -.00031 | -.00395 | .06123 | -.00532 | -.00102 | .00062 | -.00031 | .00009 | .15898 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG111) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 169/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.130 | .08700 | .07930 | -.01070 | .08850 | .07758 | -.00800 | -.00030 | .00300 | .69600 |
| .000 | 2.210 | .15420 | .07810 | -.01390 | .15710 | .07211 | -.00700 | -.00010 | .00290 | .68400 |
| .000 | 4.360 | .27760 | .07960 | -.01900 | .28280 | .05827 | -.00600 | -.00030 | .00280 | .67700 |
| .000 | 6.510 | .39770 | .08580 | -.02590 | .40480 | .04014 | -.00700 | -.00070 | .00320 | .67500 |
| .000 | 8.670 | .51410 | .09830 | -.03250 | .52300 | .01964 | -.00600 | -.00130 | .00350 | .67500 |
| .000 | 10.820 | .63280 | .11740 | -.03850 | .64360 | -.00346 | -.00900 | -.00010 | .00400 | .67400 |
| .000 | 12.980 | .76090 | .14740 | -.05000 | .77460 | -.02729 | -.00900 | .00070 | .00280 | .67600 |
| .000 | 15.150 | .89630 | .18890 | -.06360 | .91450 | -.05207 | -.01100 | .00130 | .00200 | .67700 |
| .000 | 17.340 | 1.02510 | .24190 | -.07500 | 1.05060 | -.07466 | -.01100 | .00090 | .00300 | .67800 |
| .000 | 19.520 | 1.16200 | .32150 | -.09590 | 1.20260 | -.08520 | -.01700 | .00380 | .00430 | .68100 |
| | 21.700 | 1.29610 | .43130 | -.13230 | 1.36380 | -.07863 | -.00600 | -.00210 | .00070 | .68800 |
| | GRADIENT | .05878 | .00018 | -.00254 | .05992 | -.00604 | .00060 | -.00001 | -.00006 | -.00551 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG112) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -10.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 180/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | .900 | -.13330 | .09180 | .09210 | -.13180 | .09392 | -.00900 | .00190 | .00340 | .90900 |
| .000 | 1.980 | -.06870 | .08710 | .08860 | -.06560 | .08948 | -.00900 | .00200 | .00320 | 1.14900 |
| .000 | 4.140 | .05490 | .08170 | .08460 | .06070 | .07753 | -.00900 | .00150 | .00270 | .13900 |
| .000 | 6.310 | .17680 | .08150 | .08030 | .18470 | .06164 | -.00700 | .00110 | .00260 | .49200 |
| .000 | 8.480 | .29380 | .08750 | .07530 | .30350 | .04322 | -.00700 | .00140 | .00310 | .56000 |
| .000 | 10.610 | .41460 | .10150 | .06770 | .42620 | .02336 | -.00700 | .00150 | .00350 | .59300 |
| .000 | 12.820 | .54700 | .12560 | .05350 | .56130 | .00101 | -.00800 | .00150 | .00240 | .61700 |
| .000 | 14.940 | .68310 | .15880 | .03560 | .70090 | -.02275 | -.01000 | .00260 | .00220 | .63300 |
| .000 | 17.140 | .81690 | .20300 | .01990 | .84050 | -.04668 | -.01000 | .00330 | .00290 | .64300 |
| .000 | 19.320 | .95400 | .27050 | .00240 | .98980 | -.06040 | -.01000 | .00310 | .00290 | .65100 |
| .000 | 21.500 | 1.08470 | .34610 | -.01800 | 1.13610 | -.07562 | -.00700 | .00100 | .00310 | .65800 |
| | GRADIENT | .05796 | -.00303 | -.00225 | .05928 | -.00513 | .00000 | -.00014 | -.00022 | -.27050 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG113) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 177/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.020 | -.02180 | .08290 | .04180 | -.02030 | .08336 | -.00700 | .00110 | .00250 | 1.40800 |
| .000 | 2.090 | .04170 | .08050 | .04020 | .04460 | .07898 | -.00600 | .00070 | .00190 | .32000 |
| .000 | 4.240 | .16260 | .07800 | .03620 | .16800 | .06584 | -.00500 | .00030 | .00130 | .57200 |
| .000 | 6.390 | .28320 | .08090 | .02960 | .29050 | .04892 | -.00400 | .00000 | .00140 | .61400 |
| .000 | 8.560 | .40210 | .09030 | .02450 | .41100 | .02944 | -.00400 | .00000 | .00160 | .63000 |
| .000 | 10.770 | .51980 | .10660 | .01470 | .53060 | .00757 | -.00600 | .00070 | .00250 | .64200 |
| .000 | 12.880 | .65400 | .13500 | .00280 | .66770 | -.01424 | -.00700 | .00130 | .00150 | .65000 |
| .000 | 15.060 | .78410 | .16930 | -.01230 | .80120 | -.04026 | -.00900 | .00230 | .00110 | .65700 |
| .000 | 17.230 | .92470 | .22090 | -.02500 | .94860 | -.06293 | -.00800 | .00200 | .00120 | .66200 |
| .000 | 19.410 | 1.05570 | .29270 | -.04360 | 1.09300 | -.07480 | -.01000 | .00320 | .00230 | .66600 |
| .000 | 21.610 | 1.18220 | .37350 | -.06310 | 1.23550 | -.08817 | -.00500 | .00000 | .00230 | .67100 |
| | GRADIENT | .05712 | -.00147 | -.00176 | .05832 | -.00554 | .00060 | -.00024 | -.00036 | -.20540 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG114) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 175/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.230 | .19060 | .07910 | -.05900 | .19230 | .07500 | -.00600 | .00100 | .00200 | .76500 |
| .000 | 2.310 | .25870 | .07960 | -.06130 | .26170 | .06918 | -.00600 | .00090 | .00170 | .73800 |
| .000 | 4.470 | .37980 | .08380 | -.06780 | .38520 | .05394 | -.00400 | .00050 | .00120 | .71700 |
| .000 | 6.640 | .49770 | .09310 | -.07230 | .50510 | .03494 | -.00500 | .00080 | .00130 | .70400 |
| .000 | 8.750 | .60620 | .10660 | -.07650 | .61540 | .01311 | -.00600 | .00110 | .00080 | .69800 |
| .000 | 10.920 | .72780 | .12960 | -.08230 | .73920 | -.01071 | -.00700 | .00140 | .00180 | .69300 |
| .000 | 13.080 | .85340 | .16350 | -.09330 | .86830 | -.03396 | -.00700 | .00090 | .00100 | .69100 |
| .000 | 15.240 | .97680 | .20590 | -.09990 | .99650 | -.05816 | -.00900 | .00140 | .00010 | .68900 |
| .000 | 17.430 | 1.11270 | .26510 | -.11370 | 1.14100 | -.08040 | -.00600 | .00050 | .00040 | .68800 |
| .000 | 19.600 | 1.23950 | .34760 | -.13530 | 1.28430 | -.08852 | -.01400 | .00510 | .00220 | .69100 |
| .000 | 21.780 | 1.38100 | .46450 | -.17790 | 1.45480 | -.08120 | -.00400 | -.00100 | -.00010 | .69700 |
| | GRADIENT | .05806 | .00152 | -.00276 | .05920 | -.00658 | .00066 | -.00016 | -.00024 | -.01409 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG117) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = 10.000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 179/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.110 | .06470 | .09020 | -.00070 | .06650 | .08901 | -.07000 | .02240 | .03390 | .65600 |
| .000 | 2.200 | .13560 | .08870 | -.00310 | .13900 | .08351 | -.07000 | .02180 | .03370 | .66000 |
| .000 | 4.330 | .25010 | .08980 | -.00710 | .25620 | .07071 | -.06900 | .02140 | .03370 | .66200 |
| .000 | 6.510 | .37370 | .09580 | -.01160 | .38220 | .05286 | -.07200 | .02190 | .03450 | .66300 |
| .000 | 8.680 | .49920 | .10830 | -.02210 | .50990 | .03176 | -.07500 | .02250 | .03670 | .66800 |
| .000 | 10.820 | .62420 | .12830 | -.03300 | .63720 | .00890 | -.07700 | .02370 | .03800 | .67100 |
| .000 | 12.970 | .75710 | .15900 | -.04640 | .77350 | -.01498 | -.07600 | .02350 | .03670 | .67400 |
| .000 | 15.120 | .87220 | .19430 | -.05590 | .89270 | -.04003 | -.07400 | .02270 | .03430 | .67500 |
| .000 | 17.300 | 1.01030 | .25020 | -.06730 | 1.03900 | -.06160 | -.06700 | .01990 | .03450 | .67600 |
| .000 | 19.490 | 1.14380 | .32390 | -.08650 | 1.18640 | -.07637 | -.06200 | .01850 | .03700 | .67900 |
| .000 | 21.680 | 1.27650 | .42720 | -.12180 | 1.34400 | -.07478 | -.03600 | .00570 | .03920 | .68500 |
| | GRADIENT | .05705 | -.00004 | -.00197 | .05838 | -.00573 | .00033 | -.00029 | -.00005 | .00174 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG118) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 25.000 BDFLAP = -11.700
H/BW = .125

RUN NO. 181/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.130 | .07890 | .08550 | -.00070 | .08060 | .08394 | -.00800 | .00160 | .00450 | .65500 |
| .000 | 2.210 | .14510 | .08460 | -.00340 | .14830 | .07895 | -.00800 | .00150 | .00440 | .66000 |
| .000 | 4.350 | .26780 | .08610 | -.00830 | .27350 | .06553 | -.00800 | .00130 | .00430 | .66300 |
| .000 | 6.550 | .39190 | .09180 | -.01700 | .39980 | .04646 | -.00700 | .00100 | .00420 | .66700 |
| .000 | 8.690 | .50810 | .10400 | -.02310 | .51800 | .02610 | -.00700 | .00070 | .00370 | .66800 |
| .000 | 10.830 | .62710 | .12360 | -.03000 | .63920 | .00354 | -.00800 | .00150 | .00360 | .66900 |
| .000 | 12.980 | .75170 | .15290 | -.03970 | .76690 | -.01988 | -.00900 | .00230 | .00210 | .67100 |
| .000 | 15.160 | .88620 | .19410 | -.05330 | .90800 | -.04492 | -.01000 | .00270 | .00140 | .67300 |
| .000 | 17.320 | 1.01760 | .24800 | -.06420 | 1.04530 | -.06624 | -.00900 | .00210 | .00210 | .67400 |
| .000 | 19.510 | 1.14930 | .32580 | -.08720 | 1.19210 | -.07673 | -.01300 | .00480 | .00360 | .67900 |
| .000 | 21.680 | 1.27210 | .41200 | -.10830 | 1.33440 | -.08722 | -.00400 | -.00080 | .00250 | .68200 |
| | GRADIENT | .05848 | .00026 | -.00235 | .05971 | -.00580 | .00000 | -.00009 | -.00006 | .00233 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG117) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = 10.000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

RUN NO. 179/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.110 | .06470 | .09020 | -.00070 | .06650 | .08901 | -.07000 | .02240 | .03390 | .65600 |
| .000 | 2.200 | .13560 | .08870 | -.00310 | .13900 | .08351 | -.07000 | .02180 | .03370 | .66000 |
| .000 | 4.330 | .25010 | .08980 | -.00710 | .25620 | .07071 | -.06900 | .02140 | .03370 | .66200 |
| .000 | 6.510 | .37370 | .09580 | -.01160 | .38220 | .05286 | -.07200 | .02190 | .03450 | .66300 |
| .000 | 8.680 | .49920 | .10830 | -.02210 | .50990 | .03176 | -.07500 | .02250 | .03670 | .66800 |
| .000 | 10.820 | .62420 | .12830 | -.03300 | .63720 | .00890 | -.07700 | .02370 | .03800 | .67100 |
| .000 | 12.970 | .75710 | .15900 | -.04640 | .77350 | -.01498 | -.07600 | .02350 | .03670 | .67400 |
| .000 | 15.120 | .87220 | .19430 | -.05590 | .89270 | -.04003 | -.07400 | .02270 | .03430 | .67500 |
| .000 | 17.300 | 1.01030 | .25020 | -.06730 | 1.03900 | -.06160 | -.06700 | .01990 | .03450 | .67600 |
| .000 | 19.490 | 1.14380 | .32390 | -.08650 | 1.18640 | -.07637 | -.06200 | .01850 | .03700 | .67900 |
| .000 | 21.680 | 1.27650 | .42720 | -.12180 | 1.34400 | -.07478 | -.03600 | .00570 | .03920 | .68500 |
| | GRADIENT | .05705 | -.00004 | -.00197 | .05838 | -.00573 | .00033 | -.00029 | -.00005 | .00174 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG118) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 26.000 BDFLAP = -11.700
H/BW = .125

RUN NO. 181/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.130 | .07890 | .08550 | -.00070 | .08060 | .08394 | -.00800 | .00160 | .00450 | .65500 |
| .000 | 2.210 | .14510 | .08460 | -.00340 | .14830 | .07895 | -.00800 | .00150 | .00440 | .66000 |
| .000 | 4.350 | .26780 | .08610 | -.00830 | .27350 | .06553 | -.00800 | .00130 | .00430 | .66300 |
| .000 | 6.550 | .39190 | .09180 | -.01700 | .39980 | .04646 | -.00700 | .00100 | .00420 | .66700 |
| .000 | 8.690 | .50810 | .10400 | -.02310 | .51800 | .02610 | -.00700 | .00070 | .00370 | .66800 |
| .000 | 10.830 | .62710 | .12360 | -.03000 | .63920 | .00354 | -.00800 | .00150 | .00360 | .66900 |
| .000 | 12.980 | .75170 | .15290 | -.03970 | .76690 | -.01988 | -.00900 | .00230 | .00210 | .67100 |
| .000 | 15.160 | .88620 | .19410 | -.05330 | .90800 | -.04492 | -.01000 | .00270 | .00140 | .67300 |
| .000 | 17.320 | 1.01760 | .24800 | -.06420 | 1.04530 | -.06624 | -.00900 | .00210 | .00210 | .67400 |
| .000 | 19.510 | 1.14930 | .32580 | -.08720 | 1.19210 | -.07673 | -.01300 | .00480 | .00360 | .67900 |
| .000 | 21.680 | 1.27210 | .41200 | -.10830 | 1.33440 | -.08722 | -.00400 | -.00080 | .00250 | .68200 |
| | GRADIENT | .05848 | .00026 | -.00235 | .05971 | -.00580 | .00000 | -.00009 | -.00006 | .00233 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG119) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 55.000 BDFLAP = -11.700
H/BW = .125

RUN NO. 183/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.120 | .06600 | .10450 | .01140 | .06800 | .10324 | -.00700 | .00120 | .00460 | .59000 |
| .000 | 2.190 | .13060 | .10270 | .01000 | .13440 | .09763 | -.00800 | .00110 | .00450 | .62400 |
| .000 | 4.350 | .24560 | .10330 | .00550 | .25270 | .08437 | -.00600 | .00090 | .00460 | .64400 |
| .000 | 6.510 | .37470 | .10820 | -.00240 | .38460 | .06501 | -.00600 | .00050 | .00450 | .65400 |
| .000 | 8.670 | .49320 | .11960 | -.00860 | .50560 | .04389 | -.00600 | .00050 | .00400 | .65800 |
| .000 | 10.830 | .60320 | .13540 | -.01540 | .61810 | .02060 | -.00800 | .00160 | .00390 | .66100 |
| .000 | 12.980 | .73950 | .16700 | -.02690 | .75820 | -.00337 | -.00900 | .00190 | .00230 | .66500 |
| .000 | 15.150 | .87230 | .20700 | -.03810 | .89610 | -.02823 | -.00900 | .00210 | .00150 | .66700 |
| .000 | 17.340 | .99610 | .25730 | -.05040 | 1.02750 | -.05136 | -.00800 | .00190 | .00220 | .67000 |
| .000 | 19.490 | 1.13020 | .33600 | -.07160 | 1.17750 | -.06039 | -.01300 | .00450 | .00340 | .67400 |
| .000 | 21.680 | 1.26640 | .44590 | -.10620 | 1.34150 | -.05359 | -.00100 | -.00240 | .00080 | .68100 |
| | GRADIENT | .05526 | -.00028 | -.00186 | .05683 | -.00589 | .00040 | -.00009 | .00001 | .01564 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG120) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700
H/BW = .125

RUN NO. 185/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.100 | .04530 | .12790 | .02410 | .04770 | .12703 | -.00900 | .00160 | .00440 | .46600 |
| .000 | 2.190 | .11360 | .12540 | .02200 | .11830 | .12098 | -.00700 | .00130 | .00410 | .58300 |
| .000 | 4.340 | .23460 | .12470 | .01810 | .24340 | .10663 | -.00700 | .00110 | .00450 | .62400 |
| .000 | 6.520 | .35770 | .12860 | .01140 | .37000 | .08717 | -.00600 | .00050 | .00440 | .64000 |
| .000 | 8.650 | .47160 | .13880 | .00480 | .48720 | .06628 | -.00600 | .00050 | .00380 | .64800 |
| .000 | 10.790 | .59060 | .15610 | .00000 | .60940 | .04273 | -.00800 | .00140 | .00370 | .65200 |
| .000 | 12.960 | .71840 | .18330 | -.00780 | .73930 | .01787 | -.00800 | .00220 | .00220 | .65600 |
| .000 | 15.120 | .84230 | .22100 | -.02080 | .87080 | -.00639 | -.01000 | .00250 | .00130 | .66100 |
| .000 | 17.300 | .97980 | .27560 | -.03380 | 1.01740 | -.02825 | -.00800 | .00240 | .00210 | .66400 |
| .000 | 19.480 | 1.10820 | .35080 | -.05350 | 1.16180 | -.03879 | -.01300 | .00460 | .00330 | .66900 |
| .000 | 21.660 | 1.24220 | .44840 | -.08470 | 1.32000 | -.04177 | -.01000 | .00260 | .00030 | .67500 |
| | GRADIENT | .05813 | -.00090 | -.00185 | .06009 | -.00635 | .00053 | -.00015 | .00005 | .04462 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG123) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000
H/BW = .125

RUN NO. 195/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.150 | .10760 | .08160 | -.01320 | .10930 | .07942 | -.00600 | .00080 | .00440 | .69600 |
| .000 | 2.230 | .17130 | .08090 | -.01500 | .17430 | .07418 | -.00600 | .00090 | .00440 | .68400 |
| .000 | 4.400 | .29520 | .08340 | -.02130 | .30070 | .06056 | -.00600 | .00110 | .00430 | .67800 |
| .000 | 6.540 | .41640 | .09000 | -.03030 | .42390 | .04195 | -.00600 | .00060 | .00420 | .67800 |
| .000 | 8.700 | .53540 | .10350 | -.03680 | .54490 | .02125 | -.00600 | .00070 | .00390 | .67700 |
| .000 | 10.860 | .65080 | .12350 | -.04440 | .66240 | -.00131 | -.00700 | .00150 | .00350 | .67600 |
| .000 | 13.010 | .78140 | .15460 | -.05530 | .79610 | -.02529 | -.00800 | .00150 | .00200 | .67700 |
| .000 | 15.220 | .91200 | .19630 | -.06570 | .93150 | -.05007 | -.00900 | .00220 | .00130 | .67800 |
| .000 | 17.380 | 1.04590 | .25240 | -.08020 | 1.07350 | -.07153 | -.01000 | .00270 | .00210 | .67900 |
| .000 | 19.540 | 1.17250 | .32940 | -.09770 | 1.21520 | -.08179 | -.01200 | .00410 | .00350 | .68100 |
| .000 | 21.730 | 1.30800 | .44050 | -.13380 | 1.37630 | -.07430 | -.00100 | -.00270 | .00020 | .68800 |
| | GRADIENT | .05763 | .00064 | -.00255 | .05680 | -.00587 | .00000 | .00009 | -.00003 | -.00514 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG124) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300
H/BW = .125

RUN NO. 199/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | 1.200 | .15140 | .09300 | -.02740 | .15330 | .08986 | -.00600 | .00080 | .00430 | .71800 |
| .000 | 2.280 | .22090 | .09360 | -.03070 | .22440 | .08474 | -.00600 | .00050 | .00410 | .70200 |
| .000 | 4.430 | .34440 | .09800 | -.03790 | .35090 | .07114 | -.00600 | .00040 | .00410 | .69200 |
| .000 | 6.590 | .46430 | .10670 | -.04540 | .47350 | .05273 | -.00600 | .00040 | .00400 | .68700 |
| .000 | 8.740 | .57330 | .12060 | -.05250 | .58500 | .03203 | -.00600 | .00040 | .00380 | .68500 |
| .000 | 10.890 | .69840 | .14400 | -.06270 | .71310 | .00947 | -.00800 | .00130 | .00330 | .68400 |
| .000 | 13.060 | .82820 | .17750 | -.07580 | .84690 | -.01425 | -.00700 | .00120 | .00170 | .68500 |
| .000 | 15.240 | .96100 | .22180 | -.09070 | .98550 | -.03859 | -.01000 | .00230 | .00130 | .68600 |
| .000 | 17.410 | 1.09890 | .28200 | -.10800 | 1.13290 | -.05966 | -.01000 | .00240 | .00200 | .68700 |
| .000 | 19.590 | 1.23280 | .36460 | -.13750 | 1.28370 | -.06995 | -.01300 | .00410 | .00310 | .69100 |
| .000 | 21.780 | 1.36950 | .47700 | -.17090 | 1.44870 | -.06521 | -.00100 | -.00280 | .00090 | .69500 |
| | GRADIENT | .05942 | .00162 | -.00326 | .06084 | -.00587 | .00000 | -.00011 | -.00005 | -.00757 |

0A172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG125) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 203/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.270 | -.21660 | .09570 | -.02450 | -.22310 | .07936 | -.00700 | .00110 | .00490 | .61100 |
| .000 | .030 | .03560 | .08020 | -.02390 | .03570 | .08026 | -.00900 | .00160 | .00450 | .89800 |
| .000 | 4.350 | .26490 | .08150 | -.02610 | .27040 | .06118 | -.00800 | .00160 | .00450 | .68700 |
| .000 | 8.650 | .49170 | .10130 | -.03560 | .50130 | .02619 | -.00700 | .00110 | .00430 | .67800 |
| .000 | 12.940 | .72220 | .14910 | -.04500 | .73730 | -.01636 | -.01000 | .00210 | .00310 | .67400 |
| .000 | 17.300 | .98020 | .23930 | -.06470 | 1.00700 | -.06296 | -.01200 | .00370 | .00210 | .67500 |
| .000 | 21.610 | 1.22750 | .40020 | -.10170 | 1.28860 | -.08006 | -.00600 | .00010 | .00280 | .68100 |
| | GRADIENT | .05586 | -.00165 | -.00019 | .05725 | -.00211 | -.00012 | .00006 | -.00005 | .00877 |

0A172 B26C9PRIM16 N28W116E43F8V8R5TC19X9 G15 (RFG126) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -10.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 213/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.510 | -.43410 | .12500 | .07160 | -.44260 | .09051 | -.00200 | -.00020 | .00250 | .71100 |
| .000 | -.180 | -.18020 | .09430 | .07240 | -.18050 | .09373 | -.00400 | .00010 | .00280 | .79900 |
| .000 | 5.200 | .11360 | .08180 | .06850 | .12060 | .07116 | -.00500 | .00040 | .00240 | .44300 |
| .000 | 8.420 | .27950 | .08900 | .06440 | .28950 | .04719 | -.00400 | .00040 | .00220 | .57000 |
| .000 | 12.720 | .51470 | .12540 | .05150 | .52970 | .00902 | -.00600 | .00040 | .00190 | .61600 |
| .000 | 17.050 | .78190 | .20220 | .02640 | .80680 | -.03604 | -.00800 | .00220 | .00200 | .64000 |
| .000 | 21.410 | 1.03090 | .33690 | -.00360 | 1.08280 | -.06262 | -.00300 | -.00050 | .00250 | .65300 |
| | GRADIENT | .05864 | -.00709 | .00018 | .06053 | .00074 | -.00046 | .00007 | .00007 | .02032 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG127) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 211/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.370 | -.31800 | .10900 | .02050 | -.32540 | .08445 | -.00300 | .00060 | .00270 | .67500 |
| .000 | -.050 | -.06180 | .08680 | .01980 | -.06190 | .08681 | -.00700 | .00130 | .00280 | .77000 |
| .000 | 4.240 | .16730 | .08140 | .01860 | .17280 | .06886 | -.00700 | .00150 | .00280 | .61200 |
| .000 | 8.560 | .38810 | .09470 | .01150 | .39790 | .03590 | -.00800 | .00170 | .00300 | .64100 |
| .000 | 12.830 | .61570 | .13540 | .00130 | .63040 | -.00472 | -.00900 | .00220 | .00260 | .65100 |
| .000 | 17.160 | .88160 | .21910 | -.01930 | .90700 | -.05085 | -.01200 | .00370 | .00200 | .66000 |
| -.010 | 21.530 | 1.13330 | .36910 | -.05230 | 1.18970 | -.07264 | -.00900 | .00190 | .00350 | .66800 |
| | GRADIENT | .05637 | -.00321 | -.00022 | .05787 | -.00181 | -.00047 | .00010 | .00001 | -.00728 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG128) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 210/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.190 | -.11470 | .09000 | -.07070 | -.12100 | .08142 | -.00200 | -.00040 | .00190 | .43700 |
| .000 | .130 | .13870 | .08050 | -.07110 | .13890 | .08020 | -.00600 | .00060 | .00190 | .84000 |
| .000 | 4.460 | .36020 | .08690 | -.07450 | .36590 | .05862 | -.00500 | .00040 | .00090 | .72700 |
| .000 | 8.730 | .57350 | .10990 | -.07720 | .58350 | .02154 | -.00400 | .00030 | .00020 | .70100 |
| .000 | 13.020 | .81600 | .16620 | -.08880 | .83250 | -.02196 | -.00600 | .00080 | .00210 | .69100 |
| .000 | 17.360 | 1.05730 | .25880 | -.10300 | 1.08630 | -.06851 | -.01000 | .00220 | .00100 | .68700 |
| .000 | 21.730 | 1.32890 | .44860 | -.15900 | 1.40060 | -.07530 | -.01200 | .00310 | .00120 | .69400 |
| | GRADIENT | .05490 | -.00036 | -.00044 | .05629 | -.00264 | -.00035 | .00009 | -.00012 | .03150 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG129) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 10.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

RUN NO. 212/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.100 | -.03160 | .08570 | -.10610 | -.03760 | .08328 | -.00100 | -.00030 | .00050 | -.38500 |
| .000 | .220 | .22270 | .08150 | -.10750 | .22300 | .08070 | -.00300 | .00030 | .00030 | .82900 |
| .000 | 4.520 | .44400 | .09330 | -.10930 | .45000 | .05800 | -.00500 | .00060 | .00060 | .74100 |
| .000 | 8.820 | .67700 | .12620 | -.12240 | .68830 | .02086 | -.00600 | .00110 | .00170 | .71700 |
| .000 | 13.110 | .91840 | .18910 | -.13940 | .93740 | -.02426 | -.00500 | .00000 | .00080 | .70700 |
| .000 | 17.440 | 1.15540 | .29040 | -.14980 | 1.18930 | -.06930 | -.00600 | .00070 | -.00100 | .69800 |
| .000 | 21.800 | 1.42620 | .50400 | -.21730 | 1.51140 | -.06186 | -.00400 | .00010 | -.00280 | .70500 |
| | GRADIENT | .05518 | .00088 | -.00037 | .05657 | -.00293 | -.00046 | .00010 | .00001 | .13074 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG130) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 25.000 BDFLAP = -11.700
H/BW = .178

RUN NO. 214/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.280 | -.21190 | .10320 | -.01720 | -.21900 | .08709 | -.00400 | .00000 | .00430 | .62300 |
| .000 | .040 | .03670 | .08780 | -.01860 | .03680 | .08783 | -.00600 | .00070 | .00360 | .83800 |
| .000 | 4.350 | .26400 | .08920 | -.02130 | .27000 | .06893 | -.00500 | .00060 | .00320 | .68100 |
| .000 | 8.640 | .48770 | .10800 | -.02860 | .49840 | .03352 | -.00700 | .00060 | .00400 | .67300 |
| .000 | 12.920 | .71630 | .15530 | -.03800 | .73290 | -.00878 | -.01100 | .00270 | .00330 | .67100 |
| .000 | 17.260 | .97130 | .24560 | -.05640 | 1.00040 | -.05380 | -.01200 | .00350 | .00250 | .67300 |
| .000 | 21.610 | 1.22060 | .41450 | -.09850 | 1.28750 | -.06423 | .00100 | -.00370 | .00290 | .68000 |
| | GRADIENT | .05515 | -.00162 | -.00048 | .05666 | -.00210 | -.00012 | .00007 | -.00013 | .00674 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG131) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 55.000 BDFLAP = -11.700
H/BW = .178

RUN NO. 215/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.290 | -.23350 | .12330 | -.00530 | -.24210 | .10554 | -.00400 | .00000 | .00430 | .64400 |
| .000 | .030 | .01730 | .10640 | -.00430 | .01740 | .10642 | -.00600 | .00070 | .00360 | .74300 |
| .000 | 5.420 | .29990 | .10820 | -.00790 | .30880 | .07943 | -.00600 | .00060 | .00340 | .66100 |
| .000 | 8.630 | .46980 | .12310 | -.01360 | .48300 | .05116 | -.00700 | .00060 | .00410 | .66200 |
| .000 | 12.920 | .69950 | .16880 | -.02370 | .71960 | .00809 | -.01000 | .00270 | .00340 | .66400 |
| .000 | 17.250 | .95000 | .25550 | -.04290 | .98310 | -.03777 | -.01300 | .00380 | .00260 | .66800 |
| .000 | 21.610 | 1.20870 | .42920 | -.08850 | 1.28180 | -.04617 | .00100 | -.00350 | .00320 | .67700 |
| | GRADIENT | .05806 | -.00391 | .00023 | .06007 | .00020 | -.00046 | .00016 | -.00016 | .02292 |

OA172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG132) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700
H/BW = .178

RUN NO. 216/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.300 | -.24290 | .14840 | .00790 | -.25340 | .12976 | -.00500 | .00030 | .00420 | .66300 |
| .000 | .010 | .00190 | .12990 | .00750 | .00200 | .12996 | -.00700 | .00110 | .00340 | -.70900 |
| .000 | 4.310 | .22860 | .12770 | .00710 | .23760 | .11021 | -.00600 | .00090 | .00310 | .64100 |
| .000 | 8.610 | .44880 | .14200 | .00160 | .46500 | .07327 | -.00700 | .00070 | .00380 | .65000 |
| .000 | 12.910 | .67790 | .18520 | -.00660 | .70210 | .02909 | -.01100 | .00290 | .00330 | .65500 |
| .000 | 17.240 | .92980 | .27080 | -.02630 | .96830 | -.01703 | -.01300 | .00410 | .00240 | .66200 |
| .000 | 21.580 | 1.17970 | .42900 | -.06650 | 1.25480 | -.03515 | -.00800 | .00110 | .00270 | .67100 |
| | GRADIENT | .05476 | -.00240 | -.00009 | .05703 | -.00227 | -.00012 | .00007 | -.00013 | -.00268 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG133) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000
H/BW = .178

RUN NO. 217/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.270 | -.19270 | .09720 | -.03050 | -.19940 | .08260 | -.00700 | .00080 | .00420 | .59500 |
| .000 | .060 | .05790 | .08320 | -.02870 | .05800 | .08317 | -.00700 | .00100 | .00340 | .83400 |
| .000 | 4.360 | .27940 | .08550 | -.03150 | .28510 | .06404 | -.00600 | .00060 | .00320 | .69300 |
| .000 | 8.650 | .50610 | .10640 | -.03810 | .51630 | .02899 | -.00700 | .00070 | .00380 | .67900 |
| .000 | 12.940 | .73730 | .15600 | -.04850 | .75350 | -.01315 | -.01100 | .00260 | .00330 | .67600 |
| .000 | 17.270 | .99010 | .24680 | -.06920 | 1.01880 | -.05829 | -.01200 | .00350 | .00230 | .67700 |
| .000 | 21.620 | 1.24040 | .41120 | -.10680 | 1.30460 | -.07475 | -.00600 | .00060 | .00260 | .68200 |
| | GRADIENT | .05471 | -.00136 | -.00012 | .05615 | -.00215 | .00012 | -.00002 | -.00012 | .01129 |

0A172 B26C9PR1M16 N28W116E43F8V8R5TC19X9 G15 (RFG134) ( 12 MAR 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300
H/BW = .178

RUN NO. 218/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

| BETA | ALPHA | CL | CDF | CLM | CN | CAF | CY | CYN | CBL | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .000 | -4.200 | -.14500 | .10330 | -.04380 | -.15220 | .09241 | -.00500 | .00060 | .00420 | .54600 |
| .000 | .110 | .09960 | .09370 | -.04080 | .09980 | .09349 | -.00500 | .00050 | .00340 | .80300 |
| .000 | 4.410 | .32500 | .09920 | -.04380 | .33170 | .07393 | -.00500 | .00030 | .00320 | .70000 |
| .000 | 8.710 | .54400 | .12280 | -.05280 | .55630 | .03905 | -.00700 | .00070 | .00390 | .68700 |
| .000 | 13.000 | .77740 | .17650 | -.06650 | .79720 | -.00291 | -.01000 | .00220 | .00300 | .68300 |
| .000 | 17.340 | 1.03520 | .27240 | -.09530 | 1.06930 | -.04863 | -.01200 | .00320 | .00220 | .68500 |
| .000 | 21.690 | 1.30490 | .46660 | -.15430 | 1.38490 | -.04877 | -.00400 | -.00080 | .00040 | .69300 |
| | GRADIENT | .05459 | -.00048 | .00000 | .05620 | -.00215 | -.00000 | -.00003 | -.00012 | .01790 |

OA172 B26C9PR1M16N28W116E43F8V8R5TC19X9G15 (RFG150) ( 01 OCT 76 )

REFERENCE DATA

SREF = 2689.8300 SQ.FT. XMRP = 1076.6800 INCHES
LREF = 474.8100 INCHES YMRP = .0000 INCHES
BRLF = 936.6800 INCHES ZMRP = 375.0000 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 SPDBRK = .000
RUDDER = .000 BDFLAP = -11.700

RUN NO. 50/ 0 RN/L = 1.43 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CD | CLM | CN | CA | CYN | CBL | CY | XCP/L |
|---|---|---|---|---|---|---|---|---|---|---|
| .201 | -6.290 | -.21680 | .10410 | -.04840 | -.22690 | .07976 | .00710 | .00820 | -.02300 | .57300 |
| .201 | -4.190 | -.11890 | .09640 | -.05020 | -.12560 | .08746 | .00730 | .00750 | -.02400 | .50500 |
| .201 | -2.080 | -.02670 | .09110 | -.04800 | -.03000 | .09008 | .00700 | .00730 | -.02300 | .06300 |
| .201 | .010 | .07100 | .08820 | -.04630 | .07100 | .08825 | .00670 | .00690 | -.02200 | .89200 |
| .201 | 2.120 | .15960 | .08860 | -.04450 | .16280 | .08264 | .00600 | .00640 | -.02000 | .75200 |
| .201 | 4.210 | .25710 | .09250 | -.04200 | .26320 | .07337 | .00580 | .00620 | -.02000 | .71100 |
| .201 | 6.310 | .34730 | .09920 | -.04060 | .35610 | .06046 | .00520 | .00590 | -.01900 | .69400 |
| .201 | 8.430 | .45220 | .11250 | -.04010 | .46380 | .04492 | .00440 | .00540 | -.01700 | .68400 |
| .201 | 10.520 | .54870 | .12980 | -.03930 | .56320 | .02740 | .00370 | .00470 | -.01500 | .67800 |
| .201 | 12.640 | .65480 | .15060 | -.04060 | .67320 | .00953 | .00400 | .00460 | -.01500 | .67400 |
| .201 | 14.770 | .77560 | .19580 | -.04810 | .79990 | -.00838 | .00510 | .00310 | -.01500 | .67400 |
| .201 | 16.890 | .89600 | .24430 | -.05470 | .92840 | -.02665 | .00580 | .00350 | -.01700 | .67300 |
| .201 | 19.020 | 1.01540 | .30450 | -.06080 | 1.05920 | -.04317 | .00520 | .00480 | -.01500 | .67300 |
| .201 | 21.160 | 1.12060 | .38260 | -.06840 | 1.18320 | -.04775 | .01060 | .00780 | -.02300 | .67300 |
| | GRADIENT | .04468 | -.00049 | .00095 | .04621 | -.00170 | -.00019 | -.00017 | .00062 | .05235 |

OA172 TAILCONE PRESSURES GEAR ON (CFG001) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .130 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

ALPHA ( 1) = 10.340 BETA ( 1) = -9.970 Q(PSF) = 25.228 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3089 | -.3071 | -.2511 | -.0795 | .1477 | .1901 | .2593 |
| 44.800 | -.3015 | -.2679 | -.2287 | -.1530 | .1076 | .2080 | |
| 50.100 | -.3183 | -.4619 | -.3276 | -.2110 | .1032 | .2035 | |
| 101.400 | -.3313 | -.4265 | -.5365 | -.3982 | | .2280 | |
| 115.600 | -.4171 | -.5141 | -.6148 | -.4539 | | .2303 | |
| 133.800 | -.4432 | -.4768 | -.5757 | -.2823 | | .1856 | |
| 149.100 | -.4227 | -.4600 | -.4041 | -.2043 | | .1934 | |
| 180.000 | -.5123 | -.3593 | -.3469 | -.2355 | .1700 | .1923 | .2593 |

ALPHA ( 1) = 10.340 BETA ( 2) = -7.980 Q(PSF) = 25.228 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3110 | -.3110 | -.2513 | -.0706 | .1612 | .1902 | .2572 |
| 44.800 | -.3035 | -.2681 | -.2233 | -.1442 | .1188 | .2103 | |
| 50.100 | -.3185 | -.4491 | -.3147 | -.1888 | .1166 | .2081 | |
| 101.400 | -.3446 | -.4360 | -.5368 | -.3873 | | .2215 | |
| 115.600 | -.4211 | -.5126 | -.6040 | -.4252 | | .2193 | |
| 133.800 | -.4398 | -.4715 | -.5630 | -.2602 | | .2103 | |
| 149.100 | -.4248 | -.4547 | -.3987 | -.1955 | | .2126 | |
| 180.000 | -.4678 | -.3259 | -.3427 | -.2401 | .1813 | .2237 | .2572 |

ALPHA ( 1) = 10.340 BETA ( 3) = -5.940 Q(PSF) = 25.228 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3131 | -.3112 | -.2421 | -.0550 | .1591 | .1814 | .2418 |
| 44.800 | -.3019 | -.2702 | -.2160 | -.1309 | .1256 | .2038 | |
| 50.100 | -.3225 | -.4327 | -.2888 | -.1733 | .1256 | .2015 | |
| 101.400 | -.3542 | -.4401 | -.5298 | -.3697 | | .2150 | |
| 115.600 | -.4233 | -.5092 | -.5914 | -.3965 | | .2127 | |
| 133.800 | -.4364 | -.4644 | -.5485 | -.2403 | | .2127 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG001)

ALPHA ( 1) = 10.340 BETA ( 3) = -5.940

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4271 | -.4532 | -.3953 | -.1890 | | .2127 | |
| 180.000 | -.4233 | -.3225 | -.3340 | -.2336 | .1725 | .2172 | .2418 |

ALPHA ( 1) = 10.330 BETA ( 4) = -3.990 Q(PSF) = 25.228 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3200 | -.3162 | -.2417 | -.0483 | .1543 | .1633 | .2123 |
| 44.800 | -.3107 | -.2734 | -.2137 | -.1173 | .1321 | .1833 | |
| 50.100 | -.3237 | -.4262 | -.2752 | -.1708 | .1343 | .1833 | |
| 101.400 | -.3610 | -.4412 | -.5185 | -.3408 | | .1922 | |
| 115.600 | -.4206 | -.5008 | -.5679 | -.3579 | | .1945 | |
| 133.800 | -.4300 | -.4542 | -.5232 | -.2086 | | .1989 | |
| 149.100 | -.4188 | -.4337 | -.3722 | -.1730 | | .1945 | |
| 180.000 | -.4113 | -.3256 | -.3490 | -.2331 | .1610 | .1989 | .2123 |

ALPHA ( 1) = 10.340 BETA ( 5) = -2.000 Q(PSF) = 25.228 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3167 | -.3149 | -.2406 | -.0503 | .1559 | .1736 | .2225 |
| 44.800 | -.3056 | -.2703 | -.2035 | -.1079 | .1470 | .1958 | |
| 50.100 | -.3241 | -.4225 | -.2666 | -.1612 | .1492 | .1958 | |
| 101.400 | -.3668 | -.4374 | -.4968 | -.3208 | | .2003 | |
| 115.600 | -.4132 | -.4856 | -.5376 | -.3142 | | .1981 | |
| 133.800 | -.4207 | -.4392 | -.4838 | -.1789 | | .1958 | |
| 149.100 | -.4188 | -.4244 | -.3613 | -.1767 | | .1958 | |
| 180.000 | -.5190 | -.2926 | -.3408 | -.2565 | .1692 | .1981 | .2225 |

OA172 TAILCONE PRESSURES GEAR ON (CFG001)

ALPHA ( 1) = 10.330 BETA ( 6) = -.980 Q(PSF) = 25.228 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3233 | -.3233 | -.2470 | -.0593 | .1519 | .1675 | .2165 |
| 44.800 | -.3122 | -.2693 | -.2042 | -.1016 | .1519 | .1942 | |
| 50.100 | -.3289 | -.4146 | -.2619 | -.1528 | .1519 | .1942 | |
| 101.400 | -.3699 | -.4369 | -.4928 | -.3085 | | .1965 | |
| 115.600 | -.4127 | -.4816 | -.5282 | -.2974 | | .1965 | |
| 133.800 | -.4163 | -.4369 | -.4686 | -.1795 | | .1965 | |
| 149.100 | -.4313 | -.4351 | -.3773 | -.1795 | | .1942 | |
| 180.000 | -.5151 | -.2731 | -.3508 | -.2596 | .1720 | .1965 | .2165 |

ALPHA ( 1) = 10.330 BETA ( 7) = .000 Q(PSF) = 25.228 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3278 | -.3241 | -.2461 | -.0547 | .1492 | .1692 | .2091 |
| 44.800 | -.3167 | -.2758 | -.1997 | -.0990 | .1536 | .1958 | |
| 50.100 | -.3297 | -.4039 | -.2517 | -.1500 | .1581 | .1958 | |
| 101.400 | -.3686 | -.4317 | -.4818 | -.2920 | | .1980 | |
| 115.600 | -.4076 | -.4726 | -.5115 | -.2742 | | .1980 | |
| 133.800 | -.4150 | -.4299 | -.4614 | -.1789 | | .1958 | |
| 149.100 | -.4354 | -.4429 | -.3853 | -.1811 | | .1936 | |
| 180.000 | -.5078 | -.2666 | -.3585 | -.2631 | .1736 | .1980 | .2091 |

ALPHA ( 1) = 10.330 BETA ( 8) = .990 Q(PSF) = 25.228 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3319 | -.3301 | -.2502 | -.0636 | .1472 | .1649 | .2138 |
| 44.800 | -.3189 | -.2743 | -.1981 | -.0947 | .1561 | .1938 | |
| 50.100 | -.3338 | -.3970 | -.2520 | -.1413 | .1583 | .1916 | |
| 101.400 | -.3691 | -.4323 | -.4750 | -.2812 | | .1938 | |
| 115.600 | -.4063 | -.4676 | -.4992 | -.2612 | | .1960 | |
| 133.800 | -.4193 | -.4360 | -.4732 | -.1813 | | .1938 | |
| 149.100 | -.4434 | -.4546 | -.3988 | -.1880 | | .1938 | |
| 180.000 | -.4824 | -.2966 | -.3589 | -.2612 | .1694 | .1960 | .2138 |

OA172 TAILCONE PRESSURES GEAR ON (CFG001)

ALPHA ( 1) = 10.330 BETA ( 9) = 1.990 Q(PSF) = 25.228 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3345 | -.3308 | -.2507 | -.0571 | .1564 | .1742 | .2254 |
| 44.800 | -.3215 | -.2693 | -.1911 | -.0905 | .1631 | .2032 | |
| 50.100 | -.3326 | -.3829 | -.2470 | -.1328 | .1631 | .2032 | |
| 101.400 | -.3662 | -.4276 | -.4630 | -.2663 | | .2009 | |
| 115.600 | -.3978 | -.4537 | -.4835 | -.2485 | | .2054 | |
| 133.800 | -.4220 | -.4398 | -.4853 | -.1773 | | .1987 | |
| 149.100 | -.4500 | -.4574 | -.4034 | -.1906 | | .1942 | |
| 180.000 | -.4891 | -.3122 | -.3686 | -.2729 | .1720 | .1965 | .2254 |

ALPHA ( 1) = 10.330 BETA (10) = 4.020 Q(PSF) = 25.228 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3431 | -.3413 | -.2558 | -.0548 | .1539 | .1605 | .2139 |
| 44.800 | -.3282 | -.2651 | -.1889 | -.0836 | .1650 | .1938 | |
| 50.100 | -.3357 | -.3654 | -.2353 | -.1236 | .1605 | .1961 | |
| 101.400 | -.3636 | -.4137 | -.4397 | -.2413 | | .1938 | |
| 115.600 | -.4007 | -.4528 | -.4732 | -.2235 | | .1961 | |
| 133.800 | -.4286 | -.4453 | -.4844 | -.1658 | | .1961 | |
| 149.100 | -.4528 | -.4639 | -.4156 | -.1991 | | .1938 | |
| 180.000 | -.4082 | -.3320 | -.3390 | -.2302 | .1627 | .1938 | .2139 |

ALPHA ( 1) = 10.340 BETA (11) = 5.970 Q(PSF) = 25.228 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3399 | -.3381 | -.2543 | -.0549 | .1608 | .1852 | .2387 |
| 44.800 | -.3232 | -.2487 | -.1761 | -.0726 | .1808 | .2187 | |
| 50.100 | -.3362 | -.3232 | -.2134 | -.1016 | .1786 | .2209 | |
| 101.400 | -.3660 | -.4162 | -.4349 | -.2261 | | .2187 | |
| 115.600 | -.4218 | -.4740 | -.4814 | -.2105 | | .2187 | |
| 133.800 | -.4479 | -.4572 | -.4963 | -.1638 | | .2164 | |
| 149.100 | -.4702 | -.4795 | -.4349 | -.2061 | | .2187 | |
| 180.000 | -.4125 | -.3306 | -.3306 | -.2328 | .1719 | .2164 | .2387 |

OA172 TAILCONE PRESSURES GEAR ON (CFG001)

ALPHA ( 1) = 10.340 BETA (12) = 7.980 Q(PSF) = 25.228 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3434 | -.3416 | -.2635 | -.0682 | .1540 | .1896 | .2586 |
| 44.800 | -.3230 | -.2300 | -.1649 | -.0748 | .1829 | .2274 | |
| 50.100 | -.3397 | -.2672 | -.1760 | -.0859 | .1874 | .2274 | |
| 101.400 | -.3639 | -.4141 | -.4271 | -.2082 | | .2274 | |
| 115.600 | -.4346 | -.4792 | -.4718 | -.1971 | | .2341 | |
| 133.800 | -.4606 | -.4644 | -.4941 | -.1615 | | .2319 | |
| 149.100 | -.4848 | -.4830 | -.4216 | -.1926 | | .2319 | |
| 180.000 | -.4420 | -.3286 | -.3326 | -.2304 | .1851 | .2252 | .2586 |

ALPHA ( 1) = 10.340 BETA (13) = 10.010 Q(PSF) = 25.228 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3532 | -.3495 | -.2694 | -.0794 | .1386 | .1854 | .2589 |
| 44.800 | -.3308 | -.2191 | -.1558 | -.0749 | .1765 | .2277 | |
| 50.100 | -.3458 | -.2321 | -.1520 | -.0771 | .1787 | .2300 | |
| 101.400 | -.3681 | -.4128 | -.4072 | -.1884 | | .2366 | |
| 115.600 | -.4389 | -.4724 | -.4445 | -.1662 | | .2366 | |
| 133.800 | -.4743 | -.4705 | -.4519 | -.0972 | | .2166 | |
| 149.100 | -.5003 | -.4873 | -.3979 | -.1172 | | .2054 | |
| 180.000 | -.4910 | -.3644 | -.3353 | -.2307 | .1765 | .1921 | .2589 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002) ( 11 OCT 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPOBRK = .000 BDFLAP = -11.700

ALPHA ( 1) = -5.190 BETA ( 1) = -9.960 Q(PSF) = 60.560 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3612 | -.3604 | -.2772 | -.0917 | .1117 | .1266 | .1563 |
| 44.800 | -.3620 | -.3604 | -.2578 | -.1465 | .1220 | .1563 | |
| 50.100 | -.3418 | -.3985 | -.2321 | -.1614 | .1229 | .1545 | |
| 101.400 | -.3262 | -.4164 | -.4740 | -.2868 | | .1666 | |
| 115.600 | -.3394 | -.4281 | -.4989 | -.2868 | | .1712 | |
| 133.800 | -.3169 | -.3674 | -.5238 | -.2571 | | .1675 | |
| 149.100 | -.3371 | -.3985 | -.4273 | -.2720 | | .1656 | |
| 180.000 | -.4825 | -.3433 | -.4401 | -.3612 | .1526 | .1573 | .1563 |

ALPHA ( 1) = -5.200 BETA ( 2) = -7.980 Q(PSF) = 60.560 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3556 | -.3548 | -.2687 | -.0803 | .1226 | .1318 | .1606 |
| 44.800 | -.3564 | -.3579 | -.2400 | -.1220 | .1309 | .1615 | |
| 50.100 | -.3401 | -.3936 | -.2292 | -.1452 | .1327 | .1606 | |
| 101.400 | -.3346 | -.4176 | -.4681 | -.2675 | | .1680 | |
| 115.600 | -.3556 | -.4378 | -.4960 | -.2684 | | .1735 | |
| 133.800 | -.3308 | -.3758 | -.5231 | -.2499 | | .1707 | |
| 149.100 | -.3478 | -.4021 | -.4324 | -.2721 | | .1698 | |
| 180.000 | -.4657 | -.3300 | -.4325 | -.3630 | .1541 | .1652 | .1606 |

ALPHA ( 1) = -5.200 BETA ( 3) = -5.960 Q(PSF) = 60.560 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3449 | -.3434 | -.2574 | -.0672 | .1307 | .1372 | .1668 |
| 44.800 | -.3465 | -.3604 | -.2156 | -.1005 | .1307 | .1621 | |
| 50.100 | -.3364 | -.4007 | -.2296 | -.1311 | .1307 | .1621 | |
| 101.400 | -.3403 | -.4177 | -.4541 | -.2523 | | .1649 | |
| 115.600 | -.3713 | -.4464 | -.4905 | -.2532 | | .1677 | |
| 133.800 | -.3457 | -.3860 | -.5254 | -.2467 | | .1714 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 1) = -5.200 BETA ( 3) = -5.960

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.3604 | -.4115 | -.4394 | -.2810 | | .1714 | |
| 180.000 | -.4394 | -.3155 | -.4234 | -.3615 | .1547 | .1705 | .1668 |

ALPHA ( 1) = -5.200 BETA ( 4) = -3.990 Q(PSF) = 60.560 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3378 | -.3378 | -.2525 | -.0627 | .1281 | .1291 | .1615 |
| 44.800 | -.3386 | -.3417 | -.2028 | -.0887 | .1254 | .1522 | |
| 50.100 | -.3371 | -.4139 | -.2385 | -.1202 | .1254 | .1550 | |
| 101.400 | -.3464 | -.4208 | -.4511 | -.2388 | | .1550 | |
| 115.600 | -.3898 | -.4620 | -.4922 | -.2398 | | .1606 | |
| 133.800 | -.3658 | -.4038 | -.5349 | -.2444 | | .1643 | |
| 149.100 | -.3790 | -.4271 | -.4573 | -.2898 | | .1624 | |
| 180.000 | -.4418 | -.2998 | -.4113 | -.3566 | .1569 | .1652 | .1615 |

ALPHA ( 1) = -5.200 BETA ( 5) = -1.990 Q(PSF) = 60.560 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3298 | -.3306 | -.2477 | -.0617 | .1271 | .1281 | .1642 |
| 44.800 | -.3283 | -.2880 | -.1973 | -.0858 | .1327 | .1577 | |
| 50.100 | -.3360 | -.4283 | -.2523 | -.1201 | .1299 | .1568 | |
| 101.400 | -.3515 | -.4205 | -.4415 | -.2313 | | .1568 | |
| 115.600 | -.4089 | -.4733 | -.4880 | -.2285 | | .1605 | |
| 133.800 | -.3841 | -.4205 | -.5399 | -.2461 | | .1614 | |
| 149.100 | -.3957 | -.4407 | -.4709 | -.3054 | | .1614 | |
| 180.000 | -.4531 | -.2841 | -.3989 | -.3489 | .1558 | .1623 | .1642 |

0A172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 1) = -5.200 BETA ( 6) = -1.010 Q(PSF) = 60.560 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3301 | -.3293 | -.2463 | -.0655 | .1300 | .1328 | .1689 |
| 44.800 | -.3277 | -.2688 | -.1959 | -.0859 | .1346 | .1615 | |
| 50.100 | -.3386 | -.4309 | -.2564 | -.1183 | .1365 | .1624 | |
| 101.400 | -.3549 | -.4224 | -.4418 | -.2277 | | .1643 | |
| 115.600 | -.4185 | -.4790 | -.4868 | -.2222 | | .1662 | |
| 133.800 | -.3976 | -.4309 | -.5481 | -.2472 | | .1652 | |
| 149.100 | -.4077 | -.4511 | -.4845 | -.3121 | | .1652 | |
| 180.000 | -.4558 | -.2882 | -.3974 | -.3482 | .1578 | .1662 | .1689 |

ALPHA ( 1) = -5.200 BETA ( 7) = .000 Q(PSF) = 60.560 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3291 | -.3275 | -.2461 | -.0608 | .1318 | .1345 | .1744 |
| 44.800 | -.3260 | -.2539 | -.1942 | -.0868 | .1364 | .1679 | |
| 50.100 | -.3407 | -.4275 | -.2585 | -.1210 | .1420 | .1633 | |
| 101.400 | -.3539 | -.4198 | -.4353 | -.2266 | | .1716 | |
| 115.600 | -.4268 | -.4834 | -.4841 | -.2165 | | .1725 | |
| 133.800 | -.4074 | -.4392 | -.5508 | -.2470 | | .1688 | |
| 149.100 | -.4167 | -.4586 | -.4896 | -.3211 | | .1688 | |
| 180.000 | -.4462 | -.2919 | -.4054 | -.3508 | .1577 | .1660 | .1744 |

ALPHA ( 1) = -5.200 BETA ( 8) = .990 Q(PSF) = 60.560 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3299 | -.3283 | -.2461 | -.0608 | .1336 | .1373 | .1716 |
| 44.800 | -.3252 | -.2508 | -.1934 | -.0840 | .1410 | .1679 | |
| 50.100 | -.3430 | -.4206 | -.2531 | -.1173 | .1420 | .1688 | |
| 101.400 | -.3554 | -.4182 | -.4291 | -.2192 | | .1790 | |
| 115.600 | -.4353 | -.4880 | -.4810 | -.2090 | | .1799 | |
| 133.800 | -.4190 | -.4485 | -.5547 | -.2480 | | .1707 | |
| 149.100 | -.4283 | -.4686 | -.5004 | -.3313 | | .1707 | |
| 180.000 | -.4400 | -.2995 | -.4119 | -.3536 | .1596 | .1679 | .1716 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 1) = -5.200 BETA ( 9) = 1.980 Q(PSF) = 60.560 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3321 | -.3306 | -.2461 | -.0553 | .1345 | .1373 | .1651 |
| 44.800 | -.3267 | -.2492 | -.1910 | -.0812 | .1392 | .1660 | |
| 50.100 | -.3453 | -.4089 | -.2484 | -.1164 | .1410 | .1660 | |
| 101.400 | -.3538 | -.4135 | -.4213 | -.2127 | | .1855 | |
| 115.600 | -.4422 | -.4926 | -.4748 | -.1988 | | .1827 | |
| 133.800 | -.4298 | -.4585 | -.5562 | -.2488 | | .1725 | |
| 149.100 | -.4391 | -.4779 | -.5081 | -.3396 | | .1669 | |
| 180.000 | -.4368 | -.3073 | -.4146 | -.3572 | .1605 | .1669 | .1651 |

ALPHA ( 1) = -5.200 BETA (10) = 4.000 Q(PSF) = 60.560 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3360 | -.3329 | -.2476 | -.0580 | .1225 | .1216 | .1438 |
| 44.800 | -.3298 | -.2507 | -.1941 | -.0830 | .1354 | .1605 | |
| 50.100 | -.3492 | -.4151 | -.2538 | -.1201 | .1336 | .1632 | |
| 101.400 | -.3561 | -.4120 | -.4112 | -.2071 | | .1882 | |
| 115.600 | -.4585 | -.5003 | -.4693 | -.1858 | | .1836 | |
| 133.800 | -.4538 | -.4786 | -.5685 | -.2488 | | .1605 | |
| 149.100 | -.4639 | -.4980 | -.5313 | -.3600 | | .1549 | |
| 180.000 | -.4406 | -.3236 | -.4220 | -.3674 | .1530 | .1540 | .1438 |

ALPHA ( 1) = -5.200 BETA (11) = 7.970 Q(PSF) = 60.560 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3425 | -.3401 | -.2626 | -.0738 | .1217 | .1300 | .1485 |
| 44.800 | -.3425 | -.2711 | -.2129 | -.1035 | .1291 | .1680 | |
| 50.100 | -.3564 | -.4425 | -.2688 | -.1480 | .1346 | .1726 | |
| 101.400 | -.3595 | -.4030 | -.3851 | -.2027 | | .1893 | |
| 115.600 | -.4682 | -.4899 | -.4224 | -.1600 | | .1773 | |
| 133.800 | -.5023 | -.5178 | -.5814 | -.2370 | | .1522 | |
| 149.100 | -.5100 | -.5380 | -.5706 | -.3899 | | .1532 | |
| 180.000 | -.4829 | -.3557 | -.4270 | -.3668 | .1485 | .1569 | .1485 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 1) = -5.190 BETA (12) = 9.970 Q(PSF) = 60.560 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3487 | -.3480 | -.2711 | -.0822 | .1170 | .1207 | .1309 |
| 44.800 | -.3495 | -.2812 | -.2199 | -.1082 | .1235 | .1643 | |
| 50.100 | -.3573 | -.4395 | -.2688 | -.1527 | .1319 | .1699 | |
| 101.400 | -.3588 | -.4007 | -.3844 | -.2111 | | .1856 | |
| 115.600 | -.4512 | -.4581 | -.3906 | -.1582 | | .1745 | |
| 133.800 | -.5241 | -.5350 | -.5784 | -.2176 | | .1439 | |
| 149.100 | -.5365 | -.5567 | -.5862 | -.3956 | | .1439 | |
| 180.000 | -.5063 | -.3743 | -.4234 | -.3594 | .1513 | .1476 | .1309 |

ALPHA ( 2) = .050 BETA ( 1) = -9.960 Q(PSF) = 60.535 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3560 | -.3553 | -.2644 | -.0646 | .1246 | .1199 | .1487 |
| 44.800 | -.3654 | -.4143 | -.2605 | -.1546 | .1190 | .1450 | |
| 50.100 | -.3405 | -.4819 | -.2792 | -.1983 | .1125 | .1422 | |
| 101.400 | -.3397 | -.4329 | -.5075 | -.3347 | | .1580 | |
| 115.600 | -.3607 | -.4485 | -.5323 | -.3356 | | .1552 | |
| 133.800 | -.3638 | -.4042 | -.5409 | -.2623 | | .1524 | |
| 149.100 | -.3840 | -.4314 | -.4275 | -.2512 | | .1506 | |
| 180.000 | -.5246 | -.3623 | -.4265 | -.3319 | .1515 | .1422 | .1487 |

ALPHA ( 2) = .050 BETA ( 2) = -7.980 Q(PSF) = 60.535 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3463 | -.3456 | -.2540 | -.0581 | .1291 | .1263 | .1643 |
| 44.800 | -.3479 | -.3758 | -.2292 | -.1239 | .1263 | .1559 | |
| 50.100 | -.3347 | -.4945 | -.2796 | -.1693 | .1226 | .1522 | |
| 101.400 | -.3471 | -.4379 | -.4999 | -.3185 | | .1634 | |
| 115.600 | -.3712 | -.4534 | -.5255 | -.3148 | | .1643 | |
| 133.800 | -.3712 | -.4076 | -.5341 | -.2481 | | .1596 | |
| 149.100 | -.3890 | -.4332 | -.4278 | -.2472 | | .1569 | |
| 180.000 | -.5023 | -.3471 | -.4159 | -.3278 | .1559 | .1532 | .1643 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 2) = .050 BETA ( 3) = -5.970 Q(PSF) = 60.535 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3339 | -.3339 | -.2486 | -.0590 | .1356 | .1430 | .1800 |
| 44.800 | -.3331 | -.2920 | -.2152 | -.1100 | .1356 | .1698 | |
| 50.100 | -.3308 | -.4875 | -.2858 | -.1610 | .1346 | .1680 | |
| 101.400 | -.3580 | -.4433 | -.4984 | -.3083 | | .1763 | |
| 115.600 | -.3836 | -.4619 | -.5209 | -.2963 | | .1763 | |
| 133.800 | -.3812 | -.4185 | -.5333 | -.2398 | | .1698 | |
| 149.100 | -.3999 | -.4402 | -.4332 | -.2490 | | .1717 | |
| 180.000 | -.4844 | -.3355 | -.4038 | -.3195 | .1624 | .1717 | .1800 |

ALPHA ( 2) = .050 BETA ( 4) = -3.980 Q(PSF) = 60.535 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3264 | -.3241 | -.2441 | -.0591 | .1496 | .1579 | .1978 |
| 44.800 | -.3210 | -.2542 | -.2084 | -.1073 | .1477 | .1839 | |
| 50.100 | -.3288 | -.4600 | -.2845 | -.1537 | .1477 | .1848 | |
| 101.400 | -.3653 | -.4468 | -.4918 | -.2956 | | .1839 | |
| 115.600 | -.3955 | -.4677 | -.5136 | -.2771 | | .1876 | |
| 133.800 | -.3917 | -.4243 | -.5322 | -.2316 | | .1885 | |
| 149.100 | -.4111 | -.4483 | -.4414 | -.2539 | | .1932 | |
| 180.000 | -.4941 | -.3233 | -.3856 | -.3030 | .1691 | .1951 | .1978 |

ALPHA ( 2) = .050 BETA ( 5) = -2.000 Q(PSF) = 60.535 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3240 | -.3232 | -.2425 | -.0553 | .1505 | .1588 | .2015 |
| 44.800 | -.3201 | -.2542 | -.2076 | -.1026 | .1495 | .1857 | |
| 50.100 | -.3294 | -.4482 | -.2782 | -.1499 | .1514 | .1857 | |
| 101.400 | -.3675 | -.4435 | -.4793 | -.2788 | | .1866 | |
| 115.600 | -.4040 | -.4715 | -.5056 | -.2575 | | .1922 | |
| 133.800 | -.4024 | -.4327 | -.5305 | -.2250 | | .1950 | |
| 149.100 | -.4218 | -.4575 | -.4521 | -.2584 | | .1941 | |
| 180.000 | -.5002 | -.3209 | -.3734 | -.2983 | .1653 | .1950 | .2015 |

0A172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 2) = .050 BETA ( 6) = -1.010 Q(PSF) = 60.535 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3274 | -.3259 | -.2437 | -.0580 | .1493 | .1586 | .2012 |
| 44.800 | -.3204 | -.2538 | -.2065 | -.1006 | .1521 | .1873 | |
| 50.100 | -.3305 | -.4437 | -.2732 | -.1516 | .1539 | .1891 | |
| 101.400 | -.3685 | -.4390 | -.4708 | -.2710 | | .1854 | |
| 115.600 | -.4080 | -.4693 | -.4956 | -.2469 | | .1910 | |
| 133.800 | -.4096 | -.4359 | -.5282 | -.2201 | | .1929 | |
| 149.100 | -.4289 | -.4607 | -.4553 | -.2608 | | .1947 | |
| 180.000 | -.4995 | -.3111 | -.3757 | -.2988 | .1632 | .1956 | .2012 |

ALPHA ( 2) = .050 BETA ( 7) = .000 Q(PSF) = 60.535 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3314 | -.3298 | -.2453 | -.0590 | .1521 | .1595 | .2040 |
| 44.800 | -.3252 | -.2600 | -.2058 | -.0997 | .1540 | .1883 | |
| 50.100 | -.3337 | -.4376 | -.2694 | -.1488 | .1521 | .1910 | |
| 101.400 | -.3670 | -.4345 | -.4608 | -.2572 | | .1873 | |
| 115.600 | -.4128 | -.4717 | -.4895 | -.2350 | | .1920 | |
| 133.800 | -.4167 | -.4430 | -.5291 | -.2164 | | .1966 | |
| 149.100 | -.4384 | -.4686 | -.4616 | -.2655 | | .1957 | |
| 180.000 | -.4880 | -.3112 | -.3822 | -.3007 | .1642 | .1975 | .2040 |

ALPHA ( 2) = .050 BETA ( 8) = .990 Q(PSF) = 60.535 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3323 | -.3300 | -.2462 | -.0553 | .1541 | .1624 | .2069 |
| 44.800 | -.3261 | -.2617 | -.2036 | -.0933 | .1550 | .1921 | |
| 50.100 | -.3377 | -.4324 | -.2617 | -.1424 | .1522 | .1921 | |
| 101.400 | -.3649 | -.4293 | -.4494 | -.2453 | | .1911 | |
| 115.600 | -.4161 | -.4719 | -.4828 | -.2240 | | .1976 | |
| 133.800 | -.4231 | -.4479 | -.5293 | -.2119 | | .2004 | |
| 149.100 | -.4456 | -.4743 | -.4681 | -.2703 | | .2014 | |
| 180.000 | -.4851 | -.3215 | -.3852 | -.3027 | .1680 | .2004 | .2069 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 2) = .050 BETA ( 9) = 1.990 Q(PSF) = 60.535 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3322 | -.3307 | -.2446 | -.0543 | .1531 | .1624 | .2087 |
| 44.800 | -.3276 | -.2624 | -.2012 | -.0914 | .1559 | .1939 | |
| 50.100 | -.3392 | -.4268 | -.2516 | -.1405 | .1522 | .1948 | |
| 101.400 | -.3640 | -.4245 | -.4400 | -.2378 | | .2004 | |
| 115.600 | -.4199 | -.4734 | -.4780 | -.2146 | | .2032 | |
| 133.800 | -.4299 | -.4548 | -.5308 | -.2109 | | .2022 | |
| 149.100 | -.4548 | -.4811 | -.4749 | -.2749 | | .2032 | |
| 180.000 | -.4804 | -.3299 | -.3870 | -.3082 | .1689 | .2032 | .2087 |

ALPHA ( 2) = .050 BETA (10) = 3.990 Q(PSF) = 60.535 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3400 | -.3408 | -.2508 | -.0525 | .1531 | .1661 | .2032 |
| 44.800 | -.3330 | -.2687 | -.2012 | -.0868 | .1568 | .1967 | |
| 50.100 | -.3423 | -.4160 | -.2462 | -.1340 | .1568 | .1995 | |
| 101.400 | -.3617 | -.4191 | -.4268 | -.2248 | | .2022 | |
| 115.600 | -.4300 | -.4765 | -.4648 | -.1989 | | .2097 | |
| 133.800 | -.4470 | -.4664 | -.5323 | -.2082 | | .2050 | |
| 149.100 | -.4734 | -.4974 | -.4912 | -.2897 | | .2004 | |
| 180.000 | -.4827 | -.3462 | -.4000 | -.3193 | .1716 | .1995 | .2032 |

ALPHA ( 2) = .050 BETA (11) = 5.970 Q(PSF) = 60.535 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3510 | -.3502 | -.2556 | -.0516 | .1457 | .1522 | .1875 |
| 44.800 | -.3456 | -.2788 | -.2020 | -.0803 | .1485 | .1856 | |
| 50.100 | -.3471 | -.4161 | -.2432 | -.1285 | .1476 | .1856 | |
| 101.400 | -.3572 | -.4068 | -.4014 | -.2027 | | .1949 | |
| 115.600 | -.4386 | -.4743 | -.4480 | -.1786 | | .1930 | |
| 133.800 | -.4658 | -.4813 | -.5379 | -.2017 | | .1847 | |
| 149.100 | -.4945 | -.5131 | -.5100 | -.3009 | | .1782 | |
| 180.000 | -.5038 | -.3603 | -.4084 | -.3297 | .1643 | .1782 | .1875 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 2) = .050 BETA (12) = 7.980 Q(PSF) = 60.535 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3594 | -.3555 | -.2586 | -.0544 | .1318 | .1272 | .1624 |
| 44.800 | -.3532 | -.2865 | -.2059 | -.0803 | .1392 | .1633 | |
| 50.100 | -.3455 | -.4160 | -.2446 | -.1313 | .1392 | .1652 | |
| 101.400 | -.3594 | -.3990 | -.3796 | -.1943 | | .1791 | |
| 115.600 | -.4471 | -.4750 | -.4323 | -.1628 | | .1698 | |
| 133.800 | -.4882 | -.4967 | -.5425 | -.1943 | | .1439 | |
| 149.100 | -.5169 | -.5331 | -.5277 | -.3147 | | .1457 | |
| 180.000 | -.5207 | -.3773 | -.4139 | -.3333 | .1540 | .1466 | .1624 |

ALPHA ( 2) = .050 BETA (13) = 9.980 Q(PSF) = 60.535 PO = 2121.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3599 | -.3568 | -.2626 | -.0536 | .1304 | .1239 | .1369 |
| 44.800 | -.3552 | -.2813 | -.1996 | -.0815 | .1388 | .1639 | |
| 50.100 | -.3428 | -.3848 | -.2346 | -.1187 | .1425 | .1695 | |
| 101.400 | -.3560 | -.3879 | -.3661 | -.1838 | | .1853 | |
| 115.600 | -.4471 | -.4673 | -.4097 | -.1485 | | .1760 | |
| 133.800 | -.5062 | -.5140 | -.5436 | -.1829 | | .1378 | |
| 149.100 | -.5389 | -.5537 | -.5459 | -.3223 | | .1341 | |
| 180.000 | -.5327 | -.3926 | -.4125 | -.3307 | .1537 | .1416 | .1369 |

ALPHA ( 3) = 5.320 BETA ( 1) = -9.960 Q(PSF) = 60.518 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3334 | -.3334 | -.2597 | -.0730 | .1292 | .1468 | .1904 |
| 44.800 | -.3397 | -.3078 | -.2504 | -.1611 | .1143 | .1644 | |
| 50.100 | -.3358 | -.5532 | -.3311 | -.2307 | .1078 | .1616 | |
| 101.400 | -.3397 | -.4414 | -.5346 | -.3801 | | .1719 | |
| 115.600 | -.3956 | -.4833 | -.5734 | -.3968 | | .1728 | |
| 133.800 | -.4095 | -.4445 | -.5594 | -.2715 | | .1524 | |
| 149.100 | -.4150 | -.4538 | -.4173 | -.2260 | | .1496 | |
| 180.000 | -.5346 | -.3591 | -.3893 | -.2826 | .1533 | .1524 | .1904 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 3) = 5.320 BETA ( 2) = -7.980 Q(PSF) = 60.518 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3261 | -.3253 | -.2507 | -.0619 | .1461 | .1683 | .2195 |
| 44.800 | -.3245 | -.2545 | -.2343 | -.1418 | .1275 | .1916 | |
| 50.100 | -.3307 | -.5080 | -.3214 | -.2040 | .1210 | .1897 | |
| 101.400 | -.3502 | -.4505 | -.5321 | -.3666 | | .2046 | |
| 115.600 | -.4007 | -.4854 | -.5686 | -.3712 | | .2018 | |
| 133.800 | -.4100 | -.4458 | -.5500 | -.2533 | | .1795 | |
| 149.100 | -.4194 | -.4528 | -.4155 | -.2189 | | .1786 | |
| 180.000 | -.5235 | -.3548 | -.3731 | -.2690 | .1665 | .1823 | .2195 |

ALPHA ( 3) = 5.320 BETA ( 3) = -5.960 Q(PSF) = 60.518 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3240 | -.3202 | -.2441 | -.0563 | .1458 | .1746 | .2303 |
| 44.800 | -.3202 | -.2511 | -.2231 | -.1342 | .1329 | .1997 | |
| 50.100 | -.3310 | -.4816 | -.3093 | -.1889 | .1347 | .1997 | |
| 101.400 | -.3597 | -.4513 | -.5251 | -.3521 | | .2052 | |
| 115.600 | -.4048 | -.4847 | -.5569 | -.3456 | | .2006 | |
| 133.800 | -.4110 | -.4405 | -.5391 | -.2362 | | .2127 | |
| 149.100 | -.4211 | -.4521 | -.4125 | -.2130 | | .2155 | |
| 180.000 | -.5111 | -.3504 | -.3549 | -.2538 | .1764 | .2155 | .2303 |

ALPHA ( 3) = 5.320 BETA ( 4) = -3.990 Q(PSF) = 60.518 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3246 | -.3223 | -.2424 | -.0553 | .1513 | .1624 | .2107 |
| 44.800 | -.3215 | -.2595 | -.2214 | -.1257 | .1402 | .1893 | |
| 50.100 | -.3324 | -.4720 | -.3045 | -.1832 | .1411 | .1903 | |
| 101.400 | -.3673 | -.4542 | -.5163 | -.3343 | | .1884 | |
| 115.600 | -.4092 | -.4852 | -.5419 | -.3204 | | .1912 | |
| 133.800 | -.4154 | -.4433 | -.5295 | -.2203 | | .1995 | |
| 149.100 | -.4263 | -.4526 | -.4154 | -.2120 | | .2005 | |
| 180.000 | -.4868 | -.3347 | -.3501 | -.2527 | .1662 | .2023 | .2107 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 3) = 5.320 BETA ( 5) = -2.000 Q(PSF) = 60.518 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3271 | -.3264 | -.2441 | -.0618 | .1477 | .1533 | .1922 |
| 44.800 | -.3233 | -.2643 | -.2161 | -.1156 | .1449 | .1783 | |
| 50.100 | -.3334 | -.4614 | -.2914 | -.1722 | .1468 | .1811 | |
| 101.400 | -.3706 | -.4490 | -.4964 | -.3132 | | .1820 | |
| 115.600 | -.4118 | -.4809 | -.5228 | -.2918 | | .1848 | |
| 133.800 | -.4172 | -.4397 | -.5127 | -.2047 | | .1848 | |
| 149.100 | -.4335 | -.4552 | -.4149 | -.2093 | | .1867 | |
| 180.000 | -.5251 | -.3147 | -.3438 | -.2464 | .1598 | .1876 | .1922 |

ALPHA ( 3) = 5.320 BETA ( 6) = -1.000 Q(PSF) = 60.518 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3331 | -.3300 | -.2470 | -.0655 | .1485 | .1559 | .1958 |
| 44.800 | -.3292 | -.2710 | -.2144 | -.1081 | .1513 | .1846 | |
| 50.100 | -.3354 | -.4564 | -.2827 | -.1683 | .1522 | .1846 | |
| 101.400 | -.3695 | -.4448 | -.4835 | -.2962 | | .1865 | |
| 115.600 | -.4114 | -.4781 | -.5130 | -.2731 | | .1911 | |
| 133.800 | -.4184 | -.4409 | -.5068 | -.1971 | | .1939 | |
| 149.100 | -.4378 | -.4564 | -.4161 | -.2100 | | .1948 | |
| 180.000 | -.5045 | -.2896 | -.3518 | -.2536 | .1670 | .1939 | .1958 |

ALPHA ( 3) = 5.320 BETA ( 7) = .000 Q(PSF) = 60.518 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3373 | -.3342 | -.2464 | -.0665 | .1514 | .1598 | .2015 |
| 44.800 | -.3311 | -.2713 | -.2138 | -.1054 | .1523 | .1876 | |
| 50.100 | -.3365 | -.4475 | -.2767 | -.1592 | .1551 | .1895 | |
| 101.400 | -.3691 | -.4382 | -.4731 | -.2817 | | .1895 | |
| 115.600 | -.4110 | -.4716 | -.5011 | -.2594 | | .1941 | |
| 133.800 | -.4203 | -.4421 | -.5050 | -.1908 | | .1969 | |
| 149.100 | -.4413 | -.4599 | -.4211 | -.2112 | | .1950 | |
| 180.000 | -.4778 | -.2953 | -.3605 | -.2585 | .1690 | .1960 | .2015 |

0A172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 3) = 5.320 BETA ( 8) = .980 Q(PSF) = 60.518 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3398 | -.3390 | -.2489 | -.0693 | .1533 | .1617 | .2026 |
| 44.800 | -.3351 | -.2753 | -.2132 | -.1027 | .1571 | .1895 | |
| 50.100 | -.3390 | -.4407 | -.2706 | -.1565 | .1543 | .1895 | |
| 101.400 | -.3693 | -.4353 | -.4632 | -.2707 | | .1923 | |
| 115.600 | -.4112 | -.4695 | -.4912 | -.2447 | | .1970 | |
| 133.800 | -.4244 | -.4446 | -.5005 | -.1844 | | .1988 | |
| 149.100 | -.4454 | -.4601 | -.4205 | -.2103 | | .1988 | |
| 180.000 | -.4889 | -.3149 | -.3653 | -.2642 | .1700 | .1979 | .2026 |

ALPHA ( 3) = 5.320 BETA ( 9) = 1.980 Q(PSF) = 60.518 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3441 | -.3433 | -.2525 | -.0590 | .1514 | .1606 | .2042 |
| 44.800 | -.3379 | -.2774 | -.2091 | -.0980 | .1597 | .1922 | |
| 50.100 | -.3402 | -.4318 | -.2665 | -.1480 | .1597 | .1903 | |
| 101.400 | -.3666 | -.4295 | -.4520 | -.2547 | | .1903 | |
| 115.600 | -.4093 | -.4644 | -.4799 | -.2287 | | .1912 | |
| 133.800 | -.4248 | -.4450 | -.4885 | -.1777 | | .1959 | |
| 149.100 | -.4559 | -.4706 | -.4341 | -.2185 | | .1949 | |
| 180.000 | -.4807 | -.3371 | -.3641 | -.2593 | .1634 | .1949 | .2042 |

ALPHA ( 3) = 5.320 BETA (10) = 3.980 Q(PSF) = 60.518 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3449 | -.3441 | -.2518 | -.0516 | .1523 | .1745 | .2247 |
| 44.800 | -.3387 | -.2727 | -.2029 | -.0868 | .1634 | .2043 | |
| 50.100 | -.3403 | -.4070 | -.2541 | -.1341 | .1579 | .2070 | |
| 101.400 | -.3635 | -.4248 | -.4349 | -.2315 | | .2043 | |
| 115.600 | -.4140 | -.4644 | -.4652 | -.2092 | | .2098 | |
| 133.800 | -.4419 | -.4559 | -.5056 | -.1777 | | .2108 | |
| 149.100 | -.4683 | -.4831 | -.4474 | -.2287 | | .2108 | |
| 180.000 | -.4714 | -.3496 | -.3595 | -.2575 | .1690 | .2080 | .2247 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 3) = 5.320 BETA (11) = 5.970 Q(PSF) = 60.518 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3462 | -.3423 | -.2508 | -.0553 | .1457 | .1809 | .2403 |
| 44.800 | -.3376 | -.2756 | -.1981 | -.0803 | .1549 | .2143 | |
| 50.100 | -.3400 | -.3950 | -.2516 | -.1312 | .1494 | .2143 | |
| 101.400 | -.3632 | -.4183 | -.4260 | -.2165 | | .2087 | |
| 115.600 | -.4260 | -.4702 | -.4625 | -.1961 | | .2180 | |
| 133.800 | -.4485 | -.4578 | -.4881 | -.1711 | | .2217 | |
| 149.100 | -.4803 | -.4889 | -.4462 | -.2183 | | .2189 | |
| 180.000 | -.4997 | -.3570 | -.3610 | -.2619 | .1763 | .2134 | .2403 |

ALPHA ( 3) = 5.320 BETA (12) = 7.980 Q(PSF) = 60.518 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3556 | -.3549 | -.2602 | -.0571 | .1411 | .1698 | .2292 |
| 44.800 | -.3471 | -.2687 | -.1850 | -.0701 | .1587 | .2032 | |
| 50.100 | -.3432 | -.3440 | -.2230 | -.0989 | .1587 | .2042 | |
| 101.400 | -.3618 | -.4076 | -.3921 | -.1878 | | .2060 | |
| 115.600 | -.4146 | -.4425 | -.4154 | -.1619 | | .2051 | |
| 133.800 | -.4627 | -.4681 | -.4767 | -.1369 | | .1921 | |
| 149.100 | -.5054 | -.5077 | -.4619 | -.2138 | | .1847 | |
| 180.000 | -.5185 | -.3719 | -.3732 | -.2750 | .1624 | .1819 | .2292 |

ALPHA ( 3) = 5.320 BETA (13) = 9.970 Q(PSF) = 60.518 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3650 | -.3611 | -.2688 | -.0711 | .1291 | .1569 | .2079 |
| 44.800 | -.3526 | -.2463 | -.1772 | -.0711 | .1476 | .2005 | |
| 50.100 | -.3433 | -.2890 | -.1912 | -.0822 | .1476 | .2005 | |
| 101.400 | -.3518 | -.3782 | -.3340 | -.1387 | | .2181 | |
| 115.600 | -.4015 | -.4084 | -.3363 | -.0794 | | .2126 | |
| 133.800 | -.4690 | -.4643 | -.4294 | -.0785 | | .1764 | |
| 149.100 | -.5194 | -.5163 | -.4573 | -.1869 | | .1726 | |
| 180.000 | -.5380 | -.3852 | -.3788 | -.2787 | .1569 | .1615 | .2079 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 4) = 10.590 BETA ( 1) = -9.960 Q(PSF) = 60.545 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3218 | -.3186 | -.2581 | -.0841 | .1514 | .1960 | .2675 |
| 44.800 | -.3303 | -.2692 | -.2402 | -.1629 | .1088 | .2136 | |
| 50.100 | -.3373 | -.4809 | -.3303 | -.2140 | .0995 | .2108 | |
| 101.400 | -.3256 | -.4335 | -.5399 | -.4060 | | .2424 | |
| 115.600 | -.4320 | -.5244 | -.6207 | -.4663 | | .2424 | |
| 133.800 | -.4568 | -.4863 | -.5849 | -.2928 | | .1830 | |
| 149.100 | -.4390 | -.4708 | -.4110 | -.2121 | | .1811 | |
| 180.000 | -.5360 | -.3645 | -.3587 | -.2436 | .1774 | .1922 | .2675 |

ALPHA ( 4) = 10.580 BETA ( 2) = -7.990 Q(PSF) = 60.545 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3257 | -.3241 | -.2558 | -.0748 | .1607 | .1960 | .2648 |
| 44.800 | -.3311 | -.2729 | -.2341 | -.1518 | .1180 | .2155 | |
| 50.100 | -.3381 | -.4600 | -.3133 | -.1936 | .1125 | .2137 | |
| 101.400 | -.3381 | -.4406 | -.5385 | -.3931 | | .2397 | |
| 115.600 | -.4344 | -.5222 | -.6083 | -.4357 | | .2350 | |
| 133.800 | -.4507 | -.4794 | -.5695 | -.2669 | | .2072 | |
| 149.100 | -.4352 | -.4647 | -.4033 | -.2001 | | .2109 | |
| 180.000 | -.4756 | -.3397 | -.3476 | -.2437 | .1811 | .2276 | .2648 |

ALPHA ( 4) = 10.580 BETA ( 3) = -5.960 Q(PSF) = 60.545 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3302 | -.3287 | -.2479 | -.0572 | .1634 | .1885 | .2526 |
| 44.800 | -.3318 | -.2759 | -.2309 | -.1379 | .1282 | .2108 | |
| 50.100 | -.3387 | -.4505 | -.2945 | -.1824 | .1208 | .2061 | |
| 101.400 | -.3496 | -.4490 | -.5343 | -.3780 | | .2238 | |
| 115.600 | -.4373 | -.5188 | -.5964 | -.4049 | | .2219 | |
| 133.800 | -.4482 | -.4730 | -.5561 | -.2464 | | .2154 | |
| 149.100 | -.4381 | -.4614 | -.4008 | -.1935 | | .2173 | |
| 180.000 | -.4327 | -.3271 | -.3437 | -.2380 | .1755 | .2201 | .2526 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 4) = 10.580 BETA ( 4) = -3.990 Q(PSF) = 60.545 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3372 | -.3364 | -.2479 | -.0581 | .1523 | .1653 | .2182 |
| 44.800 | -.3372 | -.2790 | -.2301 | -.1286 | .1347 | .1866 | |
| 50.100 | -.3387 | -.4474 | -.2821 | -.1759 | .1310 | .1857 | |
| 101.400 | -.3581 | -.4497 | -.5250 | -.3549 | | .1968 | |
| 115.600 | -.4327 | -.5103 | -.5755 | -.3660 | | .1959 | |
| 133.800 | -.4412 | -.4637 | -.5320 | -.2111 | | .2015 | |
| 149.100 | -.4249 | -.4420 | -.3783 | -.1759 | | .2006 | |
| 180.000 | -.4257 | -.3279 | -.3502 | -.2380 | .1634 | .2024 | .2182 |

ALPHA ( 4) = 10.580 BETA ( 5) = -2.000 Q(PSF) = 60.545 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3340 | -.3316 | -.2455 | -.0562 | .1597 | .1773 | .2358 |
| 44.800 | -.3332 | -.2828 | -.2238 | -.1183 | .1485 | .2042 | |
| 50.100 | -.3394 | -.4434 | -.2734 | -.1730 | .1504 | .2023 | |
| 101.400 | -.3642 | -.4480 | -.5101 | -.3316 | | .2061 | |
| 115.600 | -.4271 | -.4985 | -.5504 | -.3232 | | .2051 | |
| 133.800 | -.4317 | -.4472 | -.4969 | -.1860 | | .2023 | |
| 149.100 | -.4310 | -.4356 | -.3735 | -.1842 | | .2005 | |
| 180.000 | -.5373 | -.2952 | -.3473 | -.2639 | .1745 | .2061 | .2358 |

ALPHA ( 4) = 10.580 BETA ( 6) = .000 Q(PSF) = 60.545 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3425 | -.3401 | -.2517 | -.0673 | .1532 | .1726 | .2237 |
| 44.800 | -.3440 | -.2827 | -.2168 | -.1081 | .1550 | .1995 | |
| 50.100 | -.3417 | -.4294 | -.2641 | -.1591 | .1578 | .2014 | |
| 101.400 | -.3658 | -.4433 | -.4914 | -.3037 | | .2042 | |
| 115.600 | -.4208 | -.4891 | -.5232 | -.2861 | | .2042 | |
| 133.800 | -.4247 | -.4402 | -.4736 | -.1897 | | .2014 | |
| 149.100 | -.4472 | -.4542 | -.3952 | -.1879 | | .2014 | |
| 180.000 | -.5310 | -.2781 | -.3593 | -.2704 | .1754 | .1986 | .2237 |

0A172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 4) = 10.580 BETA ( 7) = .990 Q(PSF) = 60.545 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3470 | -.3455 | -.2524 | -.0571 | .1503 | .1716 | .2227 |
| 44.800 | -.3455 | -.2850 | -.2183 | -.1035 | .1605 | .2032 | |
| 50.100 | -.3423 | -.4207 | -.2663 | -.1554 | .1633 | .2023 | |
| 101.400 | -.3695 | -.4432 | -.4843 | -.2971 | | .2032 | |
| 115.600 | -.4215 | -.4796 | -.5091 | -.2703 | | .2013 | |
| 133.800 | -.4300 | -.4439 | -.4819 | -.1887 | | .2004 | |
| 149.100 | -.4517 | -.4618 | -.4044 | -.1915 | | .2004 | |
| 180.000 | -.5013 | -.3012 | -.3638 | -.2703 | .1754 | .2013 | .2227 |

ALPHA ( 4) = 10.580 BETA ( 8) = 1.980 Q(PSF) = 60.545 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3502 | -.3487 | -.2525 | -.0609 | .1569 | .1782 | .2339 |
| 44.800 | -.3479 | -.2796 | -.2106 | -.0961 | .1661 | .2107 | |
| 50.100 | -.3433 | -.3976 | -.2626 | -.1471 | .1699 | .2107 | |
| 101.400 | -.3689 | -.4395 | -.4736 | -.2806 | | .2070 | |
| 115.600 | -.4115 | -.4658 | -.4914 | -.2555 | | .2079 | |
| 133.800 | -.4348 | -.4457 | -.4922 | -.1860 | | .2033 | |
| 149.100 | -.4581 | -.4682 | -.4108 | -.1953 | | .2014 | |
| 180.000 | -.5070 | -.3177 | -.3705 | -.2778 | .1745 | .2023 | .2339 |

ALPHA ( 4) = 10.570 BETA ( 9) = 3.990 Q(PSF) = 60.545 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3601 | -.3585 | -.2624 | -.0599 | .1540 | .1651 | .2189 |
| 44.800 | -.3570 | -.2856 | -.2112 | -.0942 | .1679 | .1985 | |
| 50.100 | -.3430 | -.3911 | -.2531 | -.1386 | .1670 | .1994 | |
| 101.400 | -.3678 | -.4291 | -.4531 | -.2535 | | .1985 | |
| 115.600 | -.4167 | -.4709 | -.4849 | -.2359 | | .2022 | |
| 133.800 | -.4423 | -.4554 | -.5004 | -.1720 | | .1975 | |
| 149.100 | -.4624 | -.4733 | -.4267 | -.2007 | | .1985 | |
| 180.000 | -.4353 | -.3461 | -.3424 | -.2377 | .1623 | .2013 | .2189 |

0A172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 4) = 10.580 BETA (10) = 5.970 Q(PSF) = 60.545 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3564 | -.3548 | -.2594 | -.0590 | .1606 | .1865 | .2506 |
| 44.800 | -.3509 | -.2641 | -.1935 | -.0822 | .1819 | .2255 | |
| 50.100 | -.3401 | -.3377 | -.2292 | -.1109 | .1846 | .2255 | |
| 101.400 | -.3664 | -.4262 | -.4479 | -.2397 | | .2227 | |
| 115.600 | -.4339 | -.4828 | -.4890 | -.2203 | | .2283 | |
| 133.800 | -.4557 | -.4642 | -.5045 | -.1702 | | .2227 | |
| 149.100 | -.4781 | -.4844 | -.4355 | -.2091 | | .2255 | |
| 180.000 | -.4207 | -.3308 | -.3324 | -.2351 | .1772 | .2264 | .2506 |

ALPHA ( 4) = 10.580 BETA (11) = 7.980 Q(PSF) = 60.545 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3594 | -.3563 | -.2694 | -.0747 | .1531 | .1976 | .2663 |
| 44.800 | -.3524 | -.2423 | -.1826 | -.0812 | .1874 | .2329 | |
| 50.100 | -.3415 | -.2679 | -.1833 | -.0905 | .1939 | .2338 | |
| 101.400 | -.3656 | -.4245 | -.4354 | -.2156 | | .2366 | |
| 115.600 | -.4462 | -.4897 | -.4804 | -.2007 | | .2394 | |
| 133.800 | -.4703 | -.4726 | -.4990 | -.1609 | | .2338 | |
| 149.100 | -.4928 | -.4943 | -.4369 | -.1998 | | .2338 | |
| 180.000 | -.4586 | -.3439 | -.3379 | -.2387 | .1874 | .2199 | .2663 |

ALPHA ( 4) = 10.580 BETA (12) = 10.000 Q(PSF) = 60.545 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3679 | -.3632 | -.2764 | -.0858 | .1420 | .1966 | .2727 |
| 44.800 | -.3562 | -.2314 | -.1756 | -.0756 | .1827 | .2365 | |
| 50.100 | -.3407 | -.2267 | -.1593 | -.0840 | .1846 | .2356 | |
| 101.400 | -.3733 | -.4237 | -.4198 | -.1933 | | .2468 | |
| 115.600 | -.4508 | -.4826 | -.4601 | -.1794 | | .2430 | |
| 133.800 | -.4842 | -.4803 | -.4865 | -.1479 | | .2236 | |
| 149.100 | -.5090 | -.4989 | -.4206 | -.1664 | | .2115 | |
| 180.000 | -.5260 | -.3787 | -.3452 | -.2378 | .1837 | .1957 | .2727 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 5) = 15.880 BETA ( 1) = -9.960 Q(PSF) = 60.588 PO = 2122.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3565 | -.3519 | -.2813 | -.0905 | .1523 | .1968 | .2860 |
| 44.800 | -.3697 | -.2890 | -.2386 | -.1527 | .1031 | .2154 | |
| 50.100 | -.3628 | -.3930 | -.2983 | -.1925 | .0985 | .2117 | |
| 101.400 | -.3007 | -.4132 | -.5467 | -.4318 | | .2498 | |
| 115.600 | -.4559 | -.5506 | -.6569 | -.5301 | | .2553 | |
| 133.800 | -.5056 | -.5296 | -.6235 | -.3307 | | .2154 | |
| 149.100 | -.4489 | -.4753 | -.4039 | -.2129 | | .2024 | |
| 180.000 | -.4210 | -.3426 | -.3650 | -.2463 | .1523 | .2052 | .2860 |

ALPHA ( 5) = 15.880 BETA ( 2) = -7.980 Q(PSF) = 60.588 PO = 2122.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3476 | -.3453 | -.2709 | -.0803 | .1614 | .1892 | .2681 |
| 44.800 | -.3585 | -.2848 | -.2345 | -.1488 | .1132 | .2077 | |
| 50.100 | -.3631 | -.3903 | -.2748 | -.1794 | .1095 | .2068 | |
| 101.400 | -.3174 | -.4252 | -.5484 | -.4211 | | .2309 | |
| 115.600 | -.4531 | -.5453 | -.6422 | -.4971 | | .2356 | |
| 133.800 | -.4965 | -.5197 | -.6042 | -.3007 | | .2142 | |
| 149.100 | -.4492 | -.4701 | -.3910 | -.1951 | | .2096 | |
| 180.000 | -.4120 | -.3213 | -.3396 | -.2359 | .1595 | .2198 | .2681 |

ALPHA ( 5) = 15.880 BETA ( 3) = -5.980 Q(PSF) = 60.588 PO = 2122.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3592 | -.3577 | -.2740 | -.0719 | .1595 | .1669 | .2346 |
| 44.800 | -.3716 | -.2949 | -.2360 | -.1432 | .1243 | .1864 | |
| 50.100 | -.3654 | -.3895 | -.2608 | -.1701 | .1234 | .1855 | |
| 101.400 | -.3298 | -.4352 | -.5499 | -.4044 | | .1984 | |
| 115.600 | -.4460 | -.5344 | -.6251 | -.4516 | | .2022 | |
| 133.800 | -.4771 | -.4995 | -.5739 | -.2581 | | .1984 | |
| 149.100 | -.4274 | -.4429 | -.3709 | -.1812 | | .1994 | |
| 180.000 | -.4623 | -.3414 | -.3470 | -.2368 | .1530 | .2022 | .2346 |

OA172 TAILCONE PRESSURES GEAR ON (CF0002)

ALPHA ( 5) = 15.880 BETA ( 4) = -3.990 Q(PSF) = 60.588 PO = 2122.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3631 | -.3592 | -.2662 | -.0543 | .1595 | .1817 | .2495 |
| 44.800 | -.3708 | -.2887 | -.2298 | -.1312 | .1493 | .2114 | |
| 50.100 | -.3654 | -.3972 | -.2460 | -.1562 | .1540 | .2105 | |
| 101.400 | -.3398 | -.4406 | -.5406 | -.3794 | | .2049 | |
| 115.600 | -.4383 | -.5220 | -.6018 | -.4053 | | .2105 | |
| 133.800 | -.4646 | -.4840 | -.5429 | -.2108 | | .1956 | |
| 149.100 | -.4243 | -.4297 | -.3600 | -.1701 | | .1929 | |
| 180.000 | -.5042 | -.3042 | -.3720 | -.2905 | .1475 | .1956 | .2495 |

ALPHA ( 5) = 15.880 BETA ( 5) = -2.000 Q(PSF) = 60.588 PO = 2122.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3654 | -.3646 | -.2646 | -.0562 | .1512 | .1706 | .2318 |
| 44.800 | -.3700 | -.2817 | -.2243 | -.1136 | .1549 | .2021 | |
| 50.100 | -.3638 | -.3984 | -.2483 | -.1525 | .1595 | .2049 | |
| 101.400 | -.3537 | -.4483 | -.5312 | -.3516 | | .2012 | |
| 115.600 | -.4274 | -.5095 | -.5770 | -.3627 | | .2049 | |
| 133.800 | -.4460 | -.4623 | -.5018 | -.1914 | | .1966 | |
| 149.100 | -.4677 | -.4530 | -.3863 | -.1988 | | .1975 | |
| 180.000 | -.5405 | -.2987 | -.3645 | -.2942 | .1558 | .1984 | .2318 |

ALPHA ( 5) = 15.880 BETA ( 6) = -1.010 Q(PSF) = 60.588 PO = 2122.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3698 | -.3660 | -.2653 | -.0478 | .1529 | .1696 | .2261 |
| 44.800 | -.3737 | -.2838 | -.2195 | -.1070 | .1576 | .2020 | |
| 50.100 | -.3621 | -.3830 | -.2490 | -.1542 | .1622 | .2029 | |
| 101.400 | -.3613 | -.4488 | -.5247 | -.3430 | | .2002 | |
| 115.600 | -.4271 | -.5054 | -.5681 | -.3430 | | .2039 | |
| 133.800 | -.4395 | -.4519 | -.4821 | -.1922 | | .1983 | |
| 149.100 | -.4837 | -.4883 | -.4442 | -.2486 | | .1946 | |
| 180.000 | -.5457 | -.2862 | -.3616 | -.2903 | .1548 | .1955 | .2261 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 5) = 15.880 BETA ( 7) = .000 Q(PSF) = 60.588 PO = 2122.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3712 | -.3712 | -.2597 | -.0376 | .1491 | .1695 | .2251 |
| 44.800 | -.3750 | -.2821 | -.2186 | -.1042 | .1602 | .1982 | |
| 50.100 | -.3595 | -.3804 | -.2543 | -.1486 | .1658 | .1982 | |
| 101.400 | -.3665 | -.4532 | -.5206 | -.3345 | | .2000 | |
| 115.600 | -.4261 | -.5012 | -.5562 | -.3280 | | .2010 | |
| 133.800 | -.4501 | -.4563 | -.4695 | -.2032 | | .1926 | |
| 149.100 | -.4478 | -.4594 | -.4161 | -.2374 | | .1936 | |
| 180.000 | -.5469 | -.2868 | -.3650 | -.2938 | .1547 | .1908 | .2251 |

ALPHA ( 5) = 15.880 BETA ( 8) = .990 Q(PSF) = 60.588 PO = 2122.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3729 | -.3713 | -.2668 | -.0571 | .1492 | .1714 | .2270 |
| 44.800 | -.3768 | -.2823 | -.2203 | -.1015 | .1612 | .1992 | |
| 50.100 | -.3559 | -.3605 | -.2606 | -.1478 | .1631 | .1992 | |
| 101.400 | -.3682 | -.4534 | -.5139 | -.3199 | | .2011 | |
| 115.600 | -.4318 | -.4991 | -.5472 | -.3079 | | .2011 | |
| 133.800 | -.4821 | -.4891 | -.5108 | -.2264 | | .1927 | |
| 149.100 | -.4534 | -.4643 | -.4155 | -.2246 | | .1899 | |
| 180.000 | -.5263 | -.3032 | -.3745 | -.2967 | .1566 | .1909 | .2270 |

ALPHA ( 5) = 15.880 BETA ( 9) = 1.980 Q(PSF) = 60.588 PO = 2122.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3747 | -.3731 | -.2700 | -.0589 | .1502 | .1725 | .2309 |
| 44.800 | -.3770 | -.2801 | -.2197 | -.1025 | .1595 | .2012 | |
| 50.100 | -.3530 | -.3398 | -.2646 | -.1414 | .1567 | .1993 | |
| 101.400 | -.3770 | -.4545 | -.5018 | -.2969 | | .2003 | |
| 115.600 | -.4297 | -.4948 | -.5274 | -.2886 | | .2021 | |
| 133.800 | -.4421 | -.4530 | -.5173 | -.2377 | | .1919 | |
| 149.100 | -.4661 | -.4770 | -.4258 | -.2219 | | .1919 | |
| 180.000 | -.5119 | -.3165 | -.3812 | -.3025 | .1530 | .1928 | .2309 |

0A172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 5) = 15.870 BETA (10) = 3.980 Q(PSF) = 60.588 PO = 2122.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3765 | -.3765 | -.2788 | -.0636 | .1541 | .1791 | .2487 |
| 44.800 | -.3789 | -.2679 | -.2129 | -.0938 | .1661 | .2116 | |
| 50.100 | -.3517 | -.2890 | -.2276 | -.1202 | .1652 | .2106 | |
| 101.400 | -.3812 | -.4956 | -.4766 | -.2592 | | .2116 | |
| 115.600 | -.4370 | -.4983 | -.5286 | -.2768 | | .2125 | |
| 133.800 | -.4533 | -.4696 | -.5348 | -.2119 | | .1939 | |
| 149.100 | -.4743 | -.4844 | -.4301 | -.2110 | | .1856 | |
| 180.000 | -.4968 | -.3315 | -.3685 | -.2833 | .1439 | .1837 | .2487 |

ALPHA ( 5) = 15.870 BETA (11) = 5.970 Q(PSF) = 60.588 PO = 2122.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3807 | -.3768 | -.2823 | -.0765 | .1566 | .1687 | .2308 |
| 44.800 | -.3815 | -.2513 | -.1971 | -.0904 | .1844 | .2048 | |
| 50.100 | -.3497 | -.2389 | -.1847 | -.1006 | .1909 | .2057 | |
| 101.400 | -.3768 | -.4303 | -.4504 | -.2320 | | .2159 | |
| 115.600 | -.4597 | -.5178 | -.5310 | -.2533 | | .2141 | |
| 133.800 | -.4651 | -.4744 | -.5232 | -.1885 | | .2113 | |
| 149.100 | -.4837 | -.4868 | -.4287 | -.2024 | | .2057 | |
| 180.000 | -.4768 | -.3567 | -.3283 | -.2320 | .1539 | .2039 | .2308 |

ALPHA ( 5) = 15.870 BETA (12) = 7.970 Q(PSF) = 60.588 PO = 2122.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3756 | -.3725 | -.2841 | -.0831 | .1596 | .1985 | .2764 |
| 44.800 | -.3725 | -.2368 | -.1825 | -.0747 | .2003 | .2365 | |
| 50.100 | -.3461 | -.2058 | -.1531 | -.0803 | .2078 | .2384 | |
| 101.400 | -.3740 | -.4337 | -.4462 | -.2155 | | .2393 | |
| 115.600 | -.4872 | -.5400 | -.5338 | -.2359 | | .2412 | |
| 133.800 | -.4865 | -.4967 | -.5369 | -.1914 | | .2328 | |
| 149.100 | -.5059 | -.5082 | -.4508 | -.2183 | | .2254 | |
| 180.000 | -.4175 | -.3407 | -.3332 | -.2331 | .1670 | .2226 | .2764 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 5) = 15.870 BETA (13) = 9.990 Q(PSF) = 60.588 PO = 2122.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3863 | -.3839 | -.2937 | -.0889 | .1453 | .1983 | .2858 |
| 44.800 | -.3832 | -.2338 | -.1762 | -.0657 | .1945 | .2383 | |
| 50.100 | -.3450 | -.1871 | -.1318 | -.0657 | .2011 | .2411 | |
| 101.400 | -.3839 | -.4384 | -.4330 | -.1847 | | .2541 | |
| 115.600 | -.5100 | -.5559 | -.5256 | -.2042 | | .2532 | |
| 133.800 | -.5069 | -.5116 | -.5481 | -.1912 | | .2355 | |
| 149.100 | -.5341 | -.5341 | -.4812 | -.2405 | | .2253 | |
| 180.000 | -.4088 | -.3544 | -.3511 | -.2377 | .1620 | .2150 | .2858 |

ALPHA ( 6) = 21.200 BETA ( 1) = -9.960 Q(PSF) = 60.709 PO = 2122.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3760 | -.3737 | -.2986 | -.0941 | .1400 | .1890 | .2817 |
| 44.800 | -.3931 | -.2730 | -.2319 | -.1533 | .0946 | .2066 | |
| 50.100 | -.3830 | -.3001 | -.1986 | -.1579 | .0928 | .2011 | |
| 101.400 | -.2978 | -.4171 | -.5751 | -.4485 | | .2270 | |
| 115.600 | -.4085 | -.4938 | -.6750 | -.5596 | | .2345 | |
| 133.800 | -.5395 | -.5759 | -.6828 | -.3847 | | .2094 | |
| 149.100 | -.4790 | -.5046 | -.4209 | -.2283 | | .1983 | |
| 180.000 | -.4395 | -.3326 | -.3514 | -.2551 | .1316 | .1964 | .2817 |

ALPHA ( 6) = 21.210 BETA ( 2) = -7.980 Q(PSF) = 60.709 PO = 2122.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3697 | -.3658 | -.2884 | -.0857 | .1408 | .1492 | .2195 |
| 44.800 | -.3852 | -.2713 | -.2280 | -.1486 | .0992 | .1603 | |
| 50.100 | -.3844 | -.3039 | -.1885 | -.1505 | .0946 | .1593 | |
| 101.400 | -.3201 | -.4339 | -.5756 | -.4345 | | .1862 | |
| 115.600 | -.4278 | -.4990 | -.6600 | -.5233 | | .1899 | |
| 133.800 | -.5307 | -.5509 | -.6539 | -.3420 | | .1890 | |
| 149.100 | -.4533 | -.4727 | -.3945 | -.2152 | | .1899 | |
| 180.000 | -.4425 | -.3519 | -.3568 | -.2596 | .1297 | .1890 | .2195 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 6) = 21.210 BETA ( 3) = -5.980 Q(PSF) = 60.709 PO = 2122.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3858 | -.3796 | -.2921 | -.0792 | .1454 | .1676 | .2343 |
| 44.800 | -.3982 | -.2883 | -.2387 | -.1476 | .1112 | .1870 | |
| 50.100 | -.3873 | -.3463 | -.1954 | -.1523 | .1121 | .1852 | |
| 101.400 | -.3424 | -.4570 | -.5808 | -.4158 | | .1815 | |
| 115.600 | -.4175 | -.5158 | -.6342 | -.4732 | | .1852 | |
| 133.800 | -.4980 | -.5212 | -.6056 | -.2827 | | .1815 | |
| 149.100 | -.4198 | -.4291 | -.3688 | -.2004 | | .1787 | |
| 180.000 | -.4485 | -.3827 | -.4029 | -.2540 | .1149 | .1778 | .2343 |

ALPHA ( 6) = 21.210 BETA ( 4) = -3.990 Q(PSF) = 60.709 PO = 2122.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3783 | -.3760 | -.2833 | -.0745 | .1406 | .1674 | .2368 |
| 44.800 | -.3922 | -.2887 | -.2346 | -.1281 | .1314 | .1951 | |
| 50.100 | -.3845 | -.3714 | -.2067 | -.1511 | .1351 | .1951 | |
| 101.400 | -.3729 | -.4765 | -.5863 | -.3931 | | .1877 | |
| 115.600 | -.4208 | -.5159 | -.6280 | -.4421 | | .1896 | |
| 133.800 | -.4835 | -.5051 | -.5832 | -.2518 | | .1655 | |
| 149.100 | -.4425 | -.4471 | -.3714 | -.1936 | | .1637 | |
| 180.000 | -.5121 | -.3034 | -.3950 | -.3313 | .1221 | .1692 | .2368 |

ALPHA ( 6) = 21.220 BETA ( 5) = -2.000 Q(PSF) = 60.709 PO = 2122.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3911 | -.3850 | -.2797 | -.0542 | .1371 | .1630 | .2324 |
| 44.800 | -.4020 | -.2813 | -.2240 | -.1097 | .1371 | .1935 | |
| 50.100 | -.3857 | -.3408 | -.2147 | -.1421 | .1389 | .1944 | |
| 101.400 | -.3927 | -.4871 | -.5784 | -.3658 | | .1898 | |
| 115.600 | -.4322 | -.5289 | -.6280 | -.4158 | | .1972 | |
| 133.800 | -.4639 | -.4840 | -.5475 | -.2419 | | .1898 | |
| 149.100 | -.4414 | -.4445 | -.3808 | -.2234 | | .1916 | |
| 180.000 | -.5428 | -.3060 | -.3982 | -.3473 | .1389 | .1963 | .2324 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 6) = 21.220 BETA ( 6) = -1.010 Q(PSF) = 60.709 PO = 2122.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3934 | -.3911 | -.2781 | -.0450 | .1334 | .1620 | .2287 |
| 44.800 | -.4035 | -.2766 | -.2224 | -.1042 | .1380 | .1888 | |
| 50.100 | -.3834 | -.3184 | -.2216 | -.1384 | .1444 | .1907 | |
| 101.400 | -.3988 | -.4886 | -.5698 | -.3547 | | .1907 | |
| 115.600 | -.4406 | -.5335 | -.6271 | -.4055 | | .1935 | |
| 133.800 | -.4638 | -.4824 | -.5381 | -.2410 | | .1935 | |
| 149.100 | -.5366 | -.5226 | -.4584 | -.2613 | | .1925 | |
| 180.000 | -.5397 | -.3052 | -.4055 | -.3565 | .1389 | .1953 | .2287 |

ALPHA ( 6) = 21.220 BETA ( 7) = .000 Q(PSF) = 60.709 PO = 2122.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3941 | -.3895 | -.2788 | -.0440 | .1352 | .1620 | .2277 |
| 44.800 | -.4034 | -.2719 | -.2162 | -.1032 | .1407 | .1897 | |
| 50.100 | -.3817 | -.2881 | -.2224 | -.1356 | .1463 | .1906 | |
| 101.400 | -.4011 | -.4885 | -.5566 | -.3371 | | .1934 | |
| 115.600 | -.4514 | -.5372 | -.6223 | -.3861 | | .1981 | |
| 133.800 | -.4661 | -.4846 | -.5318 | -.2446 | | .1971 | |
| 149.100 | -.5419 | -.5620 | -.5458 | -.3537 | | .1944 | |
| 180.000 | -.5342 | -.3067 | -.4073 | -.3583 | .1407 | .1925 | .2277 |

ALPHA ( 6) = 21.220 BETA ( 8) = .980 Q(PSF) = 60.709 PO = 2122.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3963 | -.3932 | -.2811 | -.0468 | .1314 | .1629 | .2276 |
| 44.800 | -.4064 | -.2718 | -.2146 | -.1041 | .1435 | .1943 | |
| 50.100 | -.3801 | -.2633 | -.2246 | -.1318 | .1453 | .1915 | |
| 101.400 | -.4079 | -.4907 | -.5471 | -.3176 | | .1980 | |
| 115.600 | -.4651 | -.5541 | -.6229 | -.3749 | | .1998 | |
| 133.800 | -.5108 | -.5038 | -.5224 | -.2612 | | .1943 | |
| 149.100 | -.4636 | -.4829 | -.4876 | -.3388 | | .1915 | |
| 180.000 | -.5278 | -.3089 | -.4081 | -.3564 | .1388 | .1869 | .2276 |

0A172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 6) = 21.210 BETA ( 9) = 1.990 Q(PSF) = 60.709 PO = 2122.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4012 | -.3966 | -.2867 | -.0644 | .1380 | .1676 | .2352 |
| 44.800 | -.4066 | -.2681 | -.2170 | -.1116 | .1500 | .2009 | |
| 50.100 | -.3780 | -.2387 | -.2248 | -.1291 | .1500 | .1991 | |
| 101.400 | -.4136 | -.4949 | -.5367 | -.2984 | | .2046 | |
| 115.600 | -.4825 | -.5630 | -.6179 | -.3548 | | .2074 | |
| 133.800 | -.5537 | -.5846 | -.5947 | -.3076 | | .1963 | |
| 149.100 | -.4608 | -.4809 | -.4624 | -.2974 | | .1889 | |
| 180.000 | -.5173 | -.3130 | -.4084 | -.3501 | .1380 | .1889 | .2352 |

ALPHA ( 6) = 21.210 BETA (10) = 3.980 Q(PSF) = 60.709 PO = 2122.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4007 | -.3976 | -.2971 | -.0800 | .1387 | .1738 | .2451 |
| 44.800 | -.4061 | -.2593 | -.2144 | -.1114 | .1563 | .2080 | |
| 50.100 | -.3760 | -.2137 | -.2021 | -.1207 | .1526 | .2053 | |
| 101.400 | -.4138 | -.4826 | -.5020 | -.2721 | | .2191 | |
| 115.600 | -.5422 | -.6001 | -.6048 | -.3525 | | .2201 | |
| 133.800 | -.4355 | -.4618 | -.5677 | -.2767 | | .1932 | |
| 149.100 | -.4788 | -.4958 | -.4564 | -.2592 | | .1794 | |
| 180.000 | -.4772 | -.3250 | -.3848 | -.3229 | .1249 | .1738 | .2451 |

ALPHA ( 6) = 21.200 BETA (11) = 5.970 Q(PSF) = 60.709 PO = 2122.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4142 | -.4080 | -.3082 | -.0884 | .1463 | .1684 | .2379 |
| 44.800 | -.4196 | -.2541 | -.2030 | -.0856 | .1731 | .2073 | |
| 50.100 | -.3755 | -.1883 | -.1612 | -.0921 | .1777 | .2064 | |
| 101.400 | -.3995 | -.4483 | -.4668 | -.2419 | | .2156 | |
| 115.600 | -.5287 | -.5991 | -.6177 | -.3204 | | .2147 | |
| 133.800 | -.4808 | -.4985 | -.5813 | -.2557 | | .1897 | |
| 149.100 | -.4916 | -.5009 | -.4560 | -.2419 | | .1851 | |
| 180.000 | -.4444 | -.4049 | -.3944 | -.2659 | .1232 | .1860 | .2379 |

OA172 TAILCONE PRESSURES GEAR ON (CFG002)

ALPHA ( 6) = 21.200 BETA (12) = 7.980 Q(PSF) = 60.709 PO = 2122.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3968 | -.3929 | -.3010 | -.0874 | .1461 | .1655 | .2376 |
| 44.800 | -.4037 | -.2384 | -.1804 | -.0542 | .1710 | .2025 | |
| 50.100 | -.3728 | -.1673 | -.1217 | -.0505 | .1775 | .2025 | |
| 101.400 | -.3999 | -.4671 | -.4733 | -.2287 | | .2219 | |
| 115.600 | -.5792 | -.6456 | -.6333 | -.3025 | | .2163 | |
| 133.800 | -.5027 | -.5166 | -.5892 | -.2508 | | .2015 | |
| 149.100 | -.5104 | -.5150 | -.4663 | -.2619 | | .1988 | |
| 180.000 | -.4099 | -.3419 | -.3404 | -.2518 | .1323 | .1969 | .2376 |

ALPHA ( 6) = 21.190 BETA (13) = 9.990 Q(PSF) = 60.709 PO = 2122.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4053 | -.4015 | -.3078 | -.0913 | .1399 | .1982 | .2891 |
| 44.800 | -.4123 | -.2334 | -.1692 | -.0422 | .1825 | .2390 | |
| 50.100 | -.3713 | -.1428 | -.0902 | -.0274 | .1881 | .2400 | |
| 101.400 | -.4278 | -.4859 | -.4627 | -.2088 | | .2641 | |
| 115.600 | -.6175 | -.6779 | -.6330 | -.2680 | | .2604 | |
| 133.800 | -.5339 | -.5432 | -.6175 | -.2597 | | .2242 | |
| 149.100 | -.5540 | -.5540 | -.4859 | -.2578 | | .2075 | |
| 180.000 | -.4386 | -.3488 | -.3420 | -.2486 | .1399 | .1871 | .2891 |

OA172 TAILCONE PRESSURES GEAR ON (CFG003) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .260 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

ALPHA ( 1) = 10.920 BETA ( 1) = -9.970 Q(PSF) = 100.97 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2960 | -.2904 | -.2554 | -.0964 | .1473 | .1941 | .2727 |
| 44.800 | -.2224 | -.2522 | -.2489 | -.1760 | .1017 | .2119 | |
| 50.100 | -.2648 | -.4744 | -.3253 | -.2160 | .0878 | .2086 | |
| 101.400 | -.3300 | -.4437 | -.5503 | -.4181 | | .2454 | |
| 115.600 | -.4530 | -.5494 | -.6356 | -.4832 | | .2493 | |
| 133.800 | -.4716 | -.4972 | -.5988 | -.3040 | | .1841 | |
| 149.100 | -.4376 | -.4814 | -.4176 | -.2205 | | .1746 | |
| 180.000 | -.5535 | -.3752 | -.3669 | -.2561 | .1724 | .1891 | .2727 |

ALPHA ( 1) = 10.920 BETA ( 2) = -7.990 Q(PSF) = 100.97 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3187 | -.3122 | -.2586 | -.0874 | .1584 | .1985 | .2721 |
| 44.800 | -.2801 | -.2619 | -.2433 | -.1631 | .1128 | .2158 | |
| 50.100 | -.2801 | -.4677 | -.3099 | -.2004 | .1022 | .2130 | |
| 101.400 | -.3425 | -.4505 | -.5488 | -.4041 | | .2431 | |
| 115.600 | -.4528 | -.5465 | -.6242 | -.4519 | | .2392 | |
| 133.800 | -.4659 | -.4892 | -.5823 | -.2777 | | .2046 | |
| 149.100 | -.4347 | -.4719 | -.4095 | -.2076 | | .2080 | |
| 180.000 | -.4780 | -.3383 | -.3568 | -.2527 | .1812 | .2219 | .2721 |

ALPHA ( 1) = 10.920 BETA ( 3) = -5.970 Q(PSF) = 100.97 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3209 | -.3186 | -.2520 | -.0685 | .1606 | .1895 | .2569 |
| 44.800 | -.2836 | -.2664 | -.2366 | -.1519 | .1216 | .2073 | |
| 50.100 | -.2841 | -.4550 | -.2883 | -.1853 | .1111 | .2045 | |
| 101.400 | -.3525 | -.4564 | -.5429 | -.3877 | | .2252 | |
| 115.600 | -.4536 | -.5425 | -.6081 | -.4211 | | .2240 | |
| 133.800 | -.4615 | -.4820 | -.5662 | -.2559 | | .2162 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG003)

ALPHA ( 1) = 10.920 BETA ( 3) = -5.970

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4391 | -.4680 | -.4047 | -.1975 | | .2140 | |
| 180.000 | -.4359 | -.3302 | -.3421 | -.2409 | .1723 | .2196 | .2569 |

ALPHA ( 1) = 10.920 BETA ( 4) = -4.020 Q(PSF) = 100.97 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3324 | -.3296 | -.2538 | -.0640 | .1544 | .1655 | .2268 |
| 44.800 | -.3059 | -.2742 | -.2333 | -.1374 | .1322 | .1894 | |
| 50.100 | -.2905 | -.4627 | -.2798 | -.1802 | .1272 | .1889 | |
| 101.400 | -.3589 | -.4581 | -.5344 | -.3654 | | .2022 | |
| 115.600 | -.4468 | -.5316 | -.5879 | -.3782 | | .2028 | |
| 133.800 | -.4539 | -.4720 | -.5414 | -.2175 | | .2022 | |
| 149.100 | -.4292 | -.4488 | -.3808 | -.1830 | | .2017 | |
| 180.000 | -.4613 | -.3306 | -.3587 | -.2508 | .1633 | .2028 | .2268 |

ALPHA ( 1) = 10.920 BETA ( 5) = -2.000 Q(PSF) = 100.97 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3318 | -.3281 | -.2532 | -.0662 | .1566 | .1782 | .2356 |
| 44.800 | -.3062 | -.2802 | -.2267 | -.1268 | .1482 | .2038 | |
| 50.100 | -.2909 | -.4593 | -.2779 | -.1751 | .1499 | .2044 | |
| 101.400 | -.3667 | -.4570 | -.5165 | -.3402 | | .2072 | |
| 115.600 | -.4425 | -.5212 | -.5612 | -.3363 | | .2077 | |
| 133.800 | -.4449 | -.4556 | -.5026 | -.1924 | | .1988 | |
| 149.100 | -.4421 | -.4467 | -.3816 | -.1913 | | .1988 | |
| 180.000 | -.5616 | -.3053 | -.3502 | -.2702 | .1721 | .2038 | .2356 |

OA172 TAILCONE PRESSURES GEAR ON (CF0003)

ALPHA ( 1) = 10.920 BETA ( 6) = -1.020 Q(PSF) = 100.97 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3368 | -.3326 | -.2542 | -.0633 | .1524 | .1746 | .2291 |
| 44.800 | -.3127 | -.2839 | -.2240 | -.1194 | .1508 | .2018 | |
| 50.100 | -.2908 | -.4497 | -.2751 | -.1721 | .1546 | .2029 | |
| 101.400 | -.3703 | -.4552 | -.5077 | -.3280 | | .2052 | |
| 115.600 | -.4404 | -.5184 | -.5490 | -.3174 | | .2063 | |
| 133.800 | -.4381 | -.4520 | -.4873 | -.1937 | | .1990 | |
| 149.100 | -.4450 | -.4543 | -.3893 | -.1926 | | .1996 | |
| 180.000 | -.5620 | -.2908 | -.3563 | -.2681 | .1729 | .2001 | .2291 |

ALPHA ( 1) = 10.910 BETA ( 7) = .000 Q(PSF) = 100.97 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3397 | -.3369 | -.2579 | -.0734 | .1466 | .1727 | .2250 |
| 44.800 | -.3146 | -.2830 | -.2239 | -.1162 | .1538 | .2027 | |
| 50.100 | -.2914 | -.4407 | -.2728 | -.1607 | .1594 | .2027 | |
| 101.400 | -.3704 | -.4556 | -.5049 | -.3163 | | .2033 | |
| 115.600 | -.4374 | -.5119 | -.5388 | -.2969 | | .2011 | |
| 133.800 | -.4370 | -.4514 | -.4849 | -.1968 | | .1988 | |
| 149.100 | -.4505 | -.4639 | -.4025 | -.1957 | | .1977 | |
| 180.000 | -.5654 | -.2881 | -.3636 | -.2769 | .1738 | .1983 | .2250 |

ALPHA ( 1) = 10.910 BETA ( 8) = .980 Q(PSF) = 100.97 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3428 | -.3391 | -.2576 | -.0624 | .1523 | .1717 | .2230 |
| 44.800 | -.3177 | -.2823 | -.2218 | -.1113 | .1589 | .2012 | |
| 50.100 | -.2898 | -.4383 | -.2758 | -.1636 | .1617 | .2023 | |
| 101.400 | -.3722 | -.4509 | -.4956 | -.3083 | | .2007 | |
| 115.600 | -.4355 | -.5002 | -.5216 | -.2821 | | .2007 | |
| 133.800 | -.4411 | -.4485 | -.4918 | -.1987 | | .1968 | |
| 149.100 | -.4574 | -.4685 | -.4080 | -.1964 | | .1968 | |
| 180.000 | -.5179 | -.3102 | -.3656 | -.2732 | .1734 | .2001 | .2230 |

OA172 TAILCONE PRESSURES GEAR ON (CFG003)

ALPHA ( 1) = 10.910 BETA ( 9) = 1.970 Q(PSF) = 100.97 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3465 | -.3441 | -.2614 | -.0673 | .1542 | .1814 | .2343 |
| 44.800 | -.3223 | -.2781 | -.2163 | -.1095 | .1653 | .2120 | |
| 50.100 | -.2883 | -.4194 | -.2739 | -.1545 | .1676 | .2115 | |
| 101.400 | -.3720 | -.4487 | -.4850 | -.2950 | | .2054 | |
| 115.600 | -.4264 | -.4882 | -.5045 | -.2683 | | .2059 | |
| 133.800 | -.4450 | -.4534 | -.5008 | -.1956 | | .2031 | |
| 149.100 | -.4617 | -.4747 | -.4139 | -.2000 | | .1981 | |
| 180.000 | -.5194 | -.3241 | -.3694 | -.2816 | .1720 | .2020 | .2343 |

ALPHA ( 1) = 10.910 BETA (10) = 3.980 Q(PSF) = 100.97 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3581 | -.3581 | -.2705 | -.0658 | .1524 | .1641 | .2210 |
| 44.800 | -.3348 | -.2872 | -.2159 | -.1036 | .1674 | .1992 | |
| 50.100 | -.2863 | -.4000 | -.2672 | -.1482 | .1674 | .2003 | |
| 101.400 | -.3749 | -.4429 | -.4667 | -.2640 | | .1975 | |
| 115.600 | -.4308 | -.4914 | -.4988 | -.2479 | | .1986 | |
| 133.800 | -.4550 | -.4639 | -.5114 | -.1799 | | .1975 | |
| 149.100 | -.4690 | -.4820 | -.4289 | -.2061 | | .1953 | |
| 180.000 | -.4713 | -.3548 | -.3436 | -.2451 | .1630 | .1998 | .2210 |

ALPHA ( 1) = 10.910 BETA (11) = 5.960 Q(PSF) = 100.97 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3527 | -.3504 | -.2682 | -.0694 | .1580 | .1869 | .2519 |
| 44.800 | -.3281 | -.2617 | -.1934 | -.0939 | .1846 | .2230 | |
| 50.100 | -.2891 | -.3364 | -.2347 | -.1188 | .1858 | .2247 | |
| 101.400 | -.3745 | -.4363 | -.4535 | -.2437 | | .2258 | |
| 115.600 | -.4475 | -.5088 | -.5023 | -.2320 | | .2269 | |
| 133.800 | -.4660 | -.4697 | -.5134 | -.1743 | | .2235 | |
| 149.100 | -.4809 | -.4916 | -.4396 | -.2121 | | .2219 | |
| 180.000 | -.4261 | -.3332 | -.3286 | -.2332 | .1747 | .2230 | .2519 |

0A172 TAILCONE PRESSURES GEAR ON (CFG003)

ALPHA ( 1) = 10.900 BETA (12) = 7.960 Q(PSF) = 100.97 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3570 | -.3546 | -.2784 | -.0844 | .1536 | .1975 | .2725 |
| 44.800 | -.3305 | -.2455 | -.1837 | -.0911 | .1913 | .2358 | |
| 50.100 | -.2887 | -.2710 | -.1911 | -.0978 | .1947 | .2381 | |
| 101.400 | -.3704 | -.4341 | -.4443 | -.2221 | | .2369 | |
| 115.600 | -.4596 | -.5135 | -.4935 | -.2110 | | .2425 | |
| 133.800 | -.4796 | -.4801 | -.5089 | -.1716 | | .2358 | |
| 149.100 | -.4982 | -.5014 | -.4452 | -.2171 | | .2319 | |
| 180.000 | -.4471 | -.3398 | -.3426 | -.2454 | .1858 | .2197 | .2725 |

ALPHA ( 1) = 10.900 BETA (13) = 9.990 Q(PSF) = 100.97 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3591 | -.3554 | -.2819 | -.0939 | .1359 | .1943 | .2772 |
| 44.800 | -.3303 | -.2363 | -.1740 | -.0845 | .1815 | .2321 | |
| 50.100 | -.2866 | -.2270 | -.1638 | -.0862 | .1887 | .2360 | |
| 101.400 | -.3786 | -.4353 | -.4293 | -.1989 | | .2410 | |
| 115.600 | -.4702 | -.5107 | -.4781 | -.1878 | | .2405 | |
| 133.800 | -.4962 | -.4916 | -.5079 | -.1601 | | .2204 | |
| 149.100 | -.5176 | -.5116 | -.4391 | -.1939 | | .2054 | |
| 180.000 | -.5479 | -.3898 | -.3489 | -.2462 | .1776 | .1887 | .2772 |

OA172 TAILCONE PRESSURES GEAR ON (CFG004) , ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 25.000 BDFLAP = -11.700

ALPHA ( 1) = 10.630 BETA ( 1) = -10.000 Q(PSF) = 60.570 PO = 2121.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3882 | -.3875 | -.2944 | -.0859 | .1504 | .1912 | .2636 |
| 44.800 | -.3991 | -.3052 | -.2680 | -.1665 | .1050 | .2060 | |
| 50.100 | -.3968 | -.4969 | -.3339 | -.2259 | .0957 | .2014 | |
| 101.400 | -.3238 | -.4317 | -.5426 | -.4112 | | .2302 | |
| 115.600 | -.4263 | -.5201 | -.6225 | -.4706 | | .2330 | |
| 133.800 | -.4348 | -.4806 | -.5977 | -.3121 | | .1791 | |
| 149.100 | -.4201 | -.4767 | -.4689 | -.2537 | | .1717 | |
| 180.000 | -.5457 | -.4340 | -.4242 | -.2083 | .1301 | .1810 | .2636 |

ALPHA ( 1) = 10.630 BETA ( 2) = -8.010 Q(PSF) = 60.570 PO = 2121.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3852 | -.3813 | -.2859 | -.0757 | .1615 | .1996 | .2664 |
| 44.800 | -.3945 | -.3037 | -.2595 | -.1536 | .1170 | .2144 | |
| 50.100 | -.3953 | -.4752 | -.3185 | -.2009 | .1087 | .2116 | |
| 101.400 | -.3371 | -.4395 | -.5404 | -.3974 | | .2339 | |
| 115.600 | -.4286 | -.5194 | -.6102 | -.4419 | | .2302 | |
| 133.800 | -.4310 | -.4744 | -.5846 | -.2898 | | .2051 | |
| 149.100 | -.4178 | -.4705 | -.4628 | -.2435 | | .2088 | |
| 180.000 | -.4775 | -.4023 | -.4178 | -.2667 | .1940 | .2209 | .2664 |

ALPHA ( 1) = 10.630 BETA ( 3) = -6.010 Q(PSF) = 60.570 PO = 2121.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3833 | -.3817 | -.2755 | -.0543 | .1632 | .1929 | .2504 |
| 44.800 | -.3879 | -.3011 | -.2515 | -.1405 | .1262 | .2096 | |
| 50.100 | -.3941 | -.4631 | -.3003 | -.1905 | .1178 | .2059 | |
| 101.400 | -.3476 | -.4468 | -.5368 | -.3841 | | .2207 | |
| 115.600 | -.4321 | -.5174 | -.5996 | -.4146 | | .2189 | |
| 133.800 | -.4321 | -.4701 | -.5732 | -.2692 | | .2142 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG004)

ALPHA ( 1) = 10.630 BETA ( 3) = -6.010

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4197 | -.4693 | -.4608 | -.2349 | | .2179 | |
| 180.000 | -.4306 | -.3895 | -.4118 | -.2636 | .1818 | .2226 | .2504 |

ALPHA ( 1) = 10.620 BETA ( 3) = -4.010 Q(PSF) = 60.570 PO = 2121.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3912 | -.3873 | -.2726 | -.0544 | .1550 | .1689 | .2218 |
| 44.800 | -.3951 | -.3082 | -.2493 | -.1285 | .1337 | .1883 | |
| 50.100 | -.3959 | -.4587 | -.2912 | -.1859 | .1290 | .1865 | |
| 101.400 | -.3571 | -.4502 | -.5293 | -.3629 | | .2004 | |
| 115.600 | -.4300 | -.5138 | -.5805 | -.3778 | | .1995 | |
| 133.800 | -.4277 | -.4657 | -.5541 | -.2406 | | .2032 | |
| 149.100 | -.4153 | -.4571 | -.4401 | -.2119 | | .2041 | |
| 180.000 | -.4323 | -.3943 | -.4176 | -.2675 | .1689 | .2060 | .2218 |

ALPHA ( 1) = 10.620 BETA ( 5) = -2.030 Q(PSF) = 60.570 PO = 2121.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3858 | -.3835 | -.2679 | -.0581 | .1578 | .1800 | .2320 |
| 44.800 | -.3874 | -.3114 | -.2439 | -.1192 | .1485 | .2013 | |
| 50.100 | -.3951 | -.4525 | -.2796 | -.1785 | .1494 | .1995 | |
| 101.400 | -.3618 | -.4486 | -.5115 | -.3379 | | .2041 | |
| 115.600 | -.4246 | -.4983 | -.5533 | -.3361 | | .2060 | |
| 133.800 | -.4199 | -.4502 | -.5161 | -.2119 | | .2041 | |
| 149.100 | -.4215 | -.4517 | -.4316 | -.2165 | | .2032 | |
| 180.000 | -.4533 | -.3307 | -.4287 | -.3009 | .1800 | .2051 | .2320 |

0A172 TAILCONE PRESSURES GEAR ON (CFG004)

ALPHA ( 1) = 10.620 BETA ( 6) = -1.030 Q(PSF) = 60.570 PO = 2121.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3899 | -.3907 | -.2720 | -.0553 | .1532 | .1736 | .2238 |
| 44.800 | -.3923 | -.3178 | -.2456 | -.1137 | .1523 | .1978 | |
| 50.100 | -.3985 | -.4427 | -.2743 | -.1712 | .1569 | .1996 | |
| 101.400 | -.3643 | -.4489 | -.5040 | -.3261 | | .2043 | |
| 115.600 | -.4256 | -.4378 | -.5428 | -.3168 | | .2052 | |
| 133.800 | -.4194 | -.4497 | -.5009 | -.2120 | | .2043 | |
| 149.100 | -.4295 | -.4629 | -.4450 | -.2194 | | .2043 | |
| 180.000 | -.4458 | -.3069 | -.4272 | -.2973 | .1801 | .2043 | .2238 |

ALPHA ( 1) = 10.620 BETA ( 7) = -.020 Q(PSF) = 60.570 PO = 2121.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3955 | -.3931 | -.2761 | -.0691 | .1483 | .1705 | .2197 |
| 44.800 | -.3978 | -.3157 | -.2413 | -.1108 | .1557 | .2002 | |
| 50.100 | -.4001 | -.4350 | -.2699 | -.1672 | .1576 | .1983 | |
| 101.400 | -.3668 | -.4450 | -.4962 | -.3153 | | .1993 | |
| 115.600 | -.4210 | -.4907 | -.5279 | -.2968 | | .2011 | |
| 133.800 | -.4171 | -.4466 | -.4962 | -.2107 | | .2039 | |
| 149.100 | -.4381 | -.4714 | -.4567 | -.2218 | | .2039 | |
| 180.000 | -.4435 | -.3025 | -.4357 | -.3033 | .1789 | .2058 | .2197 |

ALPHA ( 1) = 10.620 BETA ( 8) = .960 Q(PSF) = 60.570 PO = 2121.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3989 | -.3974 | -.2772 | -.0608 | .1531 | .1716 | .2143 |
| 44.800 | -.4005 | -.3183 | -.2415 | -.1072 | .1596 | .1985 | |
| 50.100 | -.4013 | -.4292 | -.2679 | -.1618 | .1624 | .1985 | |
| 101.400 | -.3687 | -.4447 | -.4889 | -.3036 | | .1995 | |
| 115.600 | -.4191 | -.4827 | -.5160 | -.2823 | | .2032 | |
| 133.800 | -.4245 | -.4517 | -.5067 | -.2100 | | .2013 | |
| 149.100 | -.4455 | -.4819 | -.4680 | -.2239 | | .2022 | |
| 180.000 | -.4269 | -.3353 | -.4352 | -.2999 | .1781 | .2069 | .2143 |

OA172 TAILCONE PRESSURES GEAR ON (CFG004)

ALPHA ( 1) = 10.620 BETA ( 9) = 1.960 Q(PSF) = 60.570 PO = 2121.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4014 | -.3983 | -.2781 | -.0636 | .1532 | .1801 | .2311 |
| 44.800 | -.4007 | -.3138 | -.2346 | -.0979 | .1652 | .2079 | |
| 50.100 | -.4014 | -.4061 | -.2664 | -.1517 | .1680 | .2079 | |
| 101.400 | -.3681 | -.4395 | -.4775 | -.2889 | | .2070 | |
| 115.600 | -.4115 | -.4705 | -.4992 | -.2685 | | .2098 | |
| 133.800 | -.4278 | -.4550 | -.5178 | -.2064 | | .2060 | |
| 149.100 | -.4519 | -.4883 | -.4720 | -.2259 | | .2070 | |
| 180.000 | -.4449 | -.3549 | -.4409 | -.3084 | .1791 | .2070 | .2311 |

ALPHA ( 1) = 10.620 BETA (10) = 3.960 Q(PSF) = 60.570 PO = 2121.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4150 | -.4134 | -.2979 | -.0599 | .1539 | .1688 | .2170 |
| 44.800 | -.4165 | -.3243 | -.2390 | -.0951 | .1651 | .1966 | |
| 50.100 | -.4034 | -.3964 | -.2592 | -.1460 | .1660 | .2003 | |
| 101.400 | -.3677 | -.4297 | -.4584 | -.2590 | | .2003 | |
| 115.600 | -.4189 | -.4762 | -.4940 | -.2479 | | .1975 | |
| 133.800 | -.4398 | -.4661 | -.5250 | -.1914 | | .1993 | |
| 149.100 | -.4646 | -.5002 | -.4840 | -.2256 | | .2021 | |
| 180.000 | -.4382 | -.4072 | -.4071 | -.2654 | .1678 | .2030 | .2170 |

ALPHA ( 1) = 10.620 BETA (11) = 5.960 Q(PSF) = 60.570 PO = 2121.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4090 | -.4067 | -.2826 | -.0618 | .1586 | .1883 | .2496 |
| 44.800 | -.4059 | -.3012 | -.2175 | -.0840 | .1837 | .2226 | |
| 50.100 | -.4028 | -.3431 | -.2229 | -.1127 | .1846 | .2226 | |
| 101.400 | -.3679 | -.4291 | -.4524 | -.2461 | | .2264 | |
| 115.600 | -.4361 | -.4896 | -.4997 | -.2350 | | .2282 | |
| 133.800 | -.4571 | -.4788 | -.5307 | -.1897 | | .2254 | |
| 149.100 | -.4865 | -.5152 | -.4935 | -.2267 | | .2245 | |
| 180.000 | -.4260 | -.3873 | -.3888 | -.2554 | .1818 | .2199 | .2496 |

OA172 TAILCONE PRESSURES GEAR ON (CFG004)

ALPHA ( 1) = 10.610 BETA (12) = 7.960 Q(PSF) = 60.570 PO = 2121.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4135 | -.4095 | -.2933 | -.0784 | .1521 | .1984 | .2662 |
| 44.800 | -.4089 | -.2794 | -.2065 | -.0821 | .1873 | .2328 | |
| 50.100 | -.4073 | -.2755 | -.1840 | -.0923 | .1938 | .2346 | |
| 101.400 | -.3670 | -.4275 | -.4414 | -.2220 | | .2365 | |
| 115.600 | -.4499 | -.4972 | -.4895 | -.2127 | | .2383 | |
| 133.800 | -.4732 | -.4879 | -.5213 | -.1775 | | .2356 | |
| 149.100 | -.5057 | -.5275 | -.4887 | -.2090 | | .2328 | |
| 180.000 | -.4554 | -.3972 | -.3905 | -.2544 | .1957 | .2244 | .2662 |

ALPHA ( 1) = 10.620 BETA (13) = 9.950 Q(PSF) = 60.570 PO = 2121.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4230 | -.4192 | -.3036 | -.0849 | .1411 | .1939 | .2682 |
| 44.800 | -.4168 | -.2733 | -.2012 | -.0812 | .1809 | .2329 | |
| 50.100 | -.4137 | -.2307 | -.1632 | -.0831 | .1865 | .2375 | |
| 101.400 | -.3749 | -.4292 | -.4261 | -.2017 | | .2468 | |
| 115.600 | -.4579 | -.4928 | -.4719 | -.1915 | | .2468 | |
| 133.800 | -.4928 | -.4998 | -.5153 | -.1637 | | .2208 | |
| 149.100 | -.5246 | -.5355 | -.4696 | -.1656 | | .2069 | |
| 180.000 | -.5308 | -.4409 | -.3972 | -.2564 | .1837 | .1930 | .2682 |

OA172 TAILCONE PRESSURES GEAR ON (CFG005) ( 11 OCT 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 55.000 BDFLAP = -11.700

ALPHA ( 1) = 10.590 BETA ( 1) = -9.960 Q(PSF) = 60.585 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3922 | -.3898 | -.2973 | -.0916 | .1414 | .1823 | .2465 |
| 44.800 | -.4023 | -.3098 | -.2732 | -.1687 | .0987 | .1981 | |
| 50.100 | -.3929 | -.5002 | -.3393 | -.2300 | .0885 | .1925 | |
| 101.400 | -.3276 | -.4388 | -.5547 | -.4233 | | .2428 | |
| 115.600 | -.4217 | -.5236 | -.6378 | -.4976 | | .2437 | |
| 133.800 | -.4217 | -.4816 | -.6433 | -.3685 | | .1944 | |
| 149.100 | -.3951 | -.4903 | -.5026 | -.3504 | | .1683 | |
| 180.000 | -.5624 | -.5189 | -.6230 | -.3592 | .1814 | .1925 | .2465 |

ALPHA ( 1) = 10.590 BETA ( 2) = -7.980 Q(PSF) = 60.585 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3826 | -.3819 | -.2857 | -.0821 | .1503 | .1883 | .2551 |
| 44.800 | -.3912 | -.3035 | -.2624 | -.1600 | .1058 | .2004 | |
| 50.100 | -.3888 | -.4780 | -.3237 | -.2081 | .1012 | .1994 | |
| 101.400 | -.3431 | -.4462 | -.5540 | -.4129 | | .2375 | |
| 115.600 | -.4284 | -.5230 | -.6261 | -.4713 | | .2329 | |
| 133.800 | -.4206 | -.4757 | -.6308 | -.3481 | | .2134 | |
| 149.100 | -.3912 | -.4811 | -.5796 | -.3545 | | .2171 | |
| 180.000 | -.4842 | -.4726 | -.6084 | -.3703 | .1930 | .2245 | .2551 |

ALPHA ( 1) = 10.590 BETA ( 3) = -5.970 Q(PSF) = 60.585 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3766 | -.3750 | -.2718 | -.0636 | .1494 | .1773 | .2348 |
| 44.800 | -.3820 | -.2990 | -.2532 | -.1498 | .1133 | .1912 | |
| 50.100 | -.3859 | -.4681 | -.3044 | -.1990 | .1050 | .1865 | |
| 101.400 | -.3525 | -.4526 | -.5472 | -.3932 | | .2153 | |
| 115.600 | -.4285 | -.5185 | -.6132 | -.4418 | | .2032 | |
| 133.800 | -.4161 | -.4689 | -.6139 | -.3296 | | .2088 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG005)

ALPHA ( 1) = 10.590 BETA ( 3) = -5.970

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.3859 | -.4697 | -.5682 | -.3491 | | .2125 | |
| 180.000 | -.4239 | -.4448 | -.5910 | -.3843 | .1773 | .2181 | .2348 |

ALPHA ( 1) = 10.580 BETA ( 4) = -3.990 Q(PSF) = 60.585 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3805 | -.3774 | -.2688 | -.0655 | .1430 | .1597 | .2088 |
| 44.800 | -.3820 | -.3045 | -.2517 | -.1369 | .1189 | .1773 | |
| 50.100 | -.3875 | -.4666 | -.2983 | -.1943 | .1105 | .1717 | |
| 101.400 | -.3626 | -.4573 | -.5403 | -.3807 | | .1994 | |
| 115.600 | -.4286 | -.5139 | -.5969 | -.4057 | | .1865 | |
| 133.800 | -.4131 | -.4635 | -.5954 | -.3000 | | .1986 | |
| 149.100 | -.3820 | -.4565 | -.5496 | -.3288 | | .1995 | |
| 180.000 | -.4239 | -.4410 | -.6124 | -.4122 | .1699 | .2005 | .2088 |

ALPHA ( 1) = 10.580 BETA ( 5) = -2.000 Q(PSF) = 60.585 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3756 | -.3717 | -.2655 | -.0654 | .1419 | .1707 | .2198 |
| 44.800 | -.3763 | -.3097 | -.2461 | -.1284 | .1336 | .1883 | |
| 50.100 | -.3880 | -.4601 | -.2849 | -.1849 | .1345 | .1873 | |
| 101.400 | -.3655 | -.4554 | -.5252 | -.3563 | | .1985 | |
| 115.600 | -.4228 | -.5027 | -.5701 | -.3619 | | .2022 | |
| 133.800 | -.4050 | -.4492 | -.5554 | -.2748 | | .2068 | |
| 149.100 | -.3887 | -.4546 | -.5446 | -.3350 | | .2068 | |
| 180.000 | -.3562 | -.3779 | -.6092 | -.4508 | .1781 | .2050 | .2198 |

OA172 TAILCONE PRESSURES GEAR ON (CFG005)

ALPHA ( 1) = 10.580 BETA ( 6) = -1.010 Q(PSF) = 60.585 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3795 | -.3780 | -.2679 | -.0599 | .1383 | .1651 | .2152 |
| 44.800 | -.3811 | -.3121 | -.2438 | -.1201 | .1392 | .1883 | |
| 50.100 | -.3904 | -.4470 | -.2810 | -.1739 | .1438 | .1883 | |
| 101.400 | -.3679 | -.4540 | -.5152 | -.3443 | | .1948 | |
| 115.600 | -.4214 | -.4974 | -.5579 | -.3434 | | .2004 | |
| 133.800 | -.4051 | -.4477 | -.5455 | -.2767 | | .2041 | |
| 149.100 | -.3958 | -.4633 | -.5571 | -.3397 | | .2050 | |
| 180.000 | -.3299 | -.3423 | -.6028 | -.4444 | .1818 | .2041 | .2152 |

ALPHA ( 1) = 10.580 BETA ( 7) = .000 Q(PSF) = 60.585 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3830 | -.3823 | -.2715 | -.0774 | .1363 | .1604 | .2085 |
| 44.800 | -.3854 | -.3133 | -.2444 | -.1191 | .1391 | .1863 | |
| 50.100 | -.3923 | -.4411 | -.2761 | -.1700 | .1483 | .1863 | |
| 101.400 | -.3699 | -.4528 | -.5062 | -.3311 | | .1946 | |
| 115.600 | -.4210 | -.4915 | -.5419 | -.3264 | | .1965 | |
| 133.800 | -.4086 | -.4497 | -.5473 | -.2718 | | .2011 | |
| 149.100 | -.4016 | -.4729 | -.5705 | -.3459 | | .2020 | |
| 180.000 | -.3211 | -.3366 | -.6069 | -.4421 | .1798 | .2020 | .2085 |

ALPHA ( 1) = 10.580 BETA ( 8) = 1.980 Q(PSF) = 60.585 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3901 | -.3885 | -.2731 | -.0673 | .1409 | .1669 | .2178 |
| 44.800 | -.3901 | -.3110 | -.2390 | -.1080 | .1548 | .1974 | |
| 50.100 | -.3970 | -.4195 | -.2684 | -.1635 | .1548 | .1974 | |
| 101.400 | -.3722 | -.4474 | -.4900 | -.3070 | | .1965 | |
| 115.600 | -.4110 | -.4730 | -.5148 | -.2978 | | .2021 | |
| 133.800 | -.4203 | -.4590 | -.5721 | -.2709 | | .2067 | |
| 149.100 | -.4180 | -.4877 | -.5892 | -.3552 | | .2076 | |
| 180.000 | -.3699 | -.3893 | -.6107 | -.4672 | .1807 | .2095 | .2178 |

0A172 TAILCONE PRESSURES GEAR ON (CFG005)

ALPHA ( 1) = 10.580 BETA ( 9) = 3.990 Q(PSF) = 60.585 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4041 | -.4010 | -.2793 | -.0608 | .1410 | .1613 | .2104 |
| 44.800 | -.4033 | -.3219 | -.2406 | -.1025 | .1567 | .1937 | |
| 50.100 | -.3994 | -.4025 | -.2599 | -.1552 | .1595 | .1937 | |
| 101.400 | -.3723 | -.4358 | -.4684 | -.2802 | | .1928 | |
| 115.600 | -.4242 | -.4854 | -.5141 | -.2765 | | .1993 | |
| 133.800 | -.4335 | -.4738 | -.5730 | -.2534 | | .2021 | |
| 149.100 | -.4374 | -.5095 | -.6063 | -.3487 | | .2012 | |
| 180.000 | -.4134 | -.4498 | -.5867 | -.4200 | .1715 | .2012 | .2104 |

ALPHA ( 1) = 10.580 BETA (10) = 5.980 Q(PSF) = 60.585 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4020 | -.3997 | -.2826 | -.0682 | .1448 | .1790 | .2356 |
| 44.800 | -.4005 | -.3012 | -.2213 | -.0914 | .1716 | .2106 | |
| 50.100 | -.3981 | -.3477 | -.2345 | -.1192 | .1744 | .2143 | |
| 101.400 | -.3725 | -.4369 | -.4656 | -.2637 | | .2115 | |
| 115.600 | -.4439 | -.5028 | -.5222 | -.2628 | | .2171 | |
| 133.800 | -.4586 | -.4943 | -.5881 | -.2443 | | .2208 | |
| 149.100 | -.4695 | -.5385 | -.6230 | -.3267 | | .2208 | |
| 180.000 | -.4051 | -.4400 | -.5639 | -.3758 | .1744 | .2180 | .2356 |

ALPHA ( 1) = 10.580 BETA (11) = 7.980 Q(PSF) = 60.585 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4118 | -.4103 | -.2964 | -.0821 | .1437 | .1882 | .2522 |
| 44.800 | -.4095 | -.2809 | -.2119 | -.0913 | .1780 | .2253 | |
| 50.100 | -.4002 | -.2731 | -.1917 | -.0988 | .1845 | .2271 | |
| 101.400 | -.3715 | -.4359 | -.4560 | -.2395 | | .2346 | |
| 115.600 | -.4591 | -.5110 | -.5134 | -.2404 | | .2383 | |
| 133.800 | -.4816 | -.5095 | -.5754 | -.2238 | | .2355 | |
| 149.100 | -.5048 | -.5661 | -.6187 | -.2719 | | .2318 | |
| 180.000 | -.4599 | -.4777 | -.5673 | -.3506 | .1947 | .2262 | .2522 |

OA172 TAILCONE PRESSURES GEAR ON (CFG006) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700

ALPHA ( 1) = 10.570 BETA ( 1) = -10.010 Q(PSF) = 60.578 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3846 | -.3822 | -.3038 | -.1026 | .1217 | .1681 | .2331 |
| 44.800 | -.3892 | -.3069 | -.2728 | -.1796 | .0837 | .1774 | |
| 50.100 | -.3690 | -.5134 | -.3496 | -.2417 | .0763 | .1755 | |
| 101.400 | -.3388 | -.4490 | -.5724 | -.4430 | | .2201 | |
| 115.600 | -.4195 | -.5258 | -.6516 | -.5190 | | .2229 | |
| 133.800 | -.3939 | -.4653 | -.6686 | -.4170 | | .1941 | |
| 149.100 | -.3403 | -.4668 | -.6547 | -.4634 | | .1857 | |
| 180.000 | -.5266 | -.5305 | -.7490 | -.5422 | .1653 | .1848 | .2331 |

ALPHA ( 1) = 10.570 BETA ( 2) = -7.990 Q(PSF) = 60.578 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3719 | -.3688 | -.2918 | -.0944 | .1209 | .1544 | .2185 |
| 44.800 | -.3750 | -.3004 | -.2623 | -.1715 | .0847 | .1674 | |
| 50.100 | -.3633 | -.4962 | -.3361 | -.2207 | .0810 | .1646 | |
| 101.400 | -.3532 | -.4605 | -.5739 | -.4352 | | .2278 | |
| 115.600 | -.4239 | -.5265 | -.6447 | -.4928 | | .2194 | |
| 133.800 | -.3928 | -.4605 | -.6610 | -.3990 | | .1915 | |
| 149.100 | -.3369 | -.4605 | -.6509 | -.4649 | | .1897 | |
| 180.000 | -.4504 | -.4838 | -.7296 | -.5513 | .1785 | .1999 | .2185 |

ALPHA ( 1) = 10.560 BETA ( 3) = -5.980 Q(PSF) = 60.578 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3618 | -.3602 | -.2757 | -.0757 | .1216 | .1439 | .1893 |
| 44.800 | -.3625 | -.2935 | -.2524 | -.1572 | .0901 | .1578 | |
| 50.100 | -.3602 | -.4812 | -.3183 | -.2091 | .0846 | .1559 | |
| 101.400 | -.3633 | -.4649 | -.5650 | -.4186 | | .2023 | |
| 115.600 | -.4238 | -.5208 | -.6255 | -.4593 | | .1911 | |
| 133.800 | -.3874 | -.4548 | -.6402 | -.3759 | | .1642 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG006)

ALPHA ( 1) = 10.560 BETA ( 3) = -5.980

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.3284 | -.4432 | -.6356 | -.4556 | | .1642 | |
| 180.000 | -.3757 | -.4339 | -.6827 | -.5344 | .1253 | .1707 | .1893 |

ALPHA ( 1) = 10.560 BETA ( 4) = -3.990 Q(PSF) = 60.578 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3644 | -.3637 | -.2744 | -.0785 | .1217 | .1551 | .2052 |
| 44.800 | -.3644 | -.3016 | -.2519 | -.1481 | .0948 | .1672 | |
| 50.100 | -.3613 | -.4848 | -.3085 | -.2047 | .0865 | .1625 | |
| 101.400 | -.3738 | -.4723 | -.3640 | -.4050 | | .1830 | |
| 115.600 | -.4258 | -.5189 | -.6144 | -.4319 | | .1848 | |
| 133.800 | -.3893 | -.4514 | -.6292 | -.3577 | | .1774 | |
| 149.100 | -.3357 | -.4413 | -.6307 | -.4635 | | .1820 | |
| 180.000 | -.3854 | -.4452 | -.7158 | -.5970 | .1505 | .1913 | .2052 |

ALPHA ( 1) = 10.560 BETA ( 5) = -2.010 Q(PSF) = 60.578 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3621 | -.3582 | -.2691 | -.0747 | .1187 | .1520 | .2020 |
| 44.800 | -.3582 | -.3063 | -.2467 | -.1367 | .1076 | .1733 | |
| 50.100 | -.3621 | -.4798 | -.3001 | -.1996 | .1057 | .1724 | |
| 101.400 | -.3784 | -.4682 | -.5434 | -.3782 | | .1927 | |
| 115.600 | -.4210 | -.5085 | -.5844 | -.3866 | | .1918 | |
| 133.800 | -.3815 | -.4388 | -.5891 | -.3403 | | .1918 | |
| 149.100 | -.3389 | -.4372 | -.6294 | -.4625 | | .1881 | |
| 180.000 | -.2877 | -.3776 | -.7059 | -.6004 | .1622 | .1881 | .2020 |

OA172 TAILCONE PRESSURES GEAR ON (CFG006)

ALPHA ( 1) = 10.560 BETA ( 6) = -1.000 Q(PSF) = 60.578 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3617 | -.3609 | -.2733 | -.0803 | .1170 | .1531 | .2069 |
| 44.800 | -.3609 | -.3090 | -.2438 | -.1368 | .1133 | .1790 | |
| 50.100 | -.3648 | -.4664 | -.2911 | -.1924 | .1170 | .1781 | |
| 101.400 | -.3803 | -.4649 | -.5377 | -.3666 | | .1948 | |
| 115.600 | -.4206 | -.5029 | -.5711 | -.3694 | | .1948 | |
| 133.800 | -.3834 | -.4400 | -.5866 | -.3416 | | .1985 | |
| 149.100 | -.3408 | -.4462 | -.6479 | -.4824 | | .1939 | |
| 180.000 | -.2369 | -.3454 | -.6955 | -.6038 | .1744 | .1957 | .2069 |

ALPHA ( 1) = 10.560 BETA ( 7) = .000 Q(PSF) = 60.578 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3644 | -.3636 | -.2761 | -.0858 | .1104 | .1548 | .1992 |
| 44.800 | -.3629 | -.3086 | -.2459 | -.1293 | .1187 | .1807 | |
| 50.100 | -.3652 | -.4605 | -.2885 | -.1922 | .1187 | .1761 | |
| 101.400 | -.3807 | -.4636 | -.5279 | -.3569 | | .1890 | |
| 115.600 | -.4179 | -.4977 | -.5596 | -.3542 | | .1909 | |
| 133.800 | -.3892 | -.4450 | -.5960 | -.3412 | | .1965 | |
| 149.100 | -.3458 | -.4527 | -.6611 | -.5004 | | .1992 | |
| 180.000 | -.2234 | -.3296 | -.6985 | -.6244 | .1770 | .1992 | .1992 |

ALPHA ( 1) = 10.560 BETA ( 8) = .980 Q(PSF) = 60.578 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3689 | -.3666 | -.2735 | -.0840 | .1143 | .1504 | .1949 |
| 44.800 | -.3673 | -.3146 | -.2448 | -.1248 | .1198 | .1754 | |
| 50.100 | -.3673 | -.4465 | -.2905 | -.1888 | .1235 | .1764 | |
| 101.400 | -.3836 | -.4612 | -.5194 | -.3455 | | .1819 | |
| 115.600 | -.4131 | -.4861 | -.5450 | -.3408 | | .1819 | |
| 133.800 | -.3961 | -.4519 | -.6125 | -.3436 | | .1866 | |
| 149.100 | -.3557 | -.4612 | -.6723 | -.5031 | | .1912 | |
| 180.000 | -.2409 | -.3658 | -.6987 | -.5874 | .1588 | .1875 | .1949 |

0A172 TAILCONE PRESSURES GEAR ON (CFG006)

ALPHA ( 1) = 10.560 BETA ( 9) = 1.970 Q(PSF) = 60.578 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3697 | -.3682 | -.2760 | -.0866 | .1149 | .1538 | .2029 |
| 44.800 | -.3682 | -.3093 | -.2388 | -.1190 | .1260 | .1816 | |
| 50.100 | -.3682 | -.4309 | -.2837 | -.1782 | .1288 | .1779 | |
| 101.400 | -.3821 | -.4564 | -.5083 | -.3291 | | .1853 | |
| 115.600 | -.4100 | -.4797 | -.5331 | -.3291 | | .1880 | |
| 133.800 | -.4022 | -.4580 | -.6206 | -.3439 | | .1899 | |
| 149.100 | -.3620 | -.4665 | -.6779 | -.5141 | | .1927 | |
| 180.000 | -.2868 | -.3728 | -.6991 | -.6334 | .1547 | .1955 | .2029 |

ALPHA ( 1) = 10.560 BETA (10) = 3.980 Q(PSF) = 60.578 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3863 | -.3824 | -.2848 | -.0802 | .1197 | .1539 | .1984 |
| 44.800 | -.3832 | -.3188 | -.2398 | -.1145 | .1382 | .1817 | |
| 50.100 | -.3692 | -.4165 | -.2778 | -.1654 | .1391 | .1854 | |
| 101.400 | -.3832 | -.4498 | -.4924 | -.3071 | | .1863 | |
| 115.600 | -.4328 | -.5048 | -.5451 | -.3182 | | .1891 | |
| 133.800 | -.4204 | -.4762 | -.6304 | -.3349 | | .1947 | |
| 149.100 | -.3925 | -.4971 | -.7125 | -.5210 | | .1928 | |
| 180.000 | -.3607 | -.4428 | -.6867 | -.5951 | .1576 | .1845 | .1984 |

ALPHA ( 1) = 10.560 BETA (11) = 5.970 Q(PSF) = 60.578 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3799 | -.3791 | -.2838 | -.0783 | .1168 | .1409 | .1909 |
| 44.800 | -.3775 | -.2970 | -.2203 | -.1061 | .1418 | .1686 | |
| 50.100 | -.3682 | -.3628 | -.2459 | -.1376 | .1418 | .1705 | |
| 101.400 | -.3853 | -.4503 | -.4898 | -.2967 | | .1622 | |
| 115.600 | -.4558 | -.5200 | -.5510 | -.3041 | | .1779 | |
| 133.800 | -.4495 | -.5022 | -.6440 | -.3347 | | .1770 | |
| 149.100 | -.4263 | -.5270 | -.7307 | -.5050 | | .1761 | |
| 180.000 | -.3559 | -.4287 | -.6558 | -.5179 | .1177 | .1714 | .1909 |

0A172 TAILCONE PRESSURES GEAR ON (CFG006)

ALPHA ( 1) = 10.570 BETA (12) = 7.980 Q(PSF) = 60.578 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3891 | -.3906 | -.2954 | -.0931 | .1168 | .1686 | .2353 |
| 44.800 | -.3852 | -.2768 | -.2079 | -.1024 | .1510 | .1992 | |
| 50.100 | -.3721 | -.2869 | -.2017 | -.1107 | .1557 | .2047 | |
| 101.400 | -.3852 | -.4510 | -.4781 | -.2717 | | .2224 | |
| 115.600 | -.4735 | -.5347 | -.5471 | -.2884 | | .2177 | |
| 133.800 | -.4766 | -.5231 | -.6408 | -.3208 | | .2140 | |
| 149.100 | -.4665 | -.5626 | -.7469 | -.4706 | | .2168 | |
| 180.000 | -.4131 | -.4689 | -.6788 | -.5243 | .1834 | .2075 | .2353 |

ALPHA ( 1) = 10.580 BETA (13) = 10.000 Q(PSF) = 60.578 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4085 | -.4054 | -.3099 | -.1017 | .1133 | .1708 | .2339 |
| 44.800 | -.4015 | -.2727 | -.2044 | -.0952 | .1532 | .2051 | |
| 50.100 | -.3728 | -.2455 | -.1772 | -.0970 | .1541 | .2089 | |
| 101.400 | -.3945 | -.4527 | -.4659 | -.2518 | | .2423 | |
| 115.600 | -.4830 | -.5280 | -.5264 | -.2657 | | .2395 | |
| 133.800 | -.5109 | -.5443 | -.6366 | -.2936 | | .2172 | |
| 149.100 | -.4985 | -.5807 | -.7173 | -.3594 | | .2042 | |
| 180.000 | -.4969 | -.5140 | -.6848 | -.5263 | .1791 | .1968 | .2339 |

OA172 TAILCONE PRESSURES GEAR ON (CFG007) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BOFLAP = .000

ALPHA ( 1) = .070 BETA ( 1) = -9.970 Q(PSF) = 60.615 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2039 | -.2085 | -.2380 | -.2521 | .1097 | .0967 | .1227 |
| 44.800 | -.1969 | -.2000 | -.2171 | -.2586 | .0995 | .1181 | |
| 50.100 | -1.7544 | -.2652 | -.3608 | -.2391 | .0940 | .1209 | |
| 101.400 | -.3398 | -.4330 | -.5200 | -.3533 | | .1283 | |
| 115.600 | -.3654 | -.4579 | -.5449 | -.3514 | | .1292 | |
| 133.800 | -.3662 | -.4152 | -.5534 | -.2726 | | .1237 | |
| 149.100 | -.3911 | -.4403 | -.4305 | -.2819 | | .1227 | |
| 180.000 | -.5224 | -.3716 | -.4368 | -.3505 | .1367 | .1172 | .1227 |

ALPHA ( 1) = .070 BETA ( 2) = -7.980 Q(PSF) = 60.615 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1881 | -.1850 | -.2137 | -.2296 | .1050 | .1013 | .1180 |
| 44.800 | -.1842 | -.1842 | -.2005 | -.2398 | .1003 | .1207 | |
| 50.100 | -1.7408 | -.2634 | -.3387 | -.2148 | .0957 | .1263 | |
| 101.400 | -.3464 | -.4372 | -.5140 | -.3381 | | .1245 | |
| 115.600 | -.3759 | -.4636 | -.5388 | -.3297 | | .1282 | |
| 133.800 | -.3712 | -.4178 | -.5474 | -.2593 | | .1254 | |
| 149.100 | -.3953 | -.4411 | -.4387 | -.2583 | | .1180 | |
| 180.000 | -.5024 | -.3565 | -.4215 | -.3446 | .1365 | .1170 | .1180 |

ALPHA ( 1) = .070 BETA ( 3) = -5.950 Q(PSF) = 60.615 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1739 | -.1832 | -.2204 | -.2283 | .1104 | .1067 | .1280 |
| 44.800 | -.1871 | -.1832 | -.1979 | -.2357 | .1039 | .1307 | |
| 50.100 | -1.7459 | -.2715 | -.3281 | -.2237 | .1020 | .1335 | |
| 101.400 | -.3575 | -.4435 | -.5078 | -.3246 | | .1335 | |
| 115.600 | -.3877 | -.4683 | -.5295 | -.3098 | | .1382 | |
| 133.800 | -.3823 | -.4241 | -.5427 | -.2496 | | .1344 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG007)

ALPHA ( 1) = .070 BETA ( 3) = -5.950

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4063 | -.4466 | -.4435 | -.2589 | | .1289 | |
| 180.000 | -.4822 | -.3412 | -.4051 | -.3357 | .1382 | .1233 | .1280 |

ALPHA ( 1) = .070 BETA ( 4) = -3.970 Q(PSF) = 60.615 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1879 | -.1948 | -.2227 | -.2330 | .1224 | .1252 | .1419 |
| 44.800 | -.1853 | -.1925 | -.2057 | -.2487 | .1169 | .1484 | |
| 50.100 | -1.7129 | -.2754 | -.3126 | -.2293 | .1141 | .1456 | |
| 101.400 | -.3630 | -.4459 | -.4994 | -.3108 | | .1447 | |
| 115.600 | -.3971 | -.4733 | -.5218 | -.2815 | | .1530 | |
| 133.800 | -.3932 | -.4304 | -.5412 | -.2404 | | .1456 | |
| 149.100 | -.4165 | -.4529 | -.4505 | -.2617 | | .1502 | |
| 180.000 | -.4986 | -.3273 | -.3867 | -.3200 | .1428 | .1539 | .1419 |

ALPHA ( 1) = .070 BETA ( 5) = -2.000 Q(PSF) = 60.615 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1900 | -.1931 | -.2178 | -.2410 | .1232 | .1352 | .1722 |
| 44.800 | -.1969 | -.1822 | -.2039 | -.2595 | .1251 | .1547 | |
| 50.100 | -1.6435 | -.2766 | -.3061 | -.2373 | .1214 | .1565 | |
| 101.400 | -.3672 | -.4454 | -.4864 | -.2956 | | .1510 | |
| 115.600 | -.4075 | -.4771 | -.5104 | -.2697 | | .1565 | |
| 133.800 | -.4036 | -.4392 | -.5367 | -.2318 | | .1639 | |
| 149.100 | -.4284 | -.4632 | -.4570 | -.2660 | | .1630 | |
| 180.000 | -.5081 | -.3254 | -.3779 | -.3104 | .1436 | .1611 | .1722 |

OA172 TAILCONE PRESSURES GEAR ON (CFG007)

ALPHA ( 1) = .070 BETA ( 6) = -1.000 Q(PSF) = 60.615 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1973 | -.1988 | -.2236 | -.2470 | .1271 | .1318 | .1716 |
| 44.800 | -.1965 | -.1957 | -.2120 | -.2628 | .1271 | .1623 | |
| 50.100 | -1.6106 | -.2763 | -.3019 | -.2415 | .1271 | .1595 | |
| 101.400 | -.3678 | -.4407 | -.4802 | -.2859 | | .1540 | |
| 115.600 | -.4105 | -.4756 | -.5051 | -.2581 | | .1642 | |
| 133.800 | -.4097 | -.4454 | -.5384 | -.2276 | | .1670 | |
| 149.100 | -.4337 | -.4678 | -.4640 | -.2702 | | .1679 | |
| 180.000 | -.4973 | -.3174 | -.3795 | -.3109 | .1466 | .1697 | .1716 |

ALPHA ( 1) = .070 BETA ( 7) = .000 Q(PSF) = 60.615 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1969 | -.2077 | -.2348 | -.2428 | .1315 | .1371 | .1768 |
| 44.800 | -.1992 | -.1984 | -.2124 | -.2604 | .1297 | .1639 | |
| 50.100 | -1.5750 | -.2758 | -.3013 | -.2382 | .1287 | .1629 | |
| 101.400 | -.3671 | -.4368 | -.4700 | -.2752 | | .1657 | |
| 115.600 | -.4151 | -.4778 | -.4979 | -.2484 | | .1685 | |
| 133.800 | -.4166 | -.4491 | -.5366 | -.2253 | | .1713 | |
| 149.100 | -.4422 | -.4723 | -.4693 | -.2733 | | .1694 | |
| 180.000 | -.4925 | -.3191 | -.3834 | -.3122 | .1454 | .1713 | .1768 |

ALPHA ( 1) = .070 BETA ( 8) = .980 Q(PSF) = 60.615 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1998 | -.2022 | -.2332 | -.2464 | .1319 | .1366 | .1774 |
| 44.800 | -.2006 | -.2014 | -.2177 | -.2603 | .1301 | .1662 | |
| 50.100 | -1.5374 | -.2775 | -.2953 | -.2418 | .1291 | .1681 | |
| 101.400 | -.3667 | -.4343 | -.4630 | -.2659 | | .1672 | |
| 115.600 | -.4203 | -.4801 | -.4956 | -.2399 | | .1774 | |
| 133.800 | -.4250 | -.4560 | -.5391 | -.2232 | | .1737 | |
| 149.100 | -.4514 | -.4809 | -.4777 | -.2789 | | .1737 | |
| 180.000 | -.4948 | -.3303 | -.3911 | -.3187 | .1477 | .1709 | .1774 |

DATE 08 APR 81 OA259 ( AEDC V41B 14 ) (CFG007)

OA172 TAILCONE PRESSURES GEAR ON

ALPHA ( 1) = .070 BETA ( 9) = 1.980 Q(PSF) = 60.615 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1935 | -.1966 | -.2314 | -.2407 | .1323 | .1387 | .1692 |
| 44.800 | -.2028 | -.1989 | -.2190 | -.2554 | .1313 | .1664 | |
| 50.100 | -1.4810 | -.2708 | -.2909 | -.2379 | .1341 | .1655 | |
| 101.400 | -.3643 | -.4300 | -.4532 | -.2591 | | .1757 | |
| 115.600 | -.4238 | -.4787 | -.4880 | -.2296 | | .1812 | |
| 133.800 | -.4315 | -.4594 | -.5374 | -.2194 | | .1747 | |
| 149.100 | -.4571 | -.4841 | -.4826 | -.2841 | | .1710 | |
| 180.000 | -.4895 | -.3380 | -.3884 | -.3173 | .1480 | .1747 | .1692 |

ALPHA ( 1) = .070 BETA (10) = 3.980 Q(PSF) = 60.615 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1991 | -.1999 | -.2232 | -.2455 | .1320 | .1329 | .1552 |
| 44.800 | -.2030 | -.2038 | -.2201 | -.2502 | .1338 | .1672 | |
| 50.100 | -1.4609 | -.2729 | -.2900 | -.2316 | .1320 | .1700 | |
| 101.400 | -.3661 | -.4282 | -.4476 | -.2455 | | .1830 | |
| 115.600 | -.4336 | -.4864 | -.4794 | -.2103 | | .1886 | |
| 133.800 | -.4445 | -.4755 | -.5462 | -.2158 | | .1765 | |
| 149.100 | -.4740 | -.5027 | -.5019 | -.2975 | | .1672 | |
| 180.000 | -.4849 | -.3536 | -.3995 | -.3300 | .1477 | .1644 | .1552 |

ALPHA ( 1) = .070 BETA (11) = 5.970 Q(PSF) = 60.615 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2048 | -.2056 | -.2273 | -.2486 | .1233 | .1215 | .1455 |
| 44.800 | -.2087 | -.2087 | -.2242 | -.2449 | .1261 | .1594 | |
| 50.100 | -1.4458 | -.2699 | -.2885 | -.2264 | .1307 | .1594 | |
| 101.400 | -.3652 | -.4148 | -.4186 | -.2283 | | .1770 | |
| 115.600 | -.4434 | -.4822 | -.4612 | -.1940 | | .1798 | |
| 133.800 | -.4674 | -.4891 | -.5464 | -.2126 | | .1529 | |
| 149.100 | -.4976 | -.5178 | -.5193 | -.3107 | | .1492 | |
| 180.000 | -.5162 | -.3667 | -.4097 | -.3412 | .1428 | .1418 | .1455 |

0A172 TAILCONE PRESSURES GEAR ON (CFG007)

ALPHA ( 1) = .070 BETA (12) = 7.980 Q(PSF) = 60.615 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1990 | -.1974 | -.2284 | -.2435 | .1129 | .1046 | .1212 |
| 44.800 | -.2028 | -.2059 | -.2152 | -.2361 | .1184 | .1397 | |
| 50.100 | -1.4164 | -.2716 | -.2894 | -.2186 | .1203 | .1378 | |
| 101.400 | -.3652 | -.4061 | -.3976 | -.2176 | | .1628 | |
| 115.600 | -.4517 | -.4819 | -.4456 | -.1761 | | .1535 | |
| 133.800 | -.4865 | -.5035 | -.5507 | -.2093 | | .1175 | |
| 149.100 | -.5182 | -.5360 | -.5375 | -.3257 | | .1157 | |
| 180.000 | -.5259 | -.3837 | -.4162 | -.3442 | .1332 | .1194 | .1212 |

ALPHA ( 1) = .070 BETA (13) = 9.980 Q(PSF) = 60.615 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2136 | -.2121 | -.2338 | -.2536 | .1096 | .0984 | .1022 |
| 44.800 | -.2183 | -.2113 | -.2330 | -.2397 | .1235 | .1383 | |
| 50.100 | -1.3056 | -.2710 | -.2919 | -.2147 | .1290 | .1401 | |
| 101.400 | -.3656 | -.4028 | -.3866 | -.2100 | | .1595 | |
| 115.600 | -.4556 | -.4788 | -.4261 | -.1655 | | .1476 | |
| 133.800 | -.5099 | -.5238 | -.5564 | -.1998 | | .1068 | |
| 149.100 | -.5432 | -.5587 | -.5572 | -.3435 | | .0984 | |
| 180.000 | -.5432 | -.3997 | -.4194 | -.3462 | .1355 | .1059 | .1022 |

ALPHA ( 2) = 10.610 BETA ( 1) = -9.970 Q(PSF) = 60.585 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2563 | -.2532 | -.2936 | -.3055 | .1332 | .1359 | .1768 |
| 44.800 | -.2462 | -.2485 | -.2625 | -.3371 | .0969 | .1452 | |
| 50.100 | -1.6506 | -.2882 | -.3427 | -.3129 | .0699 | .1397 | |
| 101.400 | -.3162 | -.4290 | -.5403 | -.4171 | | .1211 | |
| 115.600 | -.4399 | -.5364 | -.6344 | -.4812 | | .1294 | |
| 133.800 | -.4594 | -.4990 | -.6002 | -.3045 | | .0802 | |
| 149.100 | -.4500 | -.4827 | -.4251 | -.2237 | | .0737 | |
| 180.000 | -.5372 | -.3753 | -.3696 | -.2674 | .1397 | .0783 | .1768 |

0A172 TAILCONE PRESSURES GEAR ON (CFG007)

ALPHA ( 2) = 10.610 BETA ( 2) = -7.990 Q(PSF) = 60.585 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2403 | -.2489 | -.2870 | -.3022 | .1413 | .1459 | .1877 |
| 44.800 | -.2411 | -.2334 | -.2559 | -.3236 | .1079 | .1598 | |
| 50.100 | -1.5530 | -.2784 | -.3204 | -.3069 | .0856 | .1524 | |
| 101.400 | -.3320 | -.4376 | -.5371 | -.4034 | | .1543 | |
| 115.600 | -.4376 | -.5301 | -.6178 | -.4489 | | .1524 | |
| 133.800 | -.4508 | -.4858 | -.5798 | -.2762 | | .1209 | |
| 149.100 | -.4423 | -.4703 | -.4128 | -.2085 | | .1144 | |
| 180.000 | -.4703 | -.3413 | -.3533 | -.2605 | .1515 | .1274 | .1877 |

ALPHA ( 2) = 10.600 BETA ( 3) = -5.980 Q(PSF) = 60.585 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2330 | -.2393 | -.2765 | -.2963 | .1467 | .1513 | .1921 |
| 44.800 | -.2346 | -.2292 | -.2532 | -.3194 | .1207 | .1689 | |
| 50.100 | -1.4936 | -.2757 | -.3083 | -.3009 | .0985 | .1643 | |
| 101.400 | -.3479 | -.4464 | -.5363 | -.3927 | | .1643 | |
| 115.600 | -.4402 | -.5278 | -.6062 | -.4195 | | .1698 | |
| 133.800 | -.4495 | -.4813 | -.5658 | -.2546 | | .1541 | |
| 149.100 | -.4417 | -.4658 | -.4076 | -.1989 | | .1513 | |
| 180.000 | -.4254 | -.3285 | -.3454 | -.2490 | .1522 | .1578 | .1921 |

ALPHA ( 2) = 10.600 BETA ( 4) = -3.990 Q(PSF) = 60.585 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2329 | -.2352 | -.2756 | -.2933 | .1475 | .1475 | .1892 |
| 44.800 | -.2337 | -.2283 | -.2539 | -.3128 | .1253 | .1679 | |
| 50.100 | -1.4331 | -.2771 | -.3073 | -.2989 | .1132 | .1670 | |
| 101.400 | -.3585 | -.4531 | -.5299 | -.3739 | | .1762 | |
| 115.600 | -.4368 | -.5213 | -.5857 | -.3785 | | .1762 | |
| 133.800 | -.4407 | -.4694 | -.5415 | -.2211 | | .1744 | |
| 149.100 | -.4306 | -.4461 | -.3818 | -.1822 | | .1753 | |
| 180.000 | -.4306 | -.3376 | -.3554 | -.2516 | .1484 | .1762 | .1892 |

OA172 TAILCONE PRESSURES GEAR ON (CFG007)

ALPHA ( 2) = 10.600 BETA ( 5) = -2.000 Q(PSF) = 60.585 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2289 | -.2320 | -.2785 | -.2923 | .1511 | .1622 | .2114 |
| 44.800 | -.2289 | -.2282 | -.2514 | -.3154 | .1428 | .1854 | |
| 50.100 | -1.3146 | -.2778 | -.3033 | -.2913 | .1354 | .1835 | |
| 101.400 | -.3638 | -.4490 | -.5211 | -.3506 | | .1872 | |
| 115.600 | -.4327 | -.5095 | -.5629 | -.3376 | | .1872 | |
| 133.800 | -.4327 | -.4552 | -.5048 | -.1950 | | .1789 | |
| 149.100 | -.4358 | -.4405 | -.3793 | -.1923 | | .1743 | |
| 180.000 | -.5343 | -.2987 | -.3506 | -.2784 | .1604 | .1789 | .2114 |

ALPHA ( 2) = 10.600 BETA ( 6) = -1.010 Q(PSF) = 60.585 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2312 | -.2327 | -.2776 | -.2866 | .1529 | .1613 | .2103 |
| 44.800 | -.2319 | -.2281 | -.2498 | -.3023 | .1446 | .1844 | |
| 50.100 | -1.2614 | -.2807 | -.3009 | -.2894 | .1381 | .1853 | |
| 101.400 | -.3667 | -.4496 | -.5131 | -.3375 | | .1909 | |
| 115.600 | -.4310 | -.5054 | -.5495 | -.3199 | | .1881 | |
| 133.800 | -.4302 | -.4519 | -.4875 | -.1959 | | .1835 | |
| 149.100 | -.4442 | -.4511 | -.3900 | -.1950 | | .1816 | |
| 180.000 | -.5363 | -.2869 | -.3551 | -.2773 | .1631 | .1798 | .2103 |

ALPHA ( 2) = 10.600 BETA ( 7) = .000 Q(PSF) = 60.585 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2313 | -.2351 | -.2793 | -.2858 | .1511 | .1622 | .2077 |
| 44.800 | -.2413 | -.2398 | -.2576 | -.2997 | .1493 | .1910 | |
| 50.100 | -1.2169 | -.2832 | -.3041 | -.2811 | .1484 | .1872 | |
| 101.400 | -.3692 | -.4506 | -.5079 | -.3293 | | .1910 | |
| 115.600 | -.4296 | -.5009 | -.5358 | -.3024 | | .1919 | |
| 133.800 | -.4281 | -.4498 | -.4823 | -.1987 | | .1845 | |
| 149.100 | -.4506 | -.4622 | -.4025 | -.1978 | | .1835 | |
| 180.000 | -.5366 | -.2863 | -.3654 | -.2886 | .1632 | .1845 | .2077 |

OA172 TAILCONE PRESSURES GEAR ON (CFG007)

ALPHA ( 2) = 10.600 BETA ( 8) = .990 Q(PSF) = 60.585 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2297 | -.2352 | -.2739 | -.2886 | .1549 | .1623 | .2058 |
| 44.800 | -.2383 | -.2367 | -.2584 | -.2941 | .1521 | .1854 | |
| 50.100 | -1.1985 | -.2832 | -.3003 | -.2756 | .1502 | .1882 | |
| 101.400 | -.3716 | -.4483 | -.5025 | -.3192 | | .1873 | |
| 115.600 | -.4258 | -.4917 | -.5219 | -.2867 | | .1863 | |
| 133.800 | -.4312 | -.4498 | -.4909 | -.1997 | | .1799 | |
| 149.100 | -.4568 | -.4700 | -.4126 | -.2006 | | .1799 | |
| 180.000 | -.5049 | -.3119 | -.3692 | -.2849 | .1623 | .1799 | .2058 |

ALPHA ( 2) = 10.590 BETA ( 9) = 1.990 Q(PSF) = 60.585 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2289 | -.2335 | -.2753 | -.2894 | .1502 | .1640 | .2057 |
| 44.800 | -.2343 | -.2335 | -.2645 | -.2875 | .1557 | .1890 | |
| 50.100 | -1.1491 | -.2846 | -.3001 | -.2699 | .1557 | .1900 | |
| 101.400 | -.3737 | -.4465 | -.4946 | -.3079 | | .1890 | |
| 115.600 | -.4194 | -.4783 | -.5093 | -.2727 | | .1900 | |
| 133.800 | -.4357 | -.4535 | -.5038 | -.1959 | | .1798 | |
| 149.100 | -.4620 | -.4729 | -.4186 | -.2033 | | .1733 | |
| 180.000 | -.5093 | -.3272 | -.3699 | -.2875 | .1594 | .1761 | .2057 |

ALPHA ( 2) = 10.600 BETA (10) = 3.980 Q(PSF) = 60.585 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2420 | -.2397 | -.2815 | -.2940 | .1465 | .1446 | .1881 |
| 44.800 | -.2482 | -.2521 | -.2715 | -.2811 | .1548 | .1742 | |
| 50.100 | -1.1159 | -.2901 | -.3094 | -.2542 | .1548 | .1752 | |
| 101.400 | -.3753 | -.4435 | -.4760 | -.2838 | | .1742 | |
| 115.600 | -.4241 | -.4814 | -.4992 | -.2542 | | .1715 | |
| 133.800 | -.4442 | -.4644 | -.5116 | -.1848 | | .1696 | |
| 149.100 | -.4682 | -.4806 | -.4334 | -.2116 | | .1659 | |
| 180.000 | -.4466 | -.3559 | -.3477 | -.2477 | .1483 | .1715 | .1881 |

OA172 TAILCONE PRESSURES GEAR ON (CFG007)

ALPHA ( 2) = 10.600 BETA (11) = 5.960 Q(PSF) = 60.585 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2447 | -.2486 | -.2896 | -.2963 | .1462 | .1471 | .1924 |
| 44.800 | -.2563 | -.2602 | -.2842 | -.2630 | .1573 | .1795 | |
| 50.100 | -1.0026 | -.2958 | -.2842 | -.2316 | .1592 | .1850 | |
| 101.400 | -.3770 | -.4419 | -.4713 | -.2713 | | .1813 | |
| 115.600 | -.4427 | -.4968 | -.5069 | -.2418 | | .1823 | |
| 133.800 | -.4574 | -.4713 | -.5154 | -.1817 | | .1619 | |
| 149.100 | -.4790 | -.4891 | -.4442 | -.2205 | | .1610 | |
| 180.000 | -.4265 | -.3352 | -.3360 | -.2436 | .1518 | .1592 | .1924 |

ALPHA ( 2) = 10.600 BETA (12) = 7.990 Q(PSF) = 60.585 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2566 | -.2635 | -.3030 | -.3169 | .1436 | .1491 | .1954 |
| 44.800 | -.2720 | -.2697 | -.2953 | -.2549 | .1593 | .1824 | |
| 50.100 | -.8998 | -.3162 | -.2658 | -.2124 | .1602 | .1889 | |
| 101.400 | -.3765 | -.4431 | -.4687 | -.2522 | | .1926 | |
| 115.600 | -.4555 | -.5058 | -.5019 | -.2253 | | .1917 | |
| 133.800 | -.4725 | -.4826 | -.5128 | -.1800 | | .1667 | |
| 149.100 | -.4965 | -.5004 | -.4501 | -.2217 | | .1519 | |
| 180.000 | -.4524 | -.3487 | -.3437 | -.2549 | .1574 | .1362 | .1954 |

ALPHA ( 2) = 10.600 BETA (13) = 9.990 Q(PSF) = 60.585 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2692 | -.2731 | -.3081 | -.3154 | .1376 | .1423 | .1850 |
| 44.800 | -.2840 | -.2824 | -.3081 | -.2300 | .1516 | .1776 | |
| 50.100 | -.8513 | -.3415 | -.2599 | -.1910 | .1562 | .1831 | |
| 101.400 | -.3881 | -.4488 | -.4573 | -.2346 | | .1943 | |
| 115.600 | -.4659 | -.5063 | -.4876 | -.2077 | | .1841 | |
| 133.800 | -.4923 | -.4969 | -.5140 | -.1752 | | .1311 | |
| 149.100 | -.5195 | -.5125 | -.4410 | -.1975 | | .1042 | |
| 180.000 | -.5350 | -.3920 | -.3535 | -.2587 | .1516 | .0912 | .1850 |

0A172 TAILCONE PRESSURES GEAR ON (CFG007)

ALPHA ( 3) = 21.210 BETA ( 1) = -9.980 Q(PSF) = 60.795 PO = 2130.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2674 | -.2759 | -.3332 | -.3169 | .1232 | .1325 | .1898 |
| 44.800 | -.2705 | -.2759 | -.2991 | -.3428 | .1038 | .1482 | |
| 50.100 | -1.2303 | -.2496 | -.2442 | -.3040 | .0807 | .1436 | |
| 101.400 | -.2976 | -.4199 | -.5824 | -.4695 | | .1362 | |
| 115.600 | -.4175 | -.5050 | -.6869 | -.5731 | | .1445 | |
| 133.800 | -.5546 | -.5871 | -.6970 | -.4011 | | .1075 | |
| 149.100 | -.4888 | -.5159 | -.4346 | -.2466 | | .1001 | |
| 180.000 | -.4415 | -.3440 | -.3622 | -.2790 | .0927 | .0890 | .1898 |

ALPHA ( 3) = 21.210 BETA ( 2) = -7.990 Q(PSF) = 60.795 PO = 2130.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2611 | -.2681 | -.3377 | -.3113 | .1223 | .1139 | .1593 |
| 44.800 | -.2720 | -.2735 | -.2936 | -.3381 | .1001 | .1250 | |
| 50.100 | -1.1836 | -.2325 | -.2387 | -.2974 | .0825 | .1260 | |
| 101.400 | -.3215 | -.4398 | -.5877 | -.4555 | | .1306 | |
| 115.600 | -.4182 | -.5018 | -.6759 | -.5369 | | .1380 | |
| 133.800 | -.5343 | -.5637 | -.6643 | -.3575 | | .1398 | |
| 149.100 | -.4616 | -.4770 | -.4066 | -.2281 | | .1352 | |
| 180.000 | -.4430 | -.3602 | -.3695 | -.2780 | .1056 | .1315 | .1593 |

ALPHA ( 3) = 21.210 BETA ( 3) = -5.980 Q(PSF) = 60.795 PO = 2130.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2669 | -.2808 | -.3542 | -.3191 | .1341 | .1433 | .2052 |
| 44.800 | -.2862 | -.2901 | -.3133 | -.3422 | .1184 | .1664 | |
| 50.100 | -1.1208 | -.2090 | -.2546 | -.2988 | .1073 | .1655 | |
| 101.400 | -.3442 | -.4609 | -.5977 | -.4465 | | .1747 | |
| 115.600 | -.4192 | -.5173 | -.6494 | -.4946 | | .1766 | |
| 133.800 | -.5018 | -.5304 | -.6170 | -.2970 | | .1664 | |
| 149.100 | -.4253 | -.4362 | -.3751 | -.2139 | | .1572 | |
| 180.000 | -.4478 | -.3952 | -.4170 | -.2748 | .0999 | .1516 | .2052 |

OA172 TAILCONE PRESSURES GEAR ON (CF0007)

ALPHA ( 3) = 21.210 BETA ( 4) = -4.010 Q(PSF) = 60.795 PO = 2130.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2735 | -.2851 | -.3607 | -.3288 | .1321 | .1588 | .2243 |
| 44.800 | -.2951 | -.2974 | -.3244 | -.3325 | .1321 | .1837 | |
| 50.100 | -1.0598 | -.2064 | -.2812 | -.2882 | .1376 | .1865 | |
| 101.400 | -.3769 | -.4818 | -.6022 | -.4228 | | .1818 | |
| 115.600 | -.4263 | -.5289 | -.6408 | -.4579 | | .1892 | |
| 133.800 | -.4834 | -.5135 | -.5937 | -.2643 | | .1597 | |
| 149.100 | -.4463 | -.4502 | -.3784 | -.2025 | | .1560 | |
| 180.000 | -.4973 | -.3067 | -.3989 | -.3482 | .1109 | .1569 | .2243 |

ALPHA ( 3) = 21.220 BETA ( 5) = -2.010 Q(PSF) = 60.795 PO = 2130.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2422 | -.2592 | -.3404 | -.2933 | .1369 | .1553 | .2126 |
| 44.800 | -.2654 | -.2631 | -.2948 | -.3016 | .1313 | .1830 | |
| 50.100 | -.9516 | -.2152 | -.2770 | -.2601 | .1341 | .1830 | |
| 101.400 | -.3952 | -.4941 | -.5923 | -.3912 | | .1803 | |
| 115.600 | -.4362 | -.5413 | -.6387 | -.4318 | | .1877 | |
| 133.800 | -.4648 | -.4910 | -.5614 | -.2499 | | .1775 | |
| 149.100 | -.4416 | -.4455 | -.3952 | -.2333 | | .1747 | |
| 180.000 | -.5243 | -.3033 | -.4041 | -.3653 | .1230 | .1775 | .2126 |

ALPHA ( 3) = 21.220 BETA ( 6) = -1.010 Q(PSF) = 60.795 PO = 2130.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2350 | -.2458 | -.3268 | -.2902 | .1395 | .1524 | .2096 |
| 44.800 | -.2434 | -.2488 | -.2867 | -.2920 | .1330 | .1800 | |
| 50.100 | -.9025 | -.2211 | -.2728 | -.2533 | .1321 | .1800 | |
| 101.400 | -.4032 | -.4989 | -.5838 | -.3796 | | .1754 | |
| 115.600 | -.4472 | -.5460 | -.6340 | -.4183 | | .1800 | |
| 133.800 | -.4642 | -.4873 | -.5460 | -.2496 | | .1763 | |
| 149.100 | -.5344 | -.5251 | -.4595 | -.2726 | | .1763 | |
| 180.000 | -.5251 | -.3067 | -.4137 | -.3722 | .1238 | .1791 | .2096 |

OA172 TAILCONE PRESSURES GEAR ON (CFG007)

ALPHA ( 3) = 21.220 BETA ( 7) = .000 Q(PSF) = 60.795 PO = 2130.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2352 | -.2422 | -.3334 | -.2905 | .1369 | .1535 | .2098 |
| 44.800 | -.2515 | -.2515 | -.2870 | -.2933 | .1387 | .1812 | |
| 50.100 | -.8635 | -.2337 | -.2746 | -.2453 | .1369 | .1821 | |
| 101.400 | -.4076 | -.4995 | -.5776 | -.3616 | | .1812 | |
| 115.600 | -.4562 | -.5505 | -.6347 | -.4041 | | .1867 | |
| 133.800 | -.4678 | -.4949 | -.5451 | -.2536 | | .1830 | |
| 149.100 | -.5559 | -.5667 | -.5598 | -.3644 | | .1784 | |
| 180.000 | -.5235 | -.3063 | -.4207 | -.3773 | .1258 | .1775 | .2098 |

ALPHA ( 3) = 21.210 BETA ( 8) = .990 Q(PSF) = 60.795 PO = 2130.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2338 | -.2500 | -.3335 | -.2897 | .1341 | .1563 | .2117 |
| 44.800 | -.2438 | -.2508 | -.2871 | -.2906 | .1397 | .1812 | |
| 50.100 | -.8227 | -.2562 | -.2770 | -.2416 | .1387 | .1821 | |
| 101.400 | -.4146 | -.5027 | -.5669 | -.3441 | | .1849 | |
| 115.600 | -.4718 | -.5638 | -.6349 | -.3912 | | .1886 | |
| 133.800 | -.5120 | -.5128 | -.5352 | -.2684 | | .1794 | |
| 149.100 | -.4656 | -.4688 | -.5043 | -.3497 | | .1775 | |
| 180.000 | -.5205 | -.3118 | -.4171 | -.3755 | .1258 | .1738 | .2117 |

ALPHA ( 3) = 21.210 BETA ( 9) = 1.980 Q(PSF) = 60.795 PO = 2130.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2632 | -.2624 | -.3413 | -.3054 | .1332 | .1554 | .2192 |
| 44.800 | -.2616 | -.2547 | -.2957 | -.3156 | .1443 | .1850 | |
| 50.100 | -.8276 | -.3042 | -.2686 | -.2537 | .1406 | .1840 | |
| 101.400 | -.4186 | -.5005 | -.5547 | -.3276 | | .1905 | |
| 115.600 | -.4874 | -.5748 | -.6312 | -.3719 | | .1933 | |
| 133.800 | -.5485 | -.5871 | -.5949 | -.3174 | | .1803 | |
| 149.100 | -.4642 | -.4859 | -.4758 | -.3101 | | .1757 | |
| 180.000 | -.5176 | -.3204 | -.4163 | -.3692 | .1212 | .1720 | .2192 |

0A172 TAILCONE PRESSURES GEAR ON (CFG007)

ALPHA ( 3) = 21.210 BETA (10) = 3.990 Q(PSF) = 60.795 PO = 2130.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2885 | -.2947 | -.3648 | -.3256 | .1346 | .1577 | .2222 |
| 44.800 | -.2831 | -.2831 | -.3170 | -.3228 | .1429 | .1853 | |
| 50.100 | -.8572 | -.3733 | -.2592 | -.2648 | .1374 | .1853 | |
| 101.400 | -.4218 | -.4958 | -.5289 | -.3017 | | .1982 | |
| 115.600 | -.5420 | -.6098 | -.6191 | -.3762 | | .1982 | |
| 133.800 | -.4357 | -.4681 | -.5776 | -.2897 | | .1724 | |
| 149.100 | -.4827 | -.5004 | -.4673 | -.2694 | | .1623 | |
| 180.000 | -.4742 | -.3355 | -.3965 | -.3412 | .1098 | .1558 | .2222 |

ALPHA ( 3) = 21.200 BETA (11) = 5.970 Q(PSF) = 60.795 PO = 2130.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2791 | -.2899 | -.3633 | -.3346 | .1349 | .1442 | .2088 |
| 44.800 | -.2907 | -.2868 | -.3216 | -.3069 | .1488 | .1764 | |
| 50.100 | -.8776 | -.4343 | -.2467 | -.2497 | .1506 | .1774 | |
| 101.400 | -.4088 | -.4652 | -.4969 | -.2774 | | .1875 | |
| 115.600 | -.5370 | -.6173 | -.6420 | -.3503 | | .1847 | |
| 133.800 | -.4853 | -.5092 | -.5988 | -.2737 | | .1608 | |
| 149.100 | -.4969 | -.5100 | -.4722 | -.2571 | | .1543 | |
| 180.000 | -.4552 | -.4258 | -.4149 | -.2829 | .1109 | .1589 | .2088 |

ALPHA ( 3) = 21.200 BETA (12) = 7.990 Q(PSF) = 60.795 PO = 2130.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2629 | -.2784 | -.3456 | -.3190 | .1294 | .1276 | .1802 |
| 44.800 | -.2807 | -.2876 | -.3147 | -.2913 | .1405 | .1599 | |
| 50.100 | -.9132 | -.4429 | -.2282 | -.2350 | .1442 | .1608 | |
| 101.400 | -.4151 | -.4869 | -.5023 | -.2645 | | .1802 | |
| 115.600 | -.5912 | -.6638 | -.6522 | -.3328 | | .1737 | |
| 133.800 | -.5070 | -.5255 | -.6081 | -.2737 | | .1497 | |
| 149.100 | -.5170 | -.5255 | -.4823 | -.2802 | | .1414 | |
| 180.000 | -.4112 | -.3548 | -.3549 | -.2710 | .1091 | .1386 | .1802 |

OA172 TAILCONE PRESSURES GEAR ON (CFG007)

ALPHA ( 3) = 21.180 BETA (13) = 10.000 Q(PSF) = 60.795 PO = 2130.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2757 | -.2726 | -.3345 | -.3158 | .1333 | .1444 | .1990 |
| 44.800 | -.2873 | -.2912 | -.3136 | -.2659 | .1435 | .1768 | |
| 50.100 | -.9186 | -.4335 | -.2293 | -.2298 | .1444 | .1777 | |
| 101.400 | -.4498 | -.5155 | -.5047 | -.2631 | | .2054 | |
| 115.600 | -.6316 | -.6950 | -.6625 | -.3130 | | .1980 | |
| 133.800 | -.5372 | -.5558 | -.6401 | -.2881 | | .1185 | |
| 149.100 | -.5643 | -.5643 | -.5055 | -.2797 | | .1028 | |
| 180.000 | -.4436 | -.3577 | -.3574 | -.2723 | .1065 | .0871 | .1990 |

OA172 TAILCONE PRESSURES GEAR ON (CFG008) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300

ALPHA ( 1) = .100 BETA ( 1) = -9.960 Q(PSF) = 60.603 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1781 | -.1859 | -.2178 | -.2660 | .0504 | .0717 | .0792 |
| 44.800 | -.1774 | -.1657 | -.1983 | -.2706 | .0411 | .1061 | |
| 50.100 | -1.3875 | -.1766 | -.3273 | -.2845 | .0467 | .0977 | |
| 101.400 | -.3420 | -.4422 | -.5432 | -.3987 | | .0884 | |
| 115.600 | -.3739 | -.4725 | -.5673 | -.3866 | | .0912 | |
| 133.800 | -.3770 | -.4282 | -.5727 | -.2966 | | .0782 | |
| 149.100 | -.4018 | -.4562 | -.4585 | -.2836 | | .0764 | |
| 180.000 | -.5362 | -.3902 | -.4590 | -.3792 | .0997 | .0764 | .0792 |

ALPHA ( 1) = .100 BETA ( 2) = -7.980 Q(PSF) = 60.603 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1872 | -.1632 | -.2097 | -.2656 | .0383 | .0661 | .0605 |
| 44.800 | -.1764 | -.1702 | -.1958 | -.2693 | .0513 | .0902 | |
| 50.100 | -1.3291 | -.2027 | -.3075 | -.2721 | .0420 | .1013 | |
| 101.400 | -.3540 | -.4455 | -.5348 | -.3843 | | .0911 | |
| 115.600 | -.3843 | -.4766 | -.5588 | -.3648 | | .1004 | |
| 133.800 | -.3843 | -.4308 | -.5666 | -.2842 | | .0893 | |
| 149.100 | -.4083 | -.4556 | -.4595 | -.2823 | | .0818 | |
| 180.000 | -.5192 | -.3750 | -.4436 | -.3741 | .0930 | .0698 | .0605 |

ALPHA ( 1) = .100 BETA ( 3) = -5.950 Q(PSF) = 60.603 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1780 | -.1959 | -.2269 | -.2658 | .0531 | .0670 | .0921 |
| 44.800 | -.1749 | -.1695 | -.2067 | -.2583 | .0485 | .0958 | |
| 50.100 | -1.2071 | -.1834 | -.2812 | -.2787 | .0420 | .0958 | |
| 101.400 | -.3619 | -.4527 | -.5296 | -.3687 | | .0967 | |
| 115.600 | -.3961 | -.4822 | -.5521 | -.3427 | | .1004 | |
| 133.800 | -.3930 | -.4380 | -.5614 | -.2722 | | .0875 | |

0A172 TAILCONE PRESSURES GEAR ON (CF0008)

ALPHA ( 1) = .100 BETA ( 3) = -5.950

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4178 | -.4613 | -.4628 | -.2806 | | .0893 | |
| 180.000 | -.4970 | -.3588 | -.4308 | -.3640 | .0949 | .0800 | .0921 |

ALPHA ( 1) = .100 BETA ( 4) = -3.980 Q(PSF) = 60.603 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1667 | -.1884 | -.2263 | -.2872 | .0595 | .0696 | .0992 |
| 44.800 | -.1922 | -.1876 | -.2116 | -.2789 | .0595 | .1002 | |
| 50.100 | -1.0994 | -.2154 | -.2812 | -.2845 | .0576 | .0928 | |
| 101.400 | -.3664 | -.4515 | -.5142 | -.3483 | | .1029 | |
| 115.600 | -.4028 | -.4840 | -.5405 | -.3187 | | .1039 | |
| 133.800 | -.4026 | -.4430 | -.5576 | -.2565 | | .1011 | |
| 149.100 | -.4260 | -.4678 | -.4662 | -.2798 | | .0955 | |
| 180.000 | -.5018 | -.3432 | -.4102 | -.3455 | .1066 | .1057 | .0992 |

ALPHA ( 1) = .090 BETA ( 5) = -1.990 Q(PSF) = 60.603 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1753 | -.1861 | -.2287 | -.2670 | .0539 | .0650 | .0909 |
| 44.800 | -.1884 | -.1907 | -.2062 | -.2855 | .0613 | .0900 | |
| 50.100 | -1.0208 | -.1993 | -.2829 | -.2633 | .0465 | .0909 | |
| 101.400 | -.3719 | -.4517 | -.5090 | -.3354 | | .0993 | |
| 115.600 | -.4137 | -.4889 | -.5330 | -.2984 | | .1039 | |
| 133.800 | -.4145 | -.4532 | -.5570 | -.2550 | | .1076 | |
| 149.100 | -.4408 | -.4803 | -.4780 | -.2864 | | .1076 | |
| 180.000 | -.5105 | -.3379 | -.4021 | -.3373 | .1067 | .1076 | .0909 |

OA172 TAILCONE PRESSURES GEAR ON (CFG008)

ALPHA ( 1) = .090 BETA ( 6) = -1.000 Q(PSF) = 60.603 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1637 | -.1808 | -.2404 | -.2588 | .0456 | .0669 | .0929 |
| 44.800 | -.1723 | -.1730 | -.2126 | -.2829 | .0521 | .0975 | |
| 50.100 | -.9672 | -.1940 | -.2789 | -.2653 | .0521 | .0938 | |
| 101.400 | -.3722 | -.4512 | -.5039 | -.3273 | | .1058 | |
| 115.600 | -.4171 | -.4891 | -.5263 | -.2903 | | .1178 | |
| 133.800 | -.4217 | -.4574 | -.5581 | -.2514 | | .1114 | |
| 149.100 | -.4465 | -.4837 | -.4860 | -.2931 | | .1188 | |
| 180.000 | -.5108 | -.3288 | -.4004 | -.3384 | .1030 | .1188 | .0929 |

ALPHA ( 1) = .090 BETA ( 7) = .000 Q(PSF) = 60.603 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1785 | -.1855 | -.2359 | -.2645 | .0540 | .0725 | .0966 |
| 44.800 | -.1770 | -.1685 | -.2150 | -.2876 | .0484 | .0983 | |
| 50.100 | -.9644 | -.1987 | -.2855 | -.2820 | .0410 | .0799 | |
| 101.400 | -.3746 | -.4482 | -.4940 | -.3191 | | .1077 | |
| 115.600 | -.4227 | -.4901 | -.5203 | -.2783 | | .1142 | |
| 133.800 | -.4273 | -.4630 | -.5567 | -.2506 | | .1216 | |
| 149.100 | -.4552 | -.4893 | -.4909 | -.2978 | | .1151 | |
| 180.000 | -.4994 | -.3266 | -.4061 | -.3395 | .1049 | .1160 | .0966 |

ALPHA ( 1) = .090 BETA ( 8) = 1.000 Q(PSF) = 60.603 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1872 | -.1779 | -.2314 | -.2878 | .0614 | .0689 | .1078 |
| 44.800 | -.1942 | -.1856 | -.2167 | -.2702 | .0550 | .0930 | |
| 50.100 | -.9217 | -.2035 | -.2849 | -.2795 | .0309 | .0939 | |
| 101.400 | -.3733 | -.4455 | -.4866 | -.3119 | | .1115 | |
| 115.600 | -.4276 | -.4904 | -.5168 | -.2684 | | .1254 | |
| 133.800 | -.4346 | -.4680 | -.5595 | -.2461 | | .1208 | |
| 149.100 | -.4617 | -.4959 | -.4966 | -.3045 | | .1143 | |
| 180.000 | -.5005 | -.3353 | -.4083 | -.3434 | .1069 | .1078 | .1078 |

0A172 TAILCONE PRESSURES GEAR ON (CFG008)

ALPHA ( 1) = .090 BETA ( 9) = 2.000 Q(PSF) = 60.603 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1814 | -.1860 | -.2294 | -.2919 | .0521 | .0743 | .0918 |
| 44.800 | -.2062 | -.1946 | -.2271 | -.2891 | .0539 | .0854 | |
| 50.100 | -.9454 | -.1976 | -.2751 | -.2863 | .0354 | .0807 | |
| 101.400 | -.3749 | -.4422 | -.4840 | -.3076 | | .1214 | |
| 115.600 | -.4345 | -.4941 | -.5119 | -.2623 | | .1251 | |
| 133.800 | -.4430 | -.4740 | -.5607 | -.2465 | | .1140 | |
| 149.100 | -.4717 | -.5034 | -.5042 | -.3085 | | .1103 | |
| 180.000 | -.5034 | -.3486 | -.4102 | -.3436 | .1094 | .1057 | .0918 |

ALPHA ( 1) = .090 BETA (10) = 3.990 Q(PSF) = 60.603 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1862 | -.2033 | -.2358 | -.2598 | .0503 | .0716 | .0938 |
| 44.800 | -.1777 | -.1847 | -.2180 | -.2894 | .0540 | .0993 | |
| 50.100 | -.9286 | -.2048 | -.2854 | -.2885 | .0503 | .0929 | |
| 101.400 | -.3769 | -.4420 | -.4730 | -.2950 | | .1308 | |
| 115.600 | -.4474 | -.5001 | -.5016 | -.2468 | | .1262 | |
| 133.800 | -.4606 | -.4892 | -.5659 | -.2450 | | .1077 | |
| 149.100 | -.4916 | -.5194 | -.5241 | -.3246 | | .1058 | |
| 180.000 | -.4830 | -.3637 | -.4227 | -.3533 | .1040 | .1012 | .0938 |

ALPHA ( 1) = .090 BETA (11) = 5.980 Q(PSF) = 60.603 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1696 | -.1843 | -.2369 | -.2630 | .0548 | .0640 | .0677 |
| 44.800 | -.1805 | -.1766 | -.2238 | -.2870 | .0363 | .0825 | |
| 50.100 | -.9136 | -.2021 | -.2856 | -.2851 | .0335 | .0908 | |
| 101.400 | -.3746 | -.4295 | -.4527 | -.2740 | | .1361 | |
| 115.600 | -.4535 | -.4991 | -.4883 | -.2306 | | .1093 | |
| 133.800 | -.4782 | -.5037 | -.5687 | -.2436 | | .0807 | |
| 149.100 | -.5099 | -.5370 | -.5455 | -.3433 | | .0770 | |
| 180.000 | -.5107 | -.3753 | -.4321 | -.3655 | .0871 | .0677 | .0677 |

OA172 TAILCONE PRESSURES GEAR ON (CFG008)

ALPHA ( 1) = .100 BETA (12) = 7.990 Q(PSF) = 60.603 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1600 | -.1755 | -.2352 | -.2692 | .0503 | .0577 | .0651 |
| 44.800 | -.1832 | -.1926 | -.2236 | -.2766 | .0253 | .0744 | |
| 50.100 | -.9066 | -.1941 | -.2786 | -.2701 | .0346 | .0753 | |
| 101.400 | -.3794 | -.4267 | -.4306 | -.2664 | | .1328 | |
| 115.600 | -.4647 | -.5019 | -.4748 | -.2136 | | .1244 | |
| 133.800 | -.5011 | -.5228 | -.5794 | -.2405 | | .0688 | |
| 149.100 | -.5352 | -.5608 | -.5655 | -.3618 | | .0623 | |
| 180.000 | -.5259 | -.3918 | -.4387 | -.3729 | .0892 | .0661 | .0651 |

ALPHA ( 1) = .100 BETA (13) = 9.980 Q(PSF) = 60.603 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1842 | -.1796 | -.2525 | -.2732 | .0457 | .0596 | .0838 |
| 44.800 | -.1842 | -.1936 | -.2254 | -.2973 | .0374 | .0810 | |
| 50.100 | -.8697 | -.1967 | -.2828 | -.2779 | .0300 | .0800 | |
| 101.400 | -.3783 | -.4210 | -.4187 | -.2547 | | .1403 | |
| 115.600 | -.4676 | -.4955 | -.4536 | -.2009 | | .1209 | |
| 133.800 | -.5219 | -.5390 | -.5809 | -.2333 | | .0736 | |
| 149.100 | -.5607 | -.5793 | -.5856 | -.3743 | | .0726 | |
| 180.000 | -.5460 | -.4062 | -.4402 | -.3715 | .0977 | .0643 | .0838 |

ALPHA ( 2) = 10.620 BETA ( 1) = -9.960 Q(PSF) = 60.593 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2372 | -.2589 | -.3304 | -.3690 | .0717 | .0810 | .1126 |
| 44.800 | -.2325 | -.2364 | -.2884 | -.3616 | .0393 | .0764 | |
| 50.100 | -1.0116 | -.2496 | -.3117 | -.3597 | .0161 | .0922 | |
| 101.400 | -.3218 | -.4314 | -.5564 | -.4414 | | .0476 | |
| 115.600 | -.4485 | -.5502 | -.6527 | -.5073 | | .0662 | |
| 133.800 | -.4679 | -.5075 | -.6170 | -.3254 | | .0040 | |
| 149.100 | -.4586 | -.4935 | -.4415 | -.2456 | | .0049 | |
| 180.000 | -.5533 | -.3879 | -.3950 | -.2938 | .0959 | .0096 | .1126 |

OA172 TAILCONE PRESSURES GEAR ON (CFG008)

ALPHA ( 2) = 10.610 BETA ( 2) = -7.980 Q(PSF) = 60.593 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2498 | -.2505 | -.3298 | -.3701 | .0866 | .0764 | .1294 |
| 44.800 | -.2459 | -.2404 | -.2614 | -.3544 | .0495 | .0848 | |
| 50.100 | -.9221 | -.2591 | -.3081 | -.3674 | .0281 | .0885 | |
| 101.400 | -.3391 | -.4433 | -.5614 | -.4342 | | .0792 | |
| 115.600 | -.4495 | -.5474 | -.6415 | -.4779 | | .0811 | |
| 133.800 | -.4635 | -.5008 | -.5995 | -.2986 | | .0411 | |
| 149.100 | -.4550 | -.4860 | -.4309 | -.2308 | | .0504 | |
| 180.000 | -.4876 | -.3609 | -.3785 | -.2903 | .1099 | .0690 | .1294 |

ALPHA ( 2) = 10.610 BETA ( 3) = -5.970 Q(PSF) = 60.593 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2424 | -.2338 | -.3293 | -.3519 | .0763 | .0809 | .1189 |
| 44.800 | -.2261 | -.2416 | -.2664 | -.3436 | .0568 | .0865 | |
| 50.100 | -.8995 | -.2385 | -.3029 | -.3521 | .0429 | .0921 | |
| 101.400 | -.3510 | -.4503 | -.5597 | -.4214 | | .0986 | |
| 115.600 | -.4495 | -.5419 | -.6241 | -.4437 | | .0958 | |
| 133.800 | -.4588 | -.4922 | -.5837 | -.2759 | | .0726 | |
| 149.100 | -.4542 | -.4798 | -.4247 | -.2221 | | .0800 | |
| 180.000 | -.4402 | -.3463 | -.3677 | -.2787 | .1106 | .0856 | .1189 |

ALPHA ( 2) = 10.610 BETA ( 4) = -3.980 Q(PSF) = 60.593 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2397 | -.2343 | -.3017 | -.3412 | .0706 | .0716 | .1253 |
| 44.800 | -.2335 | -.2474 | -.2955 | -.3662 | .0660 | .0993 | |
| 50.100 | -.9022 | -.2606 | -.2924 | -.3561 | .0549 | .0966 | |
| 101.400 | -.3645 | -.4574 | -.5566 | -.4051 | | .1132 | |
| 115.600 | -.4489 | -.5349 | -.6054 | -.4097 | | .1095 | |
| 133.800 | -.4520 | -.4830 | -.5605 | -.2431 | | .1040 | |
| 149.100 | -.4435 | -.4613 | -.4040 | -.2033 | | .1105 | |
| 180.000 | -.4350 | -.3490 | -.3755 | -.2755 | .1123 | .1105 | .1253 |

OA172 TAILCONE PRESSURES GEAR ON (CFG008)

ALPHA ( 2) = 10.610 BETA ( 5) = -2.000 Q(PSF) = 60.593 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2554 | -.2376 | -.3167 | -.3591 | .0744 | .0790 | .1254 |
| 44.800 | -.2337 | -.2507 | -.2802 | -.3424 | .0790 | .1142 | |
| 50.100 | -.9029 | -.2492 | -.3004 | -.3526 | .0716 | .1068 | |
| 101.400 | -.3740 | -.4648 | -.5454 | -.3878 | | .1096 | |
| 115.600 | -.4454 | -.5260 | -.5834 | -.3656 | | .1087 | |
| 133.800 | -.4454 | -.4686 | -.5260 | -.2174 | | .1041 | |
| 149.100 | -.4469 | -.4539 | -.3989 | -.2127 | | .1003 | |
| 180.000 | -.5392 | -.3105 | -.3702 | -.3054 | .1226 | .1003 | .1254 |

ALPHA ( 2) = 10.610 BETA ( 6) = -.980 Q(PSF) = 60.593 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2204 | -.2452 | -.3119 | -.3636 | .0744 | .0901 | .1207 |
| 44.800 | -.2475 | -.2344 | -.2677 | -.3849 | .0762 | .1170 | |
| 50.100 | -.9080 | -.2615 | -.3235 | -.3580 | .0827 | .1207 | |
| 101.400 | -.3793 | -.4654 | -.5436 | -.3821 | | .1235 | |
| 115.600 | -.4436 | -.5227 | -.5739 | -.3469 | | .1161 | |
| 133.800 | -.4398 | -.4654 | -.5080 | -.2219 | | .1123 | |
| 149.100 | -.4568 | -.4661 | -.4111 | -.2136 | | .1170 | |
| 180.000 | -.5429 | -.2987 | -.3793 | -.3025 | .1235 | .1031 | .1207 |

ALPHA ( 2) = 10.610 BETA ( 7) = .000 Q(PSF) = 60.593 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2217 | -.2604 | -.3184 | -.3668 | .0761 | .0891 | .1215 |
| 44.800 | -.2503 | -.2348 | -.2944 | -.3770 | .0835 | .1141 | |
| 50.100 | -.9153 | -.2449 | -.3107 | -.3946 | .0835 | .1178 | |
| 101.400 | -.3835 | -.4686 | -.5391 | -.3770 | | .1168 | |
| 115.600 | -.4423 | -.5151 | -.5608 | -.3298 | | .1196 | |
| 133.800 | -.4384 | -.4624 | -.5011 | -.2207 | | .1159 | |
| 149.100 | -.4617 | -.4733 | -.4230 | -.2198 | | .1131 | |
| 180.000 | -.5437 | -.2952 | -.3872 | -.3067 | .1261 | .1131 | .1215 |

OA172 TAILCONE PRESSURES GEAR ON (CFG008)

ALPHA ( 2) = 10.610 BETA ( 8) = .990 Q(PSF) = 60.593 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2446 | -.2492 | -.3182 | -.3610 | .0790 | .0892 | .1244 |
| 44.800 | -.2391 | -.2415 | -.2895 | -.3721 | .0883 | .1124 | |
| 50.100 | -.8921 | -.2430 | -.3244 | -.3730 | .0957 | .1105 | |
| 101.400 | -.3868 | -.4710 | -.5377 | -.3684 | | .1189 | |
| 115.600 | -.4408 | -.5129 | -.5501 | -.3193 | | .1217 | |
| 133.800 | -.4462 | -.4679 | -.5168 | -.2239 | | .1087 | |
| 149.100 | -.4718 | -.4896 | -.4361 | -.2229 | | .1068 | |
| 180.000 | -.5121 | -.3151 | -.3869 | -.3063 | .1207 | .1078 | .1244 |

ALPHA ( 2) = 10.600 BETA ( 9) = 1.990 Q(PSF) = 60.593 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2392 | -.2570 | -.2840 | -.3830 | .0797 | .0880 | .1241 |
| 44.800 | -.2639 | -.2454 | -.2779 | -.3886 | .0954 | .1158 | |
| 50.100 | -.8879 | -.2462 | -.3157 | -.3636 | .1028 | .1093 | |
| 101.400 | -.3900 | -.4688 | -.5284 | -.3581 | | .1185 | |
| 115.600 | -.4325 | -.4982 | -.5315 | -.3091 | | .1185 | |
| 133.800 | -.4487 | -.4681 | -.5245 | -.2213 | | .0964 | |
| 149.100 | -.4743 | -.4905 | -.4402 | -.2250 | | .0936 | |
| 180.000 | -.5114 | -.3297 | -.3923 | -.3100 | .1158 | .0945 | .1241 |

ALPHA ( 2) = 10.610 BETA (10) = 3.990 Q(PSF) = 60.593 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2255 | -.2394 | -.3238 | -.3593 | .0715 | .0789 | .1150 |
| 44.800 | -.2410 | -.2642 | -.2727 | -.3926 | .0807 | .1094 | |
| 50.100 | -.8857 | -.2549 | -.3354 | -.4010 | .0891 | .1177 | |
| 101.400 | -.3965 | -.4677 | -.5188 | -.3436 | | .1113 | |
| 115.600 | -.4430 | -.5057 | -.5312 | -.2946 | | .0928 | |
| 133.800 | -.4616 | -.4809 | -.5366 | -.2142 | | .1113 | |
| 149.100 | -.4848 | -.4995 | -.4585 | -.2391 | | .1048 | |
| 180.000 | -.4484 | -.3710 | -.3695 | -.2743 | .1085 | .1066 | .1150 |

0A172 TAILCONE PRESSURES GEAR ON (CFG008)

ALPHA ( 2) = 10.610 BETA (11) = 5.970 Q(PSF) = 60.593 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2413 | -.2676 | -.3211 | -.3848 | .0734 | .0744 | .1262 |
| 44.800 | -.2707 | -.2490 | -.2947 | -.4070 | .0836 | .1031 | |
| 50.100 | -.8674 | -.2645 | -.3521 | -.3922 | .0873 | .0929 | |
| 101.400 | -.4032 | -.4753 | -.5280 | -.3431 | | .1308 | |
| 115.600 | -.4629 | -.5257 | -.5474 | -.2876 | | .1049 | |
| 133.800 | -.4761 | -.4947 | -.5489 | -.2172 | | .0938 | |
| 149.100 | -.4978 | -.5117 | -.4738 | -.2542 | | .0762 | |
| 180.000 | -.4373 | -.3629 | -.3598 | -.2728 | .1095 | .0744 | .1262 |

ALPHA ( 2) = 10.610 BETA (12) = 7.980 Q(PSF) = 60.593 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2593 | -.2616 | -.3369 | -.3907 | .0698 | .0679 | .0985 |
| 44.800 | -.2740 | -.2802 | -.3291 | -.4083 | .0716 | .1198 | |
| 50.100 | -.9379 | -.2756 | -.3477 | -.4035 | .0846 | .0994 | |
| 101.400 | -.4059 | -.4811 | -.5253 | -.3239 | | .1319 | |
| 115.600 | -.4788 | -.5362 | -.5432 | -.2730 | | .1226 | |
| 133.800 | -.4928 | -.5036 | -.5439 | -.2165 | | .0568 | |
| 149.100 | -.5152 | -.5238 | -.4780 | -.2582 | | .0605 | |
| 180.000 | -.4726 | -.3679 | -.3666 | -.2832 | .1115 | .0364 | .0985 |

ALPHA ( 2) = 10.610 BETA (13) = 9.990 Q(PSF) = 60.593 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2600 | -.2747 | -.3328 | -.3821 | .0642 | .0503 | .1086 |
| 44.800 | -.2685 | -.2615 | -.3111 | -.4081 | .0836 | .0707 | |
| 50.100 | -1.0351 | -.3018 | -.3444 | -.4034 | .0790 | .1022 | |
| 101.400 | -.4181 | -.4855 | -.5181 | -.3108 | | .1346 | |
| 115.600 | -.4910 | -.5375 | -.5336 | -.2599 | | .1022 | |
| 133.800 | -.5134 | -.5212 | -.5475 | -.2219 | | .0207 | |
| 149.100 | -.5398 | -.5375 | -.4731 | -.2414 | | -.0135 | |
| 180.000 | -.5452 | -.4096 | -.3831 | -.2895 | .0938 | -.0135 | .1086 |

OA172 TAILCONE PRESSURES GEAR ON (CFG008)

ALPHA ( 3) = 21.230 BETA ( 1) = -9.970 Q(PSF) = 60.808 PO = 2130.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2676 | -.2846 | -.3627 | -.4197 | .0723 | .0566 | .1231 |
| 44.800 | -.2731 | -.2939 | -.3017 | -.4197 | .0575 | .0658 | |
| 50.100 | -1.0837 | -.2785 | -.2731 | -.4077 | .0446 | .0668 | |
| 101.400 | -.3109 | -.4377 | -.6100 | -.5028 | | .0529 | |
| 115.600 | -.4292 | -.5196 | -.7097 | -.6007 | | .0705 | |
| 133.800 | -.5706 | -.6023 | -.7213 | -.4317 | | .0354 | |
| 149.100 | -.5057 | -.5319 | -.4547 | -.2701 | | .0114 | |
| 180.000 | -.4670 | -.3666 | -.3929 | -.3089 | .0271 | .0012 | .1231 |

ALPHA ( 3) = 21.230 BETA ( 2) = -7.980 Q(PSF) = 60.808 PO = 2130.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2509 | -.2748 | -.3854 | -.4238 | .0567 | .0391 | .0992 |
| 44.800 | -.2694 | -.2710 | -.3019 | -.4312 | .0603 | .0539 | |
| 50.100 | -1.0413 | -.2694 | -.2826 | -.4016 | .0400 | .0594 | |
| 101.400 | -.3375 | -.4581 | -.6198 | -.4968 | | .0714 | |
| 115.600 | -.4272 | -.5169 | -.7002 | -.5661 | | .0825 | |
| 133.800 | -.5486 | -.5811 | -.6902 | -.3831 | | .0761 | |
| 149.100 | -.4767 | -.4945 | -.4280 | -.2528 | | .0788 | |
| 180.000 | -.4628 | -.3808 | -.3961 | -.3073 | .0548 | .0761 | .0992 |

ALPHA ( 3) = 21.230 BETA ( 3) = -5.960 Q(PSF) = 60.808 PO = 2130.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2729 | -.2906 | -.3957 | -.4194 | .0861 | .0704 | .1221 |
| 44.800 | -.2906 | -.2930 | -.3022 | -.4213 | .0584 | .0898 | |
| 50.100 | -.9864 | -.2829 | -.3053 | -.4139 | .0520 | .0870 | |
| 101.400 | -.3648 | -.4814 | -.6297 | -.4850 | | .0981 | |
| 115.600 | -.4281 | -.5308 | -.6744 | -.5219 | | .1055 | |
| 133.800 | -.5146 | -.5439 | -.6389 | -.3235 | | .0879 | |
| 149.100 | -.4412 | -.4551 | -.3980 | -.2349 | | .0796 | |
| 180.000 | -.4706 | -.4304 | -.4416 | -.2930 | .0510 | .0750 | .1221 |

OA172 TAILCONE PRESSURES GEAR ON (CFG008)

ALPHA ( 3) = 21.230 BETA ( 4) = -3.990 Q(PSF) = 60.808 PO = 2130.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2777 | -.2939 | -.3917 | -.4296 | .0942 | .0850 | .1366 |
| 44.800 | -.2746 | -.2916 | -.3340 | -.4407 | .0813 | .1043 | |
| 50.100 | -.8358 | -.2885 | -.3193 | -.4232 | .0675 | .1145 | |
| 101.400 | -.3956 | -.5089 | -.6383 | -.4692 | | .1135 | |
| 115.600 | -.4372 | -.5482 | -.6630 | -.4895 | | .0859 | |
| 133.800 | -.4958 | -.5266 | -.6129 | -.2897 | | .0629 | |
| 149.100 | -.4634 | -.4650 | -.3984 | -.2243 | | .0693 | |
| 180.000 | -.5012 | -.3201 | -.4259 | -.3725 | .0574 | .0684 | .1366 |

ALPHA ( 3) = 21.240 BETA ( 5) = -2.000 Q(PSF) = 60.808 PO = 2130.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2952 | -.2635 | -.4094 | -.4119 | .0944 | .0879 | .1276 |
| 44.800 | -.2604 | -.2836 | -.2867 | -.4304 | .0888 | .1220 | |
| 50.100 | -.8548 | -.2651 | -.3268 | -.4147 | .0796 | .1193 | |
| 101.400 | -.4187 | -.5229 | -.6372 | -.4479 | | .1017 | |
| 115.600 | -.4565 | -.5708 | -.6711 | -.4682 | | .1174 | |
| 133.800 | -.4766 | -.5051 | -.5854 | -.2754 | | .0953 | |
| 149.100 | -.4557 | -.4642 | -.4179 | -.2560 | | .0907 | |
| 180.000 | -.5306 | -.3191 | -.4248 | -.3898 | .0621 | .0888 | .1276 |

ALPHA ( 3) = 21.240 BETA ( 6) = -.980 Q(PSF) = 60.808 PO = 2130.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2569 | -.2762 | -.3721 | -.3949 | .0954 | .0899 | .1342 |
| 44.800 | -.2507 | -.2701 | -.3049 | -.4291 | .0917 | .1204 | |
| 50.100 | -.8220 | -.2747 | -.3365 | -.4069 | .0853 | .1139 | |
| 101.400 | -.4247 | -.5259 | -.6288 | -.4365 | | .1074 | |
| 115.600 | -.4656 | -.5708 | -.6620 | -.4559 | | .1148 | |
| 133.800 | -.4749 | -.5035 | -.5569 | -.2739 | | .1000 | |
| 149.100 | -.5607 | -.5429 | -.4865 | -.2989 | | .0945 | |
| 180.000 | -.5360 | -.3172 | -.4310 | -.3940 | .0622 | .0871 | .1342 |

OA172 TAILCONE PRESSURES GEAR ON (CFG008)

ALPHA ( 3) = 21.230 BETA ( 7) = .000 Q(PSF) = 60.808 PO = 2130.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2605 | -.2844 | -.4064 | -.3954 | .0999 | .0833 | .1294 |
| 44.800 | -.2551 | -.2559 | -.3099 | -.4305 | .0888 | .1110 | |
| 50.100 | -.8203 | -.2736 | -.3462 | -.4129 | .0916 | .1156 | |
| 101.400 | -.4311 | -.5284 | -.6242 | -.4249 | | .1082 | |
| 115.600 | -.4775 | -.5740 | -.6659 | -.4452 | | .1193 | |
| 133.800 | -.4806 | -.5091 | -.5639 | -.2792 | | .0972 | |
| 149.100 | -.5655 | -.5817 | -.5832 | -.3945 | | .0935 | |
| 180.000 | -.5400 | -.3176 | -.4342 | -.3991 | .0621 | .0888 | .1294 |

ALPHA ( 3) = 21.230 BETA ( 8) = .990 Q(PSF) = 60.808 PO = 2130.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2512 | -.2635 | -.4110 | -.3935 | .0971 | .0870 | .1313 |
| 44.800 | -.2574 | -.2720 | -.3106 | -.4396 | .0935 | .1165 | |
| 50.100 | -.8387 | -.2944 | -.3539 | -.4221 | .0907 | .1248 | |
| 101.400 | -.4404 | -.5338 | -.6164 | -.4083 | | .1156 | |
| 115.600 | -.4929 | -.5863 | -.6697 | -.4341 | | .1248 | |
| 133.800 | -.5268 | -.5307 | -.5569 | -.3003 | | .0944 | |
| 149.100 | -.4813 | -.5083 | -.5176 | -.3723 | | .0935 | |
| 180.000 | -.5376 | -.3245 | -.4350 | -.3981 | .0639 | .0935 | .1313 |

ALPHA ( 3) = 21.230 BETA ( 9) = 1.980 Q(PSF) = 60.808 PO = 2130.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2580 | -.2742 | -.4034 | -.4175 | .0964 | .0863 | .1390 |
| 44.800 | -.2874 | -.2897 | -.3377 | -.4480 | .1020 | .1149 | |
| 50.100 | -.9018 | -.2974 | -.3477 | -.4342 | .0983 | .1177 | |
| 101.400 | -.4491 | -.5373 | -.6085 | -.3981 | | .1353 | |
| 115.600 | -.5133 | -.6023 | -.6727 | -.4203 | | .1353 | |
| 133.800 | -.5861 | -.6069 | -.6418 | -.3639 | | .1020 | |
| 149.100 | -.4816 | -.5063 | -.4947 | -.3371 | | .0853 | |
| 180.000 | -.5296 | -.3291 | -.4360 | -.3944 | .0613 | .0909 | .1390 |

OA172 TAILCONE PRESSURES GEAR ON (CFG008)

ALPHA ( 3) = 21.220 BETA (10) = 3.980 Q(PSF) = 60.808 PO = 2130.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2799 | -.2830 | -.3842 | -.4417 | .0824 | .0870 | .1544 |
| 44.800 | -.3038 | -.3123 | -.3424 | -.4786 | .1009 | .1304 | |
| 50.100 | -1.0793 | -.3092 | -.3556 | -.4454 | .1073 | .1230 | |
| 101.400 | -.4498 | -.5355 | -.5896 | -.3798 | | .1516 | |
| 115.600 | -.5734 | -.6475 | -.6684 | -.4407 | | .1424 | |
| 133.800 | -.4521 | -.4900 | -.6112 | -.3254 | | .0869 | |
| 149.100 | -.5008 | -.5247 | -.4931 | -.3051 | | .0833 | |
| 180.000 | -.4931 | -.3494 | -.4195 | -.3706 | .0584 | .0769 | .1544 |

ALPHA ( 3) = 21.220 BETA (11) = 5.980 Q(PSF) = 60.808 PO = 2130.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2788 | -.2927 | -.3876 | -.4283 | .0685 | .0750 | .1293 |
| 44.800 | -.2919 | -.2804 | -.3421 | -.4873 | .1035 | .1109 | |
| 50.100 | -1.2016 | -.3004 | -.3436 | -.4569 | .1100 | .1211 | |
| 101.400 | -.4439 | -.5041 | -.5643 | -.3656 | | .1432 | |
| 115.600 | -.5666 | -.6515 | -.6901 | -.4136 | | .1275 | |
| 133.800 | -.5033 | -.5311 | -.6330 | -.3131 | | .0980 | |
| 149.100 | -.5142 | -.5358 | -.5003 | -.2909 | | .0869 | |
| 180.000 | -.4601 | -.4493 | -.4440 | -.3112 | .0620 | .0906 | .1293 |

ALPHA ( 3) = 21.210 BETA (12) = 7.990 Q(PSF) = 60.808 PO = 2130.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2899 | -.3007 | -.3903 | -.4287 | .0464 | .0409 | .1055 |
| 44.800 | -.2845 | -.2861 | -.3509 | -.4823 | .0880 | .0843 | |
| 50.100 | -1.3241 | -.3069 | -.3463 | -.4583 | .0870 | .0769 | |
| 101.400 | -.4498 | -.5294 | -.5788 | -.3531 | | .0999 | |
| 115.600 | -.6159 | -.7039 | -.7109 | -.4038 | | .0778 | |
| 133.800 | -.5239 | -.5517 | -.6460 | -.3180 | | .0473 | |
| 149.100 | -.5371 | -.5510 | -.5154 | -.3162 | | .0446 | |
| 180.000 | -.4243 | -.3687 | -.3761 | -.3014 | .0464 | .0557 | .1055 |

0A172 TAILCONE PRESSURES GEAR ON (CFG008)

ALPHA ( 3) = 21.200 BETA (13) = 10.010 Q(PSF) = 60.808 PO = 2130.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2709 | -.2879 | -.3761 | -.4431 | .0640 | .0391 | .1102 |
| 44.800 | -.3080 | -.3096 | -.3428 | -.4782 | .0797 | .0770 | |
| 50.100 | -1.5747 | -.3235 | -.3513 | -.4579 | .0927 | .0944 | |
| 101.400 | -.4867 | -.5624 | -.5864 | -.3636 | | .0936 | |
| 115.600 | -.6692 | -.7442 | -.7287 | -.4043 | | .0298 | |
| 133.800 | -.5624 | -.5833 | -.6815 | -.3424 | | -.0384 | |
| 149.100 | -.5864 | -.5934 | -.5369 | -.3211 | | -.0357 | |
| 180.000 | -.4658 | -.3838 | -.3840 | -.3054 | .0280 | -.0347 | .1102 |

0A172 TAILCONE PRESSURES GEAR ON (CFG009) ( 11 OCT 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | 10.000 |
| SPDBRK = | .000 | BDFLAP = | -11.700 |

ALPHA ( 1) = .060 BETA ( 1) = -9.960 Q(PSF) = 60.566 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3911 | -.3841 | -.2955 | -.0619 | .1302 | .1320 | .1552 |
| 44.800 | -.3623 | -.3561 | -.3072 | -.1602 | .1274 | .1524 | |
| 50.100 | -1.5399 | -.3118 | -.2854 | -.1825 | .1237 | .1524 | |
| 101.400 | -.3274 | -.4214 | -.4990 | -.3245 | | .1552 | |
| 115.600 | -.3421 | -.4268 | -.5153 | -.3180 | | .1580 | |
| 133.800 | -.3258 | -.3716 | -.5146 | -.2484 | | .1589 | |
| 149.100 | -.3258 | -.3817 | -.4105 | -.2549 | | .1580 | |
| 180.000 | -.5480 | -.4182 | -.4721 | -.3663 | .1552 | .1543 | .1552 |

ALPHA ( 1) = .060 BETA ( 2) = -7.980 Q(PSF) = 60.566 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3781 | -.3718 | -.2801 | -.0582 | .1349 | .1349 | .1683 |
| 44.800 | -.3462 | -.3392 | -.2895 | -.1306 | .1321 | .1609 | |
| 50.100 | -1.5477 | -.3003 | -.2747 | -.1705 | .1312 | .1572 | |
| 101.400 | -.3345 | -.4216 | -.4884 | -.3061 | | .1627 | |
| 115.600 | -.3501 | -.4286 | -.5032 | -.2931 | | .1674 | |
| 133.800 | -.3283 | -.3718 | -.5032 | -.2328 | | .1637 | |
| 149.100 | -.3275 | -.3765 | -.4045 | -.2485 | | .1599 | |
| 180.000 | -.5405 | -.4037 | -.4649 | -.3646 | .1581 | .1599 | .1683 |

ALPHA ( 1) = .070 BETA ( 3) = -5.950 Q(PSF) = 60.566 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3688 | -.3626 | -.2742 | -.0627 | .1402 | .1476 | .1828 |
| 44.800 | -.3370 | -.3300 | -.2804 | -.1183 | .1402 | .1689 | |
| 50.100 | -1.5891 | -.3122 | -.2757 | -.1628 | .1393 | .1671 | |
| 101.400 | -.3449 | -.4270 | -.4835 | -.2972 | | .1708 | |
| 115.600 | -.3642 | -.4356 | -.4994 | -.2768 | | .1754 | |
| 133.800 | -.3401 | -.3805 | -.5023 | -.2258 | | .1726 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG009)

ALPHA ( 1) = .070 BETA ( 3) = -5.950

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.3378 | -.3836 | -.4115 | -.2546 | | .1717 | |
| 180.000 | -.5186 | -.3890 | -.4604 | -.3649 | .1661 | .1698 | .1828 |

ALPHA ( 1) = .060 BETA ( 4) = -3.990 Q(PSF) = 60.566 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3576 | -.3529 | -.2675 | -.0591 | .1524 | .1672 | .2007 |
| 44.800 | -.3273 | -.3211 | -.2745 | -.1138 | .1524 | .1895 | |
| 50.100 | -1.6140 | -.3226 | -.2721 | -.1556 | .1533 | .1886 | |
| 101.400 | -.3513 | -.4298 | -.4771 | -.2817 | | .1858 | |
| 115.600 | -.3748 | -.4438 | -.4927 | -.2576 | | .1923 | |
| 133.800 | -.3521 | -.3909 | -.5043 | -.2205 | | .1969 | |
| 149.100 | -.3508 | -.3941 | -.4220 | -.2604 | | .1932 | |
| 180.000 | -.4903 | -.3700 | -.4441 | -.3560 | .1821 | .1951 | .2007 |

ALPHA ( 1) = .060 BETA ( 5) = -1.990 Q(PSF) = 60.566 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3520 | -.3465 | -.2613 | -.0580 | .1520 | .1742 | .2122 |
| 44.800 | -.3210 | -.3156 | -.2706 | -.1135 | .1557 | .1992 | |
| 50.100 | -1.5950 | -.3272 | -.2668 | -.1542 | .1566 | .1983 | |
| 101.400 | -.3543 | -.4279 | -.4627 | -.2662 | | .1946 | |
| 115.600 | -.3845 | -.4472 | -.4828 | -.2412 | | .2011 | |
| 133.800 | -.3643 | -.3992 | -.5030 | -.2171 | | .2048 | |
| 149.100 | -.3651 | -.4062 | -.4325 | -.2680 | | .2029 | |
| 180.000 | -.4766 | -.3551 | -.4198 | -.3393 | .1788 | .2029 | .2122 |

0A172 TAILCONE PRESSURES GEAR ON (CF3009)

ALPHA ( 1) = .060 BETA ( 6) = -1.000 Q(PSF) = 60.566 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3540 | -.3454 | -.2625 | -.0581 | .1522 | .1735 | .2134 |
| 44.800 | -.3206 | -.3136 | -.2694 | -.1090 | .1550 | .1957 | |
| 50.100 | -1.5723 | -.3268 | -.2632 | -.1516 | .1587 | .1958 | |
| 101.400 | -.3532 | -.4238 | -.4563 | -.2573 | | .1930 | |
| 115.600 | -.3873 | -.4455 | -.4765 | -.2313 | | .2013 | |
| 133.800 | -.3710 | -.4052 | -.5060 | -.2147 | | .2060 | |
| 149.100 | -.3718 | -.4121 | -.4401 | -.2730 | | .2041 | |
| 180.000 | -.4773 | -.3431 | -.4148 | -.3323 | .1735 | .2060 | .2134 |

ALPHA ( 1) = .060 BETA ( 7) = .000 Q(PSF) = 60.566 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3540 | -.3462 | -.2609 | -.0599 | .1531 | .1679 | .2087 |
| 44.800 | -.3198 | -.3129 | -.2671 | -.1044 | .1550 | .1939 | |
| 50.100 | -1.5482 | -.3260 | -.2586 | -.1452 | .1568 | .1939 | |
| 101.400 | -.3509 | -.4191 | -.4447 | -.2471 | | .1930 | |
| 115.600 | -.3927 | -.4470 | -.4672 | -.2211 | | .2022 | |
| 133.800 | -.3780 | -.4098 | -.5044 | -.2128 | | .2013 | |
| 149.100 | -.3811 | -.4176 | -.4447 | -.2795 | | .2022 | |
| 180.000 | -.4703 | -.3284 | -.4092 | -.3258 | .1661 | .2022 | .2087 |

ALPHA ( 1) = .060 BETA ( 8) = .990 Q(PSF) = 60.566 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3513 | -.3436 | -.2576 | -.0552 | .1502 | .1613 | .1984 |
| 44.800 | -.3165 | -.3103 | -.2630 | -.1006 | .1502 | .1872 | |
| 50.100 | -1.5105 | -.3196 | -.2514 | -.1413 | .1539 | .1882 | |
| 101.400 | -.3490 | -.4133 | -.4350 | -.2339 | | .1900 | |
| 115.600 | -.3955 | -.4474 | -.4637 | -.2126 | | .1937 | |
| 133.800 | -.3854 | -.4164 | -.5063 | -.2108 | | .1956 | |
| 149.100 | -.3878 | -.4257 | -.4521 | -.2839 | | .1955 | |
| 180.000 | -.4722 | -.3203 | -.4005 | -.3200 | .1595 | .1965 | .1984 |

0A172 TAILCONE PRESSURES GEAR ON (CFG009)

ALPHA ( 1) = .060 BETA ( 9) = 1.980 Q(PSF) = 60.566 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3489 | -.3419 | -.2567 | -.0580 | .1464 | .1622 | .1983 |
| 44.800 | -.3133 | -.3063 | -.2590 | -.0959 | .1539 | .1862 | |
| 50.100 | -1.4682 | -.3148 | -.2443 | -.1376 | .1548 | .1853 | |
| 101.400 | -.3481 | -.4093 | -.4264 | -.2264 | | .1853 | |
| 115.600 | -.4023 | -.4504 | -.4612 | -.2033 | | .1946 | |
| 133.800 | -.3954 | -.4240 | -.5092 | -.2098 | | .1946 | |
| 149.100 | -.3993 | -.4349 | -.4612 | -.2903 | | .1918 | |
| 180.000 | -.4759 | -.3179 | -.3921 | -.3134 | .1557 | .1909 | .1983 |

ALPHA ( 1) = .060 BETA (10) = 3.980 Q(PSF) = 60.566 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3488 | -.3418 | -.2551 | -.0533 | .1436 | .1584 | .1880 |
| 44.800 | -.3109 | -.3054 | -.2536 | -.0904 | .1501 | .1853 | |
| 50.100 | -1.4414 | -.3008 | -.2334 | -.1274 | .1538 | .1843 | |
| 101.400 | -.3465 | -.4015 | -.4115 | -.2125 | | .1853 | |
| 115.600 | -.4123 | -.4533 | -.4471 | -.1875 | | .1880 | |
| 133.800 | -.4138 | -.4379 | -.5137 | -.2079 | | .1899 | |
| 149.100 | -.4200 | -.4510 | -.4797 | -.3059 | | .1880 | |
| 180.000 | -.4681 | -.3155 | -.3920 | -.3133 | .1575 | .1834 | .1880 |

ALPHA ( 1) = .060 BETA (11) = 5.970 Q(PSF) = 60.566 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3528 | -.3450 | -.2559 | -.0543 | .1353 | .1464 | .1770 |
| 44.800 | -.3132 | -.3047 | -.2521 | -.0857 | .1409 | .1751 | |
| 50.100 | -1.4154 | -.2970 | -.2280 | -.1218 | .1418 | .1751 | |
| 101.400 | -.3435 | -.3892 | -.3868 | -.1922 | | .1862 | |
| 115.600 | -.4194 | -.4527 | -.4318 | -.1681 | | .1890 | |
| 133.800 | -.4318 | -.4534 | -.5185 | -.2051 | | .1751 | |
| 149.100 | -.4434 | -.4713 | -.4984 | -.3236 | | .1668 | |
| 180.000 | -.4620 | -.3318 | -.4078 | -.3273 | .1538 | .1603 | .1770 |

0A172 TAILCONE PRESSURES GEAR ON (CFG009)

ALPHA ( 1) = .060 BETA (12) = 7.990 Q(PSF) = 60.566 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3601 | -.3523 | -.2601 | -.0543 | .1225 | .1225 | .1475 |
| 44.800 | -.3182 | -.3120 | -.2562 | -.0849 | .1299 | .1549 | |
| 50.100 | -1.3820 | -.2957 | -.2329 | -.1238 | .1318 | .1586 | |
| 101.400 | -.3446 | -.3841 | -.3678 | -.1868 | | .1744 | |
| 115.600 | -.4314 | -.4562 | -.4175 | -.1525 | | .1660 | |
| 133.800 | -.4554 | -.4733 | -.5283 | -.2026 | | .1345 | |
| 149.100 | -.4694 | -.4958 | -.5221 | -.3424 | | .1318 | |
| 180.000 | -.4841 | -.3547 | -.4138 | -.3378 | .1438 | .1327 | .1475 |

ALPHA ( 1) = .060 BETA (13) = 10.010 Q(PSF) = 60.566 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3631 | -.3561 | -.2636 | -.0554 | .1190 | .1190 | .1339 |
| 44.800 | -.3211 | -.3133 | -.2543 | -.0841 | .1283 | .1515 | |
| 50.100 | -1.2764 | -.2776 | -.2225 | -.1120 | .1339 | .1598 | |
| 101.400 | -.3452 | -.3770 | -.3530 | -.1788 | | .1756 | |
| 115.600 | -.4314 | -.4469 | -.3918 | -.1398 | | .1617 | |
| 133.800 | -.4772 | -.4904 | -.5285 | -.1936 | | .1227 | |
| 149.100 | -.4935 | -.5145 | -.5401 | -.3532 | | .1181 | |
| 180.000 | -.4928 | -.3654 | -.4136 | -.3421 | .1487 | .1283 | .1339 |

ALPHA ( 2) = 10.580 BETA ( 1) = -9.970 Q(PSF) = 60.577 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3826 | -.3772 | -.3088 | -.0879 | .1525 | .1859 | .2454 |
| 44.800 | -.3671 | -.3608 | -.3251 | -.1761 | .1061 | .1868 | |
| 50.100 | -1.7167 | -.3640 | -.3251 | -.2280 | .0931 | .1822 | |
| 101.400 | -.3127 | -.4183 | -.5263 | -.3998 | | .2008 | |
| 115.600 | -.4075 | -.4914 | -.5932 | -.4406 | | .2082 | |
| 133.800 | -.4090 | -.4448 | -.5497 | -.2754 | | .1757 | |
| 149.100 | -.3803 | -.4176 | -.3950 | -.2215 | | .1720 | |
| 180.000 | -.5730 | -.4145 | -.4044 | -.2800 | .1766 | .1803 | .2454 |

OA172 TAILCONE PRESSURES GEAR ON (CF0009)

ALPHA ( 2) = 10.580 BETA ( 2) = -7.990 Q(PSF) = 60.577 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3784 | -.3745 | -.3031 | -.0776 | .1644 | .1987 | .2629 |
| 44.800 | -.3613 | -.3559 | -.3171 | -.1648 | .1162 | .2025 | |
| 50.100 | -1.6245 | -.3567 | -.3093 | -.2047 | .1106 | .1978 | |
| 101.400 | -.3256 | -.4265 | -.5236 | -.3874 | | .2015 | |
| 115.600 | -.4095 | -.4871 | -.5810 | -.4097 | | .2043 | |
| 133.800 | -.4040 | -.4374 | -.5352 | -.2501 | | .1885 | |
| 149.100 | -.3769 | -.4102 | -.3877 | -.2084 | | .1960 | |
| 180.000 | -.5104 | -.3792 | -.3856 | -.2687 | .1895 | .2118 | .2629 |

ALPHA ( 2) = 10.580 BETA ( 3) = -5.960 Q(PSF) = 60.577 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3752 | -.3698 | -.2898 | -.0609 | .1653 | .1913 | .2526 |
| 44.800 | -.3527 | -.3488 | -.3069 | -.1508 | .1263 | .2015 | |
| 50.100 | -1.5798 | -.3496 | -.2922 | -.1870 | .1189 | .1996 | |
| 101.400 | -.3364 | -.4311 | -.5204 | -.3716 | | .2015 | |
| 115.600 | -.4101 | -.4854 | -.5685 | -.3827 | | .2033 | |
| 133.800 | -.4032 | -.4334 | -.5227 | -.2324 | | .1922 | |
| 149.100 | -.3791 | -.4094 | -.3845 | -.2037 | | .1950 | |
| 180.000 | -.4668 | -.3644 | -.3725 | -.2621 | .1783 | .2033 | .2526 |

ALPHA ( 2) = 10.570 BETA ( 4) = -3.990 Q(PSF) = 60.577 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3815 | -.3745 | -.2868 | -.0563 | .1542 | .1662 | .2192 |
| 44.800 | -.3551 | -.3481 | -.3023 | -.1351 | .1329 | .1857 | |
| 50.100 | -1.5148 | -.3458 | -.2790 | -.1815 | .1264 | .1839 | |
| 101.400 | -.3419 | -.4327 | -.5127 | -.3521 | | .2006 | |
| 115.600 | -.4087 | -.4785 | -.5523 | -.3493 | | .2006 | |
| 133.800 | -.3986 | -.4273 | -.5049 | -.2093 | | .1997 | |
| 149.100 | -.3745 | -.3993 | -.3706 | -.1907 | | .2024 | |
| 180.000 | -.4560 | -.3683 | -.3716 | -.2557 | .1653 | .2034 | .2192 |

OA172 TAILCONE PRESSURES GEAR ON (CFG009)

ALPHA ( 2) = 10.570 BETA ( 5) = -2.000 Q(PSF) = 60.577 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3786 | -.3700 | -.2817 | -.0534 | .1567 | .1780 | .2290 |
| 44.800 | -.3478 | -.3406 | -.2941 | -.1256 | .1465 | .1966 | |
| 50.100 | -1.4156 | -.3476 | -.2677 | -.1710 | .1484 | .1956 | |
| 101.400 | -.3476 | -.4305 | -.4956 | -.3238 | | .2012 | |
| 115.600 | -.4026 | -.4677 | -.5235 | -.3044 | | .2040 | |
| 133.800 | -.3886 | -.4096 | -.4669 | -.1830 | | .2031 | |
| 149.100 | -.3762 | -.3879 | -.3576 | -.1951 | | .2031 | |
| 180.000 | -.5189 | -.3406 | -.3923 | -.2905 | .1715 | .2031 | .2290 |

ALPHA ( 2) = 10.580 BETA ( 6) = -1.000 Q(PSF) = 60.577 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3800 | -.3738 | -.2824 | -.0673 | .1502 | .1734 | .2225 |
| 44.800 | -.3490 | -.3405 | -.2909 | -.1191 | .1530 | .1965 | |
| 50.100 | -1.3641 | -.3405 | -.2584 | -.1682 | .1548 | .1956 | |
| 101.400 | -.3506 | -.4296 | -.4877 | -.3108 | | .2021 | |
| 115.600 | -.4009 | -.4645 | -.5141 | -.2867 | | .2030 | |
| 133.800 | -.3854 | -.4071 | -.4513 | -.1821 | | .2030 | |
| 149.100 | -.3831 | -.3971 | -.3692 | -.1969 | | .2049 | |
| 180.000 | -.4815 | -.3095 | -.3885 | -.2895 | .1752 | .2067 | .2225 |

ALPHA ( 2) = 10.570 BETA ( 7) = .000 Q(PSF) = 60.577 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3797 | -.3719 | -.2827 | -.0692 | .1458 | .1754 | .2200 |
| 44.800 | -.3479 | -.3409 | -.2858 | -.1137 | .1532 | .1977 | |
| 50.100 | -1.3153 | -.3370 | -.2602 | -.1591 | .1578 | .1977 | |
| 101.400 | -.3518 | -.4294 | -.4790 | -.2982 | | .2005 | |
| 115.600 | -.3983 | -.4596 | -.5007 | -.2685 | | .2014 | |
| 133.800 | -.3859 | -.4069 | -.4495 | -.1832 | | .2023 | |
| 149.100 | -.3890 | -.4084 | -.3828 | -.2018 | | .2042 | |
| 180.000 | -.5023 | -.2882 | -.3862 | -.2926 | .1763 | .2051 | .2200 |

OA172 TAILCONE PRESSURES GEAR ON (CFG009)

ALPHA ( 2) = 10.570 BETA ( 8) = .990 Q(PSF) = 60.577 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3801 | -.3715 | -.2791 | -.0656 | .1468 | .1784 | .2239 |
| 44.800 | -.3467 | -.3381 | -.2853 | -.1092 | .1561 | .1997 | |
| 50.100 | -1.2692 | -.3358 | -.2566 | -.1518 | .1580 | .1969 | |
| 101.400 | -.3529 | -.4267 | -.4709 | -.2873 | | .2016 | |
| 115.600 | -.3972 | -.4531 | -.4865 | -.2539 | | .2034 | |
| 133.800 | -.3902 | -.4088 | -.4554 | -.1843 | | .2044 | |
| 149.100 | -.3979 | -.4158 | -.3940 | -.2075 | | .2016 | |
| 180.000 | -.5028 | -.2884 | -.3782 | -.2864 | .1784 | .2034 | .2239 |

ALPHA ( 2) = 10.570 BETA ( 9) = 1.980 Q(PSF) = 60.577 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3797 | -.3719 | -.2775 | -.0616 | .1501 | .1852 | .2315 |
| 44.800 | -.3440 | -.3371 | -.2775 | -.1014 | .1621 | .2093 | |
| 50.100 | -1.2196 | -.3139 | -.2527 | -.1449 | .1621 | .2074 | |
| 101.400 | -.3526 | -.4238 | -.4609 | -.2744 | | .2056 | |
| 115.600 | -.3905 | -.4400 | -.4702 | -.2420 | | .2074 | |
| 133.800 | -.3944 | -.4114 | -.4679 | -.1837 | | .2047 | |
| 149.100 | -.4052 | -.4215 | -.3990 | -.2115 | | .2074 | |
| 180.000 | -.5128 | -.2937 | -.3678 | -.2683 | .1778 | .2093 | .2315 |

ALPHA ( 2) = 10.570 BETA (10) = 3.980 Q(PSF) = 60.577 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3897 | -.3804 | -.2828 | -.0561 | .1500 | .1648 | .2139 |
| 44.800 | -.3502 | -.3409 | -.2813 | -.1005 | .1630 | .1935 | |
| 50.100 | -1.1691 | -.3006 | -.2441 | -.1319 | .1667 | .1972 | |
| 101.400 | -.3517 | -.4144 | -.4392 | -.2448 | | .1963 | |
| 115.600 | -.3959 | -.4446 | -.4640 | -.2253 | | .2019 | |
| 133.800 | -.4059 | -.4237 | -.4779 | -.1735 | | .1981 | |
| 149.100 | -.4144 | -.4346 | -.4160 | -.2207 | | .2019 | |
| 180.000 | -.4082 | -.3486 | -.3724 | -.2679 | .1630 | .2009 | .2139 |

0A172 TAILCONE PRESSURES GEAR ON (CFG009)

ALPHA ( 2) = 10.570 BETA (11) = 5.960 Q(PSF) = 60.577 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3815 | -.3699 | -.2769 | -.0608 | .1539 | .1872 | .2428 |
| 44.800 | -.3389 | -.3304 | -.2653 | -.0830 | .1798 | .2150 | |
| 50.100 | -1.0206 | -.2699 | -.2142 | -.1061 | .1835 | .2150 | |
| 101.400 | -.3544 | -.4125 | -.4342 | -.2320 | | .2169 | |
| 115.600 | -.4148 | -.4605 | -.4752 | -.2126 | | .2224 | |
| 133.800 | -.4210 | -.4357 | -.4869 | -.1737 | | .2215 | |
| 149.100 | -.4303 | -.4466 | -.4319 | -.2302 | | .2215 | |
| 180.000 | -.4055 | -.3311 | -.3468 | -.2431 | .1724 | .2224 | .2428 |

ALPHA ( 2) = 10.570 BETA (12) = 10.010 Q(PSF) = 60.577 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3877 | -.3792 | -.2886 | -.0876 | .1345 | .1891 | .2577 |
| 44.800 | -.3397 | -.3288 | -.2568 | -.0737 | .1724 | .2187 | |
| 50.100 | -.8084 | -.2018 | -.1491 | -.0765 | .1780 | .2215 | |
| 101.400 | -.3606 | -.4133 | -.4141 | -.1922 | | .2364 | |
| 115.600 | -.4365 | -.4675 | -.4505 | -.1774 | | .2354 | |
| 133.800 | -.4559 | -.4582 | -.4807 | -.1626 | | .2290 | |
| 149.100 | -.4660 | -.4675 | -.4288 | -.2107 | | .2252 | |
| 180.000 | -.5063 | -.3746 | -.3440 | -.2450 | .1696 | .2225 | .2577 |

ALPHA ( 3) = 21.190 BETA ( 1) = -9.970 Q(PSF) = 60.812 PO = 2126.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4360 | -.4283 | -.3507 | -.0914 | .1345 | .1929 | .2829 |
| 44.800 | -.4120 | -.4035 | -.3352 | -.1488 | .0984 | .1966 | |
| 50.100 | -1.1570 | -.2430 | -.2190 | -.1618 | .0938 | .1920 | |
| 101.400 | -.2872 | -.4081 | -.5647 | -.4489 | | .2031 | |
| 115.600 | -.3918 | -.4616 | -.6554 | -.5425 | | .2142 | |
| 133.800 | -.5058 | -.5360 | -.6515 | -.3739 | | .1892 | |
| 149.100 | -.4259 | -.4616 | -.4182 | -.2414 | | .1716 | |
| 180.000 | -.4763 | -.3732 | -.3813 | -.2739 | .1327 | .1707 | .2829 |

OA172 TAILCONE PRESSURES GEAR ON (CF0009)

ALPHA ( 3) = 21.190 BETA ( 2) = -7.980 Q(PSF) = 60.812 PO = 2126.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4273 | -.4196 | -.3407 | -.0847 | .1388 | .1518 | .2091 |
| 44.800 | -.4041 | -.3925 | -.3275 | -.1457 | .0963 | .1573 | |
| 50.100 | -1.1358 | -.2509 | -.1991 | -.1522 | .0926 | .1518 | |
| 101.400 | -.3082 | -.4265 | -.5689 | -.4350 | | .1740 | |
| 115.600 | -.3917 | -.4637 | -.6416 | -.5089 | | .1786 | |
| 133.800 | -.4869 | -.5170 | -.6253 | -.3379 | | .1814 | |
| 149.100 | -.4087 | -.4319 | -.3933 | -.2317 | | .1777 | |
| 180.000 | -.4784 | -.3832 | -.3666 | -.2677 | .1287 | .1823 | .2091 |

ALPHA ( 3) = 21.190 BETA ( 3) = -5.970 Q(PSF) = 60.812 PO = 2126.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4511 | -.4449 | -.3529 | -.0819 | .1369 | .1471 | .2109 |
| 44.800 | -.4263 | -.4140 | -.3436 | -.1447 | .1037 | .1610 | |
| 50.100 | -1.1129 | -.2763 | -.2137 | -.1586 | .1064 | .1628 | |
| 101.400 | -.3328 | -.4395 | -.5724 | -.4228 | | .1730 | |
| 115.600 | -.3877 | -.4665 | -.6204 | -.4689 | | .1730 | |
| 133.800 | -.4549 | -.4835 | -.5771 | -.2851 | | .1739 | |
| 149.100 | -.3714 | -.3915 | -.3622 | -.2168 | | .1730 | |
| 180.000 | -.5145 | -.4256 | -.3479 | -.2426 | .1055 | .1711 | .2109 |

ALPHA ( 3) = 21.190 BETA ( 4) = -3.990 Q(PSF) = 60.812 PO = 2126.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4381 | -.4273 | -.3377 | -.0744 | .1349 | .1681 | .2365 |
| 44.800 | -.4088 | -.3956 | -.3254 | -.1307 | .1174 | .1829 | |
| 50.100 | -1.0612 | -.2775 | -.2150 | -.1556 | .1192 | .1801 | |
| 101.400 | -.3578 | -.4605 | -.5709 | -.3954 | | .1727 | |
| 115.600 | -.3964 | -.4860 | -.6072 | -.4351 | | .1755 | |
| 133.800 | -.4342 | -.4628 | -.5516 | -.2570 | | .1386 | |
| 149.100 | -.3856 | -.4026 | -.3655 | -.2165 | | .1275 | |
| 180.000 | -.4991 | -.3377 | -.3954 | -.2986 | .1017 | .1284 | .2365 |

0A172 TAILCONE PRESSURES GEAR ON (CFG009)

ALPHA ( 3) = 21.210 BETA ( 5) = -2.000 Q(PSF) = 60.812 PO = 2126.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4384 | -.4284 | -.3302 | -.0560 | .1396 | .1765 | .2487 |
| 44.800 | -.4052 | -.3920 | -.3132 | -.1058 | .1424 | .2024 | |
| 50.100 | -.9700 | -.2383 | -.2151 | -.1381 | .1470 | .2006 | |
| 101.400 | -.3743 | -.4670 | -.5535 | -.3523 | | .1867 | |
| 115.600 | -.4075 | -.4971 | -.5976 | -.3920 | | .1950 | |
| 133.800 | -.4152 | -.4415 | -.5072 | -.2203 | | .1775 | |
| 149.100 | -.3766 | -.3866 | -.3581 | -.2194 | | .1692 | |
| 180.000 | -.4948 | -.3387 | -.4400 | -.3745 | .1138 | .1701 | .2487 |

ALPHA ( 3) = 21.200 BETA ( 6) = .000 Q(PSF) = 60.812 PO = 2126.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4386 | -.4278 | -.3265 | -.0505 | .1351 | .1720 | .2340 |
| 44.800 | -.4054 | -.3930 | -.3095 | -.1050 | .1462 | .1979 | |
| 50.100 | -.8800 | -.2160 | -.2152 | -.1336 | .1535 | .1951 | |
| 101.400 | -.3830 | -.4680 | -.5376 | -.3257 | | .1960 | |
| 115.600 | -.4247 | -.5090 | -.5940 | -.3664 | | .2016 | |
| 133.800 | -.4170 | -.4425 | -.4943 | -.2297 | | .1914 | |
| 149.100 | -.5005 | -.5221 | -.5183 | -.3507 | | .1905 | |
| 180.000 | -.5036 | -.3265 | -.4467 | -.3941 | .1406 | .1923 | .2340 |

ALPHA ( 3) = 21.200 BETA ( 7) = .990 Q(PSF) = 60.812 PO = 2126.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4400 | -.4300 | -.3257 | -.0523 | .1369 | .1710 | .2302 |
| 44.800 | -.4045 | -.3906 | -.3125 | -.1049 | .1489 | .1969 | |
| 50.100 | -.8318 | -.2098 | -.2136 | -.1289 | .1526 | .1951 | |
| 101.400 | -.3906 | -.4740 | -.5289 | -.3081 | | .2034 | |
| 115.600 | -.4431 | -.5204 | -.5969 | -.3552 | | .2034 | |
| 133.800 | -.4586 | -.4663 | -.4934 | -.2490 | | .1923 | |
| 149.100 | -.4076 | -.4354 | -.4679 | -.3367 | | .1914 | |
| 180.000 | -.5096 | -.3179 | -.4392 | -.3921 | .1461 | .1923 | .2302 |

0A172 TAILCONE PRESSURES GEAR ON (CFG009)

ALPHA ( 3) = 21.200 BETA ( 8) = 1.980 Q(PSF) = 60.812 PO = 2126.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4424 | -.4324 | -.3274 | -.0614 | .1357 | .1726 | .2344 |
| 44.800 | -.4069 | -.3938 | -.3128 | -.1094 | .1514 | .1984 | |
| 50.100 | -.8250 | -.2017 | -.2071 | -.1241 | .1542 | .1975 | |
| 101.400 | -.3938 | -.4725 | -.5195 | -.2937 | | .2058 | |
| 115.600 | -.4578 | -.5311 | -.5928 | -.3398 | | .2067 | |
| 133.800 | -.4871 | -.5373 | -.5581 | -.3039 | | .1984 | |
| 149.100 | -.4000 | -.4293 | -.4447 | -.3076 | | .1993 | |
| 180.000 | -.5072 | -.3120 | -.4348 | -.3831 | .1459 | .2021 | .2344 |

ALPHA ( 3) = 21.190 BETA ( 9) = 3.980 Q(PSF) = 60.812 PO = 2126.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4394 | -.4286 | -.3329 | -.0808 | .1367 | .1717 | .2326 |
| 44.800 | -.4047 | -.3908 | -.3136 | -.1066 | .1542 | .1975 | |
| 50.100 | -.8214 | -.2002 | -.1840 | -.1159 | .1560 | .1975 | |
| 101.400 | -.4008 | -.4749 | -.4973 | -.2698 | | .2049 | |
| 115.600 | -.5112 | -.5675 | -.5953 | -.3546 | | .2114 | |
| 133.800 | -.3939 | -.4232 | -.5413 | -.2790 | | .2096 | |
| 149.100 | -.4247 | -.4494 | -.4448 | -.2800 | | .2086 | |
| 180.000 | -.4626 | -.3213 | -.4376 | -.3768 | .1542 | .2096 | .2326 |

ALPHA ( 3) = 21.180 BETA (10) = 5.970 Q(PSF) = 60.812 PO = 2126.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4430 | -.4322 | -.3396 | -.0900 | .1384 | .1550 | .2103 |
| 44.800 | -.4075 | -.3936 | -.3073 | -.0854 | .1661 | .1836 | |
| 50.100 | -.8363 | -.1931 | -.1461 | -.0891 | .1734 | .1836 | |
| 101.400 | -.3875 | -.4360 | -.4561 | -.2457 | | .1873 | |
| 115.600 | -.5108 | -.5803 | -.6088 | -.3240 | | .1928 | |
| 133.800 | -.4468 | -.4700 | -.5679 | -.2724 | | .1910 | |
| 149.100 | -.4484 | -.4669 | -.4592 | -.2798 | | .1891 | |
| 180.000 | -.4183 | -.4021 | -.4567 | -.3480 | .1357 | .1891 | .2103 |

0A172 TAILCONE PRESSURES GEAR ON (CF0009)

ALPHA ( 3) = 21.180 BETA (11) = 7.980 Q(PSF) = 60.812 PO = 2126.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4284 | -.4160 | -.3296 | -.0872 | .1384 | .1486 | .2057 |
| 44.800 | -.3875 | -.3736 | -.2841 | -.0485 | .1661 | .1744 | |
| 50.100 | -.8356 | -.1746 | -.1060 | -.0448 | .1698 | .1771 | |
| 101.400 | -.3906 | -.4554 | -.4631 | -.2300 | | .1891 | |
| 115.600 | -.5664 | -.6296 | -.6235 | -.3047 | | .1928 | |
| 133.800 | -.4692 | -.4908 | -.5780 | -.2660 | | .1910 | |
| 149.100 | -.4669 | -.4816 | -.4723 | -.2881 | | .1891 | |
| 180.000 | -.4014 | -.3505 | -.3664 | -.2761 | .1366 | .1882 | .2057 |

ALPHA ( 3) = 21.170 BETA (12) = 9.980 Q(PSF) = 60.812 PO = 2126.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4283 | -.4152 | -.3312 | -.0910 | .1338 | .1919 | .2722 |
| 44.800 | -.3844 | -.3674 | -.2710 | -.0375 | .1725 | .2214 | |
| 50.100 | -.7962 | -.1538 | -.0728 | -.0255 | .1762 | .2224 | |
| 101.400 | -.4176 | -.4762 | -.4584 | -.2144 | | .2482 | |
| 115.600 | -.6088 | -.6636 | -.6250 | -.2733 | | .2454 | |
| 133.800 | -.5032 | -.5209 | -.6050 | -.2743 | | .2279 | |
| 149.100 | -.5078 | -.5201 | -.4916 | -.2890 | | .2177 | |
| 180.000 | -.4037 | -.3397 | -.3581 | -.2697 | .1440 | .2113 | .2722 |

OA172 TAILCONE PRESSURES GEAR ON (CFG010) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = -10.000
SPDBRK = .000 BDFLAP = -11.700

ALPHA ( 1) = .060 BETA ( 1) = -9.970 Q(PSF) = 60.551 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3631 | -.3554 | -.2785 | -.0600 | .1200 | .1255 | .1460 |
| 44.800 | -.3352 | -.3297 | -.2917 | -.1593 | .1144 | .1432 | |
| 50.100 | -1.6373 | -.3150 | -.2878 | -.1825 | .1070 | .1404 | |
| 101.400 | -.3437 | -.4401 | -.5201 | -.3422 | | .1552 | |
| 115.600 | -.3748 | -.4564 | -.5535 | -.3543 | | .1571 | |
| 133.800 | -.3903 | -.4346 | -.5721 | -.2782 | | .1506 | |
| 149.100 | -.4323 | -.4765 | -.4556 | -.2559 | | .1469 | |
| 180.000 | -.4843 | -.3476 | -.4146 | -.3348 | .1497 | .1413 | .1460 |

ALPHA ( 1) = .070 BETA ( 2) = -7.980 Q(PSF) = 60.551 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3538 | -.3468 | -.2660 | -.0563 | .1255 | .1320 | .1562 |
| 44.800 | -.3235 | -.3173 | -.2746 | -.1306 | .1218 | .1524 | |
| 50.100 | -1.6263 | -.3095 | -.2784 | -.1705 | .1162 | .1497 | |
| 101.400 | -.3538 | -.4447 | -.5100 | -.3273 | | .1608 | |
| 115.600 | -.3864 | -.4618 | -.5434 | -.3329 | | .1627 | |
| 133.800 | -.3989 | -.4385 | -.5620 | -.2661 | | .1571 | |
| 149.100 | -.4393 | -.4758 | -.4532 | -.2540 | | .1552 | |
| 180.000 | -.4696 | -.3352 | -.4053 | -.3301 | .1497 | .1478 | .1562 |

ALPHA ( 1) = .070 BETA ( 3) = -5.970 Q(PSF) = 60.551 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3484 | -.3414 | -.2623 | -.0617 | .1327 | .1447 | .1725 |
| 44.800 | -.3174 | -.3112 | -.2670 | -.1173 | .1290 | .1604 | |
| 50.100 | -1.6437 | -.3166 | -.2809 | -.1618 | .1280 | .1614 | |
| 101.400 | -.3647 | -.4499 | -.5057 | -.3174 | | .1688 | |
| 115.600 | -.3988 | -.4693 | -.5360 | -.3137 | | .1716 | |
| 133.800 | -.4081 | -.4476 | -.5592 | -.2544 | | .1660 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG010)

ALPHA ( 1) = .070 BETA ( 3) = -5.970

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4476 | -.4833 | -.4569 | -.2534 | | .1614 | |
| 180.000 | -.4740 | -.3189 | -.3933 | -.3211 | .1567 | .1697 | .1725 |

ALPHA ( 1) = .060 BETA ( 4) = -3.990 Q(PSF) = 60.551 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3417 | -.3355 | -.2594 | -.0581 | .1402 | .1541 | .1875 |
| 44.800 | -.3137 | -.3068 | -.2641 | -.1128 | .1420 | .1745 | |
| 50.100 | -1.6744 | -.3339 | -.2773 | -.1554 | .1402 | .1745 | |
| 101.400 | -.3712 | -.4549 | -.4992 | -.3037 | | .1791 | |
| 115.600 | -.4092 | -.4774 | -.5310 | -.2935 | | .1800 | |
| 133.800 | -.4192 | -.4542 | -.5573 | -.2444 | | .1819 | |
| 149.100 | -.4590 | -.4006 | -.4050 | -.2536 | | .1837 | |
| 180.000 | -.4829 | -.3207 | -.3862 | -.3102 | .1596 | .1837 | .1875 |

ALPHA ( 1) = .060 BETA ( 5) = -1.990 Q(PSF) = 60.551 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3447 | -.3385 | -.2579 | -.0599 | .1476 | .1652 | .2014 |
| 44.800 | -.3137 | -.3083 | -.2641 | -.1109 | .1457 | .1865 | |
| 50.100 | -1.6432 | -.3401 | -.2703 | -.1526 | .1467 | .1874 | |
| 101.400 | -.3742 | -.4494 | -.4867 | -.2870 | | .1847 | |
| 115.600 | -.4176 | -.4781 | -.5177 | -.2712 | | .1884 | |
| 133.800 | -.4285 | -.4619 | -.5526 | -.2332 | | .1949 | |
| 149.100 | -.4681 | -.4968 | -.4704 | -.2564 | | .1930 | |
| 180.000 | -.4750 | -.3308 | -.3954 | -.3166 | .1606 | .1939 | .2014 |

OA172 TAILCONE PRESSURES GEAR ON (CFG010)

ALPHA ( 1) = .060 BETA ( 6) = -1.000 Q(PSF) = 60.551 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3498 | -.3428 | -.2615 | -.0534 | .1493 | .1696 | .2086 |
| 44.800 | -.3180 | -.3118 | -.2661 | -.1089 | .1493 | .1937 | |
| 50.100 | -1.6228 | -.3389 | -.2653 | -.1487 | .1474 | .1928 | |
| 101.400 | -.3746 | -.4459 | -.4761 | -.2765 | | .1891 | |
| 115.600 | -.4218 | -.4776 | -.5117 | -.2598 | | .1946 | |
| 133.800 | -.4350 | -.4652 | -.5512 | -.2293 | | .2002 | |
| 149.100 | -.4753 | -.5009 | -.4745 | -.2580 | | .2002 | |
| 180.000 | -.4660 | -.3366 | -.4005 | -.3237 | .1650 | .1984 | .2086 |

ALPHA ( 1) = .060 BETA ( 7) = .000 Q(PSF) = 60.551 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3534 | -.3449 | -.2626 | -.0535 | .1541 | .1755 | .2145 |
| 44.800 | -.3193 | -.3123 | -.2642 | -.1054 | .1523 | .1977 | |
| 50.100 | -1.5966 | -.3364 | -.2595 | -.1452 | .1523 | .1968 | |
| 101.400 | -.3736 | -.4396 | -.4667 | -.2630 | | .1977 | |
| 115.600 | -.4248 | -.4791 | -.5040 | -.2482 | | .2033 | |
| 133.800 | -.4411 | -.4698 | -.5505 | -.2241 | | .2061 | |
| 149.100 | -.4822 | -.5079 | -.4815 | -.2621 | | .2052 | |
| 180.000 | -.4574 | -.3472 | -.4067 | -.3279 | .1699 | .2070 | .2145 |

ALPHA ( 1) = .060 BETA ( 8) = 1.000 Q(PSF) = 60.551 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3540 | -.3470 | -.2617 | -.0581 | .1522 | .1772 | .2143 |
| 44.800 | -.3191 | -.3144 | -.2640 | -.0997 | .1540 | .2022 | |
| 50.100 | -1.5497 | -.3315 | -.2524 | -.1396 | .1512 | .2022 | |
| 101.400 | -.3695 | -.4362 | -.4532 | -.2498 | | .2004 | |
| 115.600 | -.4276 | -.4796 | -.4982 | -.2369 | | .2059 | |
| 133.800 | -.4470 | -.4742 | -.5509 | -.2202 | | .2097 | |
| 149.100 | -.4873 | -.5121 | -.4866 | -.2637 | | .2097 | |
| 180.000 | -.4687 | -.3571 | -.4092 | -.3332 | .1753 | .2050 | .2143 |

OA172 TAILCONE PRESSURES GEAR ON (CFG010)

ALPHA ( 1) = .060 BETA ( 9) = 1.980 Q(PSF) = 60.551 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3562 | -.3485 | -.2639 | -.0553 | .1549 | .1762 | .2133 |
| 44.800 | -.3198 | -.3136 | -.2624 | -.0979 | .1559 | .2003 | |
| 50.100 | -1.5223 | -.3260 | -.2453 | -.1340 | .1568 | .2013 | |
| 101.400 | -.3694 | -.4322 | -.4454 | -.2442 | | .2031 | |
| 115.600 | -.4330 | -.4803 | -.4911 | -.2276 | | .2133 | |
| 133.800 | -.4547 | -.4810 | -.5485 | -.2165 | | .2106 | |
| 149.100 | -.4950 | -.5183 | -.4927 | -.2702 | | .2078 | |
| 180.000 | -.4803 | -.3632 | -.4128 | -.3387 | .1809 | .2031 | .2133 |

ALPHA ( 1) = .060 BETA (10) = 4.000 Q(PSF) = 60.551 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3634 | -.3541 | -.2680 | -.0534 | .1541 | .1726 | .2070 |
| 44.800 | -.3246 | -.3168 | -.2625 | -.0924 | .1587 | .1995 | |
| 50.100 | -1.4836 | -.3130 | -.2354 | -.1257 | .1596 | .1986 | |
| 101.400 | -.3665 | -.4239 | -.4324 | -.2295 | | .2051 | |
| 115.600 | -.4402 | -.4798 | -.4782 | -.2092 | | .2079 | |
| 133.800 | -.4697 | -.4891 | -.5496 | -.2101 | | .2005 | |
| 149.100 | -.5123 | -.5286 | -.5038 | -.2740 | | .1967 | |
| 180.000 | -.4968 | -.3867 | -.4316 | -.3491 | .1791 | .1977 | .2070 |

ALPHA ( 1) = .060 BETA (11) = 5.970 Q(PSF) = 60.551 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3732 | -.3647 | -.2740 | -.0543 | .1438 | .1577 | .1855 |
| 44.800 | -.3321 | -.3236 | -.2631 | -.0867 | .1512 | .1790 | |
| 50.100 | -1.4585 | -.3058 | -.2321 | -.1219 | .1503 | .1827 | |
| 101.400 | -.3639 | -.4112 | -.4065 | -.2071 | | .1882 | |
| 115.600 | -.4476 | -.4778 | -.4592 | -.1858 | | .1845 | |
| 133.800 | -.4864 | -.5027 | -.5507 | -.2007 | | .1753 | |
| 149.100 | -.5313 | -.5453 | -.5189 | -.2822 | | .1753 | |
| 180.000 | -.5236 | -.4096 | -.4396 | -.3553 | .1660 | .1781 | .1855 |

0A172 TAILCONE PRESSURES GEAR ON (CFG010)

ALPHA ( 1) = .060 BETA (12) = 7.990 Q(PSF) = 60.551 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3799 | -.3713 | -.2798 | -.0544 | .1319 | .1301 | .1579 |
| 44.800 | -.3387 | -.3294 | -.2673 | -.0859 | .1384 | .1597 | |
| 50.100 | -1.4331 | -.3054 | -.2340 | -.1239 | .1393 | .1616 | |
| 101.400 | -.3651 | -.4039 | -.3853 | -.1981 | | .1727 | |
| 115.600 | -.4552 | -.4792 | -.4412 | -.1685 | | .1607 | |
| 133.800 | -.5048 | -.5188 | -.5530 | -.1916 | | .1421 | |
| 149.100 | -.5506 | -.5615 | -.5336 | -.2946 | | .1440 | |
| 180.000 | -.5452 | -.4311 | -.4439 | -.3558 | .1532 | .1486 | .1579 |

ALPHA ( 1) = .060 BETA (13) = 10.010 Q(PSF) = 60.551 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3334 | -.3785 | -.2826 | -.0562 | .1309 | .1309 | .1401 |
| 44.800 | -.3423 | -.3338 | -.2663 | -.0868 | .1411 | .1633 | |
| 50.100 | -1.3567 | -.2842 | -.2268 | -.1155 | .1438 | .1661 | |
| 101.400 | -.3648 | -.3997 | -.3741 | -.1933 | | .1911 | |
| 115.600 | -.4563 | -.4695 | -.4176 | -.1544 | | .1791 | |
| 133.800 | -.5238 | -.5316 | -.5502 | -.1776 | | .1374 | |
| 149.100 | -.5711 | -.5781 | -.5440 | -.3027 | | .1346 | |
| 180.000 | -.5680 | -.4455 | -.4426 | -.3518 | .1550 | .1429 | .1401 |

ALPHA ( 2) = 10.580 BETA ( 1) = -9.970 Q(PSF) = 60.582 PO = 2125.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3534 | -.3510 | -.2905 | -.0850 | .1430 | .1866 | .2516 |
| 44.800 | -.3409 | -.3371 | -.3084 | -.1712 | .1059 | .2005 | |
| 50.100 | -1.7926 | -.3743 | -.3262 | -.2240 | .0939 | .1996 | |
| 101.400 | -.3285 | -.4356 | -.5435 | -.4159 | | .2543 | |
| 115.600 | -.4503 | -.5326 | -.6404 | -.4873 | | .2506 | |
| 133.800 | -.4853 | -.5186 | -.6141 | -.3084 | | .2144 | |
| 149.100 | -.4884 | -.5140 | -.4294 | -.2083 | | .2079 | |
| 180.000 | -.5047 | -.3611 | -.3473 | -.2509 | .1606 | .2116 | .2516 |

OA172 TAILCONE PRESSURES GEAR ON (CFG010)

ALPHA ( 2) = 10.570 BETA ( 2) = -7.990 Q(PSF) = 60.582 PO = 2125.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3563 | -.3516 | -.2872 | -.0757 | .1587 | .1874 | .2468 |
| 44.800 | -.3392 | -.3353 | -.3020 | -.1618 | .1179 | .2032 | |
| 50.100 | -1.6954 | -.3640 | -.3082 | -.2007 | .1095 | .2004 | |
| 101.400 | -.3408 | -.4439 | -.5424 | -.4027 | | .2403 | |
| 115.600 | -.4501 | -.5292 | -.6277 | -.4574 | | .2347 | |
| 133.800 | -.4788 | -.5106 | -.5974 | -.2823 | | .2189 | |
| 149.100 | -.4811 | -.5028 | -.4183 | -.1980 | | .2189 | |
| 180.000 | -.4485 | -.3314 | -.3462 | -.2498 | .1735 | .2226 | .2468 |

ALPHA ( 2) = 10.570 BETA ( 3) = -5.960 Q(PSF) = 60.582 PO = 2125.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3566 | -.3511 | -.2758 | -.0562 | .1606 | .1885 | .2433 |
| 44.800 | -.3356 | -.3294 | -.2929 | -.1490 | .1282 | .2042 | |
| 50.100 | -1.6495 | -.3589 | -.2890 | -.1851 | .1180 | .2005 | |
| 101.400 | -.3519 | -.4489 | -.5382 | -.3873 | | .2228 | |
| 115.600 | -.4497 | -.5273 | -.6134 | -.4262 | | .2238 | |
| 133.800 | -.4745 | -.5032 | -.5808 | -.2602 | | .2163 | |
| 149.100 | -.4807 | -.4962 | -.4132 | -.1907 | | .2182 | |
| 180.000 | -.4078 | -.3201 | -.3409 | -.2417 | .1708 | .2200 | .2433 |

ALPHA ( 2) = 10.570 BETA ( 4) = -3.990 Q(PSF) = 60.582 PO = 2125.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3642 | -.3580 | -.2750 | -.0553 | .1532 | .1708 | .2209 |
| 44.800 | -.3386 | -.3332 | -.2921 | -.1378 | .1346 | .1866 | |
| 50.100 | -1.5902 | -.3588 | -.2781 | -.1805 | .1291 | .1894 | |
| 101.400 | -.3604 | -.4511 | -.5303 | -.3659 | | .2024 | |
| 115.600 | -.4473 | -.5186 | -.5931 | -.3835 | | .2051 | |
| 133.800 | -.4667 | -.4938 | -.5559 | -.2222 | | .2033 | |
| 149.100 | -.4698 | -.4767 | -.3867 | -.1721 | | .2033 | |
| 180.000 | -.4155 | -.3200 | -.3668 | -.2639 | .1634 | .2033 | .2209 |

OA172 TAILCONE PRESSURES GEAR ON (CFG010)

ALPHA ( 2) = 10.570 BETA ( 5) = -2.000 Q(PSF) = 60.582 PO = 2125.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3694 | -.3617 | -.2756 | -.0562 | .1522 | .1790 | .2291 |
| 44.800 | -.3408 | -.3330 | -.2872 | -.1248 | .1503 | .2022 | |
| 50.100 | -1.4830 | -.3547 | -.2679 | -.1683 | .1503 | .2013 | |
| 101.400 | -.3663 | -.4493 | -.5152 | -.3379 | | .2078 | |
| 115.600 | -.4416 | -.5075 | -.5656 | -.3406 | | .2106 | |
| 133.800 | -.4578 | -.4772 | -.5183 | -.1933 | | .2078 | |
| 149.100 | -.4718 | -.4710 | -.3834 | -.1803 | | .2050 | |
| 180.000 | -.5168 | -.3074 | -.3666 | -.2795 | .1753 | .2078 | .2291 |

ALPHA ( 2) = 10.570 BETA ( 6) = -1.010 Q(PSF) = 60.582 PO = 2125.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3765 | -.3687 | -.2803 | -.0627 | .1485 | .1772 | .2255 |
| 44.800 | -.3447 | -.3377 | -.2873 | -.1164 | .1540 | .1985 | |
| 50.100 | -1.4165 | -.3509 | -.2656 | -.1618 | .1540 | .1995 | |
| 101.400 | -.3687 | -.4502 | -.5052 | -.3231 | | .2050 | |
| 115.600 | -.4401 | -.5013 | -.5549 | -.3203 | | .2060 | |
| 133.800 | -.4533 | -.4726 | -.4990 | -.1915 | | .2032 | |
| 149.100 | -.4796 | -.4804 | -.3959 | -.1804 | | .2050 | |
| 180.000 | -.4975 | -.3036 | -.3824 | -.2869 | .1754 | .2050 | .2255 |

ALPHA ( 2) = 10.570 BETA ( 7) = .000 Q(PSF) = 60.582 PO = 2125.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3818 | -.3741 | -.2857 | -.0710 | .1410 | .1735 | .2208 |
| 44.800 | -.3501 | -.3415 | -.2872 | -.1146 | .1512 | .1976 | |
| 50.100 | -1.3589 | -.3384 | -.2586 | -.1544 | .1568 | .1967 | |
| 101.400 | -.3702 | -.4470 | -.4966 | -.3101 | | .2032 | |
| 115.600 | -.4361 | -.4958 | -.5393 | -.3026 | | .2050 | |
| 133.800 | -.4516 | -.4687 | -.4943 | -.1933 | | .2041 | |
| 149.100 | -.4881 | -.4904 | -.4059 | -.1803 | | .2050 | |
| 180.000 | -.4679 | -.3198 | -.3888 | -.2924 | .1735 | .2013 | .2208 |

0A172 TAILCONE PRESSURES GEAR ON (CFG010)

ALPHA ( 2) = 10.570 BETA ( 8) = .990 Q(PSF) = 60.582 PO = 2125.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3850 | -.3788 | -.2857 | -.0664 | .1466 | .1753 | .2171 |
| 44.800 | -.3524 | -.3447 | -.2865 | -.1081 | .1568 | .2004 | |
| 50.100 | -1.3141 | -.3299 | -.2609 | -.1535 | .1624 | .2004 | |
| 101.400 | -.3718 | -.4463 | -.4889 | -.3008 | | .2041 | |
| 115.600 | -.4331 | -.4897 | -.5246 | -.2851 | | .2022 | |
| 133.800 | -.4556 | -.4719 | -.5013 | -.1924 | | .2004 | |
| 149.100 | -.4936 | -.4990 | -.4145 | -.1794 | | .2013 | |
| 180.000 | -.4889 | -.3555 | -.3861 | -.2906 | .1707 | .1995 | .2171 |

ALPHA ( 2) = 10.570 BETA ( 9) = 1.980 Q(PSF) = 60.582 PO = 2125.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3898 | -.3828 | -.2882 | -.0609 | .1541 | .1819 | .2293 |
| 44.800 | -.3557 | -.3463 | -.2843 | -.1054 | .1671 | .2088 | |
| 50.100 | -1.2634 | -.3200 | -.2509 | -.1396 | .1689 | .2079 | |
| 101.400 | -.3712 | -.4418 | -.4790 | -.2852 | | .2088 | |
| 115.600 | -.4239 | -.4751 | -.5093 | -.2703 | | .2088 | |
| 133.800 | -.4596 | -.4728 | -.5116 | -.1906 | | .1958 | |
| 149.100 | -.5007 | -.5031 | -.4193 | -.1832 | | .1958 | |
| 180.000 | -.5232 | -.3557 | -.3751 | -.2852 | .1708 | .1968 | .2293 |

ALPHA ( 2) = 10.560 BETA (10) = 3.990 Q(PSF) = 60.582 PO = 2125.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4020 | -.3927 | -.2934 | -.0599 | .1494 | .1698 | .2199 |
| 44.800 | -.3609 | -.3531 | -.2857 | -.0997 | .1707 | .1985 | |
| 50.100 | -1.2146 | -.3089 | -.2508 | -.1349 | .1670 | .1994 | |
| 101.400 | -.3702 | -.4330 | -.4539 | -.2572 | | .1994 | |
| 115.600 | -.4291 | -.4772 | -.4974 | -.2470 | | .1957 | |
| 133.800 | -.4664 | -.4795 | -.5168 | -.1720 | | .1985 | |
| 149.100 | -.5036 | -.5082 | -.4315 | -.1840 | | .1994 | |
| 180.000 | -.4470 | -.3787 | -.3582 | -.2526 | .1642 | .2013 | .2199 |

OA172 TAILCONE PRESSURES GEAR ON (CFG010)

ALPHA ( 2) = 10.560 BETA (11) = 5.970 Q(PSF) = 60.582 PO = 2125.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3976 | -.3883 | -.2905 | -.0627 | .1615 | .1949 | .2571 |
| 44.800 | -.3557 | -.3464 | -.2750 | -.0877 | .1856 | .2255 | |
| 50.100 | -1.0718 | -.2765 | -.2191 | -.1044 | .1884 | .2255 | |
| 101.400 | -.3689 | -.4325 | -.4527 | -.2426 | | .2283 | |
| 115.600 | -.4449 | -.4899 | -.5046 | -.2324 | | .2311 | |
| 133.800 | -.4798 | -.4907 | -.5248 | -.1693 | | .2172 | |
| 149.100 | -.5194 | -.5217 | -.4449 | -.1860 | | .2107 | |
| 180.000 | -.4495 | -.3673 | -.3538 | -.2500 | .1810 | .2070 | .2571 |

ALPHA ( 2) = 21.160 BETA (12) = 7.980 Q(PSF) = 60.582 PO = 2125.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4429 | -.4306 | -.3393 | -.0903 | .1444 | .1759 | .2435 |
| 44.800 | -.4043 | -.3880 | -.2944 | -.0552 | .1777 | .2120 | |
| 50.100 | -1.0519 | -.1806 | -.1110 | -.0533 | .1814 | .2101 | |
| 101.400 | -.4066 | -.4716 | -.4793 | -.2345 | | .2324 | |
| 115.600 | -.5822 | -.6449 | -.6395 | -.3066 | | .2268 | |
| 133.800 | -.5234 | -.5389 | -.6039 | -.2475 | | .2027 | |
| 149.100 | -.5474 | -.5466 | -.4669 | -.2539 | | .1953 | |
| 180.000 | -.4321 | -.3733 | -.3556 | -.2650 | .1361 | .1833 | .2435 |

ALPHA ( 2) = 21.160 BETA (13) = 10.000 Q(PSF) = 60.582 PO = 2125.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4453 | -.4345 | -.3439 | -.0921 | .1334 | .2046 | .2945 |
| 44.800 | -.4020 | -.3873 | -.2844 | -.0431 | .1805 | .2454 | |
| 50.100 | -1.0281 | -.1598 | -.0855 | -.0320 | .1861 | .2481 | |
| 101.400 | -.4345 | -.4941 | -.4693 | -.2114 | | .2778 | |
| 115.600 | -.6218 | -.6744 | -.6380 | -.2641 | | .2713 | |
| 133.800 | -.5544 | -.5668 | -.6287 | -.2475 | | .2092 | |
| 149.100 | -.5962 | -.5862 | -.4832 | -.2438 | | .1833 | |
| 180.000 | -.4802 | -.3950 | -.3621 | -.2632 | .1472 | .1648 | .2945 |

OA172 TAILCONE PRESSURES GEAR ON (CF0010)

ALPHA ( 3) = 21.170 BETA ( 1) = -9.960 Q(PSF) = 60.739 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4167 | -.4089 | -.3377 | -.0921 | .1361 | .1833 | .2639 |
| 44.800 | -.3958 | -.3857 | -.3246 | -.1550 | .0964 | .1962 | |
| 50.100 | -1.3716 | -.2394 | -.2100 | -.1633 | .0936 | .1935 | |
| 101.400 | -.2959 | -.4190 | -.5768 | -.4629 | | .2222 | |
| 115.600 | -.4167 | -.4786 | -.6883 | -.5766 | | .2277 | |
| 133.800 | -.5761 | -.6047 | -.7107 | -.4046 | | .2138 | |
| 149.100 | -.5211 | -.5381 | -.4337 | -.2401 | | .2055 | |
| 180.000 | -.4128 | -.3284 | -.3593 | -.2706 | .1334 | .2055 | .2639 |

ALPHA ( 3) = 21.180 BETA ( 2) = -7.980 Q(PSF) = 60.739 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4085 | -.4008 | -.3250 | -.0847 | .1351 | .1314 | .1933 |
| 44.800 | -.3884 | -.3792 | -.3189 | -.1512 | .0972 | .1462 | |
| 50.100 | -1.3015 | -.2477 | -.2006 | -.1558 | .0944 | .1452 | |
| 101.400 | -.3227 | -.4426 | -.5887 | -.4505 | | .1720 | |
| 115.600 | -.4171 | -.4774 | -.6761 | -.5401 | | .1739 | |
| 133.800 | -.5585 | -.5864 | -.6768 | -.3526 | | .1767 | |
| 149.100 | -.4944 | -.5029 | -.4016 | -.2158 | | .1739 | |
| 180.000 | -.4217 | -.3513 | -.3747 | -.2805 | .1258 | .1776 | .1933 |

ALPHA ( 3) = 21.170 BETA ( 3) = -5.980 Q(PSF) = 60.739 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4202 | -.4117 | -.3328 | -.0847 | .1369 | .1490 | .2072 |
| 44.800 | -.3970 | -.3900 | -.3266 | -.1493 | .1139 | .1702 | |
| 50.100 | -1.2290 | -.2787 | -.2045 | -.1586 | .1166 | .1702 | |
| 101.400 | -.3498 | -.4658 | -.5949 | -.4339 | | .1767 | |
| 115.600 | -.4202 | -.5006 | -.6568 | -.4958 | | .1776 | |
| 133.800 | -.5308 | -.5563 | -.6367 | -.2944 | | .1730 | |
| 149.100 | -.4658 | -.4674 | -.3784 | -.2002 | | .1730 | |
| 180.000 | -.4364 | -.3746 | -.4570 | -.3360 | .1268 | .1785 | .2072 |

OA172 TAILCONE PRESSURES GEAR ON (CFG010)

ALPHA ( 3) = 21.180 BETA ( 4) = -3.990 Q(PSF) = 60.739 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4248 | -.4186 | -.3289 | -.0773 | .1388 | .1665 | .2220 |
| 44.800 | -.4008 | -.3900 | -.3227 | -.1364 | .1305 | .1924 | |
| 50.100 | -1.1469 | -.2779 | -.2114 | -.1521 | .1342 | .1924 | |
| 101.400 | -.3792 | -.4843 | -.5964 | -.4108 | | .1915 | |
| 115.600 | -.4348 | -.5238 | -.6451 | -.4643 | | .1942 | |
| 133.800 | -.5145 | -.5384 | -.6142 | -.2759 | | .1924 | |
| 149.100 | -.4921 | -.4851 | -.3900 | -.2057 | | .1942 | |
| 180.000 | -.4843 | -.3142 | -.4237 | -.3683 | .1462 | .1961 | .2220 |

ALPHA ( 3) = 21.190 BETA ( 5) = -1.990 Q(PSF) = 60.739 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4349 | -.4248 | -.3274 | -.0570 | .1351 | .1721 | .2303 |
| 44.800 | -.4047 | -.3931 | -.3135 | -.1133 | .1333 | .1952 | |
| 50.100 | -1.0403 | -.2447 | -.2114 | -.1420 | .1370 | .1952 | |
| 101.400 | -.3993 | -.4937 | -.5926 | -.3766 | | .1961 | |
| 115.600 | -.4442 | -.5346 | -.6429 | -.4376 | | .2016 | |
| 133.800 | -.4975 | -.5176 | -.5818 | -.2630 | | .2016 | |
| 149.100 | -.4867 | -.4867 | -.4117 | -.2325 | | .2016 | |
| 180.000 | -.4921 | -.3228 | -.4330 | -.3794 | .1416 | .2007 | .2303 |

ALPHA ( 3) = 21.190 BETA ( 6) = -1.000 Q(PSF) = 60.739 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4354 | -.4277 | -.3242 | -.0523 | .1332 | .1692 | .2321 |
| 44.800 | -.4069 | -.3937 | -.3133 | -.1096 | .1378 | .1905 | |
| 50.100 | -.9911 | -.2299 | -.2183 | -.1382 | .1397 | .1942 | |
| 101.400 | -.4030 | -.4950 | -.5730 | -.3663 | | .1979 | |
| 115.600 | -.4548 | -.5382 | -.6410 | -.4226 | | .1988 | |
| 133.800 | -.4934 | -.5166 | -.5676 | -.2582 | | .1969 | |
| 149.100 | -.5985 | -.5715 | -.4880 | -.2638 | | .1979 | |
| 180.000 | -.4872 | -.3319 | -.4383 | -.3884 | .1415 | .1914 | .2321 |

0A172 TAILCONE PRESSURES GEAR ON (CFG010)

ALPHA ( 3) = 21.190 BETA ( 7) = .000 Q(PSF) = 60.739 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4417 | -.4332 | -.3281 | -.0505 | .1323 | .1720 | .2330 |
| 44.800 | -.4115 | -.3976 | -.3157 | -.1114 | .1397 | .1960 | |
| 50.100 | -.9464 | -.2222 | -.2222 | -.1382 | .1415 | .1970 | |
| 101.400 | -.4092 | -.4973 | -.5669 | -.3506 | | .1988 | |
| 115.600 | -.4626 | -.5445 | -.6388 | -.4088 | | .2025 | |
| 133.800 | -.5020 | -.5259 | -.5638 | -.2573 | | .1988 | |
| 149.100 | -.5862 | -.6032 | -.5793 | -.3599 | | .1942 | |
| 180.000 | -.4873 | -.3443 | -.4467 | -.3931 | .1388 | .1914 | .2330 |

ALPHA ( 3) = 21.190 BETA ( 8) = .990 Q(PSF) = 60.739 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4426 | -.4357 | -.3282 | -.0533 | .1305 | .1721 | .2368 |
| 44.800 | -.4125 | -.4009 | -.3174 | -.1133 | .1453 | .1998 | |
| 50.100 | -.9158 | -.2099 | -.2207 | -.1355 | .1406 | .1942 | |
| 101.400 | -.4163 | -.5014 | -.5547 | -.3323 | | .2072 | |
| 115.600 | -.4774 | -.5594 | -.6390 | -.3914 | | .2072 | |
| 133.800 | -.5462 | -.5439 | -.5517 | -.2694 | | .1924 | |
| 149.100 | -.5068 | -.5285 | -.5114 | -.3424 | | .1841 | |
| 180.000 | -.4867 | -.3506 | -.4376 | -.3859 | .1296 | .1767 | .2368 |

ALPHA ( 3) = 21.180 BETA ( 9) = 1.980 Q(PSF) = 60.739 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4501 | -.4392 | -.3339 | -.0681 | .1343 | .1796 | .2473 |
| 44.800 | -.4175 | -.4052 | -.3223 | -.1144 | .1500 | .2093 | |
| 50.100 | -.9501 | -.2093 | -.2147 | -.1338 | .1463 | .2065 | |
| 101.400 | -.4206 | -.4988 | -.5429 | -.3123 | | .2185 | |
| 115.600 | -.4934 | -.5685 | -.6327 | -.3715 | | .2176 | |
| 133.800 | -.5902 | -.6234 | -.6289 | -.3095 | | .1861 | |
| 149.100 | -.5104 | -.5228 | -.4864 | -.2975 | | .1732 | |
| 180.000 | -.4934 | -.3556 | -.4242 | -.3668 | .1168 | .1639 | .2473 |

0A172 TAILCONE PRESSURES GEAR ON (CFG010)

ALPHA ( 3) = 21.180 BETA (10) = 3.980 Q(PSF) = 60.739 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4537 | -.4467 | -.3432 | -.0790 | .1340 | .1709 | .2402 |
| 44.800 | -.4220 | -.4089 | -.3247 | -.1086 | .1580 | .2079 | |
| 50.100 | -.9827 | -.2096 | -.1880 | -.1215 | .1626 | .2079 | |
| 101.400 | -.4197 | -.4892 | -.5108 | -.2728 | | .2282 | |
| 115.600 | -.5479 | -.6019 | -.6135 | -.3558 | | .2236 | |
| 133.800 | -.4591 | -.4900 | -.5865 | -.2710 | | .1617 | |
| 149.100 | -.5216 | -.5301 | -.4606 | -.2304 | | .1479 | |
| 180.000 | -.4977 | -.3826 | -.3798 | -.2876 | .1119 | .1423 | .2402 |

ALPHA ( 3) = 21.170 BETA (11) = 5.970 Q(PSF) = 60.739 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4600 | -.4538 | -.3532 | -.0884 | .1361 | .1546 | .2166 |
| 44.800 | -.4252 | -.4120 | -.3223 | -.0866 | .1722 | .1926 | |
| 50.100 | -1.0443 | -.2008 | -.1559 | -.0958 | .1759 | .1935 | |
| 101.400 | -.4027 | -.4538 | -.4716 | -.2484 | | .2111 | |
| 115.600 | -.5351 | -.6001 | -.6248 | -.3233 | | .2074 | |
| 133.800 | -.5026 | -.5235 | -.5939 | -.2456 | | .1842 | |
| 149.100 | -.5273 | -.5304 | -.4530 | -.2114 | | .1796 | |
| 180.000 | -.4739 | -.4376 | -.3547 | -.2475 | .1241 | .1805 | .2166 |

ALPHA ( 3) = 21.170 BETA (12) = 7.980 Q(PSF) = 60.739 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4433 | -.4325 | -.3389 | -.0883 | .1434 | .1748 | .2451 |
| 44.800 | -.4054 | -.3892 | -.2949 | -.0551 | .1766 | .2109 | |
| 50.100 | -1.0749 | -.1835 | -.1155 | -.0496 | .1813 | .2118 | |
| 101.400 | -.4100 | -.4765 | -.4812 | -.2334 | | .2312 | |
| 115.600 | -.5909 | -.6505 | -.6443 | -.3100 | | .2284 | |
| 133.800 | -.5268 | -.5415 | -.6079 | -.2481 | | .2053 | |
| 149.100 | -.5500 | -.5476 | -.4680 | -.2601 | | .1970 | |
| 180.000 | -.4286 | -.3745 | -.3544 | -.2648 | .1369 | .1849 | .2451 |

0A172 TAILCONE PRESSURES GEAR ON (CFG010)

ALPHA ( 3) = 21.160 BETA (13) = 9.990 Q(PSF) = 60.739 PO = 2126.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4434 | -.4356 | -.3442 | -.0922 | .1316 | .2029 | .2947 |
| 44.800 | -.4039 | -.3868 | -.2885 | -.0460 | .1816 | .2437 | |
| 50.100 | -1.0212 | -.1591 | -.0855 | -.0330 | .1862 | .2474 | |
| 101.400 | -.4380 | -.4968 | -.4726 | -.2135 | | .2780 | |
| 115.600 | -.6285 | -.6781 | -.6409 | -.2653 | | .2688 | |
| 133.800 | -.5557 | -.5704 | -.6308 | -.2496 | | .2094 | |
| 149.100 | -.5983 | -.5867 | -.4821 | -.2440 | | .1816 | |
| 180.000 | -.4806 | -.3954 | -.3634 | -.2653 | .1455 | .1650 | .2947 |

OA172 TAILCONE PRESSURES GEAR OFF (CFG011) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

ALPHA ( 1) = .020 BETA ( 1) = -9.960 Q(PSF) = 60.484 PO = 2124.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3621 | -.3590 | -.2884 | -.0683 | .1422 | .1440 | .1561 |
| 44.800 | -.3559 | -.3521 | -.3404 | -.2121 | .1375 | .1700 | |
| 50.100 | -1.9033 | -.4786 | -.3769 | -.2761 | .1384 | .1765 | |
| 101.400 | -.3489 | -.4491 | -.5368 | -.3633 | | .1848 | |
| 115.600 | -.3637 | -.4437 | -.5399 | -.3429 | | .1793 | |
| 133.800 | -.3544 | -.4010 | -.5399 | -.2631 | | .1626 | |
| 149.100 | -.3691 | -.4196 | -.4212 | -.2464 | | .1635 | |
| 180.000 | -.4926 | -.3482 | -.4088 | -.3216 | .1839 | .1700 | .1561 |

ALPHA ( 1) = .020 BETA ( 2) = -7.970 Q(PSF) = 60.484 PO = 2124.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3519 | -.3488 | -.2772 | -.0610 | .1387 | .1433 | .1591 |
| 44.800 | -.3410 | -.3379 | -.3208 | -.1762 | .1331 | .1703 | |
| 50.100 | -1.8592 | -.4421 | -.3449 | -.2450 | .1313 | .1694 | |
| 101.400 | -.3573 | -.4514 | -.5246 | -.3426 | | .1768 | |
| 115.600 | -.3744 | -.4507 | -.5323 | -.3194 | | .1749 | |
| 133.800 | -.3636 | -.4063 | -.5354 | -.2515 | | .1619 | |
| 149.100 | -.3776 | -.4227 | -.4234 | -.2478 | | .1638 | |
| 180.000 | -.4802 | -.3394 | -.4011 | -.3203 | .1796 | .1675 | .1591 |

ALPHA ( 1) = .030 BETA ( 3) = -5.960 Q(PSF) = 60.484 PO = 2124.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3482 | -.3436 | -.2713 | -.0535 | .1366 | .1422 | .1635 |
| 44.800 | -.3319 | -.3280 | -.3032 | -.1435 | .1273 | .1663 | |
| 50.100 | -1.7926 | -.4041 | -.3125 | -.2140 | .1283 | .1682 | |
| 101.400 | -.3630 | -.4507 | -.5090 | -.3161 | | .1756 | |
| 115.600 | -.3847 | -.4546 | -.5229 | -.2947 | | .1756 | |
| 133.800 | -.3723 | -.4142 | -.5299 | -.2391 | | .1672 | |

0A172 TAILCONE PRESSURES GEAR OFF (CFG011)

ALPHA ( 1) = .030 BETA ( 3) = -5.960

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.3878 | -.4290 | -.4298 | -.2474 | | .1663 | |
| 180.000 | -.4616 | -.3249 | -.3884 | -.3133 | .1793 | .1728 | .1635 |

ALPHA ( 1) = .030 BETA ( 4) = -3.980 Q(PSF) = 60.484 PO = 2124.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3430 | -.3368 | -.2622 | -.0507 | .1395 | .1451 | .1729 |
| 44.800 | -.3205 | -.3158 | -.2847 | -.1213 | .1302 | .1692 | |
| 50.100 | -1.7130 | -.3656 | -.2847 | -.1863 | .1293 | .1692 | |
| 101.400 | -.3840 | -.4456 | -.4899 | -.2921 | | .1738 | |
| 115.600 | -.3928 | -.4565 | -.5085 | -.2699 | | .1776 | |
| 133.800 | -.3811 | -.4192 | -.5264 | -.2290 | | .1757 | |
| 149.100 | -.3974 | -.4363 | -.4363 | -.2504 | | .1748 | |
| 180.000 | -.4712 | -.3150 | -.3757 | -.3014 | .1738 | .1766 | .1729 |

ALPHA ( 1) = .030 BETA ( 5) = -1.990 Q(PSF) = 60.484 PO = 2124.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3422 | -.3360 | -.2614 | -.0517 | .1432 | .1469 | .1757 |
| 44.800 | -.3134 | -.3103 | -.2723 | -.1055 | .1385 | .1710 | |
| 50.100 | -1.6327 | -.3313 | -.2606 | -.1621 | .1348 | .1710 | |
| 101.400 | -.3624 | -.4385 | -.4704 | -.2661 | | .1710 | |
| 115.600 | -.4005 | -.4580 | -.4960 | -.2466 | | .1775 | |
| 133.800 | -.3942 | -.4277 | -.5248 | -.2178 | | .1775 | |
| 149.100 | -.4106 | -.4455 | -.4455 | -.2550 | | .1775 | |
| 180.000 | -.4844 | -.3072 | -.3654 | -.2949 | .1692 | .1775 | .1757 |

OA172 TAILCONE PRESSURES GEAR OFF (CFG011)

ALPHA ( 1) = .030 BETA ( 6) = -.990 Q(PSF) = 60.484 PO = 2124.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3435 | -.3365 | -.2620 | -.0535 | .1412 | .1477 | .1728 |
| 44.800 | -.3148 | -.3078 | -.2674 | -.0989 | .1394 | .1700 | |
| 50.100 | -1.6037 | -.3164 | -.2496 | -.1509 | .1394 | .1709 | |
| 101.400 | -.3606 | -.4320 | -.4584 | -.2529 | | .1709 | |
| 115.600 | -.4025 | -.4561 | -.4872 | -.2362 | | .1765 | |
| 133.800 | -.3987 | -.4313 | -.5206 | -.2131 | | .1783 | |
| 149.100 | -.4165 | -.4507 | -.4483 | -.2585 | | .1774 | |
| 180.000 | -.4716 | -.3000 | -.3671 | -.2956 | .1654 | .1774 | .1728 |

ALPHA ( 1) = .030 BETA ( 7) = .000 Q(PSF) = 60.484 PO = 2124.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3471 | -.3401 | -.2633 | -.0525 | .1467 | .1504 | .1689 |
| 44.800 | -.3138 | -.3068 | -.2633 | -.0905 | .1467 | .1726 | |
| 50.100 | -1.5589 | -.3052 | -.2377 | -.1396 | .1467 | .1736 | |
| 101.400 | -.3588 | -.4255 | -.4464 | -.2379 | | .1754 | |
| 115.600 | -.4069 | -.4573 | -.4806 | -.2221 | | .1800 | |
| 133.800 | -.4061 | -.4363 | -.5217 | -.2092 | | .1828 | |
| 149.100 | -.4263 | -.4581 | -.4550 | -.2620 | | .1800 | |
| 180.000 | -.4736 | -.3029 | -.3714 | -.2982 | .1680 | .1773 | .1689 |

ALPHA ( 1) = .030 BETA ( 8) = .990 Q(PSF) = 60.484 PO = 2124.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3467 | -.3398 | -.2621 | -.0535 | .1431 | .1496 | .1654 |
| 44.800 | -.3126 | -.3071 | -.2566 | -.0851 | .1468 | .1765 | |
| 50.100 | -1.5141 | -.2939 | -.2256 | -.1296 | .1468 | .1765 | |
| 101.400 | -.3561 | -.4205 | -.4337 | -.2261 | | .1793 | |
| 115.600 | -.4104 | -.4570 | -.4733 | -.2131 | | .1849 | |
| 133.800 | -.4143 | -.4407 | -.5199 | -.2057 | | .1840 | |
| 149.100 | -.4345 | -.4625 | -.4617 | -.2651 | | .1812 | |
| 180.000 | -.4648 | -.3110 | -.3774 | -.3013 | .1700 | .1784 | .1654 |

OA172 TAILCONE PRESSURES GEAR OFF (CFG011)

ALPHA ( 1) = .030 BETA ( 9) = 1.990 Q(PSF) = 60.484 PO = 2124.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3480 | -.3387 | -.2611 | -.0535 | .1430 | .1514 | .1690 |
| 44.800 | -.3100 | -.3038 | -.2533 | -.0794 | .1486 | .1792 | |
| 50.100 | -1.4827 | -.2844 | -.2161 | -.1212 | .1495 | .1792 | |
| 101.400 | -.3535 | -.4155 | -.4249 | -.2185 | | .1866 | |
| 115.600 | -.4148 | -.4582 | -.4668 | -.2028 | | .1903 | |
| 133.800 | -.4194 | -.4466 | -.5203 | -.2028 | | .1857 | |
| 149.100 | -.4419 | -.4699 | -.4683 | -.2704 | | .1838 | |
| 180.000 | -.4567 | -.3209 | -.3789 | -.3038 | .1727 | .1829 | .1690 |

ALPHA ( 1) = .030 BETA (10) = 3.990 Q(PSF) = 60.484 PO = 2124.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3519 | -.3426 | -.2611 | -.0525 | .1421 | .1569 | .1699 |
| 44.800 | -.3092 | -.3022 | -.2456 | -.0692 | .1467 | .1847 | |
| 50.100 | -1.4421 | -.2611 | -.1959 | -.0998 | .1514 | .1847 | |
| 101.400 | -.3488 | -.4039 | -.4054 | -.1981 | | .2014 | |
| 115.600 | -.4202 | -.4558 | -.4496 | -.1814 | | .1987 | |
| 133.800 | -.4341 | -.4558 | -.5187 | -.1944 | | .1903 | |
| 149.100 | -.4566 | -.4830 | -.4815 | -.2778 | | .1857 | |
| 180.000 | -.4605 | -.3348 | -.3845 | -.3112 | .1810 | .1819 | .1699 |

ALPHA ( 1) = .020 BETA (11) = 5.980 Q(PSF) = 60.484 PO = 2124.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3615 | -.3530 | -.2652 | -.0572 | .1404 | .1543 | .1515 |
| 44.800 | -.3157 | -.3064 | -.2419 | -.0628 | .1469 | .1849 | |
| 50.100 | -1.4506 | -.2388 | -.1782 | -.0786 | .1515 | .1868 | |
| 101.400 | -.3406 | -.3856 | -.3732 | -.1723 | | .2100 | |
| 115.600 | -.4237 | -.4493 | -.4283 | -.1556 | | .2063 | |
| 133.800 | -.4493 | -.4664 | -.5184 | -.1825 | | .1886 | |
| 149.100 | -.4757 | -.4967 | -.4951 | -.2846 | | .1793 | |
| 180.000 | -.4804 | -.3475 | -.3913 | -.3180 | .1766 | .1701 | .1515 |

0A172 TAILCONE PRESSURES GEAR OFF (CFG011)

ALPHA ( 1) = .020 BETA (12) = 7.990 Q(PSF) = 60.484 PO = 2124.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3714 | -.3620 | -.2697 | -.0590 | .1412 | .1551 | .1365 |
| 44.800 | -.3193 | -.3100 | -.2386 | -.0553 | .1467 | .1857 | |
| 50.100 | -1.4107 | -.2161 | -.1602 | -.0590 | .1514 | .1857 | |
| 101.400 | -.3341 | -.3682 | -.3395 | -.1508 | | .2247 | |
| 115.600 | -.4249 | -.4435 | -.4016 | -.1304 | | .2219 | |
| 133.800 | -.4637 | -.4769 | -.5142 | -.1675 | | .1941 | |
| 149.100 | -.4948 | -.5111 | -.5072 | -.2890 | | .1783 | |
| 180.000 | -.4955 | -.3605 | -.3985 | -.3224 | .1746 | .1625 | .1365 |

ALPHA ( 1) = .020 BETA (13) = 10.000 Q(PSF) = 60.484 PO = 2124.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3795 | -.3695 | -.2747 | -.0628 | .1432 | .1590 | .1377 |
| 44.800 | -.3221 | -.3136 | -.2374 | -.0470 | .1470 | .1897 | |
| 50.100 | -1.3660 | -.2001 | -.1472 | -.0424 | .1507 | .1906 | |
| 101.400 | -.3315 | -.3587 | -.3245 | -.1436 | | .2483 | |
| 115.600 | -.4224 | -.4325 | -.3758 | -.1176 | | .2474 | |
| 133.800 | -.4822 | -.4916 | -.5118 | -.1520 | | .2083 | |
| 149.100 | -.5149 | -.5304 | -.5219 | -.2941 | | .1878 | |
| 180.000 | -.5063 | -.3765 | -.3972 | -.3191 | .1804 | .1627 | .1377 |

ALPHA ( 2) = 10.550 BETA ( 1) = -9.950 Q(PSF) = 60.489 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3549 | -.3510 | -.2921 | -.0850 | .1764 | .1884 | .1893 |
| 44.800 | -.3479 | -.3448 | -.3231 | -.1869 | .1624 | .2070 | |
| 50.100 | -1.8221 | -.3999 | -.3347 | -.2537 | .1402 | .2070 | |
| 101.400 | -.3200 | -.4240 | -.5349 | -.4001 | | .1986 | |
| 115.600 | -.4216 | -.5008 | -.6063 | -.4484 | | .1949 | |
| 133.800 | -.4395 | -.4736 | -.5729 | -.2796 | | .1356 | |
| 149.100 | -.4263 | -.4565 | -.3999 | -.2018 | | .1337 | |
| 180.000 | -.5062 | -.3518 | -.3464 | -.2398 | .1884 | .1485 | .1893 |

OA172 TAILCONE PRESSURES GEAR OFF (CFG011)

ALPHA ( 2) = 10.550 BETA ( 2) = -7.980 Q(PSF) = 60.489 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3531 | -.3485 | -.2894 | -.0851 | .1794 | .1850 | .2157 |
| 44.800 | -.3438 | -.3391 | -.3096 | -.1631 | .1701 | .2064 | |
| 50.100 | -1.7433 | -.3687 | -.3096 | -.2271 | .1534 | .2054 | |
| 101.400 | -.3337 | -.4332 | -.5311 | -.3850 | | .2082 | |
| 115.600 | -.4238 | -.5000 | -.5956 | -.4184 | | .2092 | |
| 133.800 | -.4363 | -.4681 | -.5575 | -.2569 | | .1785 | |
| 149.100 | -.4246 | -.4503 | -.3928 | -.1919 | | .1776 | |
| 180.000 | -.4541 | -.3306 | -.3367 | -.2364 | .1952 | .1887 | .2157 |

ALPHA ( 2) = 10.550 BETA ( 3) = -5.930 Q(PSF) = 60.489 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3485 | -.3439 | -.2848 | -.0823 | .1813 | .1841 | .2213 |
| 44.800 | -.3353 | -.3299 | -.2957 | -.1455 | .1730 | .2046 | |
| 50.100 | -1.6761 | -.3400 | -.2910 | -.1984 | .1637 | .2036 | |
| 101.400 | -.3470 | -.4403 | -.5265 | -.3684 | | .2111 | |
| 115.600 | -.4271 | -.4978 | -.5817 | -.3879 | | .2148 | |
| 133.800 | -.4340 | -.4628 | -.5436 | -.2346 | | .1999 | |
| 149.100 | -.4239 | -.4465 | -.3890 | -.1836 | | .2008 | |
| 180.000 | -.4076 | -.3136 | -.3294 | -.2291 | .1906 | .2027 | .2213 |

ALPHA ( 2) = 10.550 BETA ( 4) = -3.980 Q(PSF) = 60.489 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3540 | -.3485 | -.2856 | -.0805 | .1804 | .1795 | .2129 |
| 44.800 | -.3353 | -.3299 | -.2864 | -.1288 | .1730 | .2018 | |
| 50.100 | -1.6318 | -.3128 | -.2693 | -.1724 | .1674 | .2018 | |
| 101.400 | -.3532 | -.4426 | -.5149 | -.3414 | | .2055 | |
| 115.600 | -.4239 | -.4892 | -.5607 | -.3470 | | .2101 | |
| 133.800 | -.4270 | -.4535 | -.5195 | -.1993 | | .2046 | |
| 149.100 | -.4130 | -.4278 | -.3672 | -.1659 | | .2036 | |
| 180.000 | -.4084 | -.3229 | -.3358 | -.2272 | .1813 | .2027 | .2129 |

0A172 TAILCONE PRESSURES GEAR OFF (CFG011)

ALPHA ( 2) = 10.550 BETA ( 5) = -1.990 Q(PSF) = 60.489 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3522 | -.3475 | -.2807 | -.0795 | .1877 | .1803 | .2072 |
| 44.800 | -.3281 | -.3219 | -.2745 | -.1120 | .1849 | .2035 | |
| 50.100 | -1.5809 | -.2978 | -.2465 | -.1435 | .1803 | .2053 | |
| 101.400 | -.3592 | -.4415 | -.4966 | -.3124 | | .2202 | |
| 115.600 | -.4190 | -.4803 | -.5355 | -.3059 | | .2202 | |
| 133.800 | -.4197 | -.4399 | -.4827 | -.1741 | | .2007 | |
| 149.100 | -.4197 | -.4252 | -.3631 | -.1732 | | .1960 | |
| 180.000 | -.5098 | -.2854 | -.3347 | -.2586 | .1933 | .1979 | .2072 |

ALPHA ( 2) = 10.550 BETA ( 6) = -.990 Q(PSF) = 60.489 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3607 | -.3538 | -.2838 | -.0786 | .1868 | .1803 | .2081 |
| 44.800 | -.3312 | -.3250 | -.2714 | -.1055 | .1849 | .2063 | |
| 50.100 | -1.5507 | -.2893 | -.2372 | -.1305 | .1840 | .2054 | |
| 101.400 | -.3600 | -.4392 | -.4858 | -.2985 | | .2193 | |
| 115.600 | -.4174 | -.4765 | -.5239 | -.2883 | | .2184 | |
| 133.800 | -.4159 | -.4353 | -.4679 | -.1760 | | .2035 | |
| 149.100 | -.4268 | -.4330 | -.3739 | -.1769 | | .1998 | |
| 180.000 | -.5114 | -.2613 | -.3458 | -.2595 | .1933 | .1988 | .2081 |

ALPHA ( 2) = 10.550 BETA ( 7) = .000 Q(PSF) = 60.489 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3674 | -.3612 | -.2875 | -.0804 | .1857 | .1783 | .2052 |
| 44.800 | -.3364 | -.3294 | -.2712 | -.1008 | .1848 | .2043 | |
| 50.100 | -1.4804 | -.2759 | -.2308 | -.1156 | .1838 | .2043 | |
| 101.400 | -.3612 | -.4365 | -.4792 | -.2853 | | .2182 | |
| 115.600 | -.4148 | -.4707 | -.5095 | -.2705 | | .2154 | |
| 133.800 | -.4156 | -.4334 | -.4629 | -.1777 | | .2024 | |
| 149.100 | -.4342 | -.4435 | -.3853 | -.1805 | | .1987 | |
| 180.000 | -.5064 | -.2650 | -.3558 | -.2658 | .1922 | .2006 | .2052 |

0A172 TAILCONE PRESSURES GEAR OFF (CFG011)

ALPHA ( 2) = 10.550 BETA ( 8) = .990 Q(PSF) = 60.489 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3740 | -.3654 | -.2893 | -.0795 | .1840 | .1794 | .2035 |
| 44.800 | -.3375 | -.3297 | -.2691 | -.0934 | .1849 | .2072 | |
| 50.100 | -1.3978 | -.2613 | -.2209 | -.1036 | .1849 | .2063 | |
| 101.400 | -.3600 | -.4322 | -.4664 | -.2716 | | .2165 | |
| 115.600 | -.4128 | -.4625 | -.4936 | -.2521 | | .2156 | |
| 133.800 | -.4190 | -.4346 | -.4672 | -.1751 | | .2026 | |
| 149.100 | -.4385 | -.4509 | -.3942 | -.1607 | | .1979 | |
| 180.000 | -.4789 | -.2924 | -.3524 | -.2642 | .1933 | .1989 | .2035 |

ALPHA ( 2) = 10.550 BETA ( 9) = 1.990 Q(PSF) = 60.489 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3786 | -.3701 | -.2908 | -.0795 | .1858 | .1830 | .2081 |
| 44.800 | -.3398 | -.3305 | -.2660 | -.0869 | .1868 | .2109 | |
| 50.100 | -1.3457 | -.2497 | -.2108 | -.0934 | .1868 | .2109 | |
| 101.400 | -.3607 | -.4275 | -.4524 | -.2530 | | .2193 | |
| 115.600 | -.4042 | -.4493 | -.4780 | -.2363 | | .2174 | |
| 133.800 | -.4237 | -.4384 | -.4804 | -.1723 | | .2016 | |
| 149.100 | -.4470 | -.4563 | -.4004 | -.1825 | | .1988 | |
| 180.000 | -.4819 | -.3126 | -.3570 | -.2688 | .1942 | .1961 | .2081 |

ALPHA ( 2) = 10.550 BETA (10) = 4.020 Q(PSF) = 60.489 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3908 | -.3792 | -.2946 | -.0813 | .1765 | .1765 | .2080 |
| 44.800 | -.3450 | -.3349 | -.2635 | -.0767 | .1830 | .2062 | |
| 50.100 | -1.2704 | -.2332 | -.1843 | -.0776 | .1830 | .2062 | |
| 101.400 | -.3559 | -.4149 | -.4250 | -.2214 | | .2080 | |
| 115.600 | -.4079 | -.4491 | -.4623 | -.2130 | | .2080 | |
| 133.800 | -.4296 | -.4444 | -.4809 | -.1555 | | .2015 | |
| 149.100 | -.4491 | -.4615 | -.4118 | -.1870 | | .1978 | |
| 180.000 | -.4102 | -.3411 | -.3299 | -.2269 | .1811 | .1969 | .2080 |

OA172 TAILCONE PRESSURES GEAR OFF (CFG011)

ALPHA ( 2) = 10.550 BETA (11) = 5.980 Q(PSF) = 60.489 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3850 | -.3757 | -.2896 | -.0821 | .1781 | .1818 | .2162 |
| 44.800 | -.3385 | -.3292 | -.2539 | -.0655 | .1846 | .2115 | |
| 50.100 | -1.1303 | -.2183 | -.1547 | -.0618 | .1874 | .2125 | |
| 101.400 | -.3509 | -.4075 | -.4160 | -.2063 | | .2180 | |
| 115.600 | -.4183 | -.4579 | -.4672 | -.1980 | | .2162 | |
| 133.800 | -.4393 | -.4517 | -.4858 | -.1516 | | .2032 | |
| 149.100 | -.4602 | -.4687 | -.4207 | -.1924 | | .2013 | |
| 180.000 | -.4075 | -.3237 | -.3175 | -.2248 | .1893 | .1985 | .2162 |

ALPHA ( 2) = 10.540 BETA (12) = 7.990 Q(PSF) = 60.489 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3887 | -.3786 | -.2900 | -.0823 | .1775 | .1840 | .2128 |
| 44.800 | -.3390 | -.3289 | -.2489 | -.0572 | .1830 | .2137 | |
| 50.100 | -.9890 | -.2007 | -.1285 | -.0498 | .1849 | .2137 | |
| 101.400 | -.3498 | -.4081 | -.4127 | -.1936 | | .2314 | |
| 115.600 | -.4290 | -.4655 | -.4609 | -.1853 | | .2267 | |
| 133.800 | -.4539 | -.4578 | -.4795 | -.1463 | | .2090 | |
| 149.100 | -.4741 | -.4749 | -.4213 | -.1871 | | .2007 | |
| 180.000 | -.4407 | -.3304 | -.3217 | -.2299 | .1951 | .1895 | .2128 |

ALPHA ( 2) = 10.540 BETA (13) = 9.990 Q(PSF) = 60.489 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3945 | -.3836 | -.2929 | -.0840 | .1745 | .1866 | .1801 |
| 44.800 | -.3417 | -.3293 | -.2455 | -.0460 | .1791 | .2154 | |
| 50.100 | -.8911 | -.1881 | -.1105 | -.0414 | .1819 | .2154 | |
| 101.400 | -.3557 | -.4069 | -.4007 | -.1795 | | .2497 | |
| 115.600 | -.4356 | -.4605 | -.4442 | -.1693 | | .2460 | |
| 133.800 | -.4682 | -.4674 | -.4721 | -.1360 | | .1986 | |
| 149.100 | -.4915 | -.4830 | -.4069 | -.1536 | | .1745 | |
| 180.000 | -.5024 | -.3704 | -.3269 | -.2305 | .1912 | .1421 | .1801 |

0A172 TAILCONE PRESSURES GEAR OFF (CFG011)

ALPHA ( 3) = 21.180 BETA ( 1) = -9.960 Q(PSF) = 60.707 PO = 2125.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4192 | -.4107 | -.3255 | -.0783 | .1714 | .1973 | .2260 |
| 44.800 | -.4029 | -.3913 | -.3232 | -.1477 | .1566 | .2167 | |
| 50.100 | -1.1052 | -.2682 | -.2675 | -.1699 | .1445 | .2149 | |
| 101.400 | -.2891 | -.4130 | -.5694 | -.4576 | | .2028 | |
| 115.600 | -.4115 | -.4672 | -.6693 | -.5547 | | .1991 | |
| 133.800 | -.5439 | -.5710 | -.6770 | -.3808 | | .1667 | |
| 149.100 | -.4773 | -.5013 | -.4200 | -.2310 | | .1556 | |
| 180.000 | -.4386 | -.3395 | -.3531 | -.2578 | .1436 | .1547 | .2260 |

ALPHA ( 3) = 21.170 BETA ( 2) = -7.970 Q(PSF) = 60.707 PO = 2125.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4077 | -.3999 | -.3217 | -.0829 | .1649 | .1686 | .2010 |
| 44.800 | -.3906 | -.3798 | -.3140 | -.1403 | .1547 | .1908 | |
| 50.100 | -1.0937 | -.2520 | -.2350 | -.1514 | .1483 | .1890 | |
| 101.400 | -.3124 | -.4293 | -.5741 | -.4447 | | .1945 | |
| 115.600 | -.4046 | -.4588 | -.6524 | -.5215 | | .1945 | |
| 133.800 | -.5254 | -.5517 | -.6415 | -.3355 | | .1862 | |
| 149.100 | -.4510 | -.4673 | -.3898 | -.2079 | | .1862 | |
| 180.000 | -.4231 | -.3418 | -.3439 | -.2486 | .1501 | .1843 | .2010 |

ALPHA ( 3) = 21.180 BETA ( 3) = -5.970 Q(PSF) = 60.707 PO = 2125.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4291 | -.4214 | -.3362 | -.0894 | .1676 | .1944 | .2380 |
| 44.800 | -.4082 | -.3966 | -.3207 | -.1301 | .1611 | .2231 | |
| 50.100 | -1.0854 | -.2317 | -.2101 | -.1356 | .1620 | .2204 | |
| 101.400 | -.3324 | -.4446 | -.5754 | -.4176 | | .2185 | |
| 115.600 | -.3989 | -.4562 | -.6303 | -.4722 | | .2222 | |
| 133.800 | -.4926 | -.5173 | -.5955 | -.2752 | | .2111 | |
| 149.100 | -.4198 | -.4283 | -.3563 | -.1837 | | .2037 | |
| 180.000 | -.4136 | -.3594 | -.3686 | -.2392 | .1482 | .1991 | .2380 |

OA172 TAILCONE PRESSURES GEAR OFF (CFG011)

ALPHA ( 3) = 21.180 BETA ( 4) = -3.980 Q(PSF) = 60.707 PO = 2125.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4201 | -.4140 | -.3281 | -.0856 | .1803 | .2174 | .2590 |
| 44.800 | -.3915 | -.3815 | -.3080 | -.1087 | .1757 | .2451 | |
| 50.100 | -1.0796 | -.2068 | -.1774 | -.1124 | .1757 | .2433 | |
| 101.400 | -.3529 | -.4565 | -.5732 | -.3784 | | .2442 | |
| 115.600 | -.4225 | -.4998 | -.6165 | -.4301 | | .2479 | |
| 133.800 | -.4789 | -.4998 | -.5732 | -.2389 | | .2229 | |
| 149.100 | -.4310 | -.4333 | -.3691 | -.1826 | | .2164 | |
| 180.000 | -.4743 | -.2964 | -.3886 | -.3221 | .1702 | .2164 | .2590 |

ALPHA ( 3) = 21.190 BETA ( 5) = -1.980 Q(PSF) = 60.707 PO = 2125.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4240 | -.4162 | -.3281 | -.0828 | .1748 | .2118 | .2543 |
| 44.800 | -.3961 | -.3853 | -.3003 | -.0911 | .1729 | .2405 | |
| 50.100 | -1.0169 | -.1874 | -.1519 | -.0939 | .1720 | .2405 | |
| 101.400 | -.3791 | -.4750 | -.5562 | -.3442 | | .2488 | |
| 115.600 | -.4371 | -.5175 | -.6087 | -.3932 | | .2469 | |
| 133.800 | -.4626 | -.4858 | -.5376 | -.2214 | | .2368 | |
| 149.100 | -.4402 | -.4425 | -.3768 | -.2103 | | .2340 | |
| 180.000 | -.5136 | -.2964 | -.3969 | -.3479 | .1905 | .2349 | .2543 |

ALPHA ( 3) = 21.180 BETA ( 6) = -.990 Q(PSF) = 60.707 PO = 2125.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4219 | -.4157 | -.3283 | -.0801 | .1768 | .2101 | .2545 |
| 44.800 | -.3956 | -.3825 | -.2974 | -.0829 | .1749 | .2369 | |
| 50.100 | -.9867 | -.1759 | -.1419 | -.0856 | .1758 | .2369 | |
| 101.400 | -.3817 | -.4753 | -.5465 | -.3269 | | .2416 | |
| 115.600 | -.4467 | -.5233 | -.6091 | -.3722 | | .2425 | |
| 133.800 | -.4629 | -.4831 | -.5241 | -.2224 | | .2351 | |
| 149.100 | -.4970 | -.4823 | -.4374 | -.2418 | | .2342 | |
| 180.000 | -.5194 | -.3013 | -.4017 | -.3537 | .1943 | .2369 | .2545 |

0A172 TAILCONE PRESSURES GEAR OFF (CFG011)

ALPHA ( 3) = 21.190 BETA ( 7) = .000 Q(PSF) = 60.707 PO = 2125.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4251 | -.4150 | -.3284 | -.0783 | .1759 | .2092 | .2527 |
| 44.800 | -.3949 | -.3818 | -.2951 | -.0755 | .1759 | .2370 | |
| 50.100 | -.9590 | -.1682 | -.1319 | -.0773 | .1759 | .2370 | |
| 101.400 | -.3887 | -.4762 | -.5326 | -.3075 | | .2379 | |
| 115.600 | -.4576 | -.5326 | -.6077 | -.3537 | | .2407 | |
| 133.800 | -.4684 | -.4909 | -.5272 | -.2252 | | .2351 | |
| 149.100 | -.5775 | -.5783 | -.5613 | -.3389 | | .2342 | |
| 180.000 | -.5234 | -.3029 | -.4083 | -.3565 | .1962 | .2342 | .2527 |

ALPHA ( 3) = 21.180 BETA ( 8) = 1.010 Q(PSF) = 60.707 PO = 2125.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4253 | -.4161 | -.3270 | -.0802 | .1750 | .2093 | .2519 |
| 44.800 | -.3959 | -.3820 | -.2930 | -.0718 | .1750 | .2380 | |
| 50.100 | -.9425 | -.1606 | -.1196 | -.0700 | .1769 | .2352 | |
| 101.400 | -.3921 | -.4749 | -.5175 | -.2864 | | .2408 | |
| 115.600 | -.4733 | -.5415 | -.6026 | -.3317 | | .2427 | |
| 133.800 | -.5120 | -.5136 | -.5206 | -.2374 | | .2343 | |
| 149.100 | -.4726 | -.4958 | -.4989 | -.3401 | | .2334 | |
| 180.000 | -.5175 | -.3100 | -.4094 | -.3567 | .1954 | .2297 | .2519 |

ALPHA ( 3) = 21.180 BETA ( 9) = 2.000 Q(PSF) = 60.707 PO = 2125.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4262 | -.4161 | -.3294 | -.0802 | .1732 | .2130 | .2547 |
| 44.800 | -.3952 | -.3813 | -.2891 | -.0681 | .1741 | .2418 | |
| 50.100 | -.9357 | -.1544 | -.1111 | -.0681 | .1751 | .2408 | |
| 101.400 | -.3999 | -.4750 | -.5052 | -.2643 | | .2473 | |
| 115.600 | -.4874 | -.5532 | -.5965 | -.3105 | | .2483 | |
| 133.800 | -.5268 | -.5524 | -.5679 | -.2689 | | .2344 | |
| 149.100 | -.4641 | -.4835 | -.4711 | -.2994 | | .2288 | |
| 180.000 | -.5075 | -.3108 | -.4049 | -.3503 | .1880 | .2269 | .2547 |

OA172 TAILCONE PRESSURES GEAR OFF (CFG011)

ALPHA ( 3) = 21.170 BETA (10) = 4.000 Q(PSF) = 60.707 PO = 2125.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4315 | -.4198 | -.3301 | -.0848 | .1741 | .2120 | .2574 |
| 44.800 | -.3974 | -.3827 | -.2883 | -.0635 | .1778 | .2417 | |
| 50.100 | -.8796 | -.1381 | -.0963 | -.0607 | .1787 | .2380 | |
| 101.400 | -.4028 | -.4686 | -.4678 | -.2318 | | .2463 | |
| 115.600 | -.5398 | -.5855 | -.5692 | -.2928 | | .2463 | |
| 133.800 | -.4384 | -.4601 | -.5623 | -.2651 | | .2250 | |
| 149.100 | -.4794 | -.4965 | -.4601 | -.2568 | | .2157 | |
| 180.000 | -.4632 | -.3308 | -.3890 | -.3215 | .1658 | .2102 | .2574 |

ALPHA ( 3) = 21.170 BETA (11) = 5.990 Q(PSF) = 60.707 PO = 2125.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4483 | -.4375 | -.3423 | -.0875 | .1685 | .1907 | .2370 |
| 44.800 | -.4119 | -.3957 | -.2936 | -.0533 | .1749 | .2203 | |
| 50.100 | -.7957 | -.1257 | -.0816 | -.0496 | .1786 | .2203 | |
| 101.400 | -.3895 | -.4289 | -.4158 | -.1975 | | .2194 | |
| 115.600 | -.5179 | -.5736 | -.5775 | -.2668 | | .2194 | |
| 133.800 | -.4893 | -.5079 | -.5736 | -.2299 | | .1999 | |
| 149.100 | -.4932 | -.5032 | -.4553 | -.2326 | | .1962 | |
| 180.000 | -.4406 | -.4220 | -.3999 | -.2594 | .1490 | .1971 | .2370 |

ALPHA ( 3) = 21.170 BETA (12) = 7.990 Q(PSF) = 60.707 PO = 2125.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4395 | -.4271 | -.3305 | -.0800 | .1730 | .1785 | .2229 |
| 44.800 | -.3977 | -.3815 | -.2771 | -.0376 | .1813 | .2062 | |
| 50.100 | -.7309 | -.1047 | -.0599 | -.0302 | .1859 | .2053 | |
| 101.400 | -.3629 | -.4209 | -.4310 | -.2038 | | .2220 | |
| 115.600 | -.5570 | -.6049 | -.5825 | -.2454 | | .2201 | |
| 133.800 | -.5160 | -.5299 | -.5833 | -.2214 | | .2044 | |
| 149.100 | -.5176 | -.5214 | -.4712 | -.2583 | | .1979 | |
| 180.000 | -.4070 | -.3490 | -.3452 | -.2537 | .1563 | .1933 | .2229 |

OA172 TAILCONE PRESSURES GEAR OFF (CFG011)

ALPHA ( 3) = 21.160 BETA (13) = 9.980 Q(PSF) = 60.707 PO = 2125.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4475 | -.4344 | -.3346 | -.0764 | .1786 | .2009 | .2333 |
| 44.800 | -.4011 | -.3833 | -.2766 | -.0237 | .1888 | .2323 | |
| 50.100 | -.6681 | -.0862 | -.0429 | -.0172 | .1934 | .2296 | |
| 101.400 | -.3802 | -.4383 | -.4344 | -.2040 | | .2573 | |
| 115.600 | -.5814 | -.6185 | -.5775 | -.2206 | | .2499 | |
| 133.800 | -.5512 | -.5613 | -.6077 | -.2243 | | .1999 | |
| 149.100 | -.5644 | -.5628 | -.4932 | -.2511 | | .1796 | |
| 180.000 | -.4398 | -.3655 | -.3482 | -.2530 | .1509 | .1620 | .2333 |

0A172 TAILCONE PRESSURES GEAR ON (CFG040) ( 11 OCT 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

ALPHA ( 1) = 1.130 BETA ( 1) = -9.980 Q(PSF) = 61.102 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2638 | -.2615 | -.2337 | -.0885 | .1124 | .0903 | .1622 |
| 44.800 | -.2622 | -.3270 | -.2931 | -.2128 | .1069 | .1465 | |
| 50.100 | -.2206 | -.4303 | -.3308 | -.2515 | .1050 | .1465 | |
| 101.400 | -.3717 | -.4634 | -.5528 | -.3868 | | .1585 | |
| 115.600 | -.3956 | -.5297 | -.5775 | -.3959 | | .1576 | |
| 133.800 | -.3963 | -.4410 | -.5736 | -.2911 | | .1438 | |
| 149.100 | -.4148 | -.4565 | -.4495 | -.2699 | | .1410 | |
| 180.000 | -.5050 | -.3794 | -.4412 | -.3482 | .1456 | .1410 | .1622 |

ALPHA ( 1) = 1.140 BETA ( 2) = -8.000 Q(PSF) = 61.102 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2609 | -.3048 | -.2609 | -.1738 | .1039 | .1389 | .0000 |
| 44.800 | -.2517 | -.4040 | -.3125 | -.2280 | .1389 | .1509 | |
| 50.100 | -.2155 | -.4640 | -.5401 | -.3649 | .0827 | .1518 | |
| 101.400 | -.3794 | -.5294 | -.5663 | -.3612 | | .1426 | |
| 115.600 | -.4017 | -.4425 | -.5648 | .0000 | | .1380 | |
| 133.800 | -.4025 | -.4578 | -.4478 | -.3484 | | .1334 | |
| 149.100 | 10.1847 | -.3694 | -.4375 | .1140 | | .1555 | |
| 180.000 | -.2594 | -.2232 | -.0782 | .1067 | .1416 | -.2556 | .0000 |

ALPHA ( 1) = 1.140 BETA ( 3) = -5.990 Q(PSF) = 61.102 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2585 | -.2569 | -.2177 | -.0708 | .1222 | .0919 | .1636 |
| 44.800 | -.2431 | -.2923 | -.2362 | -.1507 | .1167 | .1544 | |
| 50.100 | -.2108 | -.3976 | -.3077 | -.2113 | .1140 | .1508 | |
| 101.400 | -.3892 | -.4676 | -.5329 | -.3473 | | .1590 | |
| 115.600 | -.4122 | -.5329 | -.5583 | -.3371 | | .1554 | |
| 133.800 | -.4099 | -.4468 | -.5606 | -.2628 | | .1544 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 1) = 1.140 BETA ( 3) = -5.990

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4284 | -.4622 | -.4522 | -.2646 | | .1489 | |
| 180.000 | -.4783 | -.3615 | -.4318 | -.3445 | .1489 | .1526 | .1636 |

ALPHA ( 1) = 1.130 BETA ( 4) = -4.000 Q(PSF) = 61.102 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2536 | -.2560 | -.2137 | -.0707 | .1341 | .1074 | .1837 |
| 44.800 | -.2350 | -.2851 | -.2260 | -.1405 | .1304 | .1727 | |
| 50.100 | -.2083 | -.4096 | -.3059 | -.2010 | .1304 | .1709 | |
| 101.400 | -.3973 | -.4703 | -.5248 | -.3305 | | .1718 | |
| 115.600 | -.4234 | -.5356 | -.5486 | -.3149 | | .1745 | |
| 133.800 | -.4203 | -.4534 | -.5335 | -.2524 | | .1755 | |
| 149.100 | -.4380 | -.4680 | -.4587 | -.2690 | | .1755 | |
| 180.000 | -.4649 | -.3520 | -.4176 | -.3305 | .1571 | .1773 | .1837 |

ALPHA ( 1) = 1.130 BETA ( 5) = -2.010 Q(PSF) = 61.102 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2520 | -.2520 | -.2090 | -.0606 | .1349 | .1092 | .1864 |
| 44.800 | -.2320 | -.2796 | -.2174 | -.1321 | .1368 | .1735 | |
| 50.100 | -.2059 | -.4024 | -.2988 | -.1908 | .1377 | .1735 | |
| 101.400 | -.3994 | -.4569 | -.5084 | -.3119 | | .1735 | |
| 115.600 | -.4301 | -.5352 | -.5360 | -.2917 | | .1790 | |
| 133.800 | -.4301 | -.4600 | -.5514 | -.2431 | | .1818 | |
| 149.100 | -.4493 | -.4769 | -.4677 | -.2734 | | .1818 | |
| 180.000 | -.4539 | -.3472 | -.4082 | -.3238 | .1533 | .1809 | .1864 |

OA172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 1) = 1.130 BETA ( 6) = .980 Q(PSF) = 61.102 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2579 | -.2587 | -.2087 | -.0598 | .1361 | .1085 | .1850 |
| 44.800 | -.2310 | -.2725 | -.2002 | -.1150 | .1417 | .1730 | |
| 50.100 | -.1994 | -.3864 | -.2779 | -.1628 | .1426 | .1767 | |
| 101.400 | -.3949 | -.4526 | -.4772 | -.2731 | | .1739 | |
| 115.600 | -.4410 | -.5280 | -.5103 | -.2519 | | .1785 | |
| 133.800 | -.4487 | -.4726 | -.5480 | -.2289 | | .1794 | |
| 149.100 | -.4687 | -.4933 | -.4864 | -.2850 | | .1785 | |
| 180.000 | -.4479 | -.3371 | -.4119 | -.3236 | .1518 | .1804 | .1850 |

ALPHA ( 1) = 1.130 BETA ( 7) = 1.980 Q(PSF) = 61.102 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2562 | -.2578 | -.2093 | -.0616 | .1342 | .1121 | .1858 |
| 44.800 | -.2293 | -.2670 | -.1932 | -.1085 | .1388 | .1775 | |
| 50.100 | -.1939 | -.3754 | -.2678 | -.1572 | .1379 | .1738 | |
| 101.400 | -.3923 | -.4454 | -.4623 | -.2573 | | .1729 | |
| 115.600 | -.4454 | -.5292 | -.5054 | -.2408 | | .1793 | |
| 133.800 | -.4554 | -.4769 | -.5484 | -.2252 | | .1821 | |
| 149.100 | -.4762 | -.5000 | -.4923 | -.2904 | | .1821 | |
| 180.000 | -.4400 | -.3424 | -.4144 | -.3253 | .1526 | .1803 | .1858 |

ALPHA ( 1) = 1.130 BETA ( 8) = 3.970 Q(PSF) = 61.102 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2580 | -.2588 | -.2089 | -.0633 | .1349 | .1092 | .1845 |
| 44.800 | -.2266 | -.2572 | -.1820 | -.0963 | .1404 | .1762 | |
| 50.100 | -.1913 | -.3562 | -.2565 | -.1413 | .1404 | .1753 | |
| 101.400 | -.3908 | -.4384 | -.4499 | -.2449 | | .1790 | |
| 115.600 | -.4529 | -.5281 | -.4805 | -.2219 | | .1826 | |
| 133.800 | -.4714 | -.4890 | -.5473 | -.2192 | | .1845 | |
| 149.100 | -.4951 | -.5143 | -.5059 | -.2981 | | .1817 | |
| 180.000 | -.4376 | -.3447 | -.4154 | -.3256 | .1551 | .1808 | .1845 |

0A172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 1) = 1.140 BETA ( 9) = 5.970 Q(PSF) = 61.102 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2592 | -.2584 | -.2100 | -.0680 | .1250 | .0992 | .1599 |
| 44.800 | -.2261 | -.2469 | -.1754 | -.0882 | .1286 | .1627 | |
| 50.100 | -.1862 | -.3345 | -.2469 | -.1277 | .1314 | .1608 | |
| 101.400 | -.3868 | -.4306 | -.4252 | -.2223 | | .1700 | |
| 115.600 | -.4613 | -.5236 | -.4713 | -.2002 | | .1728 | |
| 133.800 | -.4921 | -.5051 | -.5535 | -.2131 | | .1618 | |
| 149.100 | -.5197 | -.5359 | -.5274 | -.3141 | | .1544 | |
| 180.000 | -.4559 | -.3576 | -.4225 | -.3398 | .1498 | .1526 | .1599 |

ALPHA ( 1) = 1.140 BETA (10) = 7.980 Q(PSF) = 61.102 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2611 | -.2611 | -.2150 | -.0716 | .1119 | .0825 | .1486 |
| 44.800 | -.2242 | -.2319 | -.1559 | -.0771 | .1239 | .1514 | |
| 50.100 | -.1797 | -.3017 | -.2227 | -.1055 | .1239 | .1486 | |
| 101.400 | -.3785 | -.4088 | -.3000 | -.1698 | | .1568 | |
| 115.600 | -.4652 | -.5150 | -.4452 | -.1688 | | .1560 | |
| 133.800 | -.5081 | -.5158 | -.5488 | -.1963 | | .1349 | |
| 149.100 | -.5381 | -.5496 | -.5396 | -.3191 | | .1265 | |
| 180.000 | -.4774 | -.3685 | -.4218 | -.3420 | .1367 | .1248 | .1486 |

ALPHA ( 1) = 1.130 BETA (11) = 9.960 Q(PSF) = 61.102 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2679 | -.2679 | -.2248 | -.0883 | .1104 | .0873 | .1509 |
| 44.800 | -.2240 | -.2056 | -.1394 | -.0754 | .1279 | .1638 | |
| 50.100 | -.1740 | -.2594 | -.1917 | -.0809 | .1288 | .1665 | |
| 101.400 | -.3741 | -.3918 | -.3487 | -.1545 | | .1886 | |
| 115.600 | -.4579 | -.4933 | -.4048 | -.1462 | | .1831 | |
| 133.800 | -.5264 | -.5279 | -.5387 | -.1692 | | .1509 | |
| 149.100 | -.5618 | -.5687 | -.5487 | -.3153 | | .1343 | |
| 180.000 | -.5048 | -.3841 | -.4211 | -.3420 | .1417 | .1343 | .1509 |

OA172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 2) = 5.470 BETA ( 1) = -9.980 Q(PSF) = 61.038 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2337 | -.2345 | -.2144 | -.0940 | .1272 | .1179 | .1982 |
| 44.800 | -.2360 | -.3023 | -.2599 | -.1879 | .1096 | .1742 | |
| 50.100 | -.1998 | -.3963 | -.3177 | -.2496 | .1050 | .1705 | |
| 101.400 | -.3455 | -.4426 | -.5412 | -.3960 | | .1797 | |
| 115.600 | -.4087 | -.5489 | -.5952 | -.4255 | | .1807 | |
| 133.800 | -.4241 | -.4618 | -.5736 | -.2855 | | .1539 | |
| 149.100 | -.4302 | -.4626 | -.4248 | -.2349 | | .1530 | |
| 180.000 | -.5027 | -.3586 | -.3979 | -.2947 | .1631 | .1595 | .1982 |

ALPHA ( 2) = 5.470 BETA ( 2) = -7.990 Q(PSF) = 61.038 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2305 | -.2290 | -.2066 | -.0820 | .1419 | .1326 | .2101 |
| 44.800 | -.2274 | -.2929 | -.2405 | -.1685 | .1253 | .1926 | |
| 50.100 | -.1951 | -.4038 | -.3183 | -.2329 | .1197 | .1916 | |
| 101.400 | -.3599 | -.4501 | -.5379 | -.3839 | | .2036 | |
| 115.600 | -.4139 | -.5456 | -.5826 | -.3958 | | .1999 | |
| 133.800 | -.4231 | -.4578 | -.5602 | -.2642 | | .1760 | |
| 149.100 | -.4316 | -.4585 | -.4208 | -.2256 | | .1760 | |
| 180.000 | -.4870 | -.3491 | -.3830 | -.2808 | .1714 | .1806 | .2101 |

ALPHA ( 2) = 5.460 BETA ( 3) = -5.010 Q(PSF) = 61.038 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2363 | -.2355 | -.1971 | -.0488 | .1490 | .1315 | .2180 |
| 44.800 | -.2201 | -.2801 | -.2186 | -.1443 | .1324 | .1923 | |
| 50.100 | -.1940 | -.4009 | -.3024 | -.2013 | .1297 | .1923 | |
| 101.400 | -.3717 | -.4540 | -.5263 | -.3585 | | .1996 | |
| 115.600 | -.4201 | -.5401 | -.5647 | -.3539 | | .1969 | |
| 133.800 | -.4263 | -.4578 | -.5455 | -.2371 | | .2052 | |
| 149.100 | -.4370 | -.4601 | -.4232 | -.2188 | | .2061 | |
| 180.000 | -.4532 | -.3547 | -.3732 | -.2702 | .1683 | .2070 | .2180 |

OA172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 2) = 5.460 BETA ( 4) = -4.010 Q(PSF) = 61.038 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2351 | -.2351 | -.1958 | -.0498 | .1511 | .1299 | .2156 |
| 44.800 | -.2182 | -.2806 | -.2166 | -.1427 | .1354 | .1889 | |
| 50.100 | -.1928 | -.4038 | -.2983 | -.1989 | .1326 | .1898 | |
| 101.400 | -.3784 | -.4578 | -.5232 | -.3498 | | .1898 | |
| 115.600 | -.4231 | -.5402 | -.5587 | -.3406 | | .1953 | |
| 133.800 | -.4293 | -.4585 | -.5410 | -.2292 | | .2018 | |
| 149.100 | -.4393 | -.4624 | -.4239 | -.2200 | | .2036 | |
| 180.000 | -.4347 | -.3484 | -.3738 | -.2716 | .1668 | .2036 | .2156 |

ALPHA ( 2) = 5.460 BETA ( 5) = -2.000 Q(PSF) = 61.038 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2338 | -.2338 | -.1923 | -.0506 | .1470 | .1194 | .1940 |
| 44.800 | -.2123 | -.2722 | -.2069 | -.1305 | .1397 | .1802 | |
| 50.100 | -.1931 | -.3991 | -.2838 | -.1856 | .1406 | .1802 | |
| 101.400 | -.3798 | -.4513 | -.5028 | -.3233 | | .1820 | |
| 115.600 | -.4236 | -.5305 | -.5374 | -.3068 | | .1848 | |
| 133.800 | -.4290 | -.4536 | -.5205 | -.2122 | | .1884 | |
| 149.100 | -.4444 | -.4613 | -.4221 | -.2159 | | .1894 | |
| 180.000 | -.4690 | -.3230 | -.3674 | -.2627 | .1608 | .1866 | .1940 |

ALPHA ( 2) = 5.460 BETA ( 6) = -1.010 Q(PSF) = 61.038 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2365 | -.2365 | -.1926 | -.0525 | .1454 | .1224 | .1998 |
| 44.800 | -.2126 | -.2696 | -.2011 | -.1215 | .1464 | .1832 | |
| 50.100 | -.1934 | -.3912 | -.2773 | -.1794 | .1473 | .1841 | |
| 101.400 | -.3789 | -.4482 | -.4913 | -.3082 | | .1851 | |
| 115.600 | -.4228 | -.5267 | -.5267 | -.2916 | | .1897 | |
| 133.800 | -.4313 | -.4528 | -.5144 | -.2061 | | .1924 | |
| 149.100 | -.4497 | -.4651 | -.4251 | -.2180 | | .1943 | |
| 180.000 | -.4628 | -.2958 | -.3762 | -.2723 | .1657 | .1943 | .1998 |

0A172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 2) = 5.460 BETA ( 7) = .000 Q(PSF) = 61.038 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2372 | -.2372 | -.1926 | -.0506 | .1472 | .1224 | .2016 |
| 44.800 | -.2133 | -.2664 | -.1956 | -.1159 | .1500 | .1868 | |
| 50.100 | -.1941 | -.3842 | -.2703 | -.1720 | .1500 | .1859 | |
| 101.400 | -.3773 | -.4419 | -.4788 | -.2915 | | .1878 | |
| 115.600 | -.4219 | -.5189 | -.5127 | -.2741 | | .1915 | |
| 133.800 | -.4334 | -.4550 | -.5112 | -.1977 | | .1933 | |
| 149.100 | -.4550 | -.4681 | -.4311 | -.2198 | | .1933 | |
| 180.000 | -.4550 | -.3018 | -.3725 | -.2759 | .1657 | .1942 | .2016 |

ALPHA ( 2) = 5.460 BETA ( 8) = .980 Q(PSF) = 61.038 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2378 | -.2378 | -.1917 | -.0515 | .1481 | .1251 | .2006 |
| 44.800 | -.2117 | -.2596 | -.1879 | -.1094 | .1536 | .1877 | |
| 50.100 | -.1948 | -.3724 | -.2632 | -.1618 | .1573 | .1886 | |
| 101.400 | -.3763 | -.4363 | -.4670 | -.2776 | | .1895 | |
| 115.600 | -.4201 | -.5109 | -.5017 | -.2583 | | .1923 | |
| 133.800 | -.4378 | -.4563 | -.5078 | -.1912 | | .1950 | |
| 149.100 | -.4594 | -.4678 | -.4271 | -.2188 | | .1932 | |
| 180.000 | -.4501 | -.2994 | -.3796 | -.2813 | .1665 | .1932 | .2006 |

ALPHA ( 2) = 5.450 BETA ( 9) = 1.980 Q(PSF) = 61.038 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2403 | -.2395 | -.1926 | -.0479 | .1482 | .1233 | .1970 |
| 44.800 | -.2110 | -.2510 | -.1795 | -.0994 | .1546 | .1887 | |
| 50.100 | -.1956 | -.3480 | -.2564 | -.1472 | .1555 | .1859 | |
| 101.400 | -.3757 | -.4327 | -.4573 | -.2630 | | .1841 | |
| 115.600 | -.4211 | -.5058 | -.4927 | -.2410 | | .1859 | |
| 133.800 | -.4396 | -.4558 | -.4973 | -.1821 | | .1878 | |
| 149.100 | -.4658 | -.4773 | -.4419 | -.2244 | | .1896 | |
| 180.000 | -.4427 | -.3311 | -.3743 | -.2722 | .1583 | .1859 | .1970 |

0A172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 2) = 5.450 BETA (10) = 3.980 Q(PSF) = 61.038 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2400 | -.2408 | -.1924 | -.0487 | .1489 | .1287 | .2051 |
| 44.800 | -.2085 | -.2370 | -.1639 | -.0855 | .1572 | .1931 | |
| 50.100 | -.1962 | -.3192 | -.2393 | -.1250 | .1554 | .1931 | |
| 101.400 | -.3746 | -.4246 | -.4399 | -.2371 | | .1885 | |
| 115.600 | -.4238 | -.4999 | -.4730 | -.2159 | | .1903 | |
| 133.800 | -.4530 | -.4668 | -.5114 | -.1810 | | .1940 | |
| 149.100 | -.4776 | -.4891 | -.4553 | -.2343 | | .1949 | |
| 180.000 | -.4399 | -.3500 | -.3657 | -.2609 | .1581 | .1940 | .2051 |

ALPHA ( 2) = 5.460 BETA (11) = 5.970 Q(PSF) = 61.038 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2469 | -.2462 | -.1993 | -.0552 | .1434 | .1324 | .2170 |
| 44.800 | -.2116 | -.2208 | -.1485 | -.0708 | .1535 | .1986 | |
| 50.100 | -.1977 | -.2907 | -.2146 | -.0993 | .1517 | .1986 | |
| 101.400 | -.3707 | -.4176 | -.4207 | -.2104 | | .1922 | |
| 115.600 | -.4376 | -.5106 | -.4691 | -.2012 | | .1968 | |
| 133.800 | -.4622 | -.4691 | -.4891 | -.1709 | | .2014 | |
| 149.100 | -.4891 | -.4929 | -.4499 | -.2205 | | .2032 | |
| 180.000 | -.4445 | -.3553 | -.3711 | -.2701 | .1710 | .2014 | .2170 |

ALPHA ( 2) = 5.450 BETA (12) = 7.970 Q(PSF) = 61.038 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2478 | -.2486 | -.2063 | -.0754 | .1398 | .1380 | .2245 |
| 44.800 | -.2086 | -.2001 | -.1340 | -.0690 | .1545 | .2052 | |
| 50.100 | -.1994 | -.2501 | -.1802 | -.0791 | .1527 | .2042 | |
| 101.400 | -.3647 | -.4055 | -.3886 | -.1839 | | .2125 | |
| 115.600 | -.4201 | -.4670 | -.4178 | -.1554 | | .2098 | |
| 133.800 | -.4717 | -.4732 | -.4694 | -.1168 | | .2088 | |
| 149.100 | -.5086 | -.5093 | -.4594 | -.2041 | | .1987 | |
| 180.000 | -.4586 | -.3555 | -.3695 | -.2739 | .1637 | .1914 | .2245 |

OA172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 2) = 5.450 BETA (13) = 9.960 Q(PSF) = 61.038 PO = 2118.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2575 | -.2567 | -.2151 | -.0857 | .1253 | .1133 | .1861 |
| 44.800 | -.2135 | -.1943 | -.1265 | -.0617 | .1391 | .1916 | |
| 50.100 | -.2035 | -.2351 | -.1565 | -.0718 | .1372 | .1926 | |
| 101.400 | -.3584 | -.3799 | -.3376 | -.1455 | | .2175 | |
| 115.600 | -.4077 | -.4262 | -.3214 | -.0893 | | .2073 | |
| 133.800 | -.4816 | -.4724 | -.4185 | -.0838 | | .1631 | |
| 149.100 | -.5317 | -.5232 | -.4585 | -.1740 | | .1529 | |
| 180.000 | -.5009 | -.3715 | -.3793 | -.2872 | .1612 | .1511 | .1861 |

ALPHA ( 3) = 10.850 BETA ( 1) = -9.980 Q(PSF) = 61.054 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2034 | -.2034 | -.1919 | -.0792 | .1584 | .1611 | .2708 |
| 44.800 | -.2058 | -.2481 | -.1988 | -.1436 | .1215 | .2247 | |
| 50.100 | -.1796 | -.3366 | -.2735 | -.1859 | .1058 | .2210 | |
| 101.400 | -.3074 | -.4059 | -.5184 | -.3947 | | .2616 | |
| 115.600 | -.4367 | -.5838 | -.6269 | -.4830 | | .2598 | |
| 133.800 | -.4614 | -.4960 | -.5869 | -.2926 | | .2137 | |
| 149.100 | -.4452 | -.4706 | -.4059 | -.2052 | | .2063 | |
| 180.000 | -.4968 | -.3505 | -.3497 | -.2411 | .1860 | .2128 | .2708 |

ALPHA ( 3) = 10.840 BETA ( 2) = -8.000 Q(PSF) = 61.054 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2049 | -.2034 | -.1895 | -.0746 | .1703 | .1630 | .2708 |
| 44.800 | -.2034 | -.2457 | -.1919 | -.1380 | .1307 | .2219 | |
| 50.100 | -.1834 | -.3404 | -.2581 | -.1702 | .1233 | .2219 | |
| 101.400 | -.3220 | -.4136 | -.5144 | -.3827 | | .2745 | |
| 115.600 | -.4374 | -.5775 | -.6083 | -.4526 | | .2689 | |
| 133.800 | -.4567 | -.4836 | -.5629 | -.2659 | | .2321 | |
| 149.100 | -.4413 | -.4598 | -.3936 | -.1932 | | .2321 | |
| 180.000 | -.4174 | -.3189 | -.3404 | -.2383 | .2007 | .2404 | .2708 |

OA172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 3) = 10.830 BETA ( 3) = -5.960 Q(PSF) = 61.054 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2055 | -.2039 | -.1862 | -.0671 | .1701 | .1581 | .2575 |
| 44.800 | -.2024 | -.2500 | -.1924 | -.1351 | .1397 | .2152 | |
| 50.100 | -.1839 | -.3523 | -.2516 | -.1709 | .1315 | .2152 | |
| 101.400 | -.3354 | -.4238 | -.5138 | -.3712 | | .2419 | |
| 115.600 | -.4369 | -.5730 | -.5960 | -.4180 | | .2355 | |
| 133.800 | -.4515 | -.4769 | -.5530 | -.2426 | | .2308 | |
| 149.100 | -.4415 | -.4561 | -.3915 | -.1819 | | .2299 | |
| 180.000 | -.4000 | -.3139 | -.3262 | -.2242 | .1977 | .2345 | .2575 |

ALPHA ( 3) = 10.830 BETA ( 4) = -4.000 Q(PSF) = 61.054 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2183 | -.2160 | -.1899 | -.0533 | .1672 | .1423 | .2370 |
| 44.800 | -.2106 | -.2505 | -.1891 | -.1221 | .1442 | .2030 | |
| 50.100 | -.1837 | -.3511 | -.2428 | -.1680 | .1414 | .2039 | |
| 101.400 | -.3419 | -.4287 | -.5047 | -.3478 | | .2186 | |
| 115.600 | -.4302 | -.5615 | -.5746 | -.3744 | | .2186 | |
| 133.800 | -.4417 | -.4671 | -.5270 | -.2056 | | .2186 | |
| 149.100 | -.4256 | -.4348 | -.3649 | -.1680 | | .2186 | |
| 180.000 | -.4333 | -.3250 | -.3460 | -.2368 | .1800 | .2168 | .2370 |

ALPHA ( 3) = 10.830 BETA ( 5) = -2.010 Q(PSF) = 61.054 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2280 | -.2257 | -.1887 | -.0424 | .1685 | .1500 | .2458 |
| 44.800 | -.2126 | -.2419 | -.1780 | -.1031 | .1611 | .2182 | |
| 50.100 | -.1895 | -.3304 | -.2365 | -.1546 | .1620 | .2173 | |
| 101.400 | -.3481 | -.4250 | -.4897 | -.3219 | | .2247 | |
| 115.600 | -.4235 | -.5390 | -.5451 | -.3284 | | .2237 | |
| 133.800 | -.4304 | -.4466 | -.4843 | -.1775 | | .2191 | |
| 149.100 | -.4312 | -.4289 | -.3650 | -.1775 | | .2182 | |
| 180.000 | -.4789 | -.2888 | -.3652 | -.2723 | .1915 | .2210 | .2458 |

DATE 08 APR 81 OA259 ( AEDC V41B 14 ) (CFG040)

OA172 TAILCONE PRESSURES GEAR ON

ALPHA ( 3) = 10.820 BETA ( 6) = -1.010 Q(PSF) = 61.054 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2312 | -.2305 | -.1904 | -.0378 | .1686 | .1474 | .2405 |
| 44.800 | -.2135 | -.2366 | -.1727 | -.0967 | .1667 | .2138 | |
| 50.100 | -.1904 | -.3221 | -.2351 | -.1455 | .1695 | .2156 | |
| 101.400 | -.3514 | -.4254 | -.4831 | -.3093 | | .2193 | |
| 115.600 | -.4223 | -.5324 | -.5340 | -.3093 | | .2211 | |
| 133.800 | -.4277 | -.4431 | -.4685 | -.1804 | | .2193 | |
| 149.100 | -.4377 | -.4400 | -.3776 | -.1823 | | .2184 | |
| 180.000 | -.4754 | -.2621 | -.3617 | -.2697 | .1925 | .2193 | .2405 |

ALPHA ( 3) = 10.830 BETA ( 7) = .000 Q(PSF) = 61.054 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2363 | -.2340 | -.1901 | -.0331 | .1656 | .1462 | .2364 |
| 44.800 | -.2132 | -.2301 | -.1617 | -.0901 | .1692 | .2153 | |
| 50.100 | -.1894 | -.3047 | -.2332 | -.1315 | .1748 | .2153 | |
| 101.400 | -.3532 | -.4224 | -.4747 | -.2959 | | .2162 | |
| 115.600 | -.4170 | -.5208 | -.5193 | -.2877 | | .2171 | |
| 133.800 | -.4247 | -.4401 | -.4608 | -.1829 | | .2153 | |
| 149.100 | -.4447 | -.4478 | -.3870 | -.1848 | | .2143 | |
| 180.000 | -.4854 | -.2578 | -.3667 | -.2720 | .1913 | .2162 | .2364 |

ALPHA ( 3) = 10.820 BETA ( 8) = .990 Q(PSF) = 61.054 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2393 | -.2362 | -.1924 | -.0359 | .1682 | .1498 | .2354 |
| 44.800 | -.2131 | -.2147 | -.1501 | -.0800 | .1738 | .2179 | |
| 50.100 | -.1893 | -.2731 | -.2200 | -.1140 | .1774 | .2179 | |
| 101.400 | -.3546 | -.4199 | -.4630 | -.2784 | | .2179 | |
| 115.600 | -.4138 | -.5083 | -.5037 | -.2683 | | .2189 | |
| 133.800 | -.4268 | -.4391 | -.4699 | -.1810 | | .2170 | |
| 149.100 | -.4507 | -.4568 | -.3968 | -.1847 | | .2170 | |
| 180.000 | -.4668 | -.2731 | -.3638 | -.2683 | .1931 | .2170 | .2354 |

OA172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 3) = 10.820 BETA ( 9) = 1.970 Q(PSF) = 61.054 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2404 | -.2420 | -.1942 | -.0396 | .1731 | .1547 | .2469 |
| 44.800 | -.2150 | -.2096 | -.1419 | -.0746 | .1814 | .2266 | |
| 50.100 | -.1865 | -.2620 | -.2127 | -.1022 | .1833 | .2257 | |
| 101.400 | -.3521 | -.4160 | -.4514 | -.2632 | | .2220 | |
| 115.600 | -.4029 | -.4891 | -.4868 | -.2522 | | .2257 | |
| 133.800 | -.4291 | -.4437 | -.4799 | -.1785 | | .2238 | |
| 149.100 | -.4560 | -.4614 | -.4014 | -.1859 | | .2229 | |
| 180.000 | -.4453 | -.2928 | -.3681 | -.2779 | .1943 | .2211 | .2469 |

ALPHA ( 3) = 10.820 BETA (10) = 3.980 Q(PSF) = 61.054 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2466 | -.2466 | -.1973 | -.0396 | .1695 | .1372 | .2275 |
| 44.800 | -.2158 | -.1958 | -.1295 | -.0663 | .1833 | .2119 | |
| 50.100 | -.1827 | -.2312 | -.1811 | -.0792 | .1851 | .2137 | |
| 101.400 | -.3521 | -.4037 | -.4237 | -.2255 | | .2119 | |
| 115.600 | -.4091 | -.4922 | -.4738 | -.2273 | | .2137 | |
| 133.800 | -.4399 | -.4522 | -.4884 | -.1602 | | .2155 | |
| 149.100 | -.4622 | -.4684 | -.4152 | -.1905 | | .2146 | |
| 180.000 | -.3898 | -.3290 | -.3377 | -.2319 | .1805 | .2146 | .2275 |

ALPHA ( 3) = 10.830 BETA (11) = 5.970 Q(PSF) = 61.054 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2438 | -.2438 | -.2023 | -.0561 | .1719 | .1544 | .2510 |
| 44.800 | -.2092 | -.1762 | -.1170 | -.0588 | .1940 | .2299 | |
| 50.100 | -.1862 | -.1962 | -.1378 | -.0643 | .1968 | .2299 | |
| 101.400 | -.3484 | -.3968 | -.4099 | -.2067 | | .2308 | |
| 115.600 | -.4252 | -.5090 | -.4767 | -.2085 | | .2354 | |
| 133.800 | -.4506 | -.4583 | -.4921 | -.1562 | | .2336 | |
| 149.100 | -.4698 | -.4744 | -.4260 | 11.4214 | | .2317 | |
| 180.000 | 12.0452 | -.3230 | -.3353 | -.2324 | .1949 | .2317 | .2510 |

OA172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 3) = 10.840 BETA (12) = 7.980 Q(PSF) = 61.054 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2518 | -.2495 | -.2087 | -.0635 | .1638 | .1564 | .2577 |
| 44.800 | -.2125 | -.1679 | -.1079 | -.0396 | .1887 | .2338 | |
| 50.100 | -.1864 | -.1818 | -.1102 | -.0488 | .1914 | .2329 | |
| 101.400 | -.3495 | -.3987 | -.4057 | -.1894 | | .2421 | |
| 115.600 | -.4395 | -.5149 | -.4657 | -.1867 | | .2448 | |
| 133.800 | -.4664 | -.4687 | -.4834 | -.1462 | | .2393 | |
| 149.100 | -.4880 | -.4872 | -.4310 | -.1940 | | .2375 | |
| 180.000 | -.4087 | -.3341 | -.3384 | -.2382 | .1960 | .2329 | .2577 |

ALPHA ( 4) = 16.270 BETA ( 1) = -9.970 Q(PSF) = 61.131 PO = 2117.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2066 | -.2050 | -.1889 | -.0461 | .1805 | .1833 | .3087 |
| 44.800 | -.2104 | -.1889 | -.1457 | -.0921 | .1428 | .2571 | |
| 50.100 | -.1827 | -.2281 | -.2027 | -.1234 | .1308 | .2552 | |
| 101.400 | -.2728 | -.3745 | -.5077 | -.4004 | | .3004 | |
| 115.600 | -.4500 | -.6025 | -.6487 | -.5320 | | .3022 | |
| 133.800 | -.5070 | -.5308 | -.6133 | -.3148 | | .2737 | |
| 149.100 | -.4530 | -.4669 | -.3868 | -.1905 | | .2644 | |
| 180.000 | -.4307 | -.3391 | -.3387 | -.2209 | .2018 | .2608 | .3087 |

ALPHA ( 4) = 16.260 BETA ( 2) = -7.990 Q(PSF) = 61.131 PO = 2117.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2020 | -.1989 | -.1820 | -.0441 | .1734 | .1523 | .2671 |
| 44.800 | -.2035 | -.1943 | -.1459 | -.0899 | .1468 | .2193 | |
| 50.100 | -.1812 | -.2442 | -.1920 | -.1192 | .1413 | .2166 | |
| 101.400 | -.2871 | -.3876 | -.5104 | -.3869 | | .2680 | |
| 115.600 | -.4429 | -.5925 | -.6301 | -.4887 | | .2643 | |
| 133.800 | -.4927 | -.5181 | -.5917 | -.2787 | | .2524 | |
| 149.100 | -.4459 | -.4559 | -.3692 | -.1706 | | .2515 | |
| 180.000 | -.3915 | -.3101 | -.3154 | -.2017 | .2046 | .2496 | .2671 |

OA172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 4) = 16.250 BETA ( 3) = -6.970 Q(PSF) = 61.131 PO = 2117.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2080 | -.2033 | -.1849 | -.0442 | .1666 | .1371 | .2486 |
| 44.800 | -.2080 | -.1987 | -.1479 | -.0874 | .1482 | .2007 | |
| 50.100 | -.1826 | -.2511 | -.1872 | -.1205 | .1482 | .2034 | |
| 101.400 | -.2926 | -.3919 | -.5135 | -.3789 | | .2375 | |
| 115.600 | -.4312 | -.5889 | -.6205 | -.4626 | | .2357 | |
| 133.800 | -.4796 | -.5066 | -.5751 | -.2511 | | .2338 | |
| 149.100 | -.4281 | -.4365 | -.3534 | -.1591 | | .2338 | |
| 180.000 | -.3965 | -.3049 | -.3054 | -.1987 | .1970 | .2329 | .2486 |

ALPHA ( 4) = 16.250 BETA ( 4) = -5.990 Q(PSF) = 61.131 PO = 2117.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2136 | -.2105 | -.1875 | -.0422 | .1708 | .1561 | .2663 |
| 44.800 | -.2128 | -.2005 | -.1460 | -.0835 | .1561 | .2268 | |
| 50.100 | -.1821 | -.2535 | -.1813 | -.1193 | .1579 | .2277 | |
| 101.400 | -.2996 | -.3955 | -.5061 | -.3706 | | .2507 | |
| 115.600 | -.4201 | -.5736 | -.5982 | -.4385 | | .2498 | |
| 133.800 | -.4654 | -.4892 | -.5529 | -.2303 | | .2452 | |
| 149.100 | -.4109 | -.4178 | -.3410 | -.1541 | | .2443 | |
| 180.000 | -.4439 | -.3303 | -.3275 | -.2119 | .1983 | .2443 | .2663 |

ALPHA ( 4) = 16.240 BETA ( 5) = -4.000 Q(PSF) = 61.131 PO = 2117.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2139 | -.2109 | -.1847 | -.0377 | .1793 | .1600 | .2760 |
| 44.800 | -.2124 | -.1939 | -.1370 | -.0745 | .1784 | .2465 | |
| 50.100 | -.1816 | -.2431 | -.1816 | -.1048 | .1812 | .2484 | |
| 101.400 | -.3131 | -.3992 | -.5023 | -.3437 | | .2631 | |
| 115.600 | -.4131 | -.5484 | -.5761 | -.3878 | | .2658 | |
| 133.800 | -.4500 | -.4707 | -.5184 | -.1829 | | .2520 | |
| 149.100 | -.4092 | -.4100 | -.3346 | -.1489 | | .2493 | |
| 180.000 | -.4438 | -.2993 | -.3703 | -.2784 | .2134 | .2484 | .2760 |

0A172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 4) = 16.250 BETA ( 6) = -2.010 Q(PSF) = 61.131 PO = 2117.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2100 | -.2054 | -.1785 | -.0285 | .1792 | .1654 | .2832 |
| 44.800 | -.2054 | -.1769 | -.1231 | -.0625 | .1811 | .2464 | |
| 50.100 | -.1846 | -.2207 | -.1769 | -.0873 | .1884 | .2482 | |
| 101.400 | -.3268 | -.4083 | -.4951 | -.3095 | | .2630 | |
| 115.600 | -.4044 | -.5289 | -.5574 | -.3361 | | .2648 | |
| 133.800 | -.4267 | -.4429 | -.4759 | -.1644 | | .2602 | |
| 149.100 | -.4628 | -.4498 | -.3737 | -.1782 | | .2602 | |
| 180.000 | -.4867 | -.2707 | -.3628 | -.2728 | .2243 | .2630 | .2832 |

ALPHA ( 4) = 16.250 BETA ( 7) = -1.010 Q(PSF) = 61.131 PO = 2117.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2118 | -.2080 | -.1795 | -.0258 | .1915 | .1721 | .2771 |
| 44.800 | -.2018 | -.1649 | -.1141 | -.0571 | .1915 | .2495 | |
| 50.100 | -.1833 | -.1972 | -.1549 | -.0755 | .1952 | .2495 | |
| 101.400 | -.3350 | -.4111 | -.4789 | -.2916 | | .2633 | |
| 115.600 | -.4065 | -.5274 | -.5420 | -.3201 | | .2624 | |
| 133.800 | -.4288 | -.4412 | -.4589 | -.1683 | | .2615 | |
| 149.100 | -.4612 | -.4643 | -.4235 | -.2272 | | .2606 | |
| 180.000 | -.4927 | -.2672 | -.3568 | -.2732 | .2237 | .2615 | .2771 |

ALPHA ( 4) = 16.240 BETA ( 8) = -.010 Q(PSF) = 61.131 PO = 2117.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2131 | -.2100 | -.1801 | -.0285 | .1968 | .1765 | .2768 |
| 44.800 | -.2000 | -.1531 | -.1055 | -.0542 | .1949 | .2547 | |
| 50.100 | -.1824 | -.1724 | -.1278 | -.0634 | .1986 | .2529 | |
| 101.400 | -.3353 | -.4084 | -.4660 | -.2710 | | .2612 | |
| 115.600 | -.4038 | -.5183 | -.5291 | -.2995 | | .2621 | |
| 133.800 | -.4337 | -.4406 | -.4422 | -.1782 | | .2603 | |
| 149.100 | -.4345 | -.4391 | -.3915 | -.2113 | | .2603 | |
| 180.000 | -.4822 | -.2638 | -.3509 | -.2710 | .2234 | .2584 | .2768 |

OA172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 4) = 16.250 BETA ( 9) = .980 Q(PSF) = 61.131 PO = 2117.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2181 | -.2150 | -.1805 | -.0276 | .1909 | .1780 | .2791 |
| 44.800 | -.1997 | -.1460 | -.0999 | -.0496 | .1937 | .2570 | |
| 50.100 | -.1836 | -.1582 | -.1084 | -.0569 | .1964 | .2570 | |
| 101.400 | -.3386 | -.4053 | -.4498 | -.2467 | | .2653 | |
| 115.600 | -.4076 | -.5112 | -.5143 | -.2723 | | .2662 | |
| 133.800 | -.4621 | -.4675 | -.4897 | -.2036 | | .2644 | |
| 149.100 | -.4437 | -.4483 | -.3946 | -.2008 | | .2616 | |
| 180.000 | -.4836 | -.2695 | -.3640 | -.2824 | .2240 | .2616 | .2791 |

ALPHA ( 4) = 16.250 BETA (10) = 1.980 Q(PSF) = 61.131 PO = 2117.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2210 | -.2172 | -.1819 | -.0275 | .1862 | .1761 | .2807 |
| 44.800 | -.1995 | -.1374 | -.0930 | -.0440 | .1917 | .2559 | |
| 50.100 | -.1827 | -.1390 | -.0861 | -.0468 | .1926 | .2532 | |
| 101.400 | -.3399 | -.4005 | -.4227 | -.2108 | | .2605 | |
| 115.600 | -.4097 | -.4986 | -.4894 | -.2419 | | .2642 | |
| 133.800 | -.4235 | -.4342 | -.4848 | -.1998 | | .2642 | |
| 149.100 | -.4518 | -.4557 | -.4005 | -.1934 | | .2642 | |
| 180.000 | -.4557 | -.2824 | -.3684 | -.2823 | .2266 | .2633 | .2807 |

ALPHA ( 4) = 16.250 BETA (11) = 3.970 Q(PSF) = 61.131 PO = 2117.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2284 | -.2253 | -.1892 | -.0331 | .1856 | .1728 | .2831 |
| 44.800 | -.2023 | -.1339 | -.0878 | -.0313 | .1985 | .2491 | |
| 50.100 | -.1838 | -.1285 | -.0655 | -.0340 | .1994 | .2491 | |
| 101.400 | -.3390 | -.3836 | -.3897 | -.1754 | | .2583 | |
| 115.600 | -.4143 | -.5004 | -.4904 | -.2323 | | .2611 | |
| 133.800 | -.4389 | -.4512 | -.5012 | -.1773 | | .2555 | |
| 149.100 | -.4620 | -.4612 | -.4005 | -.1828 | | .2555 | |
| 180.000 | -.4205 | -.2845 | -.3480 | -.2654 | .2123 | .2537 | .2831 |

OA172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 4) = 16.250 BETA (12) = 5.960 Q(PSF) = 61.131 PO = 2117.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2373 | -.2350 | -.1959 | -.0358 | .1726 | .1432 | .2506 |
| 44.800 | -.2066 | -.1283 | -.0800 | -.0111 | .1974 | .2203 | |
| 50.100 | -.1828 | -.1138 | -.0501 | -.0138 | .2010 | .2212 | |
| 101.400 | -.3325 | -.3708 | -.3747 | -.1614 | | .2359 | |
| 115.600 | -.4461 | -.5305 | -.4913 | -.1990 | | .2378 | |
| 133.800 | -.4568 | -.4652 | -.4959 | -.1495 | | .2396 | |
| 149.100 | -.4722 | -.4737 | -.4108 | -.1743 | | .2387 | |
| 180.000 | -.3870 | -.3187 | -.3082 | -.2036 | .2020 | .2387 | .2506 |

ALPHA ( 4) = 16.250 BETA (13) = 7.970 Q(PSF) = 61.131 PO = 2117.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2383 | -.2344 | -.1976 | -.0395 | .1819 | .1727 | .2858 |
| 44.800 | -.2052 | -.1131 | -.0662 | .0026 | .2122 | .2536 | |
| 50.100 | -.1807 | -.0839 | -.0324 | .0026 | .2150 | .2545 | |
| 101.400 | -.3312 | -.3734 | -.3681 | -.1478 | | .2674 | |
| 115.600 | -.4702 | -.5485 | -.4871 | -.1772 | | .2701 | |
| 133.800 | -.4802 | -.4840 | -.5109 | -.1524 | | .2619 | |
| 149.100 | -.5002 | -.4979 | -.4349 | -.1900 | | .2609 | |
| 180.000 | -.3727 | -.3243 | -.3130 | -.2093 | .2113 | .2600 | .2858 |

ALPHA ( 4) = 16.250 BETA (14) = 9.970 Q(PSF) = 61.131 PO = 2117.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2531 | -.2562 | -.2123 | -.0396 | .1793 | .1747 | .2980 |
| 44.800 | -.2185 | -.1009 | -.0617 | .0072 | .2097 | .2593 | |
| 50.100 | -.1793 | -.0547 | -.0125 | .0118 | .2124 | .2603 | |
| 101.400 | -.3392 | -.3715 | -.3461 | -.1250 | | .2805 | |
| 115.600 | -.4968 | -.5506 | -.4614 | -.1323 | | .2805 | |
| 133.800 | -.5098 | -.5022 | -.5152 | -.1351 | | .2547 | |
| 149.100 | -.5337 | -.5229 | -.4606 | -.2122 | | .2520 | |
| 180.000 | -.3730 | -.3453 | -.3298 | -.2205 | .2051 | .2492 | .2980 |

0A172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 5) = 21.680 BETA ( 1) = -9.980 Q(PSF) = 61.458 PO = 2117.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2227 | -.2166 | -.1837 | .0017 | .1729 | .1729 | .3047 |
| 44.800 | -.2197 | -.1271 | -.0950 | -.0430 | .1436 | .2617 | |
| 50.100 | -.1952 | -.1241 | -.0751 | -.0567 | .1299 | .2598 | |
| 101.400 | -.3612 | -.4499 | -.5485 | -.3738 | | .2937 | |
| 115.600 | -.4415 | -.5929 | -.6847 | -.5164 | | .2955 | |
| 133.800 | -.5608 | -.5883 | -.6961 | -.3747 | | .2846 | |
| 149.100 | -.5134 | -.5264 | -.4399 | -.2294 | | .2800 | |
| 180.000 | -.4392 | -.3390 | -.3482 | -.2349 | .2278 | .2763 | .3047 |

ALPHA ( 5) = 21.690 BETA ( 2) = -7.980 Q(PSF) = 61.458 PO = 2117.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2205 | -.2151 | -.1815 | .0017 | .1454 | .1180 | .2489 |
| 44.800 | -.2174 | -.1317 | -.0912 | -.0366 | .1244 | .1912 | |
| 50.100 | -.1975 | -.1325 | -.0843 | -.0485 | .1143 | .1921 | |
| 101.400 | -.3620 | -.4576 | -.5517 | -.3583 | | .2370 | |
| 115.600 | -.4438 | -.5961 | -.6883 | -.4772 | | .2388 | |
| 133.800 | -.5402 | -.5708 | -.6626 | -.3117 | | .2388 | |
| 149.100 | -.4729 | -.4844 | -.4018 | -.2039 | | .2370 | |
| 180.000 | -.4301 | -.3421 | -.3391 | -.2212 | .2004 | .2379 | .2489 |

ALPHA ( 5) = 21.690 BETA ( 3) = -5.970 Q(PSF) = 61.458 PO = 2117.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2312 | -.2289 | -.1876 | -.0092 | .1399 | .1280 | .2690 |
| 44.800 | -.2289 | -.1264 | -.0889 | -.0339 | .1308 | .2077 | |
| 50.100 | -.1937 | -.1187 | -.0943 | -.0503 | .1271 | .2114 | |
| 101.400 | -.3765 | -.4660 | -.5410 | -.3300 | | .2608 | |
| 115.600 | -.4729 | -.6152 | -.6641 | -.4351 | | .2590 | |
| 133.800 | -.5226 | -.5433 | -.6136 | -.2459 | | .2507 | |
| 149.100 | -.4400 | -.4392 | -.3750 | -.1947 | | .2480 | |
| 180.000 | -.4331 | -.4048 | -.4013 | -.2395 | .1995 | .2452 | .2690 |

OA172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 5) = 21.680 BETA ( 4) = -3.990 Q(PSF) = 61.458 PO = 2117.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2355 | -.2278 | -.1896 | -.0083 | .1672 | .1754 | .3126 |
| 44.800 | -.2210 | -.1178 | -.0819 | -.0247 | .1553 | .2559 | |
| 50.100 | -.1988 | -.1048 | -.0720 | -.0393 | .1498 | .2541 | |
| 101.400 | -.3715 | -.4586 | -.5174 | -.2894 | | .2870 | |
| 115.600 | -.4800 | -.6251 | -.6496 | -.3816 | | .2897 | |
| 133.800 | -.5143 | -.5357 | -.5961 | -.2155 | | .2879 | |
| 149.100 | -.4761 | -.4693 | -.3852 | -.1863 | | .2861 | |
| 180.000 | -.4731 | -.3134 | -.4145 | -.3278 | .2532 | .2879 | .3126 |

ALPHA ( 5) = 21.690 BETA ( 5) = -2.010 Q(PSF) = 61.458 PO = 2117.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2324 | -.2248 | -.1873 | .0000 | .1663 | .1690 | .3080 |
| 44.800 | -.2156 | -.1003 | -.0697 | -.0137 | .1599 | .2577 | |
| 50.100 | -.1965 | -.0712 | -.0391 | -.0238 | .1517 | .2587 | |
| 101.400 | -.3592 | -.4379 | -.4761 | -.2301 | | .2870 | |
| 115.600 | -.4570 | -.6190 | -.6221 | -.3332 | | .2897 | |
| 133.800 | -.4800 | -.5174 | -.5533 | -.2009 | | .2897 | |
| 149.100 | -.4547 | -.4716 | -.4158 | -.2127 | | .2916 | |
| 180.000 | -.5090 | -.3119 | -.4090 | -.3332 | .2605 | .2943 | .3080 |

ALPHA ( 5) = 21.700 BETA ( 6) = -1.010 Q(PSF) = 61.458 PO = 2117.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2306 | -.2260 | -.1879 | -.0010 | .1679 | .1697 | .3104 |
| 44.800 | -.2169 | -.1016 | -.0696 | -.0128 | .1697 | .2574 | |
| 50.100 | -.2008 | -.0696 | -.0292 | -.0238 | .1688 | .2583 | |
| 101.400 | -.3595 | -.4335 | -.4648 | -.2280 | | .2912 | |
| 115.600 | -.4824 | -.6190 | -.6136 | -.3064 | | .2958 | |
| 133.800 | -.4938 | -.5152 | -.5427 | -.2034 | | .2939 | |
| 149.100 | -.6022 | -.5907 | -.5289 | -.2763 | | .2939 | |
| 180.000 | -.5228 | -.3138 | -.4176 | -.3419 | .2620 | .2958 | .3104 |

OA172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 5) = 21.700 BETA ( 7) = .000 Q(PSF) = 61.458 PO = 2117.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2333 | -.2279 | -.1866 | .0044 | .1709 | .1727 | .3090 |
| 44.800 | -.2164 | -.0995 | -.0628 | -.0092 | .1782 | .2606 | |
| 50.100 | -.2035 | -.0659 | -.0193 | -.0174 | .1773 | .2606 | |
| 101.400 | -.3609 | -.4266 | -.4396 | -.2092 | | .2953 | |
| 115.600 | -.4862 | -.6139 | -.5970 | -.2877 | | .2962 | |
| 133.800 | -.5030 | -.5229 | -.5330 | -.2028 | | .2972 | |
| 149.100 | -.5588 | -.5665 | -.5581 | -.3452 | | .2981 | |
| 180.000 | -.5176 | -.3120 | -.4237 | -.3434 | .2615 | .2972 | .3090 |

ALPHA ( 5) = 21.690 BETA ( 8) = .980 Q(PSF) = 61.458 PO = 2117.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2363 | -.2302 | -.1905 | .0044 | .1691 | .1700 | .3100 |
| 44.800 | -.2203 | -.0995 | -.0659 | -.0028 | .1773 | .2587 | |
| 50.100 | -.2057 | -.0552 | -.0124 | -.0092 | .1782 | .2569 | |
| 101.400 | -.3632 | -.4266 | -.4335 | -.1909 | | .2935 | |
| 115.600 | -.4946 | -.6123 | -.5863 | -.2667 | | .2972 | |
| 133.800 | -.5420 | -.5306 | -.5191 | -.2146 | | .2962 | |
| 149.100 | -.4855 | -.5007 | -.4939 | -.3142 | | .2972 | |
| 180.000 | -.5099 | -.3104 | -.4210 | -.3407 | .2615 | .2953 | .3100 |

ALPHA ( 5) = 21.690 BETA ( 9) = 1.980 Q(PSF) = 61.458 PO = 2117.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2384 | -.2316 | -.1880 | .0044 | .1671 | .1717 | .3097 |
| 44.800 | -.2224 | -.0956 | -.0643 | .0000 | .1763 | .2613 | |
| 50.100 | -.2079 | -.0620 | -.0124 | -.0055 | .1763 | .2613 | |
| 101.400 | -.3644 | -.4148 | -.4057 | -.1707 | | .2933 | |
| 115.600 | -.5034 | -.6088 | -.5714 | -.2318 | | .2969 | |
| 133.800 | -.6393 | -.6309 | -.6225 | -.2647 | | .2951 | |
| 149.100 | -.4828 | -.4965 | -.4660 | -.2720 | | .2951 | |
| 180.000 | -.4797 | -.3094 | -.4152 | -.3367 | .2658 | .2933 | .3097 |

0A172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 5) = 21.700 BETA (10) = 3.980 Q(PSF) = 61.458 PO = 2117.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2418 | -.2349 | -.1898 | .0145 | .1609 | .1573 | .2991 |
| 44.800 | -.2219 | -.0789 | -.0468 | .0182 | .1692 | .2451 | |
| 50.100 | -.2104 | -.0155 | .0264 | .0163 | .1664 | .2442 | |
| 101.400 | -.3351 | -.3718 | -.3374 | -.1188 | | .2735 | |
| 115.600 | -.5209 | -.5637 | -.4972 | -.1910 | | .2763 | |
| 133.800 | -.4674 | -.4857 | -.5469 | -.1910 | | .2781 | |
| 149.100 | -.4957 | -.5033 | -.4505 | -.2148 | | .2772 | |
| 180.000 | -.4047 | -.3167 | -.3801 | -.2878 | .2461 | .2799 | .2991 |

ALPHA ( 5) = 21.680 BETA (11) = 5.970 Q(PSF) = 61.458 PO = 2117.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2583 | -.2506 | -.2010 | .0136 | .1479 | .1223 | .2567 |
| 44.800 | -.2323 | -.0773 | -.0361 | .0300 | .1735 | .2174 | |
| 50.100 | -.2117 | .0073 | .0454 | .0309 | .1827 | .2210 | |
| 101.400 | -.2903 | -.3125 | -.2819 | -.0895 | | .2466 | |
| 115.600 | -.5019 | -.5828 | -.4904 | -.1561 | | .2476 | |
| 133.800 | -.4965 | -.5125 | -.5416 | -.1588 | | .2457 | |
| 149.100 | -.5034 | -.5110 | -.4423 | -.1853 | | .2439 | |
| 180.000 | -.4026 | -.4011 | -.3860 | -.2373 | .2119 | .2457 | .2567 |

ALPHA ( 5) = 21.660 BETA (12) = 7.970 Q(PSF) = 61.458 PO = 2117.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2621 | -.2552 | -.2031 | .0145 | .1722 | .1465 | .2831 |
| 44.800 | -.2337 | -.0645 | -.0216 | .0521 | .2070 | .2391 | |
| 50.100 | -.2062 | .0249 | .0715 | .0549 | .2134 | .2455 | |
| 101.400 | -.2881 | -.3180 | -.3004 | -.1007 | | .2620 | |
| 115.600 | -.5309 | -.5891 | -.4826 | -.1318 | | .2675 | |
| 133.800 | -.5171 | -.5209 | -.5454 | -.1510 | | .2684 | |
| 149.100 | -.5271 | -.5232 | -.4574 | -.2087 | | .2694 | |
| 180.000 | -.3976 | -.3463 | -.3359 | -.2215 | .2235 | .2648 | .2831 |

0A172 TAILCONE PRESSURES GEAR ON (CFG040)

ALPHA ( 5) = 21.640 BETA (13) = 9.970 Q(PSF) = 61.458 PO = 2117.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2682 | -.2606 | -.2086 | .0127 | .1744 | .1626 | .3051 |
| 44.800 | -.2361 | -.0597 | -.0147 | .0574 | .2055 | .2613 | |
| 50.100 | -.2010 | .0408 | .0827 | .0629 | .2110 | .2622 | |
| 101.400 | -.3041 | -.3377 | -.3071 | -.0858 | | .2905 | |
| 115.600 | -.5485 | -.5950 | -.4721 | -.1077 | | .2923 | |
| 133.800 | -.5439 | -.5408 | -.5721 | -.1479 | | .2677 | |
| 149.100 | -.5721 | -.5614 | -.4774 | -.1953 | | .2640 | |
| 180.000 | -.4072 | -.3476 | -.3340 | -.2209 | .2320 | .2668 | .3051 |

OA172 TAILCONE PRESSURES GEAR ON (CFG041) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 25.000 BDFLAP = -11.700
H/BW = .125

ALPHA ( 1) = 10.850 BETA ( 1) = -9.940 Q(PSF) = 61.128 PO = 2118.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2136 | -.2121 | -.1998 | -.0838 | .1567 | .1650 | .2655 |
| 44.800 | -.2144 | -.2537 | -.1990 | -.1446 | .1188 | .2185 | |
| 50.100 | -.1959 | -.3454 | -.2761 | -.1860 | .1041 | .2157 | |
| 101.400 | -.3092 | -.4071 | -.5219 | -.3997 | | .2581 | |
| 115.600 | -.4348 | -.5858 | -.6328 | -.4927 | | .2563 | |
| 133.800 | -.4518 | -.4911 | -.6020 | -.3122 | | .2083 | |
| 149.100 | -.4325 | -.4818 | -.4610 | -.2422 | | .1991 | |
| 180.000 | -.5111 | -.4202 | -.4347 | -.2505 | .1899 | .2028 | .2655 |

ALPHA ( 1) = 10.840 BETA ( 2) = -5.990 Q(PSF) = 61.128 PO = 2118.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2127 | -.2112 | -.1927 | -.0709 | .1704 | .1630 | .2635 |
| 44.800 | -.2096 | -.2558 | -.1950 | -.1362 | .1363 | .2155 | |
| 50.100 | -.1981 | -.3590 | -.2558 | -.1740 | .1280 | .2146 | |
| 101.400 | -.3390 | -.4276 | -.5215 | -.3773 | | .2487 | |
| 115.600 | -.4383 | -.5793 | -.6093 | -.4325 | | .2432 | |
| 133.800 | -.4491 | -.4830 | -.5754 | -.2669 | | .2358 | |
| 149.100 | -.4399 | -.4822 | -.4514 | -.2172 | | .2367 | |
| 180.000 | -.4168 | -.3798 | -.4012 | -.2356 | .2008 | .2386 | .2635 |

ALPHA ( 1) = 10.830 BETA ( 3) = -2.000 Q(PSF) = 61.128 PO = 2118.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2315 | -.2299 | -.1938 | -.0478 | .1672 | .1544 | .2473 |
| 44.800 | -.2169 | -.2461 | -.1784 | -.1056 | .1580 | .2160 | |
| 50.100 | -.1976 | -.3383 | -.2422 | -.1525 | .1590 | .2169 | |
| 101.400 | -.3521 | -.4289 | -.4965 | -.3278 | | .2261 | |
| 115.600 | -.4243 | -.5480 | -.5580 | -.3425 | | .2261 | |
| 133.800 | -.4297 | -.4558 | -.5119 | -.2039 | | .2243 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG041)

ALPHA ( 1) = 10.830 BETA ( 3) = -2.000

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4358 | -.4589 | -.4243 | -.2057 | | .2243 | |
| 180.000 | -.4235 | -.3521 | -.4600 | -.2920 | .1939 | .2252 | .2473 |

ALPHA ( 1) = 10.830 BETA ( 4) = -1.010 Q(PSF) = 61.128 PO = 2118.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2326 | -.2326 | -.1935 | -.0413 | .1642 | .1504 | .2368 |
| 44.800 | -.2165 | -.2410 | -.1697 | -.1000 | .1624 | .2120 | |
| 50.100 | -.1966 | -.3270 | -.2387 | -.1421 | .1661 | .2120 | |
| 101.400 | -.3538 | -.4275 | -.4865 | -.3154 | | .2193 | |
| 115.600 | -.4236 | -.5372 | -.5441 | -.3236 | | .2211 | |
| 133.800 | -.4267 | -.4497 | -.4934 | -.2026 | | .2221 | |
| 149.100 | -.4390 | -.4650 | -.4336 | -.2081 | | .2202 | |
| 180.000 | -.4052 | -.3224 | -.4538 | -.2842 | .1945 | .2221 | .2368 |

ALPHA ( 1) = 10.830 BETA ( 5) = .000 Q(PSF) = 61.128 PO = 2118.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2361 | -.2353 | -.1930 | -.0386 | .1636 | .1507 | .2353 |
| 44.800 | -.2169 | -.2315 | -.1623 | -.0928 | .1682 | .2142 | |
| 50.100 | -.1953 | -.3106 | -.2330 | -.1286 | .1700 | .2151 | |
| 101.400 | -.3552 | -.4259 | -.4797 | -.3012 | | .2178 | |
| 115.600 | -.4205 | -.5281 | -.5311 | -.3021 | | .2178 | |
| 133.800 | -.4266 | -.4489 | -.4889 | -.2030 | | .2206 | |
| 149.100 | -.4489 | -.4766 | -.4481 | -.2112 | | .2197 | |
| 180.000 | -.4090 | -.3144 | -.4554 | -.2920 | .1930 | .2188 | .2353 |

OA172 TAILCONE PRESSURES GEAR ON (CFG041)

ALPHA ( 1) = 10.830 BETA ( 6) = 1.000 Q(PSF) = 61.128 PO = 2118.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2392 | -.2384 | -.1954 | -.0423 | .1664 | .1535 | .2363 |
| 44.800 | -.2177 | -.2192 | -.1493 | -.0836 | .1719 | .2179 | |
| 50.100 | -.1931 | -.2784 | -.2153 | -.1130 | .1746 | .2179 | |
| 101.400 | -.3567 | -.4221 | -.4666 | -.2829 | | .2188 | |
| 115.600 | -.4159 | -.5143 | -.5128 | -.2819 | | .2206 | |
| 133.800 | -.4313 | -.4497 | -.4958 | -.2002 | | .2188 | |
| 149.100 | -.4567 | -.4874 | -.4559 | -.2112 | | .2188 | |
| 180.000 | -.3990 | -.3306 | -.4536 | -.2856 | .1949 | .2188 | .2363 |

ALPHA ( 1) = 10.830 BETA ( 7) = 1.980 Q(PSF) = 61.128 PO = 2118.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2418 | -.2403 | -.1973 | -.0404 | .1679 | .1596 | .2432 |
| 44.800 | -.2188 | -.2119 | -.1429 | -.0798 | .1789 | .2248 | |
| 50.100 | -.1904 | -.2679 | -.2058 | -.1018 | .1798 | .2239 | |
| 101.400 | -.3554 | -.4175 | -.4543 | -.2677 | | .2212 | |
| 115.600 | -.4060 | -.4958 | -.4942 | -.2659 | | .2239 | |
| 133.800 | -.4352 | -.4528 | -.5057 | -.1981 | | .2239 | |
| 149.100 | -.4620 | -.4904 | -.4628 | -.2109 | | .2239 | |
| 180.000 | -.3853 | -.3416 | -.4584 | -.2970 | .1973 | .2248 | .2432 |

ALPHA ( 1) = 10.830 BETA ( 8) = 5.980 Q(PSF) = 61.128 PO = 2118.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2495 | -.2480 | -.2065 | -.0615 | .1707 | .1642 | .2588 |
| 44.800 | -.2173 | -.1828 | -.1214 | -.0661 | .1945 | .2359 | |
| 50.100 | -.1889 | -.2050 | -.1337 | -.0697 | .1982 | .2368 | |
| 101.400 | -.3523 | -.3991 | -.4152 | -.2091 | | .2368 | |
| 115.600 | -.4321 | -.5219 | -.4904 | -.2210 | | .2423 | |
| 133.800 | -.4628 | -.4774 | -.5211 | -.1724 | | .2368 | |
| 149.100 | -.4950 | -.5180 | -.4843 | -.2072 | | .2377 | |
| 180.000 | -.4068 | -.3853 | -.3997 | -.2384 | .2000 | .2377 | .2588 |

0A172 TAILCONE PRESSURES GEAR ON (CFG041)

ALPHA ( 1) = 10.840 BETA ( 9) = 9.980 Q(PSF) = 61.128 PO = 2118.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2591 | -.2591 | -.2191 | -.0781 | .1516 | .1663 | .2721 |
| 44.800 | -.2199 | -.1623 | -.1024 | -.0331 | .1847 | .2399 | |
| 50.100 | -.1876 | -.1692 | -.0924 | -.0340 | .1884 | .2426 | |
| 101.400 | -.3528 | -.3982 | -.3889 | -.1681 | | .2555 | |
| 115.600 | -.4512 | -.5142 | -.4543 | -.1708 | | .2509 | |
| 133.800 | -.4965 | -.4980 | -.5080 | -.1451 | | .2270 | |
| 149.100 | -.5326 | -.5372 | -.4612 | -.1561 | | .2197 | |
| 180.000 | -.5080 | -.4350 | -.4113 | -.2415 | .1939 | .2105 | .2721 |

OA172 TAILCONE PRESSURES GEAR ON (CFG042) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 55.000 BDFLAP = -11.700
H/BW = .125

ALPHA ( 1) = 10.850 BETA ( 1) = -9.960 Q(PSF) = 61.098 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2150 | -.2134 | -.2011 | -.0920 | .1464 | .1491 | .2441 |
| 44.800 | -.2165 | -.2565 | -.2042 | -.1528 | .1086 | .1989 | |
| 50.100 | -.1926 | -.3505 | -.2820 | -.1960 | .0948 | .1980 | |
| 101.400 | -.3151 | -.4167 | -.5353 | -.4168 | | .2542 | |
| 115.600 | -.4344 | -.5899 | -.6507 | -.5226 | | .2496 | |
| 133.800 | -.4413 | -.4983 | -.6492 | -.3699 | | .2155 | |
| 149.100 | -.4167 | -.5045 | -.5784 | -.3413 | | .2054 | |
| 180.000 | -.5329 | -.5045 | -.5915 | -.3137 | .1676 | .2044 | .2441 |

ALPHA ( 1) = 10.840 BETA ( 2) = -5.960 Q(PSF) = 61.098 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2112 | -.2120 | -.1935 | -.0829 | .1520 | .1427 | .2405 |
| 44.800 | -.2096 | -.2605 | -.2004 | -.1464 | .1197 | .1898 | |
| 50.100 | -.1927 | -.3675 | -.2636 | -.1859 | .1142 | .1916 | |
| 101.400 | -.3437 | -.4368 | -.5362 | -.3948 | | .2110 | |
| 115.600 | -.4361 | -.5809 | -.6255 | -.4601 | | .2146 | |
| 133.800 | -.4330 | -.4861 | -.6217 | -.3276 | | .2156 | |
| 149.100 | -.4083 | -.4854 | -.5678 | -.3276 | | .2174 | |
| 180.000 | -.4076 | -.4276 | -.5678 | -.3433 | .1851 | .2193 | .2405 |

ALPHA ( 1) = 10.830 BETA ( 3) = -1.990 Q(PSF) = 61.098 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2307 | -.2300 | -.1938 | -.0588 | .1489 | .1388 | .2271 |
| 44.800 | -.2169 | -.2515 | -.1846 | -.1167 | .1406 | .1958 | |
| 50.100 | -.1954 | -.3522 | -.2522 | -.1663 | .1415 | .1940 | |
| 101.400 | -.3583 | -.4398 | -.5112 | -.3499 | | .2078 | |
| 115.600 | -.4252 | -.5504 | -.5766 | -.3747 | | .2105 | |
| 133.800 | -.4159 | -.4574 | -.5558 | -.2709 | | .2124 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG042)

ALPHA ( 1) = 10.830 BETA ( 3) = -1.990

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4052 | -.4651 | -.5451 | -.3242 | | .2133 | |
| 180.000 | -.3314 | -.3960 | -.6281 | -.4197 | .1866 | .2133 | .2271 |

ALPHA ( 1) = 10.830 BETA ( 4) = -1.000 Q(PSF) = 61.098 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2329 | -.2314 | -.1937 | -.0514 | .1470 | .1341 | .2187 |
| 44.800 | -.2168 | -.2467 | -.1776 | -.1139 | .1451 | .1948 | |
| 50.100 | -.1930 | -.3381 | -.2483 | -.1561 | .1460 | .1966 | |
| 101.400 | -.3612 | -.4372 | -.5032 | -.3368 | | .2058 | |
| 115.600 | -.4226 | -.5417 | -.5616 | -.3515 | | .2076 | |
| 133.800 | -.4149 | -.4549 | -.5401 | -.2653 | | .2113 | |
| 149.100 | -.4072 | -.4702 | -.5509 | -.3157 | | .2095 | |
| 180.000 | -.3028 | -.3650 | -.6131 | -.3846 | .1865 | .2104 | .2187 |

ALPHA ( 1) = 10.820 BETA ( 5) = .010 Q(PSF) = 61.098 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2354 | -.2346 | -.1931 | -.0497 | .1471 | .1379 | .2207 |
| 44.800 | -.2154 | -.2369 | -.1677 | -.1048 | .1508 | .1977 | |
| 50.100 | -.1900 | -.3215 | -.2415 | -.1406 | .1544 | .1995 | |
| 101.400 | -.3614 | -.4352 | -.4952 | -.3233 | | .2078 | |
| 115.600 | -.4199 | -.5336 | -.5467 | -.3334 | | .2087 | |
| 133.800 | -.4176 | -.4552 | -.5429 | -.2682 | | .2124 | |
| 149.100 | -.4145 | -.4829 | -.5698 | -.3325 | | .2124 | |
| 180.000 | -.2946 | -.3522 | -.6255 | -.4262 | .1885 | .2124 | .2207 |

OA172 TAILCONE PRESSURES GEAR ON (CFG042)

ALPHA ( 1) = 10.820 BETA ( 6) = 1.000 Q(PSF) = 61.098 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2385 | -.2377 | -.1962 | -.0570 | .1462 | .1379 | .2189 |
| 44.800 | -.2170 | -.2239 | -.1570 | -.0956 | .1535 | .2005 | |
| 50.100 | -.1878 | -.2892 | -.2270 | -.1268 | .1554 | .1995 | |
| 101.400 | -.3623 | -.4315 | -.4830 | -.3050 | | .2078 | |
| 115.600 | -.4153 | -.5160 | -.5291 | -.3114 | | .2069 | |
| 133.800 | -.4222 | -.4576 | -.5522 | -.2628 | | .2097 | |
| 149.100 | -.4245 | -.4907 | -.5783 | -.3298 | | .2115 | |
| 180.000 | -.2954 | -.3707 | -.6192 | -.4125 | .1867 | .2133 | .2189 |

ALPHA ( 1) = 10.820 BETA ( 7) = 1.990 Q(PSF) = 61.098 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2424 | -.2416 | -.1970 | -.0552 | .1535 | .1453 | .2308 |
| 44.800 | -.2178 | -.2178 | -.1509 | -.0928 | .1609 | .2097 | |
| 50.100 | -.1847 | -.2762 | -.2162 | -.1176 | .1646 | .2097 | |
| 101.400 | -.3631 | -.4277 | -.4715 | -.2922 | | .2152 | |
| 115.600 | -.4092 | -.4992 | -.5130 | -.2995 | | .2161 | |
| 133.800 | -.4284 | -.4646 | -.5660 | -.2637 | | .2189 | |
| 149.100 | -.4300 | -.4984 | -.5876 | -.3427 | | .2207 | |
| 180.000 | -.3069 | -.3838 | -.6284 | -.4456 | .1931 | .2207 | .2308 |

ALPHA ( 1) = 10.820 BETA ( 8) = 5.980 Q(PSF) = 61.098 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2510 | -.2494 | -.2080 | -.0734 | .1532 | .1486 | .2422 |
| 44.800 | -.2180 | -.1888 | -.1290 | -.0770 | .1770 | .2174 | |
| 50.100 | -.1850 | -.2126 | -.1428 | -.0816 | .1789 | .2165 | |
| 101.400 | -.3583 | -.4097 | -.4319 | -.2319 | | .2266 | |
| 115.600 | -.4404 | -.5347 | -.5140 | -.2530 | | .2284 | |
| 133.800 | -.4634 | -.4956 | -.5761 | -.2291 | | .2284 | |
| 149.100 | -.4780 | -.5432 | -.6106 | -.3034 | | .2284 | |
| 180.000 | -.4036 | -.4435 | -.5590 | -.3419 | .1880 | .2284 | .2422 |

OA172 TAILCONE PRESSURES GEAR ON (CFG042)

ALPHA ( 1) = 10.840 BETA ( 9) = 9.980 Q(PSF) = 61.099 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2633 | -.2625 | -.2218 | -.0865 | .1454 | .1555 | .2540 |
| 44.800 | -.2241 | -.1679 | -.1079 | -.0433 | .1785 | .2310 | |
| 50.100 | -.1825 | -.1710 | -.0987 | -.0442 | .1813 | .2310 | |
| 101.400 | -.3618 | -.4087 | -.4041 | -.1885 | | .2457 | |
| 115.600 | -.4618 | -.5295 | -.4795 | -.2041 | | .2439 | |
| 133.800 | -.5103 | -.5264 | -.5641 | -.1931 | | .2190 | |
| 149.100 | -.5372 | -.5772 | -.5841 | -.2005 | | .2117 | |
| 180.000 | -.5134 | -.5080 | -.5737 | -.3365 | .1859 | .2052 | .2540 |

0A172 TAILCONE PRESSURES GEAR ON (CFG043) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700
H/BW = .125

ALPHA ( 1) = 10.840 BETA ( 1) = -9.960 Q(PSF) = 61.157 PO = 2118.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2142 | -.2142 | -.2035 | -.1077 | .1224 | .1252 | .2294 |
| 44.800 | -.2158 | -.2643 | -.2135 | -.1675 | .0911 | .1796 | |
| 50.100 | -.1919 | -.3629 | -.2966 | -.2108 | .0782 | .1814 | |
| 101.400 | -.3221 | -.4276 | -.5500 | -.4362 | | .2450 | |
| 115.600 | -.4260 | -.5870 | -.6624 | -.5420 | | .2414 | |
| 133.800 | -.4098 | -.4830 | -.6771 | -.4205 | | .2017 | |
| 149.100 | -.3598 | -.4815 | -.6501 | -.4454 | | .1888 | |
| 180.000 | -.5030 | -.5261 | -.7278 | -.4877 | .1464 | .1860 | .2294 |

ALPHA ( 1) = 10.820 BETA ( 2) = -5.950 Q(PSF) = 61.157 PO = 2118.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2110 | -.2110 | -.1964 | -.0975 | .1196 | .0947 | .1712 |
| 44.800 | -.2072 | -.2680 | -.2095 | -.1628 | .0920 | .1491 | |
| 50.100 | -.1941 | -.3819 | -.2787 | -.2005 | .0855 | .1564 | |
| 101.400 | -.3518 | -.4503 | -.5527 | -.4166 | | .2228 | |
| 115.600 | -.4303 | -.5789 | -.6381 | -.4818 | | .2182 | |
| 133.800 | -.4049 | -.4695 | -.6504 | -.3816 | | .1832 | |
| 149.100 | -.3518 | -.4634 | -.6427 | -.4432 | | .1804 | |
| 180.000 | -.3534 | -.4203 | -.6666 | -.4984 | .1389 | .1813 | .1712 |

ALPHA ( 1) = 10.810 BETA ( 3) = -2.000 Q(PSF) = 61.157 PO = 2118.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2297 | -.2297 | -.1967 | -.0753 | .1166 | .1046 | .1818 |
| 44.800 | -.2136 | -.2620 | -.1952 | -.1368 | .1055 | .1616 | |
| 50.100 | -.1944 | -.3641 | -.2681 | -.1872 | .1010 | .1616 | |
| 101.400 | -.3641 | -.4493 | -.5292 | -.3753 | | .2002 | |
| 115.600 | -.4194 | -.5469 | -.5876 | -.3918 | | .1984 | |
| 133.800 | -.3887 | -.4478 | -.5822 | -.3285 | | .1873 | |

0A172 TAILCONE PRESSURES GEAR ON (CF0043)

ALPHA ( 1) = 10.810 BETA ( 3) = -2.000

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.3503 | -.4432 | -.6267 | -.4331 | | .1837 | |
| 180.000 | -.2797 | -.3971 | -.6991 | -.4597 | .1377 | .1791 | .1818 |

ALPHA ( 1) = 10.810 BETA ( 4) = -1.010 Q(PSF) = 61.157 PO = 2118.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2307 | -.2315 | -.1954 | -.0708 | .1185 | .1066 | .1783 |
| 44.800 | -.2123 | -.2538 | -.1869 | -.1295 | .1158 | .1700 | |
| 50.100 | -.1923 | -.3521 | -.2645 | -.1736 | .1176 | .1719 | |
| 101.400 | -.3667 | -.4482 | -.5204 | -.3627 | | .2068 | |
| 115.600 | -.4174 | -.5396 | -.5727 | -.3710 | | .2040 | |
| 133.800 | -.3913 | -.4466 | -.5780 | -.3223 | | .1875 | |
| 149.100 | -.3575 | -.4520 | -.6357 | -.4242 | | .1792 | |
| 180.000 | -.2246 | -.3721 | -.6969 | -.4536 | .1470 | .1765 | .1783 |

ALPHA ( 1) = 10.810 BETA ( 5) = .000 Q(PSF) = 61.157 PO = 2118.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2336 | -.2329 | -.1929 | -.0670 | .1240 | .1230 | .2039 |
| 44.800 | -.2129 | -.2436 | -.1791 | -.1203 | .1240 | .1855 | |
| 50.100 | -.1914 | -.3319 | -.2582 | -.1616 | .1267 | .1855 | |
| 101.400 | -.3680 | -.4464 | -.5132 | -.3497 | | .2058 | |
| 115.600 | -.4156 | -.5308 | -.5600 | -.3597 | | .2021 | |
| 133.800 | -.3980 | -.4494 | -.5900 | -.3386 | | .1993 | |
| 149.100 | -.3573 | -.4648 | -.6637 | -.4754 | | .1984 | |
| 180.000 | -.2052 | -.3458 | -.7167 | -.5983 | .1727 | .1966 | .2039 |

OA172 TAILCONE PRESSURES GEAR ON (CFG043)

ALPHA ( 1) = 10.810 BETA ( 6) = 1.000 Q(PSF) = 61.157 PO = 2118.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2375 | -.2367 | -.1960 | -.0680 | .1212 | .1203 | .1948 |
| 44.800 | -.2129 | -.2314 | -.1668 | -.1129 | .1240 | .1810 | |
| 50.100 | -.1884 | -.3020 | -.2444 | -.1423 | .1240 | .1773 | |
| 101.400 | -.3704 | -.4434 | -.5017 | -.3323 | | .1874 | |
| 115.600 | -.4096 | -.5102 | -.5432 | -.3442 | | .1837 | |
| 133.800 | -.4027 | -.4564 | -.6047 | -.3369 | | .1883 | |
| 149.100 | -.3742 | -.4741 | -.6761 | -.4828 | | .1893 | |
| 180.000 | -.2091 | -.3666 | -.7012 | -.5112 | .1626 | .1902 | .1948 |

ALPHA ( 1) = 10.810 BETA ( 7) = 1.990 Q(PSF) = 61.157 PO = 2118.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2392 | -.2385 | -.1963 | -.0715 | .1237 | .1209 | .1998 |
| 44.800 | -.2139 | -.2270 | -.1611 | -.1108 | .1273 | .1796 | |
| 50.100 | -.1848 | -.2890 | -.2346 | -.1346 | .1283 | .1796 | |
| 101.400 | -.3695 | -.4369 | -.4898 | -.3186 | | .1860 | |
| 115.600 | -.4063 | -.4997 | -.5289 | -.3306 | | .1943 | |
| 133.800 | -.4093 | -.4607 | -.6147 | -.3360 | | .1915 | |
| 149.100 | -.3779 | -.4783 | -.6829 | -.4917 | | .1925 | |
| 180.000 | -.2316 | -.3764 | -.7114 | -.5796 | .1558 | .1943 | .1998 |

ALPHA ( 1) = 10.810 BETA ( 8) = 5.980 Q(PSF) = 61.157 PO = 2118.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2494 | -.2479 | -.2088 | -.0880 | .1201 | .1091 | .1945 |
| 44.800 | -.2157 | -.1934 | -.1367 | -.0926 | .1449 | .1715 | |
| 50.100 | -.1835 | -.2211 | -.1559 | -.0972 | .1449 | .1770 | |
| 101.400 | -.3668 | -.4251 | -.4565 | -.2658 | | .1513 | |
| 115.600 | -.4504 | -.5470 | -.5462 | -.2970 | | .1734 | |
| 133.800 | -.4573 | -.5056 | -.6421 | -.3190 | | .1844 | |
| 149.100 | -.4366 | -.5401 | -.7303 | -.4821 | | .1871 | |
| 180.000 | -.3499 | -.4327 | -.6543 | -.4903 | .1522 | .1881 | .1945 |

0A172 TAILCONE PRESSURES GEAR ON (CFG043)

ALPHA ( 1) = 10.820 BETA ( 9) = 9.970 Q(PSF) = 61.157 PO = 2118.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2642 | -.2626 | -.2227 | -.0991 | .1239 | .1358 | .2359 |
| 44.800 | -.2227 | -.1721 | -.1160 | -.0542 | .1569 | .2084 | |
| 50.100 | -.1820 | -.1797 | -.1091 | -.0551 | .1597 | .2102 | |
| 101.400 | -.3708 | -.4230 | -.4268 | -.2229 | | .2341 | |
| 115.600 | -.4767 | -.5489 | -.5128 | -.2513 | | .2313 | |
| 133.800 | -.5136 | -.5466 | -.6325 | -.2843 | | .2120 | |
| 149.100 | -.5066 | -.5857 | -.7169 | -.3448 | | .2010 | |
| 180.000 | -.4760 | -.5166 | -.6923 | -.4970 | .1725 | .1954 | .2359 |

0A172 TAILCONE PRESSURES GEAR ON (CFG044) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = 10.000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

ALPHA ( 1) = 1.140 BETA ( 1) = -9.970 Q(PSF) = 61.126 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2641 | -.2641 | -.2310 | -.0920 | .1141 | .0947 | .1592 |
| 44.800 | -.2626 | -.3226 | -.2933 | -.2253 | .1095 | .1481 | |
| 50.100 | -.2218 | -.4442 | -.3357 | -.2511 | .1095 | .1491 | |
| 101.400 | -.3595 | -.4542 | -.5411 | -.3779 | | .1583 | |
| 115.600 | -.3765 | -.5104 | -.5565 | -.3678 | | .1601 | |
| 133.800 | -.3611 | -.4072 | -.5427 | -.2759 | | .1491 | |
| 149.100 | -.3588 | -.4072 | -.4280 | -.2713 | | .1472 | |
| 180.000 | -.5588 | -.4365 | -.4809 | -.3715 | .1500 | .1417 | .1592 |

ALPHA ( 1) = 1.140 BETA ( 2) = -5.950 Q(PSF) = 61.126 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2641 | -.2625 | -.2164 | -.0754 | .1260 | .0956 | .1619 |
| 44.800 | -.2495 | -.2987 | -.2441 | -.1573 | .1177 | .1527 | |
| 50.100 | -.2164 | -.4072 | -.3118 | -.2170 | .1177 | .1500 | |
| 101.400 | -.3764 | -.4603 | -.5211 | -.3384 | | .1537 | |
| 115.600 | -.3949 | -.5149 | -.5380 | -.3181 | | .1573 | |
| 133.800 | -.3749 | -.4133 | -.5287 | -.2492 | | .1546 | |
| 149.100 | -.3726 | -.4118 | -.4318 | -.2685 | | .1518 | |
| 180.000 | -.5211 | -.4126 | -.4781 | -.3751 | .1509 | .1500 | .1619 |

ALPHA ( 1) = 1.130 BETA ( 3) = -2.000 Q(PSF) = 61.126 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2546 | -.2554 | -.2039 | -.0662 | .1360 | .1204 | .1959 |
| 44.800 | -.2331 | -.2861 | -.2216 | -.1397 | .1370 | .1821 | |
| 50.100 | -.2116 | -.4153 | -.3015 | -.1975 | .1406 | .1802 | |
| 101.400 | -.3876 | -.4584 | -.4999 | -.3068 | | .1830 | |
| 115.600 | -.4153 | -.5183 | -.5183 | -.2765 | | .1876 | |
| 133.800 | -.3984 | -.4314 | -.5283 | -.2370 | | .1876 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG044)

ALPHA ( 1) = 1.130 BETA ( 3) = -2.000

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.3984 | -.4330 | -.4530 | -.2830 | | .1876 | |
| 180.000 | -.4730 | -.3730 | -.4465 | -.3528 | .1646 | .1876 | .1959 |

ALPHA ( 1) = 1.130 BETA ( 4) = -1.000 Q(PSF) = 61.126 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2550 | -.2558 | -.2021 | -.0643 | .1349 | .1193 | .1947 |
| 44.800 | -.2320 | -.2011 | -.2151 | -.1312 | .1405 | .1790 | |
| 50.100 | -.2074 | -.4078 | -.2934 | -.1863 | .1423 | .1800 | |
| 101.400 | -.3863 | -.4554 | -.4915 | -.2936 | | .1790 | |
| 115.600 | -.4186 | -.5176 | -.5107 | -.2651 | | .1855 | |
| 133.800 | -.4040 | -.4347 | -.5253 | -.2330 | | .1846 | |
| 149.100 | -.4047 | -.4378 | -.4554 | -.2862 | | .1864 | |
| 180.000 | -.4546 | -.3664 | -.4449 | -.3477 | .1570 | .1864 | .1947 |

ALPHA ( 1) = 1.130 BETA ( 5) = .000 Q(PSF) = 61.126 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2556 | -.2556 | -.2027 | -.0661 | .1349 | .1146 | .1890 |
| 44.800 | -.2303 | -.2779 | -.2096 | -.1256 | .1413 | .1753 | |
| 50.100 | -.2035 | -.3999 | -.2856 | -.1816 | .1422 | .1771 | |
| 101.400 | -.3853 | -.4490 | -.4797 | -.2806 | | .1771 | |
| 115.600 | -.4198 | -.5104 | -.5012 | -.2521 | | .1826 | |
| 133.800 | -.4083 | -.4375 | -.5226 | -.2292 | | .1826 | |
| 149.100 | -.4106 | -.4436 | -.4620 | -.2906 | | .1826 | |
| 180.000 | -.4367 | -.3531 | -.4428 | -.3411 | .1505 | .1835 | .1890 |

0A172 TAILCONE PRESSURES GEAR ON (CFG044)

ALPHA ( 1) = 1.130 BETA ( 6) = .990 Q(PSF) = 61.126 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2575 | -.2567 | -.2022 | -.0643 | .1350 | .1129 | .1846 |
| 44.800 | -.2291 | -.2736 | -.2045 | -.1203 | .1424 | .1745 | |
| 50.100 | -.1999 | -.3973 | -.2782 | -.1707 | .1433 | .1745 | |
| 101.400 | -.3827 | -.4441 | -.4679 | -.2662 | | .1745 | |
| 115.600 | -.4226 | -.5102 | -.4940 | -.2405 | | .1810 | |
| 133.800 | -.4172 | -.4456 | -.5286 | -.2286 | | .1791 | |
| 149.100 | -.4211 | -.4518 | -.4718 | -.2983 | | .1782 | |
| 180.000 | -.4403 | -.3466 | -.4378 | -.3405 | .1470 | .1791 | .1846 |

ALPHA ( 1) = 1.130 BETA ( 7) = 1.970 Q(PSF) = 61.126 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2557 | -.2557 | -.2020 | -.0624 | .1331 | .1129 | .1836 |
| 44.800 | -.2258 | -.2696 | -.1990 | -.1119 | .1377 | .1735 | |
| 50.100 | -.1959 | -.3832 | -.2703 | -.1642 | .1386 | .1735 | |
| 101.400 | -.3816 | -.4384 | -.4568 | -.2541 | | .1744 | |
| 115.600 | -.4307 | -.5152 | -.4914 | -.2321 | | .1818 | |
| 133.800 | -.4269 | -.4522 | -.5305 | -.2266 | | .1790 | |
| 149.100 | -.4300 | -.4599 | -.4799 | -.3045 | | .1781 | |
| 180.000 | -.4446 | -.3532 | -.4366 | -.3394 | .1450 | .1781 | .1836 |

ALPHA ( 1) = 1.140 BETA ( 8) = 5.980 Q(PSF) = 61.126 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2550 | -.2550 | -.2012 | -.0661 | .1202 | .0954 | .1468 |
| 44.800 | -.2220 | -.2496 | -.1774 | -.0899 | .1257 | .1551 | |
| 50.100 | -.1905 | -.3424 | -.2480 | -.1367 | .1257 | .1579 | |
| 101.400 | -.3754 | -.4207 | -.4169 | -.2183 | | .1643 | |
| 115.600 | -.4483 | -.5074 | -.4575 | -.1935 | | .1680 | |
| 133.800 | -.4629 | -.4806 | -.5374 | -.2229 | | .1597 | |
| 149.100 | -.4744 | -.4967 | -.5182 | -.3366 | | .1514 | |
| 180.000 | -.4399 | -.3501 | -.4383 | -.3439 | .1413 | .1432 | .1468 |

0A172 TAILCONE PRESSURES GEAR ON (CFG044)

ALPHA ( 1) = 1.140 BETA ( 9) = 10.000 Q(PSF) = 61.126 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2614 | -.2606 | -.2136 | -.0875 | .1022 | .0930 | .1557 |
| 44.800 | -.2198 | -.2082 | -.1404 | -.0765 | .1198 | .1566 | |
| 50.100 | -.1882 | -.2645 | -.1951 | -.0838 | .1234 | .1594 | |
| 101.400 | -.3639 | -.3862 | -.3438 | -.1584 | | .1779 | |
| 115.600 | -.4478 | -.4833 | -.3970 | -.1400 | | .1751 | |
| 133.800 | -.5010 | -.5079 | -.5318 | -.1823 | | .1437 | |
| 149.100 | -.5210 | -.5364 | -.5511 | -.3490 | | .1317 | |
| 180.000 | -.4625 | -.3654 | -.4328 | -.3453 | .1419 | .1253 | .1557 |

ALPHA ( 2) = 10.830 BETA ( 1) = -9.980 Q(PSF) = 61.056 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2130 | -.2122 | -.1960 | -.0830 | .1577 | .1642 | .2685 |
| 44.800 | -.2138 | -.2539 | -.2007 | -.1456 | .1180 | .2122 | |
| 50.100 | -.1968 | -.3464 | -.2770 | -.1908 | .1051 | .2066 | |
| 101.400 | -.2994 | -.3981 | -.5076 | -.3889 | | .2371 | |
| 115.600 | -.4166 | -.5608 | -.6032 | -.4598 | | .2408 | |
| 133.800 | -.4220 | -.4567 | -.5523 | -.2746 | | .1872 | |
| 149.100 | -.3904 | -.4220 | -.3896 | -.2138 | | .1734 | |
| 180.000 | -.5276 | -.3965 | -.3898 | -.2627 | .1909 | .1826 | .2685 |

ALPHA ( 2) = 10.820 BETA ( 2) = -5.980 Q(PSF) = 61.056 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2108 | -.2093 | -.1884 | -.0710 | .1707 | .1661 | .2686 |
| 44.800 | -.2085 | -.2556 | -.1946 | -.1356 | .1347 | .2197 | |
| 50.100 | -.1992 | -.3597 | -.2556 | -.1725 | .1292 | .2169 | |
| 101.400 | -.3250 | -.4176 | -.5064 | -.3642 | | .2418 | |
| 115.600 | -.4168 | -.5511 | -.5773 | -.3974 | | .2345 | |
| 133.800 | -.4138 | -.4439 | -.5241 | -.2324 | | .2261 | |
| 149.100 | -.3914 | -.4153 | -.3790 | -.1946 | | .2308 | |
| 180.000 | -.4307 | -.3405 | -.3532 | -.2407 | .2077 | .2400 | .2686 |

0A172 TAILCONE PRESSURES GEAR ON (CFG044)

ALPHA ( 2) = 10.810 BETA ( 3) = -2.010 Q(PSF) = 61.056 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2280 | -.2272 | -.1834 | -.0442 | .1694 | .1574 | .2495 |
| 44.800 | -.2149 | -.2457 | -.1780 | -.1040 | .1565 | .2145 | |
| 50.100 | -.2018 | -.3389 | -.2396 | -.1555 | .1574 | .2155 | |
| 101.400 | -.3381 | -.4158 | -.4805 | -.3155 | | .2182 | |
| 115.600 | -.4043 | -.5174 | -.5259 | -.3109 | | .2210 | |
| 133.800 | -.3951 | -.4158 | -.4620 | -.1739 | | .2191 | |
| 149.100 | -.3827 | -.3897 | -.3535 | -.1858 | | .2191 | |
| 180.000 | -.4890 | -.3312 | -.3946 | -.2852 | .1897 | .2201 | .2495 |

ALPHA ( 2) = 10.810 BETA ( 4) = -1.000 Q(PSF) = 61.056 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2308 | -.2285 | -.1839 | -.0405 | .1655 | .1517 | .2418 |
| 44.800 | -.2139 | -.2400 | -.1693 | -.0974 | .1627 | .2115 | |
| 50.100 | -.2016 | -.3276 | -.2377 | -.1433 | .1655 | .2115 | |
| 101.400 | -.3399 | -.4145 | -.4706 | -.3031 | | .2142 | |
| 115.600 | -.4014 | -.5106 | -.5136 | -.2903 | | .2179 | |
| 133.800 | -.3899 | -.4099 | -.4460 | -.1746 | | .2207 | |
| 149.100 | -.3883 | -.3991 | -.3645 | -.1902 | | .2216 | |
| 180.000 | -.4621 | -.3122 | -.4005 | -.2838 | .1921 | .2243 | .2418 |

ALPHA ( 2) = 10.810 BETA ( 5) = .000 Q(PSF) = 61.056 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2330 | -.2323 | -.1839 | -.0395 | .1636 | .1507 | .2363 |
| 44.800 | -.2146 | -.2323 | -.1616 | -.0910 | .1654 | .2124 | |
| 50.100 | -.2023 | -.3153 | -.2315 | -.1286 | .1700 | .2105 | |
| 101.400 | -.3414 | -.4137 | -.4644 | -.2902 | | .2114 | |
| 115.600 | -.3998 | -.5020 | -.5005 | -.2737 | | .2151 | |
| 133.800 | -.3937 | -.4090 | -.4421 | -.1791 | | .2170 | |
| 149.100 | -.3975 | -.4098 | -.3783 | -.1966 | | .2188 | |
| 180.000 | -.4790 | -.2922 | -.4023 | -.2893 | .1903 | .2206 | .2363 |

0A172 TAILCONE PRESSURES GEAR ON (CFG044)

ALPHA ( 2) = 10.810 BETA ( 6) = 1.010 Q(PSF) = 61.056 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2335 | -.2320 | -.1829 | -.0395 | .1643 | .1524 | .2360 |
| 44.800 | -.2113 | -.2159 | -.1499 | -.0817 | .1689 | .2140 | |
| 50.100 | -.2013 | -.2811 | -.2174 | -.1120 | .1726 | .2140 | |
| 101.400 | -.3403 | -.4070 | -.4516 | -.2716 | | .2112 | |
| 115.600 | -.3932 | -.4892 | -.4823 | -.2532 | | .2121 | |
| 133.800 | -.3932 | -.4093 | -.4447 | -.1780 | | .2140 | |
| 149.100 | -.4040 | -.4178 | -.3863 | -.1991 | | .2167 | |
| 180.000 | -.4692 | -.2950 | -.3871 | -.2844 | .1910 | .2176 | .2360 |

ALPHA ( 2) = 10.810 BETA ( 7) = 1.980 Q(PSF) = 61.056 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2368 | -.2360 | -.1853 | -.0423 | .1700 | .1590 | .2408 |
| 44.800 | -.2138 | -.2122 | -.1431 | -.0772 | .1764 | .2215 | |
| 50.100 | -.2007 | -.2676 | -.2045 | -.1001 | .1820 | .2215 | |
| 101.400 | -.3405 | -.4043 | -.4404 | -.2562 | | .2169 | |
| 115.600 | -.3851 | -.4696 | -.4650 | -.2378 | | .2197 | |
| 133.800 | -.3974 | -.4128 | -.4581 | -.1745 | | .2215 | |
| 149.100 | -.4097 | -.4220 | -.3913 | -.2011 | | .2215 | |
| 180.000 | -.4512 | -.2991 | -.3884 | -.2863 | .1967 | .2224 | .2408 |

ALPHA ( 2) = 10.810 BETA ( 8) = 5.970 Q(PSF) = 61.056 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2424 | -.2408 | -.1939 | -.0589 | .1674 | .1563 | .2465 |
| 44.800 | -.2093 | -.1793 | -.1201 | -.0662 | .1895 | .2244 | |
| 50.100 | -.2024 | -.2055 | -.1332 | -.0680 | .1904 | .2235 | |
| 101.400 | -.3377 | -.3877 | -.4000 | -.2013 | | .2253 | |
| 115.600 | -.4100 | -.4923 | -.4623 | -.2003 | | .2281 | |
| 133.800 | -.4246 | -.4361 | -.4761 | -.1590 | | .2299 | |
| 149.100 | -.4338 | -.4454 | -.4223 | -.2178 | | .2299 | |
| 180.000 | -.3877 | -.3454 | -.3593 | -.2380 | .1904 | .2299 | .2465 |

OA172 TAILCONE PRESSURES GEAR ON (CFG044)

ALPHA ( 2) = 10.810 BETA ( 9) = 9.970 Q(PSF) = 61.056 PO = 2120.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2510 | -.2494 | -.2056 | -.0763 | .1444 | .1509 | .2522 |
| 44.800 | -.2110 | -.1586 | -.1002 | -.0304 | .1693 | .2181 | |
| 50.100 | -.2063 | -.1686 | -.0917 | -.0341 | .1720 | .2172 | |
| 101.400 | -.3394 | -.3848 | -.3756 | -.1628 | | .2337 | |
| 115.600 | -.4302 | -.4879 | -.4333 | -.1600 | | .2310 | |
| 133.800 | -.4556 | -.4579 | -.4702 | -.1490 | | .2264 | |
| 149.100 | -.4725 | -.4679 | -.4194 | -.1949 | | .2264 | |
| 180.000 | -.4810 | -.3556 | -.3420 | -.2317 | .1748 | .2245 | .2522 |

ALPHA ( 3) = 21.680 BETA ( 1) = -9.980 Q(PSF) = 61.460 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2378 | -.2324 | -.1873 | -.0156 | .1736 | .1855 | .3025 |
| 44.800 | -.2271 | -.1400 | -.1071 | -.0649 | .1434 | .2641 | |
| 50.100 | -.2118 | -.1629 | -.0590 | -.0722 | .1297 | .2614 | |
| 101.400 | -.3371 | -.4265 | -.5143 | -.3405 | | .2897 | |
| 115.600 | -.4227 | -.5724 | -.6649 | -.4948 | | .2879 | |
| 133.800 | -.5212 | -.5533 | -.6633 | -.3579 | | .2705 | |
| 149.100 | -.4593 | -.4838 | -.4318 | -.2347 | | .2641 | |
| 180.000 | -.4807 | -.3738 | -.3643 | -.2383 | .2312 | .2623 | .3025 |

ALPHA ( 3) = 21.700 BETA ( 2) = -5.960 Q(PSF) = 61.460 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2512 | -.2473 | -.1938 | -.0183 | .1409 | .1446 | .2774 |
| 44.800 | -.2374 | -.1410 | -.1004 | -.0476 | .1235 | .2160 | |
| 50.100 | -.2160 | -.1555 | -.0660 | -.0577 | .1171 | .2133 | |
| 101.400 | -.3545 | -.4402 | -.5136 | -.3073 | | .2618 | |
| 115.600 | -.4601 | -.6100 | -.6468 | -.4170 | | .2618 | |
| 133.800 | -.4830 | -.5121 | -.5917 | -.2551 | | .2591 | |
| 149.100 | -.3965 | -.4096 | -.3698 | -.2021 | | .2545 | |
| 180.000 | -.4769 | -.4042 | -.3329 | -.2058 | .1968 | .2517 | .2774 |

0A172 TAILCONE PRESSURES GEAR ON (CFG044)

ALPHA ( 3) = 21.700 BETA ( 3) = -2.000 Q(PSF) = 61.460 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2478 | -.2425 | -.1890 | -.0128 | .1709 | .1975 | .3228 |
| 44.800 | -.2287 | -.1209 | -.0819 | -.0265 | .1645 | .2716 | |
| 50.100 | -.2157 | -.1354 | -.0575 | -.0430 | .1654 | .2716 | |
| 101.400 | -.3372 | -.4106 | -.4396 | -.2137 | | .2853 | |
| 115.600 | -.4603 | -.5948 | -.5933 | -.2941 | | .2880 | |
| 133.800 | -.4595 | -.4786 | -.5145 | -.1818 | | .2889 | |
| 149.100 | -.4198 | -.4221 | -.3869 | -.2128 | | .2908 | |
| 180.000 | -.5069 | -.3502 | -.4521 | -.3608 | .2633 | .2972 | .3228 |

ALPHA ( 3) = 21.700 BETA ( 4) = -1.000 Q(PSF) = 61.460 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2472 | -.2418 | -.1890 | -.0119 | .1719 | .1912 | .3220 |
| 44.800 | -.2296 | -.1202 | -.0835 | -.0256 | .1793 | .2717 | |
| 50.100 | -.2166 | -.1577 | -.0583 | -.0457 | .1829 | .2708 | |
| 101.400 | -.3382 | -.4070 | -.4307 | -.2011 | | .2891 | |
| 115.600 | -.4613 | -.5920 | -.5829 | -.2769 | | .2937 | |
| 133.800 | -.4575 | -.4773 | -.5064 | -.1828 | | .2937 | |
| 149.100 | -.5286 | -.5194 | -.4873 | -.2769 | | .2955 | |
| 180.000 | -.4980 | -.3473 | -.4551 | -.3646 | .2644 | .3010 | .3220 |

ALPHA ( 3) = 21.700 BETA ( 5) = .000 Q(PSF) = 61.460 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2469 | -.2415 | -.1880 | -.0119 | .1726 | .1891 | .3198 |
| 44.800 | -.2293 | -.1201 | -.0804 | -.0256 | .1882 | .2714 | |
| 50.100 | -.2186 | -.1751 | -.0513 | -.0393 | .1946 | .2695 | |
| 101.400 | -.3370 | -.4049 | -.4156 | -.1880 | | .2924 | |
| 115.600 | -.4630 | -.5844 | -.5684 | -.2565 | | .2960 | |
| 133.800 | -.4622 | -.4836 | -.5027 | -.1862 | | .2960 | |
| 149.100 | -.5302 | -.5363 | -.5363 | -.3386 | | .2979 | |
| 180.000 | -.5035 | -.3423 | -.4545 | -.3651 | .2631 | .2988 | .3198 |

OA172 TAILCONE PRESSURES GEAR ON (CFG044)

ALPHA ( 3) = 21.700 BETA ( 6) = .990 Q(PSF) = 61.460 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2505 | -.2451 | -.1917 | -.0110 | .1734 | .1844 | .3150 |
| 44.800 | -.2337 | -.1200 | -.0795 | -.0219 | .1898 | .2666 | |
| 50.100 | -.2199 | -.1673 | -.0330 | -.0320 | .1953 | .2675 | |
| 101.400 | -.3390 | -.4000 | -.3993 | -.1733 | | .2930 | |
| 115.600 | -.4710 | -.5839 | -.5587 | -.2417 | | .2958 | |
| 133.800 | -.4992 | -.4962 | -.4862 | -.2006 | | .2930 | |
| 149.100 | -.4351 | -.4557 | -.4733 | -.3146 | | .2940 | |
| 180.000 | -.5061 | -.3329 | -.4486 | -.3629 | .2611 | .2967 | .3150 |

ALPHA ( 3) = 21.700 BETA ( 7) = 1.970 Q(PSF) = 61.460 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2514 | -.2468 | -.1918 | -.0101 | .1689 | .1799 | .3106 |
| 44.800 | -.2361 | -.1200 | -.0842 | -.0183 | .1863 | .2640 | |
| 50.100 | -.2216 | -.1643 | -.0277 | -.0311 | .1936 | .2631 | |
| 101.400 | -.3491 | -.3980 | -.3873 | -.1542 | | .2886 | |
| 115.600 | -.4789 | -.5820 | -.5438 | -.2108 | | .2895 | |
| 133.800 | -.5552 | -.5652 | -.5858 | -.2418 | | .2886 | |
| 149.100 | -.4315 | -.4499 | -.4506 | -.2819 | | .2896 | |
| 180.000 | -.4934 | -.3269 | -.4452 | -.3549 | .2631 | .2914 | .3106 |

ALPHA ( 3) = 21.690 BETA ( 8) = 5.970 Q(PSF) = 61.460 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2749 | -.2688 | -.2014 | .0000 | .1363 | .1034 | .2197 |
| 44.800 | -.2519 | -.1027 | -.0591 | .0099 | .1675 | .1831 | |
| 50.100 | -.2236 | -.0889 | .0211 | .0054 | .1766 | .1840 | |
| 101.400 | -.2657 | -.2833 | -.2527 | -.0750 | | .1950 | |
| 115.600 | -.4769 | -.5473 | -.4616 | -.1427 | | .2069 | |
| 133.800 | -.4670 | -.4807 | -.5213 | -.1628 | | .2032 | |
| 149.100 | -.4677 | -.4785 | -.4432 | -.2177 | | .2087 | |
| 180.000 | -.3859 | -.3950 | -.4133 | -.2625 | .1885 | .2078 | .2197 |

0A172 TAILCONE PRESSURES GEAR ON (CFG044)

ALPHA ( 3) = 21.650 BETA ( 9) = 9.970 Q(PSF) = 61.460 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2884 | -.2816 | -.2127 | .0000 | .1664 | .1582 | .2936 |
| 44.800 | -.2624 | -.0927 | -.0392 | .0438 | .1985 | .2470 | |
| 50.100 | -.2181 | -.0438 | .0637 | .0520 | .2085 | .2479 | |
| 101.400 | -.2754 | -.3129 | -.2777 | -.0713 | | .2726 | |
| 115.600 | -.5224 | -.5714 | -.4406 | -.1051 | | .2763 | |
| 133.600 | -.5155 | -.5186 | -.5454 | -.1508 | | .2708 | |
| 149.100 | -.5285 | -.5270 | -.4727 | -.2230 | | .2689 | |
| 180.000 | -.3909 | -.3435 | -.3509 | -.2285 | .2287 | .2689 | .2936 |

OA172 TAILCONE PRESSURES GEAR ON (CFG045) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = -10.000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

ALPHA ( 1) = 1.120 BETA ( 1) = -9.960 Q(PSF) = 61.170 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2437 | -.2445 | -.2114 | -.0885 | .1032 | .0940 | .1650 |
| 44.800 | -.2414 | -.3092 | -.2815 | -.2192 | .0949 | .1438 | |
| 50.100 | -.2137 | -.4356 | -.3378 | -.2533 | .0912 | .1419 | |
| 101.400 | -.3809 | -.4773 | -.5644 | -.4016 | | .1539 | |
| 115.600 | -.4210 | -.5582 | -.6052 | -.4154 | | .1548 | |
| 133.800 | -.4449 | -.4904 | -.6152 | -.3150 | | .1318 | |
| 149.100 | -.4942 | -.5304 | -.4850 | -.2763 | | .1281 | |
| 180.000 | -.4503 | -.3632 | -.4421 | -.3500 | .1465 | .1318 | .1650 |

ALPHA ( 1) = 1.130 BETA ( 2) = -5.950 Q(PSF) = 61.170 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2475 | -.2467 | -.1991 | -.0707 | .1175 | .0955 | .1552 |
| 44.800 | -.2314 | -.2859 | -.2321 | -.1524 | .1074 | .1460 | |
| 50.100 | -.2083 | -.4057 | -.3166 | -.2139 | .1047 | .1424 | |
| 101.400 | -.4004 | -.4841 | -.5486 | -.3635 | | .1534 | |
| 115.600 | -.4395 | -.5617 | -.5886 | -.3662 | | .1525 | |
| 133.800 | -.4595 | -.4987 | -.6016 | -.2855 | | .1460 | |
| 149.100 | -.5071 | -.5340 | -.4887 | -.2708 | | .1470 | |
| 180.000 | -.4303 | -.3535 | -.4415 | -.3424 | .1433 | .1543 | .1552 |

ALPHA ( 1) = 1.120 BETA ( 3) = -1.980 Q(PSF) = 61.170 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2443 | -.2436 | -.1890 | -.0643 | .1359 | .1184 | .1883 |
| 44.800 | -.2828 | -.2773 | -.2136 | -.1340 | .1294 | .1745 | |
| 50.100 | -.2052 | -.4109 | -.3042 | -.1918 | .1267 | .1717 | |
| 101.400 | -.4109 | -.4854 | -.5246 | -.3276 | | .1726 | |
| 115.600 | -.4570 | -.5622 | -.5630 | -.3156 | | .1763 | |
| 133.800 | -.4770 | -.5069 | -.5891 | -.2588 | | .1800 | |

OA172 TAILCONE PRESSURES GEAR ON (CF0045)

ALPHA ( 1) = 1.120 BETA ( 3) = -1.980

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.5246 | -.5438 | -.4885 | -.2688 | | .1818 | |
| 180.000 | -.4132 | -.3718 | -.4450 | -.3441 | .1460 | .1818 | .1883 |

ALPHA ( 1) = 1.120 BETA ( 4) = -1.000 Q(PSF) = 61.170 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2459 | -.2459 | -.1906 | -.0634 | .1350 | .1212 | .1901 |
| 44.800 | -.2228 | -.2743 | -.2075 | -.1267 | .1340 | .1745 | |
| 50.100 | -.2044 | -.4041 | -.2966 | -.1835 | .1313 | .1754 | |
| 101.400 | -.4110 | -.4801 | -.5146 | -.3138 | | .1763 | |
| 115.600 | -.4601 | -.5607 | -.5553 | -.3028 | | .1772 | |
| 133.800 | -.4824 | -.5093 | -.5853 | -.2514 | | .1846 | |
| 149.100 | -.5315 | -.5484 | -.5000 | -.2689 | | .1846 | |
| 180.000 | -.4102 | -.3726 | -.4478 | -.3459 | .1497 | .1837 | .1901 |

ALPHA ( 1) = 1.120 BETA ( 5) = .000 Q(PSF) = 61.170 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2479 | -.2494 | -.1896 | -.0642 | .1366 | .1192 | .1935 |
| 44.800 | -.2233 | -.2724 | -.2042 | -.1219 | .1366 | .1789 | |
| 50.100 | -.2019 | -.3967 | -.2878 | -.1760 | .1357 | .1798 | |
| 101.400 | -.4089 | -.4749 | -.5033 | -.2997 | | .1779 | |
| 115.600 | -.4603 | -.5539 | -.5432 | -.2869 | | .1853 | |
| 133.800 | -.4864 | -.5117 | -.5800 | -.2447 | | .1853 | |
| 149.100 | -.5370 | -.5524 | -.5025 | -.2685 | | .1835 | |
| 180.000 | -.4243 | -.3821 | -.4536 | -.3519 | .1550 | .1825 | .1935 |

0A172 TAILCONE PRESSURES GEAR ON (CFG045)

ALPHA ( 1) = 1.120 BETA ( 6) = 1.000 Q(PSF) = 61.170 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2503 | -.2503 | -.1905 | -.0652 | .1376 | .1239 | .1918 |
| 44.800 | -.2227 | -.2710 | -.1974 | -.1165 | .1385 | .1826 | |
| 50.100 | -.1981 | -.3884 | -.2787 | -.1669 | .1385 | .1817 | |
| 101.400 | -.4069 | -.4698 | -.4905 | -.2834 | | .1826 | |
| 115.600 | -.4644 | -.5519 | -.5373 | -.2760 | | .1881 | |
| 133.800 | -.4943 | -.5181 | -.5818 | -.2403 | | .1909 | |
| 149.100 | -.5442 | -.5588 | -.5105 | -.2733 | | .1854 | |
| 180.000 | -.4406 | -.3915 | -.4530 | -.3567 | .1624 | .1845 | .1918 |

ALPHA ( 1) = 1.120 BETA ( 7) = 1.980 Q(PSF) = 61.170 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2492 | -.2492 | -.1910 | -.0605 | .1365 | .1218 | .1961 |
| 44.800 | -.2193 | -.2638 | -.1910 | -.1108 | .1374 | .1815 | |
| 50.100 | -.1933 | -.3779 | -.2714 | -.1557 | .1347 | .1824 | |
| 101.400 | -.4032 | -.4622 | -.4768 | -.2692 | | .1796 | |
| 115.600 | -.4684 | -.5549 | -.5312 | -.2637 | | .1906 | |
| 133.800 | -.4998 | -.5205 | -.5795 | -.2354 | | .1870 | |
| 149.100 | -.5496 | -.5611 | -.5151 | -.2756 | | .1842 | |
| 180.000 | -.4546 | -.3979 | -.4533 | -.3599 | .1640 | .1851 | .1961 |

ALPHA ( 1) = 1.130 BETA ( 8) = 6.010 Q(PSF) = 61.170 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2550 | -.2542 | -.1959 | -.0633 | .1257 | .0991 | .1634 |
| 44.800 | -.2204 | -.2488 | -.1751 | -.0881 | .1340 | .1597 | |
| 50.100 | -.1913 | -.3348 | -.2503 | -.1284 | .1331 | .1588 | |
| 101.400 | -.3985 | -.4437 | -.4391 | -.2320 | | .1652 | |
| 115.600 | -.4813 | -.5427 | -.4944 | -.2183 | | .1615 | |
| 133.800 | -.5312 | -.5420 | -.5780 | -.2165 | | .1477 | |
| 149.100 | -.5857 | -.5873 | -.5381 | -.2843 | | .1477 | |
| 180.000 | -.5320 | -.4430 | -.4796 | -.3788 | .1496 | .1477 | .1634 |

OA172 TAILCONE PRESSURES GEAR ON (CFG045)

ALPHA ( 1) = 1.120 BETA ( 9) = 9.970 Q(PSF) = 61.170 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2684 | -.2668 | -.2130 | -.0928 | .1084 | .0918 | .1268 |
| 44.800 | -.2246 | -.2123 | -.1446 | -.0781 | .1277 | .1663 | |
| 50.100 | -.1684 | -.2661 | -.1977 | -.0855 | .1286 | .1700 | |
| 101.400 | -.3859 | -.4082 | -.3614 | -.1690 | | .1976 | |
| 115.600 | -.4782 | -.5128 | -.4274 | -.1626 | | .1921 | |
| 133.800 | -.5596 | -.5596 | -.5589 | -.1663 | | .1489 | |
| 149.100 | -.6150 | -.6127 | -.5542 | -.2838 | | .1351 | |
| 180.000 | -.5673 | -.4728 | -.4849 | -.3774 | .1452 | .1360 | .1268 |

ALPHA ( 2) = 10.850 BETA ( 1) = -9.970 Q(PSF) = 61.059 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1894 | -.1894 | -.1786 | -.0804 | .1487 | .1460 | .2384 |
| 44.800 | -.1933 | -.2443 | -.1925 | -.1431 | .1191 | .2014 | |
| 50.100 | -.1871 | -.3424 | -.2783 | -.1837 | .1099 | .2033 | |
| 101.400 | -.3177 | -.4212 | -.5317 | -.4071 | | .2578 | |
| 115.600 | -.4691 | -.6213 | -.6622 | -.5151 | | .2523 | |
| 133.800 | -.5124 | -.5487 | -.6313 | -.3139 | | .2209 | |
| 149.100 | -.5224 | -.5371 | -.4320 | -.1967 | | .2172 | |
| 180.000 | -.4560 | -.3617 | -.3683 | -.2520 | .1700 | .2135 | .2384 |

ALPHA ( 2) = 10.840 BETA ( 2) = -5.960 Q(PSF) = 61.059 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1913 | -.1905 | -.1704 | -.0663 | .1677 | .1566 | .2470 |
| 44.800 | -.1905 | -.2483 | -.1882 | -.1335 | .1373 | .2083 | |
| 50.100 | -.1920 | -.3585 | -.2552 | -.1722 | .1317 | .2046 | |
| 101.400 | -.3446 | -.4370 | -.5272 | -.3812 | | .2396 | |
| 115.600 | -.4656 | -.6035 | -.6289 | -.4475 | | .2387 | |
| 133.800 | -.4987 | -.5280 | -.5927 | -.2597 | | .2323 | |
| 149.100 | -.5095 | -.5156 | -.4101 | -.1768 | | .2258 | |
| 180.000 | -.3962 | -.3400 | -.3582 | -.2440 | .1862 | .2249 | .2470 |

OA172 TAILCONE PRESSURES GEAR ON (CFG045)

ALPHA ( 2) = 10.830 BETA ( 3) = -1.990 Q(PSF) = 61.059 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2163 | -.2163 | -.1717 | -.0442 | .1665 | .1554 | .2374 |
| 44.800 | -.2040 | -.2394 | -.1725 | -.1039 | .1582 | .2153 | |
| 50.100 | -.1955 | -.3348 | -.2432 | -.1499 | .1582 | .2171 | |
| 101.400 | -.3586 | -.4401 | -.5032 | -.3309 | | .2300 | |
| 115.600 | -.4509 | -.5709 | -.5770 | -.3548 | | .2300 | |
| 133.800 | -.4778 | -.4955 | -.5217 | -.1903 | | .2263 | |
| 149.100 | -.5001 | -.4901 | -.3886 | -.1747 | | .2236 | |
| 180.000 | -.4455 | -.3086 | -.3980 | -.2914 | .1923 | .2245 | .2374 |

ALPHA ( 2) = 10.830 BETA ( 4) = -1.010 Q(PSF) = 61.059 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2224 | -.2208 | -.1724 | -.0386 | .1646 | .1517 | .2336 |
| 44.800 | -.2055 | -.2339 | -.1662 | -.0993 | .1646 | .2161 | |
| 50.100 | -.1962 | -.3231 | -.2393 | -.1397 | .1664 | .2161 | |
| 101.400 | -.3623 | -.4392 | -.4930 | -.3188 | | .2244 | |
| 115.600 | -.4484 | -.5630 | -.5645 | -.3363 | | .2253 | |
| 133.800 | -.4738 | -.4899 | -.5053 | -.1902 | | .2244 | |
| 149.100 | -.5076 | -.4999 | -.3984 | -.1755 | | .2216 | |
| 180.000 | -.4330 | -.3154 | -.4116 | -.2959 | .1904 | .2170 | .2336 |

ALPHA ( 2) = 10.830 BETA ( 5) = .000 Q(PSF) = 61.059 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2177 | -.2262 | -.1747 | -.0377 | .1627 | .1517 | .2318 |
| 44.800 | -.2085 | -.2277 | -.1585 | -.0910 | .1683 | .2152 | |
| 50.100 | -.1970 | -.3085 | -.2308 | -.1241 | .1692 | .2161 | |
| 101.400 | -.3638 | -.4384 | -.4861 | -.3041 | | .2235 | |
| 115.600 | -.4453 | -.5529 | -.5499 | -.3142 | | .2244 | |
| 133.800 | -.4722 | -.4876 | -.4968 | -.1920 | | .2207 | |
| 149.100 | -.5168 | -.5114 | -.4084 | -.1737 | | .2189 | |
| 180.000 | -.4084 | -.3338 | -.4116 | -.2912 | .1885 | .2161 | .2318 |

OA172 TAILCONE PRESSURES GEAR ON (CFG045)

ALPHA ( 2) = 10.830 BETA ( 6) = .980 Q(PSF) = 61.059 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2297 | -.2281 | -.1759 | -.0404 | .1671 | .1551 | .2351 |
| 44.800 | -.2074 | -.2151 | -.1460 | -.0817 | .1726 | .2204 | |
| 50.100 | -.1974 | -.2773 | -.2143 | -.1083 | .1744 | .2194 | |
| 101.400 | -.3632 | -.4315 | -.4730 | -.2844 | | .2259 | |
| 115.600 | -.4385 | -.5382 | -.5306 | -.2899 | | .2259 | |
| 133.800 | -.4715 | -.4837 | -.5029 | -.1898 | | .2204 | |
| 149.100 | -.5237 | -.5167 | -.4147 | -.1688 | | .2159 | |
| 180.000 | -.4408 | -.3609 | -.4054 | -.2853 | .1891 | .2148 | .2351 |

ALPHA ( 2) = 10.820 BETA ( 7) = 1.980 Q(PSF) = 61.059 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2333 | -.2325 | -.1781 | -.0422 | .1687 | .1596 | .2422 |
| 44.800 | -.2087 | -.2103 | -.1428 | -.0816 | .1788 | .2247 | |
| 50.100 | -.1980 | -.2655 | -.2049 | -.1027 | .1798 | -1.3698 | |
| 101.400 | -.3629 | -.4265 | -.4595 | -.2676 | | .2266 | |
| 115.600 | -.4281 | -.5155 | -.5116 | -.2740 | | .2256 | |
| 133.800 | -.4748 | -.4856 | -.5116 | -.1851 | | .2137 | |
| 149.100 | -.5277 | -.5201 | -.4181 | -.1686 | | .2100 | |
| 180.000 | -.4610 | -.1367 | -.3894 | -.2813 | .1853 | .2128 | .2422 |

ALPHA ( 2) = 10.830 BETA ( 8) = 5.980 Q(PSF) = 61.059 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2416 | -.2408 | -.1908 | -.0634 | .1701 | .1664 | .2640 |
| 44.800 | -.2100 | -.1808 | -.1232 | -.0653 | .1977 | .2373 | |
| 50.100 | -.2008 | -.2062 | -.1339 | -.0735 | .1986 | .2382 | |
| 101.400 | -.3584 | -.4092 | -.4184 | -.2095 | | .2409 | |
| 115.600 | -.4461 | -.5345 | -.4983 | -.2214 | | .2428 | |
| 133.800 | -.4937 | -.5006 | -.5183 | -.1498 | | .2391 | |
| 149.100 | -.5437 | -.5345 | -.4330 | -.1590 | | .2308 | |
| 180.000 | -.4353 | -.3738 | -.3592 | -.2398 | .2023 | .2262 | .2640 |

0A172 TAILCONE PRESSURES GEAR ON (CFG045)

ALPHA ( 2) = 10.830 BETA ( 9) = 9.980 Q(PSF) = 61.059 PO = 2120.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2553 | -.2530 | -.2052 | -.0792 | .1511 | .1622 | .2664 |
| 44.800 | -.2144 | -.1612 | -.1042 | -.0341 | .1899 | .2443 | |
| 50.100 | -.2044 | -.1697 | -.0942 | -.0369 | .1945 | .2462 | |
| 101.400 | -.3578 | -.4055 | -.3917 | -.1695 | | .2646 | |
| 115.600 | -.4595 | -.5204 | -.4610 | -.1704 | | .2600 | |
| 133.800 | -.5158 | -.5111 | -.4980 | -.1234 | | .2166 | |
| 149.100 | -.5712 | -.5443 | -.4117 | -.1152 | | .2028 | |
| 180.000 | -.5450 | -.4395 | -.3859 | -.2588 | .1963 | .1908 | .2664 |

ALPHA ( 3) = 21.680 BETA ( 1) = -9.960 Q(PSF) = 61.493 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2151 | -.2105 | -.1692 | -.0156 | .1537 | .1573 | .2791 |
| 44.800 | -.2074 | -.1378 | -.1141 | -.0759 | .1299 | .2324 | |
| 50.100 | -.2021 | -.1723 | -.0667 | -.0841 | .1161 | .2315 | |
| 101.400 | -.3550 | -.4522 | -.5386 | -.3574 | | .2727 | |
| 115.600 | -.4629 | -.6128 | -.7076 | -.5319 | | .2699 | |
| 133.800 | -.5952 | -.6342 | -.7298 | -.3884 | | .2626 | |
| 149.100 | -.5738 | -.5807 | -.4552 | -.2276 | | .2589 | |
| 180.000 | -.4139 | -.3466 | -.3683 | -.2440 | .2196 | .2580 | .2791 |

ALPHA ( 3) = 21.690 BETA ( 2) = -5.970 Q(PSF) = 61.493 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2258 | -.2197 | -.1738 | -.0202 | .1326 | .1198 | .2361 |
| 44.800 | -.2144 | -.1340 | -.1042 | -.0576 | .1189 | .1857 | |
| 50.100 | -.2060 | -.1639 | -.0820 | -.0677 | .1125 | .1876 | |
| 101.400 | -.3735 | -.4676 | -.5395 | -.3191 | | .2343 | |
| 115.600 | -.4821 | -.6244 | -.6917 | -.4498 | | .2361 | |
| 133.800 | -.5793 | -.6007 | -.6573 | -.2606 | | .2315 | |
| 149.100 | -.5158 | -.5043 | -.3919 | -.1920 | | .2251 | |
| 180.000 | -.3972 | -.3704 | -.4653 | -.3227 | .2068 | .2205 | .2361 |

OA172 TAILCONE PRESSURES GEAR ON (CFG045)

ALPHA ( 3) = 21.690 BETA ( 3) = -1.980 Q(PSF) = 61.493 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2291 | -.2238 | -.1727 | -.0156 | .1643 | .1890 | .3150 |
| 44.800 | -.2139 | -.1192 | -.0910 | -.0420 | .1533 | .2685 | |
| 50.100 | -.2070 | -.1582 | -.0780 | -.0639 | .1415 | .2685 | |
| 101.400 | -.3635 | -.4390 | -.4680 | -.2398 | | .2977 | |
| 115.600 | -.5047 | -.6436 | -.6436 | -.3393 | | .2986 | |
| 133.800 | -.5505 | -.5703 | -.5940 | -.2171 | | .3004 | |
| 149.100 | -.5535 | -.5406 | -.4467 | -.2217 | | .2977 | |
| 180.000 | -.4742 | -.3574 | -.4679 | -.3721 | .2566 | .2931 | .3150 |

ALPHA ( 3) = 21.700 BETA ( 4) = -1.000 Q(PSF) = 61.493 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2301 | -.2255 | -.1728 | -.0101 | .1699 | .1965 | .3236 |
| 44.800 | -.2156 | -.1232 | -.0926 | -.0439 | .1681 | .2797 | |
| 50.100 | -.2087 | -.1812 | -.0804 | -.0676 | .1645 | .2815 | |
| 101.400 | -.3630 | -.4379 | -.4624 | -.2337 | | .3126 | |
| 115.600 | -.5090 | -.6442 | -.6358 | -.3287 | | .3153 | |
| 133.800 | -.5494 | -.5708 | -.5854 | -.2164 | | .3126 | |
| 149.100 | -.7091 | -.6770 | -.5548 | -.2602 | | .3080 | |
| 180.000 | -.4517 | -.3692 | -.4701 | -.3770 | .2623 | .3016 | .3236 |

ALPHA ( 3) = 21.710 BETA ( 5) = .000 Q(PSF) = 61.493 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2314 | -.2253 | -.1726 | -.0092 | .1743 | .2008 | .3278 |
| 44.800 | -.2177 | -.1215 | -.0910 | -.0374 | .1752 | .2867 | |
| 50.100 | -.2116 | -.1887 | -.0711 | -.0612 | .1734 | .2894 | |
| 101.400 | -.3604 | -.4306 | -.4405 | -.2143 | | .3232 | |
| 115.600 | -.5100 | -.6382 | -.6183 | -.2955 | | .3223 | |
| 133.800 | -.5619 | -.5787 | -.5779 | -.2080 | | .3168 | |
| 149.100 | -.6115 | -.6153 | -.5885 | -.3347 | | .3132 | |
| 180.000 | -.4550 | -.3749 | -.4669 | -.3712 | .2684 | .3031 | .3278 |

0A172 TAILCONE PRESSURES GEAR ON (CFG045)

ALPHA ( 3) = 21.690 BETA ( 6) = 1.000 Q(PSF) = 61.493 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2347 | -.2301 | -.1759 | -.0083 | .1773 | .2038 | .3263 |
| 44.800 | -.2225 | -.1247 | -.0911 | -.0357 | .1846 | .2952 | |
| 50.100 | -.2141 | -.1897 | -.0544 | -.0539 | .1828 | .2952 | |
| 101.400 | -.3569 | -.4219 | -.4265 | -.1963 | | .3309 | |
| 115.600 | -.5174 | -.6366 | -.6114 | -.2794 | | .3300 | |
| 133.800 | -.5946 | -.5908 | -.5503 | -.2173 | | .3190 | |
| 149.100 | -.5587 | -.5648 | -.5212 | -.3059 | | .3135 | |
| 180.000 | -.4426 | -.3761 | -.4574 | -.3607 | .2696 | .3035 | .3263 |

ALPHA ( 3) = 21.700 BETA ( 7) = 1.990 Q(PSF) = 61.493 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2375 | -.2314 | -.1734 | -.0064 | .1798 | .2127 | .3342 |
| 44.800 | -.2245 | -.1253 | -.0948 | -.0301 | .1908 | .3059 | |
| 50.100 | -.2154 | -.1810 | -.0505 | -.0520 | .1899 | .3086 | |
| 101.400 | -.3657 | -.4184 | -.4092 | -.1706 | | .3305 | |
| 115.600 | -.5191 | -.6305 | -.5840 | -.2390 | | .3305 | |
| 133.800 | -.7015 | -.6916 | -.6473 | -.2499 | | .3205 | |
| 149.100 | -.5618 | -.5626 | -.4893 | -.2499 | | .3132 | |
| 180.000 | -.4504 | -.3718 | -.4368 | -.3383 | .2620 | .3059 | .3342 |

ALPHA ( 3) = 21.690 BETA ( 8) = 5.980 Q(PSF) = 61.493 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2625 | -.2556 | -.1860 | .0008 | .1491 | .1308 | .2543 |
| 44.800 | -.2411 | -.1026 | -.0682 | .0008 | .1820 | .2223 | |
| 50.100 | -.2173 | -.1026 | .0050 | -.0138 | .1921 | .2232 | |
| 101.400 | -.2869 | -.3030 | -.2770 | -.0850 | | .2488 | |
| 115.600 | -.5049 | -.5760 | -.4888 | -.1536 | | .2534 | |
| 133.800 | -.5309 | -.5339 | -.5431 | -.1280 | | .2415 | |
| 149.100 | -.5577 | -.5424 | -.4185 | -.1554 | | .2397 | |
| 180.000 | -.4689 | -.4223 | -.3427 | -.2129 | .2122 | .2424 | .2543 |

OA172 TAILCONE PRESSURES GEAR ON (CFG045)

ALPHA ( 3) = 21.650 BETA ( 9) = 9.970 Q(PSF) = 61.493 PO = 2119.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2785 | -.2702 | -.1977 | .0008 | .1815 | .1833 | .3066 |
| 44.800 | -.2534 | -.0947 | -.0490 | .0336 | .2171 | .2801 | |
| 50.100 | -.2130 | -.0597 | .0514 | .0391 | .2244 | .2828 | |
| 101.400 | -.2976 | -.3350 | -.2930 | -.0766 | | .3111 | |
| 115.600 | -.5478 | -.5973 | -.4616 | -.1076 | | .3084 | |
| 133.800 | -.5752 | -.5737 | -.5676 | -.1140 | | .2682 | |
| 149.100 | -.6332 | -.6050 | -.4517 | -.1531 | | .2527 | |
| 180.000 | -.4662 | -.3945 | -.3636 | -.2297 | .2399 | .2482 | .3066 |

0A172 TAILCONE PRESSURES GEAR ON (CFG046) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000
H/BW = .125

ALPHA ( 1) = 1.160 BETA ( 1) = -9.970 Q(PSF) = 61.100 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2188 | -.2295 | -.2534 | -.2704 | .0717 | .0487 | .0948 |
| 44.800 | -.2188 | -.2172 | -.2326 | -.2898 | .0616 | .0855 | |
| 50.100 | -.1995 | -.3358 | -.3265 | -.2612 | .0524 | .0837 | |
| 101.400 | -.3619 | -.4543 | -.5482 | -.3863 | | .0957 | |
| 115.600 | -.3958 | -.5343 | -.5798 | -.3955 | | .1012 | |
| 133.800 | -.4020 | -.4481 | -.5821 | -.2989 | | .0837 | |
| 149.100 | -.4235 | -.4658 | -.4589 | -.2787 | | .0628 | |
| 180.000 | -.5136 | -.3858 | -.4571 | -.3670 | .1187 | .0725 | .0948 |

ALPHA ( 1) = 1.160 BETA ( 2) = -5.970 Q(PSF) = 61.100 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2018 | -.2018 | -.2264 | -.2364 | .0883 | .0689 | .0984 |
| 44.800 | -.1964 | -.2003 | -.2157 | -.2529 | .0800 | .1049 | |
| 50.100 | -.2049 | -.3272 | -.2980 | -.2373 | .0726 | .1067 | |
| 101.400 | -.3834 | -.4650 | -.5335 | -.3522 | | .1086 | |
| 115.600 | -.4150 | -.5404 | -.5627 | -.3458 | | .1113 | |
| 133.800 | -.4150 | -.4535 | -.5674 | -.2695 | | .1058 | |
| 149.100 | -.4358 | -.4704 | -.4612 | -.2732 | | .0993 | |
| 180.000 | -.4850 | -.3673 | -.4424 | -.3578 | .1215 | .0975 | .0984 |

ALPHA ( 1) = 1.150 BETA ( 3) = -1.990 Q(PSF) = 61.100 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2047 | -.1955 | -.2255 | -.2454 | .1039 | .0891 | .1490 |
| 44.800 | -.1924 | -.1901 | -.2055 | -.2674 | .1048 | .1425 | |
| 50.100 | -.2132 | -.3308 | -.2855 | -.2408 | .1002 | .1379 | |
| 101.400 | -.3939 | -.4646 | -.5115 | -.3198 | | .1333 | |
| 115.600 | -.4331 | -.5415 | -.5392 | -.2987 | | .1361 | |
| 133.800 | -.4331 | -.4654 | -.5677 | -.2490 | | .1453 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG046)

ALPHA ( 1) = 1.150 BETA ( 3) = -1.990

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4531 | -.4808 | -.4738 | -.2794 | | .1462 | |
| 180.000 | -.4638 | -.3493 | -.4199 | -.3391 | .1324 | .1490 | .1490 |

ALPHA ( 1) = 1.150 BETA ( 4) = -.990 Q(PSF) = 61.100 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1984 | -.1976 | -.2291 | -.2525 | .1120 | .0918 | .1552 |
| 44.800 | -.2014 | -.1960 | -.2153 | -.2662 | .1084 | .1387 | |
| 50.100 | -.2229 | -.3289 | -.2852 | -.2479 | .1047 | .1369 | |
| 101.400 | -.3958 | -.4618 | -.5041 | -.3112 | | .1378 | |
| 115.600 | -.4373 | -.5386 | -.5333 | -.2873 | | .1442 | |
| 133.800 | -.4388 | -.4637 | -.5540 | -.2442 | | .1470 | |
| 149.100 | -.4588 | -.4841 | -.4772 | -.2827 | | .1451 | |
| 180.000 | -.4534 | -.3297 | -.4195 | -.3351 | .1295 | .1506 | .1552 |

ALPHA ( 1) = 1.150 BETA ( 5) = .000 Q(PSF) = 61.100 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2023 | -.2069 | -.2330 | -.2471 | .1093 | .0900 | .1553 |
| 44.800 | -.1977 | -.1931 | -.2154 | -.2700 | .1075 | .1415 | |
| 50.100 | -.2207 | -.3276 | -.2861 | -.2462 | .1066 | .1415 | |
| 101.400 | -.3967 | -.4590 | -.4966 | -.3022 | | .1461 | |
| 115.600 | -.4398 | -.5343 | -.5243 | -.2746 | | .1489 | |
| 133.800 | -.4444 | -.4705 | -.5520 | -.2388 | | .1526 | |
| 149.100 | -.4651 | -.4897 | -.4820 | -.2884 | | .1544 | |
| 180.000 | -.4498 | -.3276 | -.4215 | -.3343 | .1314 | .1452 | .1553 |

0A172 TAILCONE PRESSURES GEAR ON (CFG046)

ALPHA ( 1) = 1.150 BETA ( 6) = .990 Q(PSF) = 61.100 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2036 | -.2052 | -.2297 | -.2505 | .1120 | .0918 | .1561 |
| 44.800 | -.1906 | -.2005 | -.2174 | -.2661 | .1147 | .1469 | |
| 50.100 | -.2243 | -.3272 | -.2766 | -.2441 | .1110 | .1469 | |
| 101.400 | -.3940 | -.4539 | -.4838 | -.2899 | | .1405 | |
| 115.600 | -.4431 | -.5330 | -.5169 | -.2624 | | .1524 | |
| 133.800 | -.4493 | -.4762 | -.5545 | -.2367 | | .1496 | |
| 149.100 | -.4708 | -.4954 | -.4915 | -.2936 | | .1533 | |
| 180.000 | -.4408 | -.3380 | -.4229 | -.3367 | .1313 | .1469 | .1561 |

ALPHA ( 1) = 1.150 BETA ( 7) = 1.980 Q(PSF) = 61.100 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2033 | -.2141 | -.2318 | -.2492 | .1122 | .0920 | .1537 |
| 44.800 | -.2025 | -.2002 | -.2233 | -.2639 | .1113 | .1491 | |
| 50.100 | -.2341 | -.3233 | -.2826 | -.2464 | .1122 | .1491 | |
| 101.400 | -.3949 | -.4511 | -.4780 | -.2795 | | .1454 | |
| 115.600 | -.4495 | -.5396 | -.5173 | -.2547 | | .1555 | |
| 133.800 | -.4595 | -.4857 | -.5588 | -.2363 | | .1546 | |
| 149.100 | -.4795 | -.5049 | -.5011 | -.3016 | | .1555 | |
| 180.000 | -.4326 | -.3549 | -.4303 | -.3384 | .1316 | .1509 | .1537 |

ALPHA ( 1) = 1.160 BETA ( 8) = 5.980 Q(PSF) = 61.100 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2066 | -.2135 | -.2373 | -.2513 | .1073 | .0835 | .1064 |
| 44.800 | -.2128 | -.2189 | -.2266 | -.2394 | .1101 | .1395 | |
| 50.100 | -.2442 | -.3087 | -.2788 | -.2156 | .1129 | .1432 | |
| 101.400 | -.3931 | -.4376 | -.4422 | -.2431 | | .1588 | |
| 115.600 | -.4653 | -.5320 | -.4845 | -.2165 | | .1597 | |
| 133.800 | -.4952 | -.5105 | -.5643 | -.2284 | | .1377 | |
| 149.100 | -.5198 | -.5366 | -.5359 | -.3283 | | .1285 | |
| 180.000 | -.4438 | -.3624 | -.4347 | -.3522 | .1248 | .1156 | .1064 |

0A172 TAILCONE PRESSURES GEAR ON (CFG04C)

ALPHA ( 1) = 1.160 BETA ( 8) = 9.990 Q(PSF) = 61.100 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2317 | -.2348 | -.2586 | -.2758 | .0781 | .0542 | .0800 |
| 44.800 | -.2394 | -.2402 | -.2540 | -.2206 | .1011 | .1168 | |
| 50.100 | -.2609 | -.2971 | -.2532 | -.2041 | .1076 | .1214 | |
| 101.400 | -.3871 | -.4125 | -.3840 | -.2032 | | .1407 | |
| 115.600 | -.4725 | -.5125 | -.4317 | -.1728 | | .1269 | |
| 133.800 | -.5363 | -.5417 | -.5632 | -.2023 | | .0864 | |
| 149.100 | -.5694 | -.5786 | -.5702 | -.3465 | | .0744 | |
| 180.000 | -.5055 | -.3917 | -.4403 | -.3585 | .1205 | .0781 | .0800 |

ALPHA ( 2) = 10.890 BETA ( 1) = -9.960 Q(PSF) = 61.031 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2221 | -.2321 | -.2683 | -.2864 | .1511 | .1225 | .1908 |
| 44.800 | -.2290 | -.2213 | -.2460 | -.3057 | .1244 | .1677 | |
| 50.100 | -.1974 | -.2637 | -.2629 | -.2846 | .0930 | .1613 | |
| 101.400 | -.3053 | -.4040 | -.5226 | -.4052 | | .1216 | |
| 115.600 | -.4479 | -.5989 | -.6405 | -.5028 | | .1318 | |
| 133.800 | -.4718 | -.5072 | -.6012 | -.3048 | | .0875 | |
| 149.100 | -.4571 | -.4826 | -.4194 | -.2173 | | .0838 | |
| 180.000 | -.5041 | -.3654 | -.3711 | -.2606 | .1465 | .0939 | .1908 |

ALPHA ( 2) = 10.870 BETA ( 2) = -5.950 Q(PSF) = 61.031 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2163 | -.2333 | -.2679 | -.2859 | .1711 | .1389 | .2116 |
| 44.800 | -.2317 | -.2279 | -.2479 | -.3061 | .1435 | .1932 | |
| 50.100 | -.1956 | -.2648 | -.2617 | -.2914 | .1140 | .1895 | |
| 101.400 | -.3341 | -.4241 | -.5225 | -.3843 | | .1822 | |
| 115.600 | -.4448 | -.5849 | -.6072 | -.4321 | | .1951 | |
| 133.800 | -.4564 | -.4856 | -.5625 | -.2538 | | .1776 | |
| 149.100 | -.4479 | -.4633 | -.3987 | -.1922 | | .1785 | |
| 180.000 | -.4033 | -.3202 | -.3457 | -.2427 | .1730 | .1803 | .2116 |

0A172 TAILCONE PRESSURES GEAR ON (CFG046)

ALPHA ( 2) = 10.860 BETA ( 3) = -1.990 Q(PSF) = 61.031 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1850 | -.1858 | -.2451 | -.2679 | .1695 | .1474 | .2257 |
| 44.800 | -.1943 | -.1989 | -.2220 | -.2789 | .1584 | .2055 | |
| 50.100 | -.1920 | -.2590 | -.2605 | -.2614 | .1455 | .2018 | |
| 101.400 | -.3522 | -.4308 | -.5032 | -.3397 | | .2055 | |
| 115.600 | -.4315 | -.5517 | -.5586 | -.3406 | | .2055 | |
| 133.800 | -.4361 | -.4546 | -.4947 | -.1869 | | .1990 | |
| 149.100 | -.4369 | -.4361 | -.3714 | -.1860 | | .1972 | |
| 180.000 | -.4816 | -.2875 | -.3728 | -.2844 | .1778 | .1981 | .2257 |

ALPHA ( 2) = 10.860 BETA ( 4) = -.970 Q(PSF) = 61.031 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1827 | -.1819 | -.2443 | -.2650 | .1694 | .1427 | .2201 |
| 44.800 | -.1965 | -.1927 | -.2219 | -.2751 | .1630 | .1980 | |
| 50.100 | -.1911 | -.2574 | -.2581 | -.2558 | .1529 | .1980 | |
| 101.400 | -.3544 | -.4298 | -.4968 | -.3285 | | .2035 | |
| 115.600 | -.4291 | -.5461 | -.5469 | -.3221 | | .2045 | |
| 133.800 | -.4306 | -.4499 | -.4799 | -.1887 | | .2026 | |
| 149.100 | -.4437 | -.4445 | -.3844 | -.1896 | | .1999 | |
| 180.000 | -.4853 | -.2689 | -.3745 | -.2797 | .1787 | .2008 | .2201 |

ALPHA ( 2) = 10.860 BETA ( 5) = .000 Q(PSF) = 61.031 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1827 | -.1866 | -.2405 | -.2596 | .1630 | .1400 | .2165 |
| 44.800 | -.1897 | -.1950 | -.2166 | -.2697 | .1621 | .1990 | |
| 50.100 | -.1866 | -.2597 | -.2544 | -.2504 | .1603 | .1981 | |
| 101.400 | -.3583 | -.4292 | -.4885 | -.3176 | | .2008 | |
| 115.600 | -.4261 | -.5340 | -.5324 | -.3019 | | .1999 | |
| 133.800 | -.4300 | -.4462 | -.4708 | -.1915 | | .1962 | |
| 149.100 | -.4500 | -.4546 | -.3969 | -.1933 | | .1962 | |
| 180.000 | -.4824 | -.2613 | -.3783 | -.2872 | .1787 | .1962 | .2165 |

OA172 TAILCONE PRESSURES GEAR ON (CFG046)

ALPHA ( 2) = 10.860 BETA ( 6) = .990 Q(PSF) = 61.031 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1847 | -.1870 | -.2439 | -.2637 | .1646 | .1425 | .2198 |
| 44.800 | -.1916 | -.1939 | -.2270 | -.2655 | .1637 | .2014 | |
| 50.100 | -.1939 | -.2554 | -.2385 | -.2426 | .1646 | .2014 | |
| 101.400 | -.3592 | -.4276 | -.4807 | -.3023 | | .2032 | |
| 115.600 | -.4207 | -.5222 | -.5145 | -.2830 | | .2060 | |
| 133.800 | -.4315 | -.4468 | -.4791 | -.1920 | | .1995 | |
| 149.100 | -.4553 | -.4607 | -.4053 | -.1948 | | .1959 | |
| 180.000 | -.4476 | -.2838 | -.3757 | -.2802 | .1784 | .1986 | .2198 |

ALPHA ( 2) = 10.860 BETA ( 7) = 1.990 Q(PSF) = 61.031 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1994 | -.1964 | -.2579 | -.2740 | .1721 | .1481 | .2264 |
| 44.800 | -.2048 | -.2010 | -.2333 | -.2712 | .1712 | .2080 | |
| 50.100 | -.1987 | -.2664 | -.2371 | -.2455 | .1693 | .2089 | |
| 101.400 | -.3595 | -.4249 | -.4710 | -.2896 | | .2080 | |
| 115.600 | -.4126 | -.5018 | -.4972 | -.2667 | | .2080 | |
| 133.800 | -.4349 | -.4495 | -.4903 | -.1885 | | .2061 | |
| 149.100 | -.4587 | -.4633 | -.4103 | -.1968 | | .2025 | |
| 180.000 | -.4333 | -.3025 | -.3843 | -.2906 | .1767 | .2015 | .2264 |

ALPHA ( 2) = 10.860 BETA ( 8) = 5.980 Q(PSF) = 61.031 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2353 | -.2346 | -.2899 | -.3012 | .1691 | .1415 | .2188 |
| 44.800 | -.2384 | -.2399 | -.2622 | -.2820 | .1737 | .2050 | |
| 50.100 | -.2008 | -.3206 | -.2077 | -.2351 | .1746 | .2059 | |
| 101.400 | -.3591 | -.4098 | -.4359 | -.2360 | | .2105 | |
| 115.600 | -.4336 | -.5251 | -.4928 | -.2241 | | .2133 | |
| 133.800 | -.4551 | -.4674 | -.5059 | -.1699 | | .2050 | |
| 149.100 | -.4759 | -.4805 | -.4375 | -.2122 | | .1976 | |
| 180.000 | -.3867 | -.3314 | -.3481 | -.2416 | .1774 | .1940 | .2188 |

OA172 TAILCONE PRESSURES GEAR ON (CFG046)

ALPHA ( 2) = 10.860 BETA ( 9) = 7.990 Q(PSF) = 61.031 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2311 | -.2350 | -.2804 | -.3018 | .1620 | .1362 | .2146 |
| 44.800 | -.2442 | -.2404 | -.2665 | -.2696 | .1657 | .1998 | |
| 50.100 | -.1996 | -.3227 | -.2073 | -.2272 | .1676 | .1989 | |
| 101.400 | -.3589 | -.4120 | -.4313 | -.2226 | | .2044 | |
| 115.600 | -.4490 | -.5275 | -.4829 | -.2070 | | .2063 | |
| 133.800 | -.4713 | -.4767 | -.4990 | -.1647 | | .1888 | |
| 149.100 | -.4929 | -.4929 | -.4436 | -.2098 | | .1832 | |
| 180.000 | -.4128 | -.3412 | -.3496 | -.2502 | .1703 | .1777 | .2146 |

ALPHA ( 2) = 10.870 BETA (10) = 9.970 Q(PSF) = 61.031 PO = 2128.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2264 | -.2380 | -.2741 | -.2878 | .1528 | .1242 | .2007 |
| 44.800 | -.2410 | -.2433 | -.2595 | -.2529 | .1620 | .1878 | |
| 50.100 | -.1941 | -.2903 | -.2149 | -.2180 | .1620 | .1878 | |
| 101.400 | -.3657 | -.4142 | -.4203 | -.2097 | | .1970 | |
| 115.600 | -.4557 | -.5227 | -.4688 | -.1913 | | .1878 | |
| 133.800 | -.4904 | -.4911 | -.5050 | -.1646 | | .1491 | |
| 149.100 | -.5173 | -.5057 | -.4373 | -.1922 | | .1297 | |
| 180.000 | -.4981 | -.3742 | -.3522 | -.2483 | .1546 | .1113 | .2007 |

ALPHA ( 3) = 21.720 BETA ( 1) = -9.960 Q(PSF) = 61.487 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2178 | -.2338 | -.2988 | -.2738 | .1690 | .1552 | .2567 |
| 44.800 | -.2392 | -.2400 | -.2697 | -.2847 | .1534 | .2247 | |
| 50.100 | -.2262 | -.2232 | -.1491 | -.2081 | .1233 | .2211 | |
| 101.400 | -.3522 | -.4446 | -.5416 | -.3614 | | .2421 | |
| 115.600 | -.4500 | -.5996 | -.6966 | -.5274 | | .2457 | |
| 133.800 | -.5660 | -.5989 | -.7065 | -.3769 | | .2302 | |
| 149.100 | -.5194 | -.5355 | -.4461 | -.2336 | | .2256 | |
| 180.000 | -.4332 | -.3438 | -.3577 | -.2464 | .2101 | .2247 | .2567 |

0A172 TAILCONE PRESSURES GEAR ON (CFG046)

ALPHA ( 3) = 21.740 BETA ( 2) = -5.970 Q(PSF) = 61.487 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2476 | -.2652 | -.3492 | -.3222 | .1544 | .1379 | .2549 |
| 44.800 | -.2866 | -.2889 | -.3126 | -.2729 | .1370 | .2101 | |
| 50.100 | -.2362 | -.2026 | -.1697 | -.1725 | .1288 | .2074 | |
| 101.400 | -.3706 | -.4615 | -.5379 | -.3231 | | .2558 | |
| 115.600 | -.4600 | -.6036 | -.6777 | -.4418 | | .2558 | |
| 133.800 | -.5295 | -.5524 | -.6288 | -.2519 | | .2403 | |
| 149.100 | -.4432 | -.4470 | -.3775 | -.1990 | | .2385 | |
| 180.000 | -.4264 | -.4012 | -.4089 | -.2446 | .2010 | .2348 | .2549 |

ALPHA ( 3) = 21.740 BETA ( 3) = -1.980 Q(PSF) = 61.487 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2477 | -.2698 | -.3584 | -.3012 | .1699 | .1653 | .2842 |
| 44.800 | -.2904 | -.2920 | -.3279 | -.2748 | .1571 | .2385 | |
| 50.100 | -.2339 | -.2958 | -.1400 | -.1607 | .1471 | .2357 | |
| 101.400 | -.3546 | -.4302 | -.4676 | -.2392 | | .2714 | |
| 115.600 | -.4867 | -.6242 | -.6212 | -.3177 | | .2751 | |
| 133.800 | -.4997 | -.5204 | -.5517 | -.1963 | | .2714 | |
| 149.100 | -.4760 | -.4715 | -.4134 | -.2200 | | .2723 | |
| 180.000 | -.5142 | -.3111 | -.4226 | -.3423 | .2568 | .2732 | .2842 |

ALPHA ( 3) = 21.740 BETA ( 4) = -.970 Q(PSF) = 61.487 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2445 | -.2598 | -.3484 | -.2847 | .1744 | .1662 | .2796 |
| 44.800 | -.2820 | -.2835 | -.3255 | -.2802 | .1735 | .2412 | |
| 50.100 | -.2293 | -.4057 | -.1224 | -.1780 | .1635 | .2393 | |
| 101.400 | -.3553 | -.4270 | -.4591 | -.2272 | | .2741 | |
| 115.600 | -.4904 | -.6218 | -.6134 | -.3039 | | .2759 | |
| 133.800 | -.4988 | -.5202 | -.5424 | -.1999 | | .2695 | |
| 149.100 | -.6172 | -.5874 | -.5195 | -.2774 | | .2704 | |
| 180.000 | -.5072 | -.3140 | -.4234 | -.3468 | .2558 | .2695 | .2796 |

0A172 TAILCONE PRESSURES GEAR ON (CFG046)

ALPHA ( 3) = 21.740 BETA ( 5) = .000 Q(PSF) = 61.487 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2499 | -.2614 | -.3477 | -.2820 | .1772 | .1671 | .2787 |
| 44.800 | -.2797 | -.2827 | -.3247 | -.2911 | .1754 | .2448 | |
| 50.100 | -.2232 | -.4477 | -.1117 | -.1917 | .1717 | .2421 | |
| 101.400 | -.3515 | -.4187 | -.4362 | -.2072 | | .2759 | |
| 115.600 | -.4882 | -.6142 | -.5936 | -.2765 | | .2796 | |
| 133.800 | -.5050 | -.5241 | -.5393 | -.1999 | | .2732 | |
| 149.100 | -.5562 | -.5699 | -.5623 | -.3459 | | .2723 | |
| 180.000 | -.4989 | -.3179 | -.4280 | -.3468 | .2595 | .2723 | .2787 |

ALPHA ( 3) = 21.740 BETA ( 6) = .990 Q(PSF) = 61.487 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2463 | -.2631 | -.3541 | -.2823 | .1765 | .1673 | .2771 |
| 44.800 | -.2769 | -.2761 | -.3182 | -.3024 | .1792 | .2451 | |
| 50.100 | -.2226 | -.4871 | -.1133 | -.2229 | .1737 | .2433 | |
| 101.400 | -.3564 | -.4145 | -.4229 | -.1891 | | .2789 | |
| 115.600 | -.4948 | -.6125 | -.5835 | -.2595 | | .2808 | |
| 133.800 | -.5437 | -.5368 | -.5162 | -.2120 | | .2735 | |
| 149.100 | -.4864 | -.4994 | -.4963 | -.3170 | | .2716 | |
| 180.000 | -.5047 | -.3144 | -.4275 | -.3472 | .2597 | .2707 | .2771 |

ALPHA ( 3) = 21.740 BETA ( 7) = 1.980 Q(PSF) = 61.487 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2508 | -.2684 | -.3616 | -.2986 | .1718 | .1691 | .2870 |
| 44.800 | -.2638 | -.2645 | -.3127 | -.3114 | .1800 | .2459 | |
| 50.100 | -.2187 | -.5022 | -.1339 | -.2584 | .1764 | .2450 | |
| 101.400 | -.3570 | -.4135 | -.4059 | -.1690 | | .2797 | |
| 115.600 | -.5037 | -.6107 | -.5671 | -.2265 | | .2806 | |
| 133.800 | -.6420 | -.6367 | -.6252 | -.2602 | | .2770 | |
| 149.100 | -.4831 | -.4953 | -.4701 | -.2730 | | .2751 | |
| 180.000 | -.4632 | -.3119 | -.4291 | -.3388 | .2633 | .2715 | .2870 |

OA172 TAILCONE PRESSURES GEAR ON (CFG046)

ALPHA ( 3) = 21.730 BETA ( 8) = 5.970 Q(PSF) = 61.487 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2271 | -.2470 | -.3333 | -.2694 | .1562 | .1325 | .2486 |
| 44.800 | -.2332 | -.2370 | -.2813 | -.2812 | .1663 | .2093 | |
| 50.100 | -.2148 | -.5266 | -.1117 | -.2630 | .1617 | .2084 | |
| 101.400 | -.2836 | -.3043 | -.2783 | -.0904 | | .2312 | |
| 115.600 | -.5014 | -.5732 | -.4869 | -.1571 | | .2367 | |
| 133.800 | -.4983 | -.5075 | -.5427 | -.1598 | | .2367 | |
| 149.100 | -.5052 | -.5075 | -.4464 | -.1909 | | .2340 | |
| 180.000 | -.4097 | -.4158 | -.3972 | -.2429 | .2093 | .2340 | .2486 |

ALPHA ( 3) = 21.690 BETA ( 9) = 9.970 Q(PSF) = 61.487 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2156 | -.2294 | -.2829 | -.2547 | .1718 | .1508 | .2532 |
| 44.800 | -.2431 | -.2492 | -.2829 | -.2374 | .1864 | .2321 | |
| 50.100 | -.2118 | -.4112 | -.3104 | -.2593 | .1882 | .2285 | |
| 101.400 | -.2966 | -.3333 | -.3020 | -.0913 | | .2669 | |
| 115.600 | -.5472 | -.6007 | -.4662 | -.1206 | | .2678 | |
| 133.800 | -.5480 | -.5487 | -.5739 | -.1589 | | .2367 | |
| 149.100 | -.5732 | -.5671 | -.4861 | -.2073 | | .2303 | |
| 180.000 | -.4089 | -.3509 | -.3469 | -.2292 | .2193 | .2239 | .2532 |

0A172 TAILCONE PRESSURES GEAR ON (CFG047) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300
H/BW = .125

ALPHA ( 1) = 1.220 BETA ( 1) = -9.970 Q(PSF) = 61.141 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1763 | -.1894 | -.2455 | -.3079 | .0542 | .0422 | .0579 |
| 44.800 | -.1886 | -.1925 | -.2194 | -.3171 | .0330 | .0938 | |
| 50.100 | -.1563 | -.2201 | -.3147 | -.3180 | .0312 | .0827 | |
| 101.400 | -.3586 | -.4570 | -.5655 | -.4347 | | .0790 | |
| 115.600 | -.4047 | -.5455 | -.6032 | -.4311 | | .0836 | |
| 133.800 | -.4140 | -.4617 | -.6024 | -.3226 | | .0680 | |
| 149.100 | -.4370 | -.4809 | -.4755 | -.3006 | | .0652 | |
| 180.000 | -.5240 | -.3986 | -.4770 | -.3961 | .0892 | .0579 | .0579 |

ALPHA ( 1) = 1.210 BETA ( 2) = -5.970 Q(PSF) = 61.141 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2101 | -.1801 | -.2601 | -.2959 | .0514 | .0422 | .0726 |
| 44.800 | -.1947 | -.2170 | -.2155 | -.3317 | .0312 | .0864 | |
| 50.100 | -.1601 | -.2301 | -.2824 | -.3051 | .0302 | .0836 | |
| 101.400 | -.3792 | -.4677 | -.5553 | -.4015 | | .0836 | |
| 115.600 | -.4208 | -.5484 | -.5830 | -.3804 | | .0882 | |
| 133.800 | -.4238 | -.4654 | -.5838 | -.2913 | | .0845 | |
| 149.100 | -.4454 | -.4800 | -.4754 | -.2922 | | .0744 | |
| 180.000 | -.4869 | -.3792 | -.4576 | -.3859 | .0891 | .0753 | .0726 |

ALPHA ( 1) = 1.200 BETA ( 3) = -2.000 Q(PSF) = 61.141 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2016 | -.2247 | -.2777 | -.2913 | .0376 | .0486 | .0993 |
| 44.800 | -.2009 | -.2078 | -.2493 | -.2977 | .0394 | .0753 | |
| 50.100 | -.1639 | -.2501 | -.2739 | -.3078 | .0219 | .0781 | |
| 101.400 | -.3946 | -.4684 | -.5330 | -.3675 | | .0790 | |
| 115.600 | -.4377 | -.5499 | -.5599 | -.3326 | | .0947 | |
| 133.800 | -.4415 | -.4761 | -.5746 | -.2692 | | .0901 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG047)

ALPHA ( 1) = 1.200 BETA ( 3) = -2.000

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4631 | -.4938 | -.4892 | -.2968 | | .0974 | |
| 180.000 | -.4561 | -.3593 | -.4401 | -.3602 | .0965 | .0983 | .0993 |

ALPHA ( 1) = 1.200 BETA ( 4) = -.990 Q(PSF) = 61.141 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2059 | -.2105 | -.2603 | -.3072 | .0357 | .0357 | .0945 |
| 44.800 | -.2089 | -.2174 | -.2412 | -.2862 | .0440 | .0789 | |
| 50.100 | -.1652 | -.2527 | -.2926 | -.2990 | .0338 | .0779 | |
| 101.400 | -.3954 | -.4691 | -.5259 | -.3568 | | .0899 | |
| 115.600 | -.4407 | -.5458 | -.5520 | -.3219 | | .0972 | |
| 133.800 | -.4468 | -.4783 | -.5712 | -.2669 | | .1027 | |
| 149.100 | -.4691 | -.4967 | -.4929 | -.3008 | | .1055 | |
| 180.000 | -.4607 | -.3402 | -.4365 | -.3595 | .0936 | .1000 | .0945 |

ALPHA ( 1) = 1.200 BETA ( 5) = .000 Q(PSF) = 61.141 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1830 | -.2061 | -.2514 | -.2938 | .0311 | .0394 | .0891 |
| 44.800 | -.1961 | -.2091 | -.2391 | -.3076 | .0366 | .0799 | |
| 50.100 | -.1723 | -.2353 | -.2775 | -.3021 | .0449 | .0808 | |
| 101.400 | -.3958 | -.4665 | -.5219 | -.3526 | | .0983 | |
| 115.600 | -.4443 | -.5441 | -.5457 | -.3076 | | .1001 | |
| 133.800 | -.4512 | -.4811 | -.5672 | -.2635 | | .1010 | |
| 149.100 | -.4750 | -.4996 | -.4973 | -.3039 | | .1019 | |
| 180.000 | -.4489 | -.3344 | -.4398 | -.3599 | .0992 | .1047 | .0891 |

OA172 TAILCONE PRESSURES GEAR ON (CFG047)

ALPHA ( 1) = 1.200 BETA ( 6) = .980 Q(PSF) = 61.141 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2161 | -.2230 | -.2207 | -.2929 | .0376 | .0412 | .0790 |
| 44.800 | -.2030 | -.2061 | -.2414 | -.2966 | .0348 | .0808 | |
| 50.100 | -.1723 | -.2437 | -.2914 | -.3094 | .0339 | .0780 | |
| 101.400 | -.3982 | -.4642 | -.5157 | -.3434 | | .0992 | |
| 115.600 | -.4466 | -.5411 | -.5388 | -.3003 | | .1010 | |
| 133.800 | -.4596 | -.4873 | -.5749 | -.2599 | | .0983 | |
| 149.100 | -.4812 | -.5096 | -.5057 | -.3140 | | .1029 | |
| 180.000 | -.4404 | -.3482 | -.4407 | -.3599 | .0983 | .0983 | .0790 |

ALPHA ( 1) = 1.200 BETA ( 7) = 1.980 Q(PSF) = 61.141 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2167 | -.2113 | -.2789 | -.3175 | .0366 | .0284 | .0899 |
| 44.800 | -.2221 | -.2221 | -.2482 | -.3147 | .0284 | .0771 | |
| 50.100 | -.1791 | -.2543 | -.2873 | -.3147 | .0403 | .0835 | |
| 101.400 | -.3979 | -.4632 | -.5046 | -.3340 | | .1074 | |
| 115.600 | -.4555 | -.5461 | -.5361 | -.2900 | | .1037 | |
| 133.800 | -.4670 | -.4923 | -.5737 | -.2597 | | .0973 | |
| 149.100 | -.4877 | -.5123 | -.5146 | -.3212 | | .0945 | |
| 180.000 | -.4363 | -.3610 | -.4432 | -.3624 | .0973 | .0945 | .0899 |

ALPHA ( 1) = 1.210 BETA ( 8) = 5.970 Q(PSF) = 61.141 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1898 | -.1798 | -.2405 | -.3083 | .0412 | .0339 | .0697 |
| 44.800 | -.1982 | -.2151 | -.2428 | -.2963 | .0201 | .0715 | |
| 50.100 | -.1744 | -.2328 | -.2904 | -.3074 | .0449 | .0725 | |
| 101.400 | -.4025 | -.4554 | -.4777 | -.2991 | | .1166 | |
| 115.600 | -.4762 | -.5445 | -.5115 | -.2541 | | .1120 | |
| 133.800 | -.5046 | -.5238 | -.5852 | -.2597 | | .0715 | |
| 149.100 | -.5307 | -.5506 | -.5545 | -.3523 | | .0669 | |
| 180.000 | -.4616 | -.3779 | -.4504 | -.3789 | .0844 | .0578 | .0697 |

0A172 TAILCONE PRESSURES GEAR ON (CFG047)

ALPHA ( 1) = 1.220 BETA ( 9) = 9.990 Q(PSF) = 61.141 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2074 | -.2097 | -.2681 | -.3192 | .0458 | .0274 | .0311 |
| 44.800 | -.2159 | -.2259 | -.2573 | -.3431 | .0237 | .0871 | |
| 50.100 | -.1852 | -.2734 | -.3065 | -.3440 | .0090 | .0738 | |
| 101.400 | -.4055 | -.4400 | -.4339 | -.2761 | | .1230 | |
| 115.600 | -.4861 | -.5329 | -.4700 | -.2239 | | .1009 | |
| 133.800 | -.5498 | -.5590 | -.5943 | -.2440 | | .0486 | |
| 149.100 | -.5828 | -.5936 | -.5936 | -.3825 | | .0440 | |
| 180.000 | -.5199 | -.4093 | -.4596 | -.3862 | .0917 | .0486 | .0311 |

ALPHA ( 2) = 10.940 BETA ( 1) = -9.970 Q(PSF) = 61.090 PO = 2128.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2152 | -.2283 | -.3246 | -.3905 | .1152 | .1124 | .2065 |
| 44.800 | -.2421 | -.2190 | -.2737 | -.4245 | .0838 | .1539 | |
| 50.100 | -.2290 | -.2483 | -.2768 | -.3997 | .0580 | .1410 | |
| 101.400 | -.3046 | -.4109 | -.5427 | -.4466 | | .1336 | |
| 115.600 | -.4656 | -.6198 | -.6714 | -.5442 | | .1567 | |
| 133.800 | -.4880 | -.5265 | -.6282 | -.3380 | | .0875 | |
| 149.100 | -.4756 | -.5018 | -.4425 | -.2468 | | .0617 | |
| 180.000 | -.5188 | -.3809 | -.3960 | -.2947 | .1105 | .0737 | .2065 |

ALPHA ( 2) = 10.920 BETA ( 2) = -5.990 Q(PSF) = 61.090 PO = 2128.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2425 | -.2402 | -.3155 | -.3962 | .1122 | .0984 | .1665 |
| 44.800 | -.2386 | -.2440 | -.2832 | -.4155 | .0836 | .1334 | |
| 50.100 | -.2348 | -.2702 | -.2763 | -.3998 | .0708 | .1435 | |
| 101.400 | -.3371 | -.4355 | -.5478 | -.4292 | | .1435 | |
| 115.600 | -.4609 | -.6063 | -.6370 | -.4724 | | .1370 | |
| 133.800 | -.4724 | -.5063 | -.5886 | -.2822 | | .1278 | |
| 149.100 | -.4640 | -.4832 | -.4201 | -.2179 | | .1334 | |
| 180.000 | -.4101 | -.3394 | -.3677 | -.2703 | .1343 | .1416 | .1665 |

OA172 TAILCONE PRESSURES GEAR ON (CFG047)

ALPHA ( 2) = 10.900 BETA ( 3) = -2.010 Q(PSF) = 61.090 PO = 2128.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2463 | -.2501 | -.3232 | -.3795 | .1324 | .0928 | .1720 |
| 44.800 | -.2270 | -.2347 | -.2855 | -.3841 | .1048 | .1315 | |
| 50.100 | -.2093 | -.2755 | -.2916 | -.3961 | .0974 | .1333 | |
| 101.400 | -.3601 | -.4493 | -.5370 | -.3906 | | .1389 | |
| 115.600 | -.4454 | -.5723 | -.5869 | -.3823 | | .1407 | |
| 133.800 | -.4508 | -.4716 | -.5216 | -.2132 | | .1435 | |
| 149.100 | -.4508 | -.4501 | -.3916 | -.2105 | | .1352 | |
| 180.000 | -.4939 | -.3032 | -.3961 | -.3143 | .1361 | .1352 | .1720 |

ALPHA ( 2) = 10.900 BETA ( 4) = -1.000 Q(PSF) = 61.090 PO = 2128.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2056 | -.2279 | -.3187 | -.3641 | .1260 | .0929 | .1610 |
| 44.800 | -.2248 | -.2164 | -.2656 | -.3944 | .1168 | .1444 | |
| 50.100 | -.2033 | -.2733 | -.2948 | -.3871 | .0993 | .1444 | |
| 101.400 | -.3648 | -.4518 | -.5356 | -.3815 | | .1417 | |
| 115.600 | -.4441 | -.5664 | -.5787 | -.3613 | | .1500 | |
| 133.800 | -.4456 | -.4672 | -.5072 | -.2170 | | .1444 | |
| 149.100 | -.4564 | -.4618 | -.4064 | -.2170 | | .1380 | |
| 180.000 | -.4849 | -.2810 | -.3972 | -.3089 | .1380 | .1472 | .1610 |

ALPHA ( 2) = 10.900 BETA ( 5) = .000 Q(PSF) = 61.090 PO = 2128.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2215 | -.2261 | -.2945 | -.3765 | .1176 | .0900 | .1572 |
| 44.800 | -.2215 | -.2538 | -.2738 | -.3958 | .1121 | .1489 | |
| 50.100 | -.1985 | -.2822 | -.2953 | -.3922 | .1093 | .1397 | |
| 101.400 | -.3691 | -.4513 | -.5297 | -.3747 | | .1516 | |
| 115.600 | -.4421 | -.5551 | -.5620 | -.3398 | | .1526 | |
| 133.800 | -.4436 | -.4636 | -.4936 | -.2195 | | .1461 | |
| 149.100 | -.4636 | -.4697 | -.4167 | -.2204 | | .1406 | |
| 180.000 | -.4851 | -.2768 | -.4004 | -.3150 | .1415 | .1388 | .1572 |

OA172 TAILCONE PRESSURES GEAR ON (CFG047)

ALPHA ( 2) = 10.900 BETA ( 6) = .980 Q(PSF) = 61.090 PO = 2128.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2548 | -.2525 | -.3033 | -.3934 | .1168 | .0919 | .1564 |
| 44.800 | -.2456 | -.2433 | -.2771 | -.3907 | .1214 | .1435 | |
| 50.100 | -.2009 | -.2871 | -.2963 | -.3962 | .1067 | .1463 | |
| 101.400 | -.3725 | -.4540 | -.5256 | -.3677 | | .1352 | |
| 115.600 | -.4386 | -.5471 | -.5502 | -.3263 | | .1389 | |
| 133.800 | -.4479 | -.4656 | -.5056 | -.2252 | | .1398 | |
| 149.100 | -.4717 | -.4809 | -.4294 | -.2234 | | .1380 | |
| 180.000 | -.4617 | -.2994 | -.3953 | -.3089 | .1407 | .1343 | .1564 |

ALPHA ( 2) = 10.900 BETA ( 7) = 1.980 Q(PSF) = 61.090 PO = 2128.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2182 | -.2412 | -.3271 | -.3871 | .1175 | .0789 | .1514 |
| 44.800 | -.2343 | -.2481 | -.2949 | -.4283 | .1156 | .1395 | |
| 50.100 | -.1836 | -.2918 | -.3018 | -.4173 | .1119 | .1459 | |
| 101.400 | -.3755 | -.4515 | -.5190 | -.3568 | | .1395 | |
| 115.600 | -.4300 | -.5252 | -.5321 | -.3091 | | .1469 | |
| 133.800 | -.4507 | -.4661 | -.5190 | -.2229 | | .1294 | |
| 149.100 | -.4730 | -.4822 | -.4338 | -.2257 | | .1349 | |
| 180.000 | -.4323 | -.3202 | -.4063 | -.3183 | .1367 | .1331 | .1514 |

ALPHA ( 2) = 10.900 BETA ( 8) = 5.970 Q(PSF) = 61.090 PO = 2128.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2564 | -.2595 | -.3378 | -.4227 | .1082 | .1000 | .1799 |
| 44.800 | -.2618 | -.2610 | -.3109 | -.4456 | .1321 | .1725 | |
| 50.100 | -.1659 | -.3086 | -.3147 | -.4364 | .1385 | .1762 | |
| 101.400 | -.3815 | -.4452 | -.4951 | -.3163 | | .1854 | |
| 115.600 | -.4559 | -.5534 | -.5327 | -.2751 | | .1817 | |
| 133.800 | -.4751 | -.4889 | -.5396 | -.2072 | | .1633 | |
| 149.100 | -.4920 | -.5012 | -.4628 | -.2457 | | .1633 | |
| 180.000 | -.4045 | -.3562 | -.3704 | -.2687 | .1358 | .1440 | .1799 |

OA172 TAILCONE PRESSURES GEAR ON (CFG047)

ALPHA ( 2) = 10.910 BETA ( 9) = 9.970 Q(PSF) = 61.090 PO = 2128.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2194 | -.2440 | -.3102 | -.3898 | .1048 | .1177 | .2052 |
| 44.800 | -.2240 | -.2225 | -.2887 | -.4201 | .1232 | .1914 | |
| 50.100 | -.1540 | -.3271 | -.3056 | -.4137 | .1260 | .1932 | |
| 101.400 | -.3925 | -.4548 | -.4887 | -.2969 | | .2006 | |
| 115.600 | -.4848 | -.5571 | -.5202 | -.2482 | | .1997 | |
| 133.800 | -.5141 | -.5179 | -.5464 | -.2161 | | .1352 | |
| 149.100 | -.5387 | -.5318 | -.4733 | -.2427 | | .1021 | |
| 180.000 | -.5094 | -.3956 | -.3797 | -.2850 | .1168 | .0837 | .2052 |

ALPHA ( 3) = 21.750 BETA ( 1) = -9.980 Q(PSF) = 61.513 PO = 2127.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2089 | -.2418 | -.3703 | -.3765 | .1436 | .0786 | .1683 |
| 44.800 | -.2158 | -.2181 | -.2823 | -.4231 | .1124 | .1289 | |
| 50.100 | -.1929 | -.2426 | -.2326 | -.3737 | .0722 | .1188 | |
| 101.400 | -.3680 | -.4651 | -.5645 | -.3911 | | .0749 | |
| 115.600 | -.4659 | -.6264 | -.7281 | -.5537 | | .0804 | |
| 133.800 | -.5821 | -.6234 | -.7411 | -.4121 | | .0722 | |
| 149.100 | -.5461 | -.5660 | -.4804 | -.2696 | | .0795 | |
| 180.000 | -.4536 | -.3733 | -.3966 | -.2943 | .1335 | .0986 | .1683 |

ALPHA ( 3) = 21.780 BETA ( 2) = -5.970 Q(PSF) = 61.513 PO = 2127.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1987 | -.2277 | -.3842 | -.3668 | .1781 | .1214 | .2210 |
| 44.800 | -.2132 | -.2247 | -.2941 | -.4234 | .1680 | .1909 | |
| 50.100 | -.2079 | -.2537 | -.2499 | -.3841 | .1424 | .1909 | |
| 101.400 | -.3842 | -.4866 | -.5759 | -.3696 | | .2037 | |
| 115.600 | -.4950 | -.6553 | -.7042 | -.4736 | | .2128 | |
| 133.800 | -.5522 | -.5759 | -.6568 | -.2865 | | .1964 | |
| 149.100 | -.4644 | -.4698 | -.4102 | -.2291 | | .1945 | |
| 180.000 | -.4507 | -.4385 | -.4471 | -.2838 | .1726 | .1945 | .2210 |

0A172 TAILCONE PRESSURES GEAR ON (CFG047)

ALPHA ( 3) = 21.780 BETA ( 3) = -2.010 Q(PSF) = 61.513 PO = 2127.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2034 | -.2347 | -.3875 | -.3761 | .1937 | .1453 | .2449 |
| 44.800 | -.2278 | -.2378 | -.2935 | -.4300 | .1827 | .2129 | |
| 50.100 | -.2095 | -.2614 | -.2523 | -.3825 | .1736 | .2166 | |
| 101.400 | -.3837 | -.4647 | -.5220 | -.3031 | | .2394 | |
| 115.600 | -.5189 | -.6602 | -.6656 | -.3633 | | .2413 | |
| 133.800 | -.5281 | -.5502 | -.5930 | -.2401 | | .2321 | |
| 149.100 | -.4998 | -.5006 | -.4478 | -.2602 | | .2340 | |
| 180.000 | -.5296 | -.3348 | -.4528 | -.3843 | .2294 | .2358 | .2449 |

ALPHA ( 3) = 21.780 BETA ( 4) = -.990 Q(PSF) = 61.513 PO = 2127.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1875 | -.2234 | -.3733 | -.3509 | .1948 | .1463 | .2506 |
| 44.800 | -.2150 | -.2166 | -.2884 | -.4176 | .1847 | .2186 | |
| 50.100 | -.2051 | -.2510 | -.2647 | -.3874 | .1756 | .2213 | |
| 101.400 | -.3787 | -.4605 | -.5117 | -.2951 | | .2378 | |
| 115.600 | -.5171 | -.6585 | -.6555 | -.3518 | | .2406 | |
| 133.800 | -.5255 | -.5484 | -.5836 | -.2412 | | .2351 | |
| 149.100 | -.6501 | -.6340 | -.5614 | -.3253 | | .2378 | |
| 180.000 | -.5278 | -.3328 | -.4550 | -.3828 | .2296 | .2387 | .2506 |

ALPHA ( 3) = 21.790 BETA ( 5) = .000 Q(PSF) = 61.513 PO = 2127.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1765 | -.2193 | -.3667 | -.3385 | .2037 | .1488 | .2484 |
| 44.800 | -.2056 | -.2056 | -.2903 | -.4060 | .1936 | .2256 | |
| 50.100 | -.2017 | -.2445 | -.2789 | -.3905 | .1790 | .2265 | |
| 101.400 | -.3789 | -.4529 | -.4995 | -.2838 | | .2420 | |
| 115.600 | -.5155 | -.6476 | -.6385 | -.3285 | | .2430 | |
| 133.800 | -.5331 | -.5522 | -.5751 | -.2418 | | .2375 | |
| 149.100 | -.5804 | -.5873 | -.5927 | -.3859 | | .2375 | |
| 180.000 | -.5125 | -.3315 | -.4562 | -.3850 | .2320 | .2375 | .2484 |

OA172 TAILCONE PRESSURES GEAR ON (CFG047)

ALPHA ( 3) = 21.780 BETA ( 6) = .970 Q(PSF) = 61.513 PO = 2127.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1765 | -.2162 | -.3612 | -.3502 | .1935 | .1424 | .2419 |
| 44.800 | -.2009 | -.2062 | -.2917 | -.4049 | .1871 | .2209 | |
| 50.100 | -.2047 | -.2619 | -.2932 | -.3949 | .1725 | .2228 | |
| 101.400 | -.3787 | -.4474 | -.4825 | -.2736 | | .2365 | |
| 115.600 | -.5268 | -.6497 | -.6321 | -.3092 | | .2429 | |
| 133.800 | -.5657 | -.5680 | -.5573 | -.2572 | | .2365 | |
| 149.100 | -.5077 | -.5252 | -.5275 | -.3539 | | .2328 | |
| 180.000 | -.4978 | -.3314 | -.4606 | -.3821 | .2273 | .2301 | .2419 |

ALPHA ( 3) = 21.780 BETA ( 7) = 1.970 Q(PSF) = 61.513 PO = 2127.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1854 | -.2190 | -.3631 | -.3499 | .1933 | .1431 | .2389 |
| 44.800 | -.1969 | -.2075 | -.2975 | -.4072 | .1906 | .2243 | |
| 50.100 | -.2205 | -.3211 | -.3089 | -.4000 | .1787 | .2243 | |
| 101.400 | -.3768 | -.4446 | -.4706 | -.2524 | | .2399 | |
| 115.600 | -.5331 | -.6444 | -.6139 | -.2852 | | .2399 | |
| 133.800 | -.6749 | -.6840 | -.6795 | -.3225 | | .2326 | |
| 149.100 | -.5056 | -.5232 | -.5026 | -.3070 | | .2326 | |
| 180.000 | -.4751 | -.3379 | -.4537 | -.3744 | .2280 | .2253 | .2389 |

ALPHA ( 3) = 21.760 BETA ( 8) = 5.970 Q(PSF) = 61.513 PO = 2127.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1734 | -.2146 | -.3573 | -.3529 | .1752 | .1058 | .2026 |
| 44.800 | -.1871 | -.1947 | -.2993 | -.3975 | .1734 | .1880 | |
| 50.100 | -.2329 | -.5167 | -.3618 | -.4021 | .1688 | .1889 | |
| 101.400 | -.3306 | -.3664 | -.3802 | -.1988 | | .2054 | |
| 115.600 | -.5495 | -.6327 | -.5625 | -.2344 | | .2044 | |
| 133.800 | -.5320 | -.5473 | -.5999 | -.2262 | | .1980 | |
| 149.100 | -.5350 | -.5419 | -.4938 | -.2489 | | .1898 | |
| 180.000 | -.4374 | -.4503 | -.4386 | -.2954 | .1770 | .1843 | .2026 |

0A172 TAILCONE PRESSURES GEAR ON (CFG047)

ALPHA ( 3) = 21.730 BETA ( 9) = 9.970 Q(PSF) = 61.513 PO = 2127.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1910 | -.2254 | -.3522 | -.3449 | .1488 | .0748 | .1744 |
| 44.800 | -.2269 | -.2285 | -.3117 | -.3960 | .1580 | .1634 | |
| 50.100 | -.2476 | -.4247 | -.3606 | -.3987 | .1580 | .1625 | |
| 101.400 | -.3460 | -.4048 | -.4117 | -.2208 | | .1900 | |
| 115.600 | -.5950 | -.6629 | -.5514 | -.2090 | | .1900 | |
| 133.800 | -.5827 | -.5911 | -.6385 | -.2391 | | .1470 | |
| 149.100 | -.6034 | -.6049 | -.5407 | -.2747 | | .1223 | |
| 180.000 | -.4377 | -.3819 | -.3869 | -.2783 | .1433 | .1013 | .1744 |

0A172 TAILCONE PRESSURES GEAR ON (CFG048) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

ALPHA ( 1) = -4.280 BETA ( 1) = -9.960 Q(PSF) = 61.196 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2719 | -.2704 | -.2151 | -.1126 | .0794 | .0776 | .1189 |
| 44.800 | -.3011 | -.2888 | -.2473 | -.1925 | .0904 | .1272 | |
| 50.100 | -.2527 | -.3834 | -.3011 | -.1943 | .0895 | .1281 | |
| 101.400 | -.3665 | -.4564 | -.5263 | -.3412 | | .1383 | |
| 115.600 | -.3780 | -.5109 | -.5471 | -.3384 | | .1419 | |
| 133.800 | -.3526 | -.4049 | -.5624 | -.2944 | | .1401 | |
| 149.100 | -.3741 | -.4295 | -.4610 | -.3026 | | .1346 | |
| 180.000 | -.4702 | -.3741 | -.4707 | -.3990 | .1245 | .1300 | .1189 |

ALPHA ( 1) = -4.280 BETA ( 2) = -5.980 Q(PSF) = 61.196 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2553 | -.2553 | -.1984 | -.0934 | .0824 | .0804 | .1200 |
| 44.800 | -.2799 | -.2630 | -.2130 | -.1467 | .0942 | .1255 | |
| 50.100 | -.2438 | -.3438 | -.2745 | -.1651 | .0951 | .1246 | |
| 101.400 | -.3815 | -.4607 | -.5053 | -.3039 | | .1301 | |
| 115.600 | -.4115 | -.5276 | -.5392 | -.3011 | | .1329 | |
| 133.800 | -.3822 | -.4276 | -.5653 | -.2827 | | .1366 | |
| 149.100 | -.3992 | -.4445 | -.4745 | -.3121 | | .1338 | |
| 180.000 | -.4315 | -.3499 | -.4684 | -.4077 | .1237 | .1320 | .1200 |

ALPHA ( 1) = -4.290 BETA ( 3) = -1.010 Q(PSF) = 61.196 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2417 | -.2410 | -.1803 | -.0932 | .0848 | .0655 | .1170 |
| 44.800 | -.2640 | -.2379 | -.1865 | -.1170 | .0848 | .1078 | |
| 50.100 | -.2364 | -.3055 | -.2625 | -.1446 | .0830 | .1124 | |
| 101.400 | -.3907 | -.4552 | -.4744 | -.2592 | | .1152 | |
| 115.600 | -.4536 | -.5473 | -.5235 | -.2565 | | .1234 | |
| 133.800 | -.4314 | -.4667 | -.5788 | -.2757 | | .1152 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 1) = -4.290 BETA ( 3) = -1.010

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4429 | -.4805 | -.5120 | -.3418 | | .1151 | |
| 180.000 | -.4007 | -.3216 | -.4556 | -.3923 | .1234 | .1170 | .1170 |

ALPHA ( 1) = -4.280 BETA ( 4) = .000 Q(PSF) = 61.196 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2402 | -.2387 | -.1895 | -.0904 | .0894 | .0637 | .1170 |
| 44.800 | -.2534 | -.2264 | -.1849 | -.1180 | .0913 | .1161 | |
| 50.100 | -.2287 | -.3055 | -.2655 | -.1446 | .0885 | .1106 | |
| 101.400 | -.3922 | -.4552 | -.4721 | -.2546 | | .1225 | |
| 115.600 | -.4636 | -.5557 | -.5243 | -.2519 | | .1262 | |
| 133.800 | -.4444 | -.4767 | -.5849 | -.2776 | | .1216 | |
| 149.100 | -.4544 | -.4905 | -.5235 | -.3519 | | .1179 | |
| 180.000 | -.3961 | -.3231 | -.4546 | -.3950 | .1243 | .1234 | .1170 |

ALPHA ( 1) = -4.280 BETA ( 5) = .980 Q(PSF) = 61.196 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2399 | -.2383 | -.1877 | -.0894 | .0884 | .0719 | .1150 |
| 44.800 | -.2567 | -.2230 | -.1801 | -.1123 | .0939 | .1187 | |
| 50.100 | -.2330 | -.3020 | -.2613 | -.1425 | .0893 | .1178 | |
| 101.400 | -.3917 | -.4523 | -.4638 | -.2506 | | .1334 | |
| 115.600 | -.4730 | -.5573 | -.5190 | -.2424 | | .1334 | |
| 133.800 | -.4546 | -.4868 | -.5864 | -.2763 | | .1233 | |
| 149.100 | -.4630 | -.4998 | -.5320 | -.3596 | | .1214 | |
| 180.000 | -.3886 | -.3319 | -.4577 | -.3954 | .1251 | .1150 | .1150 |

0A172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 1) = -4.280 BETA ( 6) = 1.980 Q(PSF) = 61.196 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2401 | -.2409 | -.1879 | -.0913 | .0894 | .0738 | .1114 |
| 44.800 | -.2624 | -.2309 | -.1757 | -.1115 | .0995 | .1261 | |
| 50.100 | -.2240 | -.3146 | -.2601 | -.1409 | .0977 | .1243 | |
| 101.400 | -.3913 | -.4520 | -.4581 | -.2436 | | .1408 | |
| 115.600 | -.4804 | -.5617 | -.5157 | -.2344 | | .1390 | |
| 133.800 | -.4673 | -.4965 | -.5924 | -.2775 | | .1243 | |
| 149.100 | -.4742 | -.5095 | -.5433 | -.3710 | | .1206 | |
| 180.000 | -.3821 | -.3414 | -.4591 | -.3985 | .1289 | .1170 | .1114 |

ALPHA ( 1) = -4.270 BETA ( 7) = 5.980 Q(PSF) = 61.196 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2334 | -.2364 | -.1859 | -.0920 | .0873 | .0699 | .0736 |
| 44.800 | -.2617 | -.2502 | -.1767 | -.1158 | .0947 | .1313 | |
| 50.100 | -.2188 | -.3260 | -.2632 | -.1441 | .0983 | .1331 | |
| 101.400 | -.3941 | -.4400 | -.4309 | -.2310 | | .1670 | |
| 115.600 | -.5112 | -.5694 | -.4898 | -.2045 | | .1505 | |
| 133.800 | -.5181 | -.5373 | -.6092 | -.2786 | | .1166 | |
| 149.100 | -.5250 | -.5518 | -.5870 | -.4121 | | .1139 | |
| 180.000 | -.4064 | -.3650 | -.4606 | -.4048 | .1148 | .1075 | .0736 |

ALPHA ( 1) = -4.270 BETA ( 8) = 9.960 Q(PSF) = 61.196 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2454 | -.2462 | -.1971 | -.1032 | .0811 | .0784 | .1004 |
| 44.800 | -.2646 | -.2385 | -.1764 | -.1216 | .0875 | .1399 | |
| 50.100 | -.2117 | -.3183 | -.2593 | -.1463 | .0931 | .1445 | |
| 101.400 | -.3958 | -.4388 | -.4173 | -.2444 | | .1674 | |
| 115.600 | -.4826 | -.5056 | -.4127 | -.1848 | | .1601 | |
| 133.800 | -.5639 | -.5700 | -.6046 | -.2371 | | .1280 | |
| 149.100 | -.5700 | -.5892 | -.6176 | -.4260 | | .1215 | |
| 180.000 | -.4718 | -.3874 | -.4535 | -.3911 | .1243 | .1224 | .1004 |

OA172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 2) = .060 BETA ( 1) = -9.980 Q(PSF) = 61.098 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2381 | -.2381 | -.1911 | -.0825 | .1110 | .0953 | .1405 |
| 44.800 | -.2705 | -.2767 | -.2497 | -.2050 | .1073 | .1405 | |
| 50.100 | -.2242 | -.3699 | -.3152 | -.2235 | .1055 | .1405 | |
| 101.400 | -.3607 | -.4563 | -.5395 | -.3708 | | .1535 | |
| 115.600 | -.3861 | -.5218 | -.5619 | -.3718 | | .1553 | |
| 133.800 | -.3838 | -.4301 | -.5658 | -.2861 | | .1481 | |
| 149.100 | -.4015 | -.4478 | -.4478 | -.2732 | | .1415 | |
| 180.000 | -.4863 | -.3738 | -.4445 | -.3589 | .1405 | .1387 | .1405 |

ALPHA ( 2) = .060 BETA ( 2) = -6.000 Q(PSF) = 61.098 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2244 | -.2252 | -.1752 | -.0731 | .1144 | .0942 | .1494 |
| 44.800 | -.2391 | -.1944 | -.2091 | -.1448 | .1117 | .1430 | |
| 50.100 | -.2183 | -.2721 | -.2929 | -.1889 | .1098 | .1420 | |
| 101.400 | -.3767 | -.4613 | -.5197 | -.3341 | | .1476 | |
| 115.600 | -.4082 | -.5282 | -.5459 | -.3231 | | .1494 | |
| 133.800 | -.3998 | -.4390 | -.5551 | -.2606 | | .1448 | |
| 149.100 | -.4175 | -.4559 | -.4544 | -.2716 | | .1439 | |
| 180.000 | -.4459 | -.3521 | -.4379 | -.3561 | .1439 | .1448 | .1494 |

ALPHA ( 2) = .040 BETA ( 3) = -2.010 Q(PSF) = 61.098 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2106 | -.2106 | -.1660 | -.0731 | .1255 | .1163 | .1770 |
| 44.800 | -.2229 | -.1645 | -.1837 | -.1255 | .1301 | .1614 | |
| 50.100 | -.2175 | -.2667 | -.2860 | -.1659 | .1328 | .1641 | |
| 101.400 | -.3882 | -.4621 | -.4990 | -.3010 | | .1614 | |
| 115.600 | -.4290 | -.5328 | -.5274 | -.2817 | | .1678 | |
| 133.800 | -.4244 | -.4567 | -.5513 | -.2440 | | .1678 | |
| 149.100 | -.4413 | -.4721 | -.4705 | -.2808 | | .1687 | |
| 180.000 | -.4298 | -.3344 | -.4186 | -.3350 | .1503 | .1678 | .1770 |

0A172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 2) = .040 BETA ( 4) = -1.000 Q(PSF) = 61.098 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2127 | -.2127 | -.1651 | -.0694 | .1309 | .1189 | .1778 |
| 44.800 | -.2273 | -.1720 | -.1812 | -.1226 | .1327 | .1686 | |
| 50.100 | -.2204 | -.2826 | -.2818 | -.1649 | .1364 | .1686 | |
| 101.400 | -.3879 | -.4585 | -.4900 | -.2897 | | .1631 | |
| 115.600 | -.4324 | -.5300 | -.5185 | -.2695 | | .1732 | |
| 133.800 | -.4301 | -.4601 | -.5492 | -.2392 | | .1750 | |
| 149.100 | -.4493 | -.4770 | -.4747 | -.2851 | | .1750 | |
| 180.000 | -.4148 | -.3233 | -.4145 | -.3328 | .1493 | .1722 | .1778 |

ALPHA ( 2) = .040 BETA ( 5) = .000 Q(PSF) = 61.098 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2151 | -.2151 | -.1644 | -.0685 | .1337 | .1208 | .1815 |
| 44.800 | -.2290 | -.1767 | -.1782 | -.1172 | .1355 | .1696 | |
| 50.100 | -.2220 | -.2989 | -.2751 | -.1576 | .1355 | .1696 | |
| 101.400 | -.3873 | -.4534 | -.4796 | -.2761 | | .1696 | |
| 115.600 | -.4365 | -.5288 | -.5119 | -.2577 | | .1751 | |
| 133.800 | -.4373 | -.4650 | -.5495 | -.2366 | | .1769 | |
| 149.100 | -.4565 | -.4834 | -.4819 | -.2899 | | .1769 | |
| 180.000 | -.4065 | -.3243 | -.4194 | -.3340 | .1503 | .1760 | .1815 |

ALPHA ( 2) = .050 BETA ( 6) = .980 Q(PSF) = 61.098 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2169 | -.2169 | -.1654 | -.0649 | .1320 | .1210 | .1818 |
| 44.800 | -.2300 | -.1907 | -.1730 | -.1109 | .1366 | .1707 | |
| 50.100 | -.2238 | -.2939 | -.2662 | -.1495 | .1357 | .1716 | |
| 101.400 | -.3839 | -.4478 | -.4678 | -.2635 | | .1707 | |
| 115.600 | -.4409 | -.5301 | -.5063 | -.2461 | | .1781 | |
| 133.800 | -.4447 | -.4701 | -.5509 | -.2323 | | .1781 | |
| 149.100 | -.4647 | -.4901 | -.4901 | -.2930 | | .1771 | |
| 180.000 | -.3993 | -.3354 | -.4217 | -.3352 | .1495 | .1762 | .1818 |

0A172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 2) = .050 BETA ( 7) = 1.970 Q(PSF) = 61.098 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2176 | -.2184 | -.1653 | -.0704 | .1320 | .1218 | .1798 |
| 44.800 | -.2322 | -.1937 | -.1691 | -.1062 | .1329 | .1734 | |
| 50.100 | -.2261 | -.2961 | -.2614 | -.1467 | .1366 | .1725 | |
| 101.400 | -.3830 | -.4430 | -.4607 | -.2570 | | .1706 | |
| 115.600 | -.4461 | -.5291 | -.4999 | -.2358 | | .1798 | |
| 133.800 | -.4530 | -.4768 | -.5499 | -.2312 | | .1789 | |
| 149.100 | -.4745 | -.4961 | -.4968 | -.3002 | | .1798 | |
| 180.000 | -.3991 | -.3430 | -.4233 | -.3369 | .1513 | .1780 | .1798 |

ALPHA ( 2) = .050 BETA ( 8) = 5.970 Q(PSF) = 61.098 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2184 | -.2168 | -.1655 | -.0692 | .1113 | .0902 | .1251 |
| 44.800 | -.2291 | -.1923 | -.1601 | -.0949 | .1122 | .1416 | |
| 50.100 | -.2291 | -.2927 | -.2444 | -.1352 | .1186 | .1453 | |
| 101.400 | -.3770 | -.4223 | -.4169 | -.2204 | | .1590 | |
| 115.600 | -.4629 | -.5257 | -.4698 | -.1984 | | .1553 | |
| 133.800 | -.4897 | -.5051 | -.5572 | -.2231 | | .1342 | |
| 149.100 | -.5150 | -.5311 | -.5326 | -.3284 | | .1287 | |
| 180.000 | -.4261 | -.3701 | -.4338 | -.3532 | .1370 | .1269 | .1251 |

ALPHA ( 2) = .050 BETA ( 9) = 9.960 Q(PSF) = 61.098 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2264 | -.2264 | -.1788 | -.0813 | .1124 | .1005 | .1400 |
| 44.800 | -.2256 | -.1803 | -.1412 | -.0831 | .1244 | .1620 | |
| 50.100 | -.2333 | -.2425 | -.2157 | -.1051 | .1280 | .1639 | |
| 101.400 | -.3685 | -.3984 | -.3692 | -.1905 | | .1850 | |
| 115.600 | -.4675 | -.5044 | -.4161 | -.1574 | | .1758 | |
| 133.800 | -.5282 | -.5335 | -.5550 | -.1932 | | .1437 | |
| 149.100 | -.5573 | -.5681 | -.5635 | -.3427 | | .1299 | |
| 180.000 | -.4875 | -.3892 | -.4308 | -.3501 | .1427 | .1345 | .1400 |

OA172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 3) = 5.450 BETA ( 1) = -9.990 Q(PSF) = 61.074 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2057 | -.2064 | -.1841 | -.0954 | .1202 | .1331 | .2106 |
| 44.800 | -.2442 | -.2303 | -.2380 | -.1976 | .1018 | .1700 | |
| 50.100 | -.2195 | -.3336 | -.3105 | -.2409 | .0962 | .1663 | |
| 101.400 | -.3398 | -.4407 | -.5386 | -.3928 | | .1811 | |
| 115.600 | -.4068 | -.5494 | -.5902 | -.4204 | | .1839 | |
| 133.800 | -.4184 | -.4577 | -.5710 | -.2805 | | .1562 | |
| 149.100 | -.4230 | -.4561 | -.4230 | -.2335 | | .1562 | |
| 180.000 | -.4862 | -.3567 | -.3974 | -.2943 | .1580 | .1636 | .2106 |

ALPHA ( 3) = 5.450 BETA ( 2) = -5.970 Q(PSF) = 61.074 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2097 | -.2087 | -.1640 | -.0613 | .1405 | .1396 | .2124 |
| 44.800 | -.2349 | -.2018 | -.1933 | -.1442 | .1276 | .1930 | |
| 50.100 | -.2187 | -.3228 | -.2989 | -.1948 | .1230 | .1912 | |
| 101.400 | -.3605 | -.4514 | -.5269 | -.3633 | | .2087 | |
| 115.600 | -.4175 | -.5439 | -.5662 | -.3651 | | .1995 | |
| 133.800 | -.4214 | -.4561 | -.5485 | -.2454 | | .1875 | |
| 149.100 | -.4306 | -.4576 | -.4214 | -.2233 | | .1921 | |
| 180.000 | -.4453 | -.3520 | -.3771 | -.2740 | .1718 | .1940 | .2124 |

ALPHA ( 3) = 5.440 BETA ( 3) = -2.010 Q(PSF) = 61.074 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2138 | -.2161 | -.1553 | -.0539 | .1430 | .1283 | .1937 |
| 44.800 | -.2461 | -.2722 | -.1807 | -.1292 | .1375 | .1780 | |
| 50.100 | -.2199 | -.3522 | -.2784 | -.1770 | .1384 | .1771 | |
| 101.400 | -.3722 | -.4507 | -.5007 | -.3223 | | .1752 | |
| 115.600 | -.4222 | -.5322 | -.5330 | -.3057 | | .1835 | |
| 133.800 | -.4253 | -.4515 | -.5184 | -.2129 | | .1844 | |
| 149.100 | -.4407 | -.4592 | -.4222 | -.2166 | | .1854 | |
| 180.000 | -.4245 | -.3199 | -.3700 | -.2653 | .1577 | .1854 | .1937 |

0A172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 3) = 5.440 BETA ( 4) = -1.010 Q(PSF) = 61.074 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2128 | -.2098 | -.1536 | -.0547 | .1429 | .1310 | .1954 |
| 44.800 | -.2413 | -.2497 | -.1759 | -.1209 | .1438 | .1797 | |
| 50.100 | -.2144 | -.3358 | -.2674 | -.1705 | .1448 | .1816 | |
| 101.400 | -.3712 | -.4458 | -.4881 | -.3064 | | .1616 | |
| 115.600 | -.4196 | -.5273 | -.5203 | -.2880 | | .1871 | |
| 133.800 | -.4258 | -.4519 | -.5119 | -.2045 | | .1898 | |
| 149.100 | -.4450 | -.4604 | -.4235 | -.2182 | | .1908 | |
| 180.000 | -.4135 | -.2905 | -.3771 | -.2706 | .1641 | .1908 | .1954 |

ALPHA ( 3) = 5.440 BETA ( 5) = .000 Q(PSF) = 61.074 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2112 | -.2127 | -.1543 | -.0565 | .1428 | .1355 | .1980 |
| 44.800 | -.2450 | -.2012 | -.1728 | -.1162 | .1465 | .1833 | |
| 50.100 | -.2142 | -.3364 | -.2634 | -.1639 | .1493 | .1833 | |
| 101.400 | -.3702 | -.4394 | -.4739 | -.2915 | | .1824 | |
| 115.600 | -.4209 | -.5193 | -.5100 | -.2732 | | .1888 | |
| 133.800 | -.4301 | -.4524 | -.5085 | -.1970 | | .1916 | |
| 149.100 | -.4501 | -.4647 | -.4271 | -.2190 | | .1906 | |
| 180.000 | -.4056 | -.2942 | -.3788 | -.2750 | .1640 | .1897 | .1980 |

ALPHA ( 3) = 5.440 BETA ( 6) = .980 Q(PSF) = 61.074 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2110 | -.2110 | -.1542 | -.0556 | .1464 | .1353 | .1997 |
| 44.800 | -.2386 | -.2064 | -.1680 | -.1106 | .1500 | .1868 | |
| 50.100 | -.2110 | -.3376 | -.2578 | -.1555 | .1537 | .1850 | |
| 101.400 | -.3691 | -.4343 | -.4658 | -.2784 | | .1877 | |
| 115.600 | -.4190 | -.5119 | -.4988 | -.2573 | | .1895 | |
| 133.800 | -.4328 | -.4551 | -.5057 | -.1904 | | .1914 | |
| 149.100 | -.4535 | -.4643 | -.4244 | -.2179 | | .1923 | |
| 180.000 | -.3975 | -.3138 | -.3857 | -.2803 | .1666 | .1914 | .1997 |

OA172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 3) = 5.440 BETA ( 7) = 1.970 Q(PSF) = 61.074 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2111 | -.2119 | -.1520 | -.0538 | .1455 | .1364 | .1980 |
| 44.800 | -.2365 | -.2127 | -.1635 | -.1024 | .1529 | .1860 | |
| 50.100 | -.2073 | -.3271 | -.2511 | -.1465 | .1529 | .1842 | |
| 101.400 | -.3678 | -.4277 | -.4538 | -.2639 | | .1805 | |
| 115.600 | -.4193 | -.5045 | -.4884 | -.2410 | | .1860 | |
| 133.800 | -.4346 | -.4538 | -.4953 | -.1841 | | .1869 | |
| 149.100 | -.4638 | -.4761 | -.4415 | -.2263 | | .1888 | |
| 180.000 | -.3978 | -.3409 | -.3814 | -.2704 | .1566 | .1869 | .1980 |

ALPHA ( 3) = 5.440 BETA ( 8) = 5.960 Q(PSF) = 61.074 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2103 | -.2118 | -.1573 | -.0565 | .1372 | .1400 | .2089 |
| 44.800 | -.2233 | -.1895 | -.1396 | -.0804 | .1455 | .1914 | |
| 50.100 | -.2041 | -.2801 | -.2233 | -.1152 | .1446 | .1933 | |
| 101.400 | -.3661 | -.4183 | -.4222 | -.2198 | | .1832 | |
| 115.600 | -.4367 | -.5120 | -.4698 | -.2060 | | .1933 | |
| 133.800 | -.4590 | -.4705 | -.4928 | -.1758 | | .1951 | |
| 149.100 | -.4882 | -.4920 | -.4506 | -.2262 | | .1979 | |
| 180.000 | -.4252 | -.3515 | -.3721 | -.2730 | .1666 | .1896 | .2089 |

ALPHA ( 3) = 5.440 BETA ( 9) = 9.990 Q(PSF) = 61.074 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2196 | -.2204 | -.1764 | -.0880 | .1165 | .1202 | .1839 |
| 44.800 | -.2088 | -.1533 | -.1194 | -.0733 | .1359 | .1867 | |
| 50.100 | -.2065 | -.2157 | -.1672 | -.0825 | .1359 | .1904 | |
| 101.400 | -.3568 | -.3830 | -.3406 | -.1488 | | .2143 | |
| 115.600 | -.4092 | -.4323 | -.3368 | -.0890 | | .2088 | |
| 133.800 | -.4786 | -.4747 | -.4231 | -.0862 | | .1627 | |
| 149.100 | -.5295 | -.5233 | -.4601 | -.1829 | | .1507 | |
| 180.000 | -.4848 | -.3792 | -.3865 | -.2907 | .1535 | .1424 | .1839 |

OA172 TAILCONE PRESSURES GEAR ON (CF0048)

ALPHA ( 4) = 10.810 BETA ( 1) = -9.960 Q(PSF) = 61.006 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1907 | -.1907 | -.1690 | -.0845 | .1491 | .1676 | .2564 |
| 44.800 | -.2424 | -.2432 | -.1822 | -.1464 | .1158 | .2185 | |
| 50.100 | -.2092 | -.3081 | -.2818 | -.1934 | .1020 | .2138 | |
| 101.400 | -.3065 | -.4108 | -.5204 | -.3983 | | .2416 | |
| 115.600 | -.4401 | -.5884 | -.6255 | -.4841 | | .2406 | |
| 133.800 | -.4602 | -.4957 | -.5876 | -.2931 | | .1870 | |
| 149.100 | -.4432 | -.4687 | -.4069 | -.2063 | | .1852 | |
| 180.000 | -.4780 | -.3567 | -.3577 | -.2442 | .1787 | .1935 | .2564 |

ALPHA ( 4) = 10.800 BETA ( 2) = -5.970 Q(PSF) = 61.006 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1826 | -.1833 | -.1571 | -.0678 | .1636 | .1663 | .2549 |
| 44.800 | -.2219 | -.1841 | -.1710 | -.1341 | .1304 | .2125 | |
| 50.100 | -.2095 | -.3113 | -.2512 | -.1645 | .1248 | .2097 | |
| 101.400 | -.3329 | -.4277 | -.5171 | -.3726 | | .2420 | |
| 115.600 | -.4392 | -.5756 | -.5964 | -.4205 | | .2365 | |
| 133.800 | -.4492 | -.4770 | -.5533 | -.2437 | | .2263 | |
| 149.100 | -.4377 | -.4531 | -.3922 | -.1857 | | .2254 | |
| 180.000 | -.3876 | -.3213 | -.3358 | -.2345 | .1903 | .2282 | .2549 |

ALPHA ( 4) = 10.790 BETA ( 3) = -2.010 Q(PSF) = 61.006 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2040 | -.2040 | -.1501 | -.0420 | .1607 | .1570 | .2381 |
| 44.800 | -.2356 | -.2086 | -.1616 | -.1091 | .1533 | .2096 | |
| 50.100 | -.2125 | -.3226 | -.2364 | -.1506 | .1552 | .2096 | |
| 101.400 | -.3457 | -.4289 | -.4921 | -.3254 | | .2151 | |
| 115.600 | -.4251 | -.5437 | -.5460 | -.3300 | | .2142 | |
| 133.800 | -.4281 | -.4482 | -.4882 | -.1818 | | .2077 | |
| 149.100 | -.4289 | -.4281 | -.3673 | -.1828 | | .2096 | |
| 180.000 | -.4620 | -.2764 | -.3687 | -.2739 | .1838 | .2114 | .2381 |

0A172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 4) = 10.790 BETA ( 4) = -1.010 Q(PSF) = 61.006 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2069 | -.2077 | -.1492 | -.0419 | .1596 | .1532 | .2324 |
| 44.800 | -.2331 | -.2046 | -.1561 | -.1017 | .1587 | .2085 | |
| 50.100 | -.2115 | -.3139 | -.2323 | -.1421 | .1615 | .2075 | |
| 101.400 | -.3493 | -.4270 | -.4839 | -.3132 | | .2112 | |
| 115.600 | -.4239 | -.5378 | -.5347 | -.3104 | | .2103 | |
| 133.800 | -.4247 | -.4431 | -.4708 | -.1817 | | .2075 | |
| 149.100 | -.4355 | -.4378 | -.3777 | -.1844 | | .2085 | |
| 180.000 | -.4539 | -.2615 | -.3702 | -.2709 | .1808 | .2075 | .2324 |

ALPHA ( 4) = 10.790 BETA ( 5) = .000 Q(PSF) = 61.006 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2110 | -.2094 | -.1486 | -.0383 | .1561 | .1515 | .2290 |
| 44.800 | -.2341 | -.2002 | -.1509 | -.0944 | .1626 | .2078 | |
| 50.100 | -.2094 | -.3034 | -.2287 | -.1331 | .1663 | .2078 | |
| 101.400 | -.3504 | -.4259 | -.4768 | -.3006 | | .2096 | |
| 115.600 | -.4221 | -.5268 | -.5207 | -.2914 | | .2096 | |
| 133.800 | -.4252 | -.4421 | -.4652 | -.1856 | | .2059 | |
| 149.100 | -.4444 | -.4490 | -.3897 | -.1874 | | .2068 | |
| 180.000 | -.4367 | -.2611 | -.3761 | -.2795 | .1829 | .2087 | .2290 |

ALPHA ( 4) = 10.790 BETA ( 6) = .980 Q(PSF) = 61.006 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2112 | -.2097 | -.1482 | -.0409 | .1603 | .1530 | .2284 |
| 44.800 | -.2281 | -.1843 | -.1421 | -.0869 | .1640 | .2118 | |
| 50.100 | -.2066 | -.2804 | -.2212 | -.1190 | .1695 | .2109 | |
| 101.400 | -.3495 | -.4225 | -.4648 | -.2843 | | .2072 | |
| 115.600 | -.4164 | -.5140 | -.5024 | -.2732 | | .2091 | |
| 133.800 | -.4271 | -.4417 | -.4702 | -.1842 | | .2072 | |
| 149.100 | -.4502 | -.4548 | -.3995 | -.1878 | | .2063 | |
| 180.000 | -.3926 | -.2881 | -.3742 | -.2742 | .1824 | .2072 | .2284 |

0A172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 4) = 10.790 BETA ( 7) = 1.970 Q(PSF) = 61.006 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2132 | -.2132 | -.1516 | -.0420 | .1634 | .1616 | .2418 |
| 44.800 | -.2247 | -.1770 | -.1346 | -.0815 | .1745 | .2178 | |
| 50.100 | -.2039 | -.2648 | -.2124 | -.1091 | .1745 | .2187 | |
| 101.400 | -.3518 | -.4188 | -.4557 | -.2701 | | .2141 | |
| 115.600 | -.4088 | -.4965 | -.4873 | -.2572 | | .2169 | |
| 133.800 | -.4319 | -.4450 | -.4827 | -.1809 | | .2141 | |
| 149.100 | -.4557 | -.4619 | -.4041 | -.1882 | | .2123 | |
| 180.000 | -.3803 | -.3110 | -.3778 | -.2839 | .1837 | .2132 | .2418 |

ALPHA ( 4) = 10.790 BETA ( 8) = 5.960 Q(PSF) = 61.006 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2180 | -.2172 | -.1627 | -.0565 | .1630 | .1630 | .2484 |
| 44.800 | -.2118 | -.1550 | -.1120 | -.0684 | .1869 | .2245 | |
| 50.100 | -.2041 | -.2180 | -.1512 | -.0776 | .1887 | .2236 | |
| 101.400 | -.3454 | -.3999 | -.4145 | -.2125 | | .2245 | |
| 115.600 | -.4245 | -.5105 | -.4759 | -.2134 | | .2301 | |
| 133.800 | -.4491 | -.4583 | -.4913 | -.1583 | | .2282 | |
| 149.100 | -.4698 | -.4736 | -.4253 | -.1987 | | .2291 | |
| 180.000 | -.3792 | -.3347 | -.3391 | -.2327 | .1859 | .2236 | .2484 |

ALPHA ( 4) = 10.800 BETA ( 9) = 9.960 Q(PSF) = 61.006 PO = 2194.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2278 | -.2271 | -.1785 | -.0788 | .1441 | .1690 | .2685 |
| 44.800 | -.2094 | -.1462 | -.0938 | -.0420 | .1745 | .2335 | |
| 50.100 | -.2063 | -.1924 | -.1023 | -.0512 | .1791 | .2344 | |
| 101.400 | -.3495 | -.3996 | -.3919 | -.1726 | | .2464 | |
| 115.600 | -.4450 | -.5066 | -.4465 | -.1689 | | .2464 | |
| 133.800 | -.4789 | -.4789 | -.4827 | -.1441 | | .2243 | |
| 149.100 | -.5074 | -.4935 | -.4173 | -.1662 | | .2123 | |
| 180.000 | -.4658 | -.3688 | -.3401 | -.2343 | .1819 | .2068 | .2685 |

0A172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 5) = 16.210 BETA ( 1) = -9.980 Q(PSF) = 61.146 PO = 2194.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1910 | -.1887 | -.1586 | -.0613 | .1617 | .1820 | .2955 |
| 44.800 | -.2241 | -.1802 | -.1363 | -.1074 | .1239 | .2392 | |
| 50.100 | -.1987 | -.2349 | -.1848 | -.1285 | .1128 | .2346 | |
| 101.400 | -.2719 | -.3814 | -.5108 | -.4020 | | .2853 | |
| 115.600 | -.4576 | -.6125 | -.6518 | -.5337 | | .2844 | |
| 133.800 | -.5008 | -.5339 | -.6179 | -.3201 | | .2521 | |
| 149.100 | -.4507 | -.4684 | -.3914 | -.1958 | | .2392 | |
| 180.000 | -.4091 | -.3367 | -.3477 | -.2298 | .1829 | .2392 | .2955 |

ALPHA ( 5) = 16.200 BETA ( 2) = -5.970 Q(PSF) = 61.146 PO = 2194.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1959 | -.1951 | -.1567 | -.0529 | .1613 | .1576 | .2607 |
| 44.800 | -.2259 | -.1975 | -.1398 | -.1034 | .1374 | .2138 | |
| 50.100 | -.1998 | -.2343 | -.1629 | -.1163 | .1374 | .2119 | |
| 101.400 | -.2982 | -.3973 | -.5096 | -.3716 | | .2386 | |
| 115.600 | -.4311 | -.5803 | -.6056 | -.4460 | | .2441 | |
| 133.800 | -.4680 | -.4942 | -.5580 | -.2384 | | .2368 | |
| 149.100 | -.4135 | -.4196 | -.3474 | -.1622 | | .2349 | |
| 180.000 | -.4350 | -.3497 | -.3385 | -.2219 | .1825 | .2368 | .2607 |

ALPHA ( 5) = 16.190 BETA ( 3) = -2.020 Q(PSF) = 61.146 PO = 2194.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1983 | -.1960 | -.1421 | -.0309 | .1696 | .1669 | .2607 |
| 44.800 | -.2167 | -.1867 | -.1252 | -.0796 | .1687 | .2313 | |
| 50.100 | -.1975 | -.2259 | -.1591 | -.0961 | .1733 | .2331 | |
| 101.400 | -.3244 | -.4120 | -.4928 | -.3221 | | .2387 | |
| 115.600 | -.4136 | -.5427 | -.5566 | -.3506 | | .2433 | |
| 133.800 | -.4328 | -.4497 | -.4805 | -.1714 | | .2387 | |
| 149.100 | -.4635 | -.4412 | -.3774 | -.1870 | | .2396 | |
| 180.000 | -.4520 | -.2721 | -.3726 | -.2853 | .2018 | .2396 | .2607 |

OA172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 5) = 16.180 BETA ( 4) = -1.000 Q(PSF) = 61.146 PO = 2194.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1988 | -.1973 | -.1389 | -.0226 | .1731 | .1676 | .2549 |
| 44.800 | -.2126 | -.1804 | -.1182 | -.0730 | .1768 | .2292 | |
| 50.100 | -.1973 | -.2165 | -.1581 | -.0896 | .1805 | .2292 | |
| 101.400 | -.3301 | -.4131 | -.4830 | -.3052 | | .2356 | |
| 115.600 | -.4131 | -.5344 | -.5452 | -.3281 | | .2393 | |
| 133.800 | -.4277 | -.4423 | -.4607 | -.1731 | | .2356 | |
| 149.100 | -.4607 | -.4676 | -.4269 | -.2318 | | .2356 | |
| 180.000 | -.4584 | -.2579 | -.3612 | -.2795 | .1989 | .2347 | .2549 |

ALPHA ( 5) = 16.200 BETA ( 5) = .000 Q(PSF) = 61.146 PO = 2194.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2002 | -.1979 | -.1380 | -.0226 | .1785 | .1711 | .2547 |
| 44.800 | -.2078 | -.1649 | -.1096 | -.0684 | .1803 | .2308 | |
| 50.100 | -.1956 | -.2002 | -.1503 | -.0858 | .1831 | .2308 | |
| 101.400 | -.3352 | -.4135 | -.4748 | -.2893 | | .2345 | |
| 115.600 | -.4104 | -.5286 | -.5324 | -.3086 | | .2363 | |
| 133.800 | -.4365 | -.4449 | -.4457 | -.1830 | | .2354 | |
| 149.100 | -.4357 | -.4395 | -.3973 | -.2197 | | .2336 | |
| 180.000 | -.4326 | -.2585 | -.3636 | -.2829 | .1987 | .2345 | .2547 |

ALPHA ( 5) = 16.200 BETA ( 6) = .990 Q(PSF) = 61.146 PO = 2194.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2040 | -.2009 | -.1388 | -.0235 | .1711 | .1729 | .2593 |
| 44.800 | -.2071 | -.1641 | -.1058 | -.0666 | .1803 | .2345 | |
| 50.100 | -.1963 | -.1971 | -.1472 | -.0821 | .1830 | .2336 | |
| 101.400 | -.3375 | -.4119 | -.4633 | -.2682 | | .2372 | |
| 115.600 | -.4135 | -.5224 | -.5209 | -.2866 | | .2400 | |
| 133.800 | -.4710 | -.4779 | -.4925 | -.2096 | | .2372 | |
| 149.100 | -.4449 | -.4495 | -.3989 | -.2096 | | .2363 | |
| 180.000 | -.4135 | -.2746 | -.3792 | -.2912 | .1977 | .2372 | .2593 |

OA172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 5) = 16.200 BETA ( 7) = 1.970 Q(PSF) = 61.146 PO = 2194.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2047 | -.2024 | -.1395 | -.0271 | .1720 | .1747 | .2656 |
| 44.800 | -.2062 | -.1556 | -.1011 | -.0638 | .1784 | .2381 | |
| 50.100 | -.1963 | -.1909 | -.1341 | -.0766 | .1784 | .2390 | |
| 101.400 | -.3428 | -.4103 | -.4440 | -.2370 | | .2445 | |
| 115.600 | -.4156 | -.5107 | -.4992 | -.2581 | | .2473 | |
| 133.800 | -.4287 | -.4417 | -.4939 | -.2123 | | .2445 | |
| 149.100 | -.4563 | -.4616 | -.4072 | -.2040 | | .2427 | |
| 180.000 | -.3888 | -.2967 | -.3845 | -.2938 | .1986 | .2427 | .2656 |

ALPHA ( 5) = 16.200 BETA ( 8) = 5.960 Q(PSF) = 61.146 PO = 2194.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2152 | -.2137 | -.1577 | -.0500 | .1589 | .1498 | .2378 |
| 44.800 | -.2045 | -.1416 | -.0888 | -.0463 | .1910 | .2140 | |
| 50.100 | -.1976 | -.1953 | -.0911 | -.0564 | .1947 | .2131 | |
| 101.400 | -.3362 | -.3830 | -.3868 | -.1791 | | .2296 | |
| 115.600 | -.4443 | -.5332 | -.4926 | -.2129 | | .2286 | |
| 133.800 | -.4542 | -.4642 | -.4956 | -.1598 | | .2296 | |
| 149.100 | -.4719 | -.4711 | -.4090 | -.1836 | | .2286 | |
| 180.000 | -.3853 | -.3271 | -.3210 | -.2138 | .1874 | .2277 | .2378 |

ALPHA ( 5) = 16.210 BETA ( 9) = 9.990 Q(PSF) = 61.146 PO = 2194.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2270 | -.2247 | -.1692 | -.0530 | .1514 | .1744 | .2905 |
| 44.800 | -.2031 | -.1138 | -.0707 | -.0107 | .1892 | .2435 | |
| 50.100 | -.2000 | -.1184 | -.0361 | -.0079 | .1919 | .2445 | |
| 101.400 | -.3386 | -.3832 | -.3586 | -.1339 | | .2638 | |
| 115.600 | -.4918 | -.5572 | -.4733 | -.1477 | | .2610 | |
| 133.800 | -.5010 | -.5041 | -.5210 | -.1468 | | .2445 | |
| 149.100 | -.5256 | -.5241 | -.4641 | -.2158 | | .2408 | |
| 180.000 | -.3655 | -.3463 | -.3381 | -.2240 | .1873 | .2352 | .2905 |

0A172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 6) = 21.620 BETA ( 1) = -9.980 Q(PSF) = 61.442 PO = 2193.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2101 | -.2040 | -.1512 | -.0307 | .1540 | .1750 | .2922 |
| 44.800 | -.2139 | -.1390 | -.1069 | -.0827 | .1238 | .2464 | |
| 50.100 | -.1918 | -.1520 | -.0794 | -.0873 | .1137 | .2455 | |
| 101.400 | -.3408 | -.4379 | -.5388 | -.3768 | | .2830 | |
| 115.600 | -.4326 | -.5839 | -.6764 | -.5193 | | .2839 | |
| 133.800 | -.5449 | -.5854 | -.6909 | -.3796 | | .2638 | |
| 149.100 | -.5059 | -.5235 | -.4387 | -.2334 | | .2583 | |
| 180.000 | -.4173 | -.3431 | -.3549 | -.2444 | .2062 | .2565 | .2922 |

ALPHA ( 6) = 21.600 BETA ( 2) = -5.970 Q(PSF) = 61.442 PO = 2193.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2160 | -.2122 | -.1539 | -.0381 | .1315 | .1361 | .2535 |
| 44.800 | -.2191 | -.1493 | -.1118 | -.0711 | .1195 | .2021 | |
| 50.100 | -.1938 | -.1608 | -.0857 | -.0775 | .1186 | .2039 | |
| 101.400 | -.3555 | -.4536 | -.5440 | -.3513 | | .2516 | |
| 115.600 | -.4429 | -.5808 | -.6667 | -.4474 | | .2489 | |
| 133.800 | -.5218 | -.5440 | -.6245 | -.2698 | | .2370 | |
| 149.100 | -.4360 | -.4398 | -.3777 | -.2020 | | .2296 | |
| 180.000 | -.4199 | -.4122 | -.4126 | -.2569 | .1810 | .2287 | .2535 |

ALPHA ( 6) = 21.610 BETA ( 3) = -2.000 Q(PSF) = 61.442 PO = 2193.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2119 | -.2057 | -.1422 | -.0143 | .1542 | .1697 | .2815 |
| 44.800 | -.2011 | -.1231 | -.0879 | -.0426 | .1487 | .2393 | |
| 50.100 | -.1927 | -.1361 | -.0917 | -.0554 | .1468 | .2384 | |
| 101.400 | -.3542 | -.4406 | -.4965 | -.2757 | | .2632 | |
| 115.600 | -.4743 | -.6136 | -.6274 | -.3507 | | .2650 | |
| 133.800 | -.4889 | -.5103 | -.5577 | -.2154 | | .2650 | |
| 149.100 | -.4628 | -.4621 | -.4116 | -.2291 | | .2650 | |
| 180.000 | -.4644 | -.3006 | -.4175 | -.3471 | .2375 | .2650 | .2815 |

OA172 TAILCONE PRESSURES GEAR ON (CFG048)

ALPHA ( 6) = 21.620 BETA ( 4) = -1.010 Q(PSF) = 61.442 PO = 2193.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2133 | -.2072 | -.1422 | -.0143 | .1633 | .1770 | .2897 |
| 44.800 | -.2019 | -.1223 | -.0863 | -.0417 | .1624 | .2485 | |
| 50.100 | -.1942 | -.1514 | -.0848 | -.0590 | .1642 | .2475 | |
| 101.400 | -.3549 | -.4352 | -.4811 | -.2602 | | .2713 | |
| 115.600 | -.4758 | -.6119 | -.6150 | -.3360 | | .2732 | |
| 133.800 | -.4865 | -.5087 | -.5416 | -.2154 | | .2723 | |
| 149.100 | -.5829 | -.5599 | -.5033 | -.2739 | | .2713 | |
| 180.000 | -.4643 | -.2967 | -.4174 | -.3497 | .2384 | .2723 | .2897 |

ALPHA ( 6) = 21.630 BETA ( 5) = .000 Q(PSF) = 61.442 PO = 2193.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2131 | -.2070 | -.1428 | -.0133 | .1685 | .1796 | .2884 |
| 44.800 | -.2001 | -.1214 | -.0840 | -.0398 | .1722 | .2527 | |
| 50.100 | -.1971 | -.1642 | -.0847 | -.0572 | .1759 | .2518 | |
| 101.400 | -.3568 | -.4301 | -.4668 | -.2416 | | .2729 | |
| 115.600 | -.4745 | -.6028 | -.6021 | -.3137 | | .2765 | |
| 133.800 | -.4920 | -.5127 | -.5379 | -.2160 | | .2729 | |
| 149.100 | -.5723 | -.5738 | -.5616 | -.3548 | | .2719 | |
| 180.000 | -.4523 | -.3033 | -.4233 | -.3539 | .2399 | .2729 | .2884 |

ALPHA ( 6) = 21.620 BETA ( 6) = .980 Q(PSF) = 61.442 PO = 2193.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2161 | -.2092 | -.1450 | -.0151 | .1704 | .1804 | .2902 |
| 44.800 | -.2023 | -.1198 | -.0839 | -.0380 | .1786 | .2545 | |
| 50.100 | -.1993 | -.1947 | -.0809 | -.0544 | .1786 | .2527 | |
| 101.400 | -.3574 | -.4254 | -.4468 | -.2224 | | .2755 | |
| 115.600 | -.4835 | -.6049 | -.5889 | -.2908 | | .2783 | |
| 133.800 | -.5339 | -.5308 | -.5201 | -.2260 | | .2764 | |
| 149.100 | -.4766 | -.4942 | -.4972 | -.3273 | | .2755 | |
| 180.000 | -.4331 | -.3047 | -.4277 | -.3492 | .2417 | .2746 | .2902 |

OA172 TAILCONE PRESSURES GEAR ON (CFG046)

ALPHA ( 6) = 21.620 BETA ( 7) = 1.970 Q(PSF) = 61.442 PO = 2193.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2191 | -.2123 | -.1466 | -.0151 | .1649 | .1822 | .2901 |
| 44.800 | -.2054 | -.1267 | -.0854 | -.0398 | .1758 | .2572 | |
| 50.100 | -.2016 | -.2153 | -.0748 | -.0544 | .1795 | .2563 | |
| 101.400 | -.3612 | -.4292 | -.4376 | -.2059 | | .2773 | |
| 115.600 | -.4934 | -.6057 | -.5812 | -.2680 | | .2792 | |
| 133.800 | -.5957 | -.6232 | -.6118 | -.2680 | | .2737 | |
| 149.100 | -.4781 | -.4918 | -.4720 | -.2917 | | .2728 | |
| 180.000 | -.4177 | -.3093 | -.4259 | -.3474 | .2408 | .2700 | .2901 |

ALPHA ( 6) = 21.620 BETA ( 8) = 5.970 Q(PSF) = 61.442 PO = 2193.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2346 | -.2277 | -.1538 | -.0178 | .1426 | .1335 | .2529 |
| 44.800 | -.2117 | -.1066 | -.0708 | -.0106 | .1745 | .2092 | |
| 50.100 | -.2041 | -.1439 | -.0136 | -.0169 | .1800 | .2110 | |
| 101.400 | -.3116 | -.3390 | -.3215 | -.1198 | | .2347 | |
| 115.600 | -.5028 | -.5813 | -.5112 | -.1863 | | .2374 | |
| 133.800 | -.4884 | -.5013 | -.5455 | -.1808 | | .2338 | |
| 149.100 | -.4968 | -.4998 | -.4419 | -.2009 | | .2356 | |
| 180.000 | -.3969 | -.4000 | -.3866 | -.2473 | .1946 | .2384 | .2529 |

ALPHA ( 6) = 21.590 BETA ( 9) = 9.960 Q(PSF) = 61.442 PO = 2193.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2433 | -.2372 | -.1629 | -.0198 | .1661 | .1789 | .2925 |
| 44.800 | -.2142 | -.0826 | -.0443 | .0214 | .1973 | .2577 | |
| 50.100 | -.2042 | -.0519 | .0313 | .0287 | .2027 | .2550 | |
| 101.400 | -.3122 | -.3543 | -.3198 | -.1048 | | .2788 | |
| 115.600 | -.5540 | -.6114 | -.4859 | -.1304 | | .2779 | |
| 133.800 | -.5402 | -.5425 | -.5716 | -.1688 | | .2495 | |
| 149.100 | -.5640 | -.5571 | -.4767 | -.2109 | | .2440 | |
| 180.000 | -.4040 | -.3504 | -.3407 | -.2273 | .2064 | .2421 | .2925 |

0A172 TAILCONE PRESSURES GEAR ON (CFG049) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .130 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

BETA ( 1) = .000 ALPHA ( 1) = -6.210 Q(PSF) = 25.241 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3195 | -.3158 | -.2376 | -.0593 | .1297 | .1319 | .1697 |
| 44.800 | -.3083 | -.2618 | -.1780 | -.0727 | .1297 | .1586 | |
| 50.100 | -.1110 | -.4107 | -.2450 | -.1082 | .1341 | .1586 | |
| 101.400 | -.3512 | -.4033 | -.4219 | -.2083 | | .1652 | |
| 115.600 | -.4200 | -.4722 | -.4740 | -.2061 | | .1697 | |
| 133.800 | -.3940 | -.4293 | -.5429 | -.2462 | | .1652 | |
| 149.100 | -.4033 | -.4442 | -.4852 | -.3240 | | .1630 | |
| 180.000 | -.4126 | -.2711 | -.3952 | -.3463 | .1519 | .1630 | .1697 |

BETA ( 1) = .000 ALPHA ( 2) = -4.120 Q(PSF) = 25.241 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3214 | -.3177 | -.2414 | -.0549 | .1386 | .1364 | .1786 |
| 44.800 | -.3065 | -.2507 | -.1855 | -.0816 | .1430 | .1720 | |
| 50.100 | -.1632 | -.4127 | -.2507 | -.1216 | .1408 | .1720 | |
| 101.400 | -.3587 | -.4145 | -.4350 | -.2262 | | .1720 | |
| 115.600 | -.4127 | -.4685 | -.4778 | -.2151 | | .1742 | |
| 133.800 | -.3996 | -.4332 | -.5374 | -.2351 | | .1764 | |
| 149.100 | -.4145 | -.4536 | -.4778 | -.3063 | | .1742 | |
| 180.000 | -.4387 | -.2879 | -.3930 | -.3330 | .1564 | .1742 | .1786 |

BETA ( 1) = .000 ALPHA ( 3) = -2.030 Q(PSF) = 25.241 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3177 | -.3159 | -.2395 | -.0482 | .1497 | .1519 | .1920 |
| 44.800 | -.3047 | -.2507 | -.1874 | -.0860 | .1519 | .1853 | |
| 50.100 | -.2023 | -.4145 | -.2507 | -.1283 | .1542 | .1853 | |
| 101.400 | -.3643 | -.4220 | -.4443 | -.2373 | | .1809 | |
| 115.600 | -.4071 | -.4648 | -.4797 | -.2217 | | .1853 | |
| 133.800 | -.4034 | -.4369 | -.5281 | -.2240 | | .1875 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG049)

BETA ( 1) = .000 ALPHA ( 3) = -2.030

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4239 | -.4574 | -.4648 | -.2863 | | .1853 | |
| 180.000 | -.4499 | -.2972 | -.3841 | -.3152 | .1608 | .1875 | .1920 |

BETA ( 1) = .000 ALPHA ( 4) = .040 Q(PSF) = 25.241 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3178 | -.3178 | -.2377 | -.0527 | .1520 | .1542 | .1943 |
| 44.800 | -.3029 | -.2601 | -.1949 | -.0905 | .1497 | .1854 | |
| 50.100 | -.2358 | -.4258 | -.2638 | -.1417 | .1497 | .1831 | |
| 101.400 | -.3681 | -.4258 | -.4519 | -.2463 | | .1831 | |
| 115.600 | -.4016 | -.4593 | -.4836 | -.2285 | | .1854 | |
| 133.800 | -.4072 | -.4351 | -.5208 | -.2107 | | .1876 | |
| 149.100 | -.4295 | -.4575 | -.4538 | -.2595 | | .1876 | |
| 180.000 | -.4649 | -.3010 | -.3709 | -.2908 | .1586 | .1898 | .1943 |

BETA ( 1) = .000 ALPHA ( 5) = 2.090 Q(PSF) = 25.241 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3193 | -.3175 | -.2393 | -.0548 | .1474 | .1496 | .1829 |
| 44.800 | -.3044 | -.2672 | -.1984 | -.0971 | .1496 | .1807 | |
| 50.100 | -.2598 | -.4310 | -.2710 | -.1504 | .1496 | .1807 | |
| 101.400 | -.3714 | -.4310 | -.4645 | -.2616 | | .1807 | |
| 115.600 | -.3993 | -.4626 | -.4886 | -.2393 | | .1829 | |
| 133.800 | -.4086 | -.4347 | -.5072 | -.1971 | | .1807 | |
| 149.100 | -.4310 | -.4570 | -.4384 | -.2371 | | .1829 | |
| 180.000 | -.4589 | -.2914 | -.3638 | -.2727 | .1563 | .1807 | .1829 |

OA172 TAILCONE PRESSURES GEAR ON (CFG049)

BETA ( 1) = .000 ALPHA ( 6) = 4.150 Q(PSF) = 25.241 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3150 | -.3150 | -.2370 | -.0569 | .1471 | .1493 | .1870 |
| 44.800 | -.3039 | -.2704 | -.1980 | -.0969 | .1471 | .1782 | |
| 50.100 | -.2742 | -.4302 | -.2723 | -.1501 | .1471 | .1782 | |
| 101.400 | -.3707 | -.4302 | -.4654 | -.2677 | | .1759 | |
| 115.600 | -.3986 | -.4599 | -.4914 | -.2456 | | .1804 | |
| 133.800 | -.4097 | -.4339 | -.4970 | -.1879 | | .1604 | |
| 149.100 | -.4302 | -.4506 | -.4172 | -.2123 | | .1782 | |
| 180.000 | -.4543 | -.2909 | -.3476 | -.2478 | .1560 | .1804 | .1870 |

BETA ( 1) = .000 ALPHA ( 7) = 6.200 Q(PSF) = 25.241 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3211 | -.3211 | -.2430 | -.0526 | .1473 | .1540 | .1918 |
| 44.800 | -.3062 | -.2690 | -.2002 | -.0993 | .1496 | .1851 | |
| 50.100 | -.2895 | -.4309 | -.2709 | -.1571 | .1451 | .1807 | |
| 101.400 | -.3732 | -.4327 | -.4681 | -.2749 | | .1851 | |
| 115.600 | -.4030 | -.4644 | -.4978 | -.2571 | | .1874 | |
| 133.800 | -.4141 | -.4365 | -.4885 | -.1837 | | .1696 | |
| 149.100 | -.4346 | -.4513 | -.4086 | -.2015 | | .1918 | |
| 180.000 | -.4830 | -.2821 | -.3504 | -.2526 | .1651 | .1896 | .1918 |

BETA ( 1) = .000 ALPHA ( 8) = 8.280 Q(PSF) = 25.241 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3199 | -.3181 | -.2435 | -.0594 | .1521 | .1677 | .2101 |
| 44.800 | -.3087 | -.2715 | -.1988 | -.0995 | .1521 | .1900 | |
| 50.100 | -.2976 | -.4187 | -.2677 | -.1485 | .1543 | .1877 | |
| 101.400 | -.3684 | -.4336 | -.4765 | -.2843 | | .1944 | |
| 115.600 | -.4057 | -.4672 | -.5045 | -.2665 | | .1944 | |
| 133.800 | -.4150 | -.4355 | -.4784 | -.1774 | | .1967 | |
| 149.100 | -.4355 | -.4485 | -.3982 | -.1863 | | .1967 | |
| 180.000 | -.5007 | -.2715 | -.3556 | -.2576 | .1721 | .1967 | .2101 |

OA172 TAILCONE PRESSURES GEAR ON (CFG049)

BETA ( 1) = .000 ALPHA ( 9) = 10.330 Q(PSF) = 25.241 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3268 | -.3249 | -.2486 | -.0593 | .1518 | .1652 | .2119 |
| 44.800 | -.3138 | -.2765 | -.2040 | -.1015 | .1540 | .1933 | |
| 50.100 | -.3063 | -.4105 | -.2561 | -.1482 | .1585 | .1941 | |
| 101.400 | -.3696 | -.4366 | -.4794 | -.2949 | | .1919 | |
| 115.600 | -.4105 | -.4756 | -.5147 | -.2771 | | .1883 | |
| 133.800 | -.4180 | -.4347 | -.4645 | -.1816 | | .1941 | |
| 149.100 | -.4384 | -.4477 | -.3882 | -.1838 | | .1941 | |
| 180.000 | -.5091 | -.2691 | -.3572 | -.2660 | .1740 | .1941 | .2119 |

BETA ( 1) = .000 ALPHA (10) = 12.390 Q(PSF) = 25.241 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3345 | -.3345 | -.2507 | -.0482 | .1497 | .1631 | .2143 |
| 44.800 | -.3233 | -.2693 | -.2023 | -.0994 | .1564 | .1942 | |
| 50.100 | -.3140 | -.4052 | -.2544 | -.1483 | .1542 | .1920 | |
| 101.400 | -.3643 | -.4350 | -.4928 | -.3085 | | .1965 | |
| 115.600 | -.4127 | -.4834 | -.5263 | -.2907 | | .1942 | |
| 133.800 | -.4201 | -.4369 | -.4574 | -.1839 | | .1920 | |
| 149.100 | -.4369 | -.4425 | -.3848 | -.1928 | | .1920 | |
| 180.000 | -.5151 | -.2712 | -.3597 | -.2729 | .1675 | .1920 | .2143 |

BETA ( 1) = .000 ALPHA (11) = 14.460 Q(PSF) = 25.241 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3476 | -.3476 | -.2545 | -.0415 | .1520 | .1631 | .2143 |
| 44.800 | -.3364 | -.2712 | -.2004 | -.0949 | .1586 | .1920 | |
| 50.100 | -.3215 | -.3811 | -.2489 | -.1417 | .1631 | .1943 | |
| 101.400 | -.3643 | -.4407 | -.5040 | -.3197 | | .1920 | |
| 115.600 | -.4146 | -.4891 | -.5431 | -.3086 | | .1943 | |
| 133.800 | -.4258 | -.4426 | -.4575 | -.1884 | | .1898 | |
| 149.100 | -.4426 | -.4481 | -.3960 | -.2106 | | .1898 | |
| 180.000 | -.5208 | -.2768 | -.3620 | -.2841 | .1564 | .1898 | .2143 |

0A172 TAILCONE PRESSURES GEAR ON (CFG049)

BETA ( 1) = .000 ALPHA (12) = 16.530 Q(PSF) = 25.241 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3541 | -.3522 | -.2575 | -.0370 | .1516 | .1627 | .2138 |
| 44.800 | -.3448 | -.2649 | -.1943 | -.0925 | .1560 | .1915 | |
| 50.100 | -.3281 | -.3541 | -.2389 | -.1369 | .1604 | .1893 | |
| 101.400 | -.3708 | -.4433 | -.5120 | -.3233 | | .1915 | |
| 115.600 | -.4154 | -.4934 | -.5547 | -.3233 | | .1915 | |
| 133.800 | -.4395 | -.4507 | -.4637 | -.2034 | | .1871 | |
| 149.100 | -.4488 | -.4563 | -.4135 | -.2412 | | .1871 | |
| 180.000 | -.5306 | -.2779 | -.3699 | -.2867 | .1516 | .1871 | .2138 |

BETA ( 1) = .000 ALPHA (13) = 18.610 Q(PSF) = 25.241 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3571 | -.3534 | -.2589 | -.0347 | .1424 | .1579 | .2156 |
| 44.800 | -.3460 | -.2570 | -.1903 | -.0923 | .1513 | .1912 | |
| 50.100 | -.3349 | -.3219 | -.2292 | -.1277 | .1535 | .1889 | |
| 101.400 | -.3794 | -.4517 | -.5240 | -.3249 | | .1912 | |
| 115.600 | -.4183 | -.5017 | -.5740 | -.3426 | | .1912 | |
| 133.800 | -.4498 | -.4609 | -.4832 | -.2163 | | .1889 | |
| 149.100 | -.4498 | -.4628 | -.4442 | -.2806 | | .1867 | |
| 180.000 | -.5221 | -.2848 | -.3780 | -.3094 | .1424 | .1845 | .2156 |

BETA ( 1) = .000 ALPHA (14) = 20.690 Q(PSF) = 25.241 PO = 2122.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3662 | -.3662 | -.2675 | -.0371 | .1364 | .1586 | .2188 |
| 44.800 | -.3569 | -.2489 | -.1893 | -.0949 | .1431 | .1898 | |
| 50.100 | -.3420 | -.3010 | -.2172 | -.1305 | .1497 | .1876 | |
| 101.400 | -.3941 | -.4705 | -.5394 | -.3286 | | .1898 | |
| 115.600 | -.4332 | -.5226 | -.6046 | -.3709 | | .1943 | |
| 133.800 | -.4500 | -.4705 | -.5115 | -.2307 | | .1920 | |
| 149.100 | -.5040 | -.5115 | -.5133 | -.3330 | | .1920 | |
| 180.000 | -.5170 | -.2917 | -.3953 | -.3397 | .1386 | .1920 | .2188 |

OA172 TAILCONE PRESSURES GEAR ON (CFG050) ( 27 FEB 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | .000 | BDFLAP = | -11.700 |

BETA ( 1) = .000 ALPHA ( 1) = -6.250 Q(PSF) = 60.579 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3309 | -.3309 | -.2510 | -.0674 | .1291 | .1310 | .1699 |
| 44.800 | -.3255 | -.2650 | -.1928 | -.0813 | .1356 | .1643 | |
| 50.100 | -.3752 | -.4310 | -.2518 | -.1137 | .1393 | .1634 | |
| 101.400 | -.3526 | -.4163 | -.4295 | -.2129 | | .1690 | |
| 115.600 | -.4295 | -.4885 | -.4853 | -.2083 | | .1718 | |
| 133.800 | -.4039 | -.4380 | -.5544 | -.2519 | | .1671 | |
| 149.100 | -.4108 | -.4559 | -.4931 | -.3316 | | .1671 | |
| 180.000 | -.4411 | -.2867 | -.4039 | -.3585 | .1569 | .1625 | .1699 |

BETA ( 1) = .000 ALPHA ( 2) = -4.150 Q(PSF) = 60.579 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3284 | -.3276 | -.2477 | -.0590 | .1401 | .1457 | .1828 |
| 44.800 | -.3230 | -.2508 | -.1950 | -.0868 | .1466 | .1754 | |
| 50.100 | -.3641 | -.4285 | -.2594 | -.1239 | .1466 | .1772 | |
| 101.400 | -.3610 | -.4246 | -.4440 | -.2304 | | .1809 | |
| 115.600 | -.4246 | -.4835 | -.4874 | -.2184 | | .1837 | |
| 133.800 | -.4114 | -.4416 | -.5456 | -.2388 | | .1819 | |
| 149.100 | -.4230 | -.4626 | -.4843 | -.3083 | | .1809 | |
| 180.000 | -.4657 | -.2982 | -.3972 | -.3388 | .1615 | .1754 | .1828 |

BETA ( 1) = .000 ALPHA ( 3) = -2.030 Q(PSF) = 60.579 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3257 | -.3249 | -.2475 | -.0561 | .1520 | .1604 | .2030 |
| 44.800 | -.3211 | -.2498 | -.1971 | -.0913 | .1557 | .1909 | |
| 50.100 | -.3544 | -.4288 | -.2599 | -.1320 | .1557 | .1891 | |
| 101.400 | -.3652 | -.4303 | -.4512 | -.2441 | | .1891 | |
| 115.600 | -.4171 | -.4768 | -.4869 | -.2255 | | .1956 | |
| 133.800 | -.4148 | -.4427 | -.5372 | -.2255 | | .1965 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG050)

BETA ( 1) = .000 ALPHA ( 3) = -2.030

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4311 | -.4659 | -.4729 | -.2866 | | .1956 | |
| 180.000 | -.4745 | -.3087 | -.3875 | -.3200 | .1659 | .1956 | .2030 |

BETA ( 1) = .000 ALPHA ( 4) = .050 Q(PSF) = 60.579 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3278 | -.3255 | -.2463 | -.0525 | .1513 | .1643 | .2051 |
| 44.800 | -.3216 | -.2587 | -.2036 | -.0961 | .1541 | .1912 | |
| 50.100 | -.3472 | -.4380 | -.2673 | -.1462 | .1513 | .1912 | |
| 101.400 | -.3697 | -.4349 | -.4581 | -.2565 | | .1884 | |
| 115.600 | -.4147 | -.4729 | -.4892 | -.2361 | | .1940 | |
| 133.800 | -.4193 | -.4426 | -.5287 | -.2157 | | .1949 | |
| 149.100 | -.4380 | -.4674 | -.4597 | -.2648 | | .1977 | |
| 180.000 | -.4931 | -.3115 | -.3770 | -.3001 | .1643 | .1977 | .2051 |

BETA ( 1) = .000 ALPHA ( 5) = 2.160 Q(PSF) = 60.579 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3269 | -.3277 | -.2470 | -.0581 | .1504 | .1559 | .1967 |
| 44.800 | -.3223 | -.2656 | -.2075 | -.0998 | .1550 | .1874 | |
| 50.100 | -.3409 | -.4464 | -.2780 | -.1554 | .1522 | .1856 | |
| 101.400 | -.3704 | -.4402 | -.4712 | -.2685 | | .1847 | |
| 115.600 | -.4107 | -.4720 | -.4953 | -.2434 | | .1884 | |
| 133.800 | -.4185 | -.4417 | -.5154 | -.2027 | | .1902 | |
| 149.100 | -.4386 | -.4634 | -.4410 | -.2397 | | .1893 | |
| 180.000 | -.4883 | -.3013 | -.3676 | -.2787 | .1652 | .1912 | .1967 |

OA172 TAILCONE PRESSURES GEAR ON (CFG050)

BETA ( 1) = .000 ALPHA ( 6) = 4.260 Q(PSF) = 60.579 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3302 | -.3302 | -.2503 | -.0600 | .1505 | .1570 | .1959 |
| 44.800 | -.3248 | -.2673 | -.2115 | -.1045 | .1523 | .1848 | |
| 50.100 | -.3388 | -.4552 | -.2805 | -.1620 | .1532 | .1848 | |
| 101.400 | -.3729 | -.4404 | -.4738 | -.2788 | | .1848 | |
| 115.600 | -.4125 | -.4754 | -.5025 | -.2547 | | .1885 | |
| 133.800 | -.4241 | -.4435 | -.5111 | -.1935 | | .1885 | |
| 149.100 | -.4435 | -.4614 | -.4288 | -.2185 | | .1876 | |
| 180.000 | -.4847 | -.2968 | -.3595 | -.2603 | .1634 | .1885 | .1959 |

BETA ( 1) = .000 ALPHA ( 7) = 6.360 Q(PSF) = 60.579 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3323 | -.3354 | -.2532 | -.0636 | .1513 | .1652 | .2106 |
| 44.800 | -.3300 | -.2741 | -.2167 | -.1072 | .1550 | .1911 | |
| 50.100 | -.3385 | -.4455 | -.2819 | -.1628 | .1531 | .1921 | |
| 101.400 | -.3734 | -.4417 | -.4805 | -.2851 | | .1958 | |
| 115.600 | -.4176 | -.4789 | -.5099 | -.2638 | | .2004 | |
| 133.800 | -.4269 | -.4440 | -.5045 | -.1869 | | .2023 | |
| 149.100 | -.4471 | -.4611 | -.4184 | -.2026 | | .2013 | |
| 180.000 | -.5045 | -.2927 | -.3565 | -.2619 | .1735 | .2032 | .2106 |

BETA ( 1) = .000 ALPHA ( 8) = 8.480 Q(PSF) = 60.579 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3341 | -.3333 | -.2580 | -.0646 | .1533 | .1681 | .2210 |
| 44.800 | -.3318 | -.2782 | -.2161 | -.1073 | .1542 | .1978 | |
| 50.100 | -.3326 | -.4343 | -.2712 | -.1611 | .1579 | .1987 | |
| 101.400 | -.3698 | -.4436 | -.4832 | -.2937 | | .1978 | |
| 115.600 | -.4164 | -.4832 | -.5127 | -.2742 | | .2015 | |
| 133.800 | -.4242 | -.4436 | -.4863 | -.1842 | | .2024 | |
| 149.100 | -.4443 | -.4583 | -.4024 | -.1907 | | .2024 | |
| 180.000 | -.5173 | -.2798 | -.3595 | -.2686 | .1764 | .2052 | .2210 |

OA172 TAILCONE PRESSURES GEAR ON (CFG050)

BETA ( 1) = .000 ALPHA ( 9) = 10.570 Q(PSF) = 60.579 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3440 | -.3432 | -.2602 | -.0655 | .1513 | .1717 | .2227 |
| 44.800 | -.3417 | -.2850 | -.2191 | -.1081 | .1559 | .2014 | |
| 50.100 | -.3370 | -.4239 | -.2680 | -.1563 | .1569 | .2005 | |
| 101.400 | -.3673 | -.4433 | -.4930 | -.3065 | | .2023 | |
| 115.600 | -.4239 | -.4899 | -.5255 | -.2861 | | .2014 | |
| 133.800 | -.4278 | -.4433 | -.4728 | -.1878 | | .2005 | |
| 149.100 | -.4472 | -.4549 | -.3952 | -.1869 | | .1995 | |
| 180.000 | -.5294 | -.2788 | -.3602 | -.2694 | .1763 | .2014 | .2227 |

BETA ( 1) = .000 ALPHA (10) = 12.690 Q(PSF) = 60.579 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3550 | -.3550 | -.2650 | -.0609 | .1504 | .1699 | .2275 |
| 44.800 | -.3542 | -.2828 | -.2184 | -.1072 | .1578 | .2015 | |
| 50.100 | -.3387 | -.4140 | -.2712 | -.1619 | .1634 | .1987 | |
| 101.400 | -.3651 | -.4458 | -.5055 | -.3196 | | .2033 | |
| 115.600 | -.4287 | -.4986 | -.5412 | -.3001 | | .2033 | |
| 133.800 | -.4326 | -.4489 | -.4683 | -.1916 | | .1977 | |
| 149.100 | -.4458 | -.4559 | -.3969 | -.2000 | | .1959 | |
| 180.000 | -.5505 | -.2851 | -.3632 | -.2769 | .1690 | .1987 | .2275 |

BETA ( 1) = .000 ALPHA (11) = 14.820 Q(PSF) = 60.579 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3671 | -.3663 | -.2710 | -.0460 | .1540 | .1707 | .2254 |
| 44.800 | -.3694 | -.2795 | -.2182 | -.1034 | .1624 | .2013 | |
| 50.100 | -.3454 | -.3950 | -.2601 | -.1498 | .1651 | .2004 | |
| 101.400 | -.3640 | -.4477 | -.5144 | -.3295 | | .2004 | |
| 115.600 | -.4268 | -.5028 | -.5524 | -.3156 | | .2022 | |
| 133.800 | -.4384 | -.4516 | -.4633 | -.1989 | | .1948 | |
| 149.100 | -.4470 | -.4563 | -.4113 | -.2220 | | .1939 | |
| 180.000 | -.5392 | -.2849 | -.3638 | -.2869 | .1586 | .1929 | .2254 |

0A172 TAILCONE PRESSURES GEAR ON (CFG050)

BETA ( 1) = .000 ALPHA (12) = 16.950 Q(PSF) = 60.579 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3769 | -.3715 | -.2723 | -.0376 | .1530 | .1706 | .2253 |
| 44.800 | -.3777 | -.2777 | -.2157 | -.1006 | .1576 | .1993 | |
| 50.100 | -.3521 | -.3583 | -.2568 | -.1469 | .1641 | .2002 | |
| 101.400 | -.3707 | -.4559 | -.5319 | -.3404 | | .1984 | |
| 115.600 | -.4319 | -.5094 | -.5691 | -.3385 | | .2011 | |
| 133.800 | -.4606 | -.4637 | -.4922 | -.2000 | | .1946 | |
| 149.100 | -.4505 | -.4629 | -.4296 | -.2561 | | .1919 | |
| 180.000 | -.5404 | -.2909 | -.3728 | -.3006 | .1493 | .1919 | .2253 |

BETA ( 1) = .000 ALPHA (13) = 19.080 Q(PSF) = 60.579 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3818 | -.3802 | -.2781 | -.0422 | .1463 | .1666 | .2268 |
| 44.800 | -.3872 | -.2735 | -.2131 | -.1014 | .1537 | .1962 | |
| 50.100 | -.3563 | -.3315 | -.2402 | -.1356 | .1583 | .1962 | |
| 101.400 | -.3826 | -.4715 | -.5450 | -.3390 | | .1953 | |
| 115.600 | -.4360 | -.5242 | -.5915 | -.3556 | | .2009 | |
| 133.800 | -.4623 | -.4762 | -.5040 | -.2216 | | .1944 | |
| 149.100 | -.4746 | -.4893 | -.4801 | -.3029 | | .1925 | |
| 180.000 | -.5427 | -.3044 | -.3852 | -.3251 | .1444 | .1916 | .2268 |

BETA ( 1) = .000 ALPHA (14) = 21.220 Q(PSF) = 60.579 PO = 2121.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3987 | -.3949 | -.2904 | -.0450 | .1361 | .1592 | .2267 |
| 44.800 | -.4042 | -.2703 | -.2115 | -.1041 | .1398 | .1906 | |
| 50.100 | -.3632 | -.2928 | -.2169 | -.1337 | .1472 | .1916 | |
| 101.400 | -.4034 | -.4869 | -.5573 | -.3389 | | .1925 | |
| 115.600 | -.4521 | -.5403 | -.6231 | -.3916 | | .1999 | |
| 133.800 | -.4660 | -.4854 | -.5349 | -.2455 | | .1971 | |
| 149.100 | -.5496 | -.5558 | -.5496 | -.3546 | | .1943 | |
| 180.000 | -.5434 | -.3067 | -.4091 | -.3602 | .1407 | .1943 | .2267 |

OA172 TAILCONE PRESSURES GEAR ON (CFG051) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .260 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.70

BETA ( 1) = .000 ALPHA ( 1) = -6.400 Q(PSF) = 101.00 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3236 | -.3208 | -.2446 | -.0656 | .1314 | .1359 | .1731 |
| 44.800 | -.3184 | -.2627 | -.1865 | -.0861 | .1347 | .1642 | |
| 50.100 | -.1107 | -.4318 | -.2576 | -.1189 | .1347 | .1658 | |
| 101.400 | -.3635 | -.4258 | -.4337 | -.2210 | | .1681 | |
| 115.600 | -.4467 | -.5136 | -.4927 | -.2177 | | .1692 | |
| 133.800 | -.4156 | -.4439 | -.5605 | -.2605 | | .1625 | |
| 149.100 | -.4211 | -.4606 | -.4950 | -.3393 | | .1597 | |
| 180.000 | -.4625 | -.2920 | -.4054 | -.3621 | .1542 | .1597 | .1731 |

BETA ( 1) = .000 ALPHA ( 2) = -4.240 Q(PSF) = 101.00 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3243 | -.3224 | -.2481 | -.0683 | .1402 | .1469 | .1824 |
| 44.800 | -.3169 | -.2505 | -.1919 | -.0961 | .1458 | .1746 | |
| 50.100 | -.1464 | -.4376 | -.2681 | -.1310 | .1447 | .1746 | |
| 101.400 | -.3731 | -.4376 | -.4525 | -.2403 | | .1779 | |
| 115.600 | -.4418 | -.5110 | -.4980 | -.2292 | | .1813 | |
| 133.800 | -.4237 | -.4488 | -.5570 | -.2498 | | .1774 | |
| 149.100 | -.4353 | -.4701 | -.4910 | -.3180 | | .1752 | |
| 180.000 | -.4882 | -.3076 | -.4023 | -.3485 | .1613 | .1741 | .1824 |

BETA ( 1) = .000 ALPHA ( 3) = -2.050 Q(PSF) = 101.00 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3233 | -.3219 | -.2469 | -.0657 | .1495 | .1623 | .2018 |
| 44.800 | -.3154 | -.2497 | -.1985 | -.1002 | .1556 | .1918 | |
| 50.100 | -.1771 | -.4485 | -.2716 | -.1408 | .1545 | .1918 | |
| 101.400 | -.3778 | -.4444 | -.4648 | -.2565 | | .1873 | |
| 115.600 | -.4369 | -.5053 | -.5007 | -.2365 | | .1946 | |
| 133.800 | -.4267 | -.4523 | -.5510 | -.2359 | | .1968 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG051)

BETA ( 1) = .000 ALPHA ( 3) = -2.050

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4430 | -.4755 | -.4821 | -.2966 | | .1946 | |
| 180.000 | -.5081 | -.3186 | -.3962 | -.3294 | .1645 | .1918 | .2018 |

BETA ( 1) = .000 ALPHA ( 4) = .080 Q(PSF) = 101.00 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3278 | -.3194 | -.2445 | -.0629 | .1511 | .1622 | .2062 |
| 44.800 | -.3199 | -.2533 | -.2026 | -.1052 | .1533 | .1922 | |
| 50.100 | -.2031 | -.4567 | -.2789 | -.1546 | .1522 | .1906 | |
| 101.400 | -.3813 | -.4479 | -.4711 | -.2664 | | .1894 | |
| 115.600 | -.4302 | -.4990 | -.5009 | -.2436 | | .1961 | |
| 133.800 | -.4283 | -.4511 | -.5400 | -.2214 | | .1972 | |
| 149.100 | -.4469 | -.4772 | -.4063 | -.2736 | | .1978 | |
| 180.000 | -.5177 | -.3231 | -.3860 | -.3070 | .1655 | .1984 | .2062 |

BETA ( 1) = .000 ALPHA ( 5) = 2.260 Q(PSF) = 101.00 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3208 | -.3194 | -.2450 | -.0662 | .1511 | .1583 | .1978 |
| 44.800 | -.2999 | -.2594 | -.2063 | -.1091 | .1517 | .1872 | |
| 50.100 | -.2180 | -.4665 | -.2859 | -.1613 | .1517 | .1872 | |
| 101.400 | -.3813 | -.4526 | -.4805 | -.2787 | | .1850 | |
| 115.600 | -.4265 | -.5000 | -.5075 | -.2542 | | .1917 | |
| 133.800 | -.4288 | -.4507 | -.5275 | -.2097 | | .1911 | |
| 149.100 | -.4488 | -.4735 | -.4479 | -.2459 | | .1923 | |
| 180.000 | -.5177 | -.3129 | -.3727 | -.2854 | .1628 | .1911 | .1978 |

OA172 TAILCONE PRESSURES GEAR ON (CFG051)

BETA ( 1) = .000 ALPHA ( 6) = 4.310 Q(PSF) = 101.00 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3221 | -.3226 | -.2499 | -.0730 | .1479 | .1585 | .2019 |
| 44.800 | -.3068 | -.2625 | -.2117 | -.1142 | .1507 | .1847 | |
| 50.100 | -.2275 | -.4694 | -.2876 | -.1654 | .1518 | .1875 | |
| 101.400 | -.3808 | -.4531 | -.4834 | -.2873 | | .1858 | |
| 115.600 | -.4270 | -.5029 | -.5127 | -.2645 | | .1902 | |
| 133.800 | -.4335 | -.4521 | -.5206 | -.2010 | | .1908 | |
| 149.100 | -.4512 | -.4712 | -.4344 | -.2261 | | .1941 | |
| 180.000 | -.5132 | -.3091 | -.3636 | -.2684 | .1624 | .1919 | .2019 |

BETA ( 1) = .000 ALPHA ( 7) = 6.560 Q(PSF) = 101.00 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3279 | -.3275 | -.2533 | -.0781 | .1480 | .1670 | .2155 |
| 44.800 | -.3139 | -.2734 | -.2151 | -.1176 | .1536 | .1959 | |
| 50.100 | -.2417 | -.4697 | -.2850 | -.1711 | .1553 | .1954 | |
| 101.400 | -.3820 | -.4552 | -.4893 | -.2981 | | .1965 | |
| 115.600 | -.4328 | -.5070 | -.5186 | -.2764 | | .2010 | |
| 133.800 | -.4366 | -.4534 | -.5088 | -.1939 | | .2038 | |
| 149.100 | -.4548 | -.4706 | -.4207 | -.2090 | | .2032 | |
| 180.000 | -.5415 | -.3079 | -.3583 | -.2691 | .1742 | .2049 | .2155 |

BETA ( 1) = .000 ALPHA ( 8) = 8.720 Q(PSF) = 101.00 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3352 | -.3315 | -.2555 | -.0758 | .1485 | .1725 | .2232 |
| 44.800 | -.3185 | -.2756 | -.2155 | -.1164 | .1558 | .1992 | |
| 50.100 | -.2523 | -.4550 | -.2803 | -.1632 | .1552 | .2009 | |
| 101.400 | -.3777 | -.4536 | -.4937 | -.3041 | | .2025 | |
| 115.600 | -.4354 | -.5105 | -.5245 | -.2846 | | .2020 | |
| 133.800 | -.4364 | -.4522 | -.4946 | -.1911 | | .2009 | |
| 149.100 | -.4555 | -.4671 | -.4070 | -.1950 | | .2025 | |
| 180.000 | -.5538 | -.2938 | -.3603 | -.2729 | .1769 | .2037 | .2232 |

OA172 TAILCONE PRESSURES GEAR ON (CF0051)

BETA ( 1) = .000 ALPHA ( 9) = 10.900 Q(PSF) = 101.00 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3447 | -.3428 | -.2637 | -.0713 | .1478 | .1734 | .2252 |
| 44.800 | -.3307 | -.2883 | -.2176 | -.1180 | .1539 | .2007 | |
| 50.100 | -.2632 | -.4448 | -.2753 | -.1670 | .1595 | .2012 | |
| 101.400 | -.3763 | -.4541 | -.5007 | -.3160 | | .2023 | |
| 115.600 | -.4406 | -.5183 | -.5384 | -.2977 | | .2029 | |
| 133.800 | -.4373 | -.4518 | -.4844 | -.1975 | | .1984 | |
| 149.100 | -.4574 | -.4667 | -.4006 | -.1948 | | .1990 | |
| 180.000 | -.5621 | -.2897 | -.3600 | -.2760 | .1745 | .2001 | .2252 |

BETA ( 1) = .000 ALPHA (10) = 13.130 Q(PSF) = 101.00 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3614 | -.3600 | -.2703 | -.0556 | .1465 | .1726 | .2271 |
| 44.800 | -.3470 | -.2875 | -.2219 | -.1156 | .1571 | .2021 | |
| 50.100 | -.2736 | -.4386 | -.2768 | -.1673 | .1654 | .2015 | |
| 101.400 | -.3707 | -.4554 | -.5163 | -.3323 | | .2037 | |
| 115.600 | -.4456 | -.5260 | -.5516 | -.3134 | | .2043 | |
| 133.800 | -.4465 | -.4591 | -.4767 | -.2034 | | .1965 | |
| 149.100 | -.4581 | -.4637 | -.4042 | -.2101 | | .1932 | |
| 180.000 | -.5721 | -.2945 | -.3623 | -.2840 | .1659 | .1960 | .2271 |

BETA ( 1) = .000 ALPHA (11) = 15.260 Q(PSF) = 101.00 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3753 | -.3712 | -.2722 | -.0506 | .1518 | .1707 | .2263 |
| 44.800 | -.3600 | -.2894 | -.2216 | -.1155 | .1613 | .2012 | |
| 50.100 | -.2839 | -.4115 | -.2778 | -.1632 | .1652 | .2012 | |
| 101.400 | -.3749 | -.4617 | -.5304 | -.3440 | | .2001 | |
| 115.600 | -.4464 | -.5318 | -.5657 | -.3324 | | .2007 | |
| 133.800 | -.4566 | -.4640 | -.4770 | -.2098 | | .1940 | |
| 149.100 | -.4584 | -.4654 | -.4153 | -.2347 | | .1918 | |
| 180.000 | -.5680 | -.2955 | -.3684 | -.2941 | .1541 | .1901 | .2263 |

OA172 TAILCONE PRESSURES GEAR ON (CFG051)

BETA ( 1) = .000 ALPHA (12) = 17.450 Q(PSF) = 101.00 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3817 | -.3789 | -.2758 | -.0478 | .1479 | .1701 | .2273 |
| 44.800 | -.3668 | -.2865 | -.2197 | -.1143 | .1590 | .2006 | |
| 50.100 | -.2893 | -.3756 | -.2754 | -.1614 | .1629 | .2017 | |
| 101.400 | -.3789 | -.4708 | -.5460 | -.3539 | | .1967 | |
| 115.600 | -.4480 | -.5371 | -.5831 | -.3539 | | .1995 | |
| 133.800 | -.4726 | -.4745 | -.4935 | -.2130 | | .1945 | |
| 149.100 | -.4638 | -.4777 | -.4485 | -.2757 | | .1923 | |
| 180.000 | -.5710 | -.3074 | -.3760 | -.3139 | .1429 | .1900 | .2273 |

BETA ( 1) = .000 ALPHA (13) = 19.660 Q(PSF) = 101.00 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3933 | -.3896 | -.2887 | -.0506 | .1398 | .1620 | .2270 |
| 44.800 | -.3817 | -.2874 | -.2172 | -.1183 | .1509 | .1942 | |
| 50.100 | -.2971 | -.3310 | -.2599 | -.1583 | .1525 | .1959 | |
| 101.400 | -.4003 | -.4914 | -.5643 | -.3560 | | .1936 | |
| 115.600 | -.4607 | -.5560 | -.6113 | -.3771 | | .1986 | |
| 133.800 | -.4784 | -.4890 | -.5230 | -.2338 | | .1936 | |
| 149.100 | -.5169 | -.5295 | -.5104 | -.3343 | | .1920 | |
| 180.000 | -.5699 | -.3176 | -.3960 | -.3465 | .1375 | .1914 | .2270 |

BETA ( 1) = .000 ALPHA (14) = 21.830 Q(PSF) = 101.00 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4196 | -.4159 | -.3070 | -.0554 | .1239 | .1555 | .2264 |
| 44.800 | -.4062 | -.2977 | -.2180 | -.1142 | .1339 | .1892 | |
| 50.100 | -.3135 | -.2806 | -.2301 | -.1430 | .1377 | .1881 | |
| 101.400 | -.4178 | -.5114 | -.5726 | -.3484 | | .1942 | |
| 115.600 | -.4887 | -.5972 | -.6570 | -.4066 | | .1942 | |
| 133.800 | -.4924 | -.5161 | -.5708 | -.2642 | | .1931 | |
| 149.100 | -.6194 | -.6301 | -.5944 | -.3833 | | .1953 | |
| 180.000 | -.5721 | -.3293 | -.4298 | -.3905 | .1372 | .1937 | .2264 |

OA172 TAILCONE PRESSURES GEAR ON (CFG052) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -10.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

BETA ( 1) = .000 ALPHA ( 1) = -6.390 Q(PSF) = 60.574 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3609 | -.3585 | -.2777 | -.0962 | .1098 | .1098 | .1404 |
| 44.800 | -.3609 | -.2878 | -.2210 | -.1009 | .1107 | .1395 | |
| 50.100 | -.1146 | -.3647 | -.1954 | -.1176 | .1079 | .1358 | |
| 101.400 | -.2933 | -.3562 | -.3787 | -.1984 | | .1497 | |
| 115.600 | -.3508 | -.4090 | -.4184 | -.1733 | | .1571 | |
| 133.800 | -.3562 | -.3896 | -.4945 | -.1956 | | .1580 | |
| 149.100 | -.3725 | -.4145 | -.4479 | -.2763 | | .1590 | |
| 180.000 | -.3780 | -.2459 | -.3729 | -.3144 | .1701 | .1580 | .1404 |

BETA ( 1) = .000 ALPHA ( 2) = -4.290 Q(PSF) = 60.574 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3578 | -.3578 | -.2795 | -.0988 | .1123 | .1197 | .1540 |
| 44.800 | -.3554 | -.2841 | -.2252 | -.1081 | .1179 | .1475 | |
| 50.100 | -.1670 | -.4020 | -.2081 | -.1266 | .1142 | .1457 | |
| 101.400 | -.3004 | -.3663 | -.3934 | -.2118 | | .1503 | |
| 115.600 | -.3516 | -.4136 | -.4299 | -.1896 | | .1605 | |
| 133.800 | -.3647 | -.3958 | -.4911 | -.1859 | | .1642 | |
| 149.100 | -.3857 | -.4260 | -.4415 | -.2572 | | .1633 | |
| 180.000 | -.4082 | -.2624 | -.3693 | -.3026 | .1670 | .1623 | .1540 |

BETA ( 1) = .000 ALPHA ( 3) = -2.190 Q(PSF) = 60.574 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3539 | -.3532 | -.2764 | -.0960 | .1346 | .1429 | .1855 |
| 44.800 | -.3524 | -.2834 | -.2283 | -.1173 | .1383 | .1744 | |
| 50.100 | -.2089 | -.4152 | -.2206 | -.1359 | .1383 | .1763 | |
| 101.400 | -.3051 | -.3726 | -.4020 | -.2202 | | .1661 | |
| 115.600 | -.3547 | -.4168 | -.4392 | -.1998 | | .1763 | |
| 133.800 | -.3702 | -.3989 | -.4842 | -.1776 | | .1809 | |

0A172 TAILCONE PRESSURES GEAR ON (CF0052)

BETA ( 1) = .000 ALPHA ( 3) = -2.190

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.3943 | -.4284 | -.4315 | -.2387 | | .1818 | |
| 180.000 | -.4245 | -.2741 | -.3601 | -.2832 | .1670 | .1809 | .1855 |

BETA ( 1) = .000 ALPHA ( 4) = -.080 Q(PSF) = 60.574 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3507 | -.3499 | -.2755 | -.0932 | .1447 | .1623 | .2003 |
| 44.800 | -.3476 | -.2863 | -.2321 | -.1266 | .1456 | .1882 | |
| 50.100 | -.2391 | -.4344 | -.2336 | -.1460 | .1447 | .1882 | |
| 101.400 | -.3080 | -.3762 | -.4104 | -.2330 | | .1771 | |
| 115.600 | -.3592 | -.4228 | -.4476 | -.2136 | | .1873 | |
| 133.800 | -.3762 | -.4018 | -.4778 | -.1682 | | .1929 | |
| 149.100 | -.4011 | -.4305 | -.4173 | -.2173 | | .1910 | |
| 180.000 | -.4367 | -.2778 | -.3460 | -.2618 | .1697 | .1919 | .2003 |

BETA ( 1) = .000 ALPHA ( 5) = 2.020 Q(PSF) = 60.574 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3493 | -.3478 | -.2749 | -.1053 | .1466 | .1605 | .1948 |
| 44.800 | -.3478 | -.2904 | -.2361 | -.1322 | .1466 | .1846 | |
| 50.100 | -.2617 | -.4478 | -.2415 | -.1544 | .1513 | .1893 | |
| 101.400 | -.3121 | -.3827 | -.4214 | -.2499 | | .1791 | |
| 115.600 | -.3664 | -.4315 | -.4602 | -.2286 | | .1865 | |
| 133.800 | -.3788 | -.4021 | -.4649 | -.1591 | | .1902 | |
| 149.100 | -.4028 | -.4261 | -.3990 | -.1924 | | .1911 | |
| 180.000 | -.4331 | -.2694 | -.3342 | -.2378 | .1689 | .1920 | .1948 |

OA172 TAILCONE PRESSURES GEAR ON (CFG052)

BETA ( 1) = .000 ALPHA ( 6) = 4.110 Q(PSF) = 60.574 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3459 | -.3459 | -.2731 | -.1034 | .1437 | .1604 | .1984 |
| 44.800 | -.3436 | -.2924 | -.2382 | -.1367 | .1474 | .1872 | |
| 50.100 | -.2801 | -.4614 | -.2467 | -.1598 | .1474 | .1891 | |
| 101.400 | -.3118 | -.3839 | -.4296 | -.2608 | | .1854 | |
| 115.600 | -.3746 | -.4420 | -.4707 | -.2432 | | .1854 | |
| 133.800 | -.3831 | -.4040 | -.4583 | -.1543 | | .1891 | |
| 149.100 | -.4048 | -.4226 | -.3831 | -.1719 | | .1909 | |
| 180.000 | -.4211 | -.2646 | -.3246 | -.2191 | .1687 | .1909 | .1984 |

BETA ( 1) = .000 ALPHA ( 7) = 6.220 Q(PSF) = 60.574 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3434 | -.3427 | -.2736 | -.1101 | .1468 | .1700 | .2127 |
| 44.800 | -.3419 | -.2945 | -.2402 | -.1416 | .1449 | .1997 | |
| 50.100 | -.2945 | -.4708 | -.2534 | -.1629 | .1486 | .1959 | |
| 101.400 | -.3132 | -.3900 | -.4397 | -.2714 | | .2024 | |
| 115.600 | -.3854 | -.4552 | -.4840 | -.2585 | | .2006 | |
| 133.800 | -.3877 | -.4079 | -.4475 | -.1509 | | .2034 | |
| 149.100 | -.4087 | -.4226 | -.3698 | -.1592 | | .2034 | |
| 180.000 | -.4545 | -.2565 | -.3197 | -.2176 | .1774 | .2043 | .2127 |

BETA ( 1) = .000 ALPHA ( 8) = 8.330 Q(PSF) = 60.574 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3468 | -.3468 | -.2794 | -.1117 | .1391 | .1752 | .2198 |
| 44.800 | -.3452 | -.3018 | -.2468 | -.1441 | .1438 | .2012 | |
| 50.100 | -.3057 | -.4770 | -.2639 | -.1682 | .1484 | .2049 | |
| 101.400 | -.3135 | -.3917 | -.4437 | -.2794 | | .2105 | |
| 115.600 | -.3964 | -.4654 | -.4972 | -.2747 | | .2086 | |
| 133.800 | -.3902 | -.4073 | -.4352 | -.1506 | | .2040 | |
| 149.100 | -.4104 | -.4189 | -.3576 | -.1488 | | .2021 | |
| 180.000 | -.4786 | -.2453 | -.3275 | -.2312 | .1780 | .2040 | .2198 |

OA172 TAILCONE PRESSURES GEAR ON (CFG052)

BETA ( 1) = .000 ALPHA ( 9) = 10.430 Q(PSF) = 60.574 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3507 | -.3483 | -.2800 | -.1148 | .1357 | .1729 | .2230 |
| 44.800 | -.3483 | -.3048 | -.2489 | -.1463 | .1422 | .2017 | |
| 50.100 | -.3149 | -.4843 | -.2559 | -.1695 | .1478 | .2026 | |
| 101.400 | -.3126 | -.3926 | -.4524 | -.2865 | | .2156 | |
| 115.600 | -.4043 | -.4757 | -.5115 | -.2874 | | .2119 | |
| 133.800 | -.3926 | -.4082 | -.4291 | -.1491 | | .2026 | |
| 149.100 | -.4097 | -.4159 | -.3507 | -.1500 | | .1998 | |
| 180.000 | -.4866 | -.2419 | -.3329 | -.2391 | .1756 | .2007 | .2230 |

BETA ( 1) = .000 ALPHA (10) = 12.530 Q(PSF) = 60.574 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3526 | -.3534 | -.2820 | -.1054 | .1337 | .1792 | .2247 |
| 44.800 | -.3526 | -.3185 | -.2510 | -.1471 | .1449 | .2051 | |
| 50.100 | -.3231 | -.4907 | -.2580 | -.1666 | .1467 | .2024 | |
| 101.400 | -.3130 | -.3968 | -.4628 | -.2982 | | .2116 | |
| 115.600 | -.4100 | -.4845 | -.5257 | -.3010 | | .2126 | |
| 133.800 | -.3984 | -.4124 | -.4232 | -.1499 | | .1996 | |
| 149.100 | -.4139 | -.4178 | -.3580 | -.1666 | | .1986 | |
| 180.000 | -.4923 | -.2463 | -.3307 | -.2454 | .1708 | .1968 | .2247 |

BETA ( 1) = .000 ALPHA (11) = 14.650 Q(PSF) = 60.574 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3643 | -.3619 | -.2859 | -.0980 | .1337 | .1754 | .2284 |
| 44.800 | -.3627 | -.3293 | -.2517 | -.1462 | .1430 | .2033 | |
| 50.100 | -.3317 | -.5062 | -.2611 | -.1675 | .1486 | .2005 | |
| 101.400 | -.3169 | -.4062 | -.4783 | -.3112 | | .2079 | |
| 115.600 | -.4116 | -.4900 | -.5404 | -.3195 | | .2116 | |
| 133.800 | -.4116 | -.4193 | -.4310 | -.1601 | | .1977 | |
| 149.100 | -.4217 | -.4287 | -.3805 | -.1981 | | .1968 | |
| 180.000 | -.5062 | -.2510 | -.3371 | -.2602 | .1652 | .1940 | .2284 |

0A172 TAILCONE PRESSURES GEAR ON (CFG052)

BETA ( 1) = .000 ALPHA (12) = 16.770 Q(PSF) = 60.574 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3715 | -.3707 | -.2901 | -.0978 | .1372 | .1789 | .2290 |
| 44.800 | -.3746 | -.3366 | -.2506 | -.1469 | .1437 | .2086 | |
| 50.100 | -.3405 | -.4970 | -.2367 | -.1562 | .1483 | .2067 | |
| 101.400 | -.3281 | -.4172 | -.4963 | -.3200 | | .2030 | |
| 115.600 | -.4087 | -.4932 | -.5552 | -.3348 | | .2095 | |
| 133.800 | -.4157 | -.4304 | -.4513 | -.1719 | | .2021 | |
| 149.100 | -.4343 | -.4475 | -.4149 | -.2311 | | .1984 | |
| 180.000 | -.5102 | -.2599 | -.3441 | -.2747 | .1585 | .1993 | .2290 |

BETA ( 1) = .000 ALPHA (13) = 18.910 Q(PSF) = 60.574 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3799 | -.3791 | -.2985 | -.1024 | .1372 | .1816 | .2354 |
| 44.800 | -.3822 | -.3411 | -.2443 | -.1441 | .1400 | .2085 | |
| 50.100 | -.3481 | -.4604 | -.2164 | -.1459 | .1474 | .2085 | |
| 101.400 | -.3404 | -.4302 | -.5061 | -.3190 | | .2039 | |
| 115.600 | -.4109 | -.5030 | -.5735 | -.3477 | | .2103 | |
| 133.800 | -.4271 | -.4434 | -.4728 | -.1866 | | .2057 | |
| 149.100 | -.4813 | -.4937 | -.4674 | -.2662 | | .2076 | |
| 180.000 | -.5092 | -.2691 | -.3615 | -.2995 | .1622 | .2076 | .2354 |

BETA ( 1) = .000 ALPHA (14) = 21.040 Q(PSF) = 60.574 PO = 2121.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3909 | -.3886 | -.3082 | -.1097 | .1324 | .1786 | .2332 |
| 44.800 | -.3956 | -.3198 | -.2355 | -.1374 | .1361 | .2063 | |
| 50.100 | -.3546 | -.4149 | -.1867 | -.1374 | .1425 | .2063 | |
| 101.400 | -.3577 | -.4474 | -.5186 | -.3148 | | .2054 | |
| 115.600 | -.4234 | -.5224 | -.6052 | -.3703 | | .2110 | |
| 133.800 | -.4350 | -.4551 | -.5023 | -.2159 | | .2091 | |
| 149.100 | -.5583 | -.5541 | -.5108 | -.2889 | | .2091 | |
| 180.000 | -.5062 | -.2919 | -.3823 | -.3315 | .1647 | .2063 | .2332 |

OA172 TAILCONE PRESSURES GEAR ON (CFG053) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

BETA ( 1) = .000 ALPHA ( 1) = -6.320 Q(PSF) = 60.575 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3368 | -.3352 | -.2507 | -.0738 | .1188 | .1253 | .1614 |
| 44.800 | -.3399 | -.2965 | -.2096 | -.0904 | .1188 | .1512 | |
| 50.100 | -.3073 | -.3972 | -.2244 | -.1238 | .1243 | .1530 | |
| 101.400 | -.3205 | -.3864 | -.4050 | -.2053 | | .1586 | |
| 115.600 | -.3864 | -.4438 | -.4484 | -.1896 | | .1623 | |
| 133.800 | -.3786 | -.4112 | -.5228 | -.2238 | | .1595 | |
| 149.100 | -.3910 | -.4337 | -.4693 | -.3016 | | .1586 | |
| 180.000 | -.4158 | -.2655 | -.3887 | -.3359 | .1614 | .1605 | .1614 |

BETA ( 1) = .000 ALPHA ( 2) = -4.210 Q(PSF) = 60.575 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3340 | -.3340 | -.2518 | -.0776 | .1272 | .1319 | .1717 |
| 44.800 | -.3356 | -.2789 | -.2137 | -.0980 | .1310 | .1625 | |
| 50.100 | -.3185 | -.4341 | -.2386 | -.1304 | .1365 | .1643 | |
| 101.400 | -.3286 | -.3977 | -.4225 | -.2222 | | .1653 | |
| 115.600 | -.3837 | -.4434 | -.4574 | -.2018 | | .1717 | |
| 133.800 | -.3876 | -.4186 | -.5210 | -.2148 | | .1745 | |
| 149.100 | -.4046 | -.4434 | -.4652 | -.2843 | | .1736 | |
| 180.000 | -.4380 | -.2820 | -.3817 | -.3205 | .1643 | .1699 | .1717 |

BETA ( 1) = .000 ALPHA ( 3) = -2.100 Q(PSF) = 60.575 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3324 | -.3324 | -.2478 | -.0711 | .1430 | .1550 | .1940 |
| 44.800 | -.3316 | -.2727 | -.2153 | -.1026 | .1467 | .1856 | |
| 50.100 | -.3239 | -.4465 | -.2416 | -.1387 | .1458 | .1847 | |
| 101.400 | -.3347 | -.4051 | -.4317 | -.2351 | | .1782 | |
| 115.600 | -.3844 | -.4441 | -.4635 | -.2129 | | .1847 | |
| 133.800 | -.3922 | -.4216 | -.5147 | -.2027 | | .1903 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG053)

BETA ( 1) = .000 ALPHA ( 3) = -2.100

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4139 | -.4488 | -.4550 | -.2648 | | .1884 | |
| 180.000 | -.4581 | -.2921 | -.3733 | -.3019 | .1662 | .1866 | .1940 |

BETA ( 1) = .000 ALPHA ( 4) = .000 Q(PSF) = 60.575 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3302 | -.3294 | -.2471 | -.0720 | .1467 | .1606 | .2015 |
| 44.800 | -.3271 | -.2704 | -.2184 | -.1082 | .1467 | .1885 | |
| 50.100 | -.3255 | -.4590 | -.2495 | -.1490 | .1421 | .1885 | |
| 101.400 | -.3387 | -.4078 | -.4396 | -.2491 | | .1820 | |
| 115.600 | -.3860 | -.4427 | -.4699 | -.2241 | | .1894 | |
| 133.800 | -.3959 | -.4233 | -.5063 | -.1944 | | .1931 | |
| 149.100 | -.4202 | -.4497 | -.4411 | -.2436 | | .1959 | |
| 180.000 | -.4637 | -.2968 | -.3650 | -.2806 | .1653 | .1940 | .2015 |

BETA ( 1) = .000 ALPHA ( 5) = 2.100 Q(PSF) = 60.575 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3293 | -.3270 | -.2455 | -.0803 | .1467 | .1560 | .1893 |
| 44.800 | -.3270 | -.2727 | -.2215 | -.1128 | .1458 | .1847 | |
| 50.100 | -.3285 | -.4759 | -.2571 | -.1573 | .1458 | .1847 | |
| 101.400 | -.3417 | -.4123 | -.4472 | -.2611 | | .1791 | |
| 115.600 | -.3875 | -.4480 | -.4783 | -.2379 | | .1847 | |
| 133.800 | -.3999 | -.4224 | -.4915 | -.1842 | | .1884 | |
| 149.100 | -.4232 | -.4457 | -.4224 | -.2175 | | .1903 | |
| 180.000 | -.4674 | -.2866 | -.3510 | -.2574 | .1643 | .1884 | .1893 |

0A172 TAILCONE PRESSURES GEAR ON (CFG053)

BETA ( 1) = .000 ALPHA ( 6) = 4.200 Q(PSF) = 60.575 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3301 | -.3293 | -.2486 | -.0748 | .1476 | .1587 | .1912 |
| 44.800 | -.3270 | -.2758 | -.2253 | -.1183 | .1476 | .1828 | |
| 50.100 | -.3301 | -.4837 | -.2595 | -.1591 | .1467 | .1847 | |
| 101.400 | -.3409 | -.4138 | -.4526 | -.2713 | | .1801 | |
| 115.600 | -.3906 | -.4542 | -.4852 | -.2500 | | .1856 | |
| 133.800 | -.4030 | -.4239 | -.4860 | -.1758 | | .1875 | |
| 149.100 | -.4255 | -.4433 | -.4061 | -.1971 | | .1875 | |
| 180.000 | -.4619 | -.2820 | -.3427 | -.2388 | .1643 | .1875 | .1912 |

BETA ( 1) = .000 ALPHA ( 7) = 6.300 Q(PSF) = 60.575 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3301 | -.3293 | -.2510 | -.0794 | .1467 | .1671 | .2107 |
| 44.800 | -.3270 | -.2804 | -.2277 | -.1202 | .1476 | .1949 | |
| 50.100 | -.3316 | -.4853 | -.2572 | -.1619 | .1476 | .1931 | |
| 101.400 | -.3410 | -.4154 | -.4581 | -.2796 | | .1893 | |
| 115.600 | -.3968 | -.4604 | -.4938 | -.2611 | | .1940 | |
| 133.800 | -.4061 | -.4240 | -.4744 | -.1693 | | .1986 | |
| 149.100 | -.4263 | -.4410 | -.3945 | -.1814 | | .2005 | |
| 180.000 | -.4829 | -.2766 | -.3371 | -.2398 | .1727 | .1996 | .2107 |

BETA ( 1) = .000 ALPHA ( 8) = 8.420 Q(PSF) = 60.575 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3350 | -.3350 | -.2519 | -.0887 | .1487 | .1700 | .2192 |
| 44.800 | -.3327 | -.2892 | -.2309 | -.1249 | .1459 | .1978 | |
| 50.100 | -.3334 | -.4864 | -.2535 | -.1630 | .1514 | .1978 | |
| 101.400 | -.3420 | -.4181 | -.4647 | -.2873 | | .1978 | |
| 115.600 | -.4033 | -.4685 | -.5027 | -.2743 | | .1988 | |
| 133.800 | -.4080 | -.4251 | -.4615 | -.1685 | | .1988 | |
| 149.100 | -.4289 | -.4383 | -.3792 | -.1704 | | .1969 | |
| 180.000 | -.5081 | -.2643 | -.3448 | -.2520 | .1737 | .2016 | .2192 |

OA172 TAILCONE PRESSURES GEAR ON (CFG053)

BETA ( 1) = .000 ALPHA ( 9) = 10.520 Q(PSF) = 60.575 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3369 | -.3354 | -.2524 | -.0905 | .1457 | .1735 | .2217 |
| 44.800 | -.3346 | -.2989 | -.2330 | -.1284 | .1457 | .1995 | |
| 50.100 | -.3346 | -.4920 | -.2500 | -.1591 | .1513 | .1985 | |
| 101.400 | -.3392 | -.4183 | -.4742 | -.2980 | | .2022 | |
| 115.600 | -.4114 | -.4773 | -.5168 | -.2860 | | .2004 | |
| 133.800 | -.4098 | -.4245 | -.4501 | -.1702 | | .1939 | |
| 149.100 | -.4276 | -.4362 | -.3726 | -.1692 | | .1948 | |
| 180.000 | -.5199 | -.2625 | -.3471 | -.2554 | .1707 | .1948 | .2217 |

BETA ( 1) = .000 ALPHA (10) = 12.620 Q(PSF) = 60.575 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3455 | -.3447 | -.2656 | -.0803 | .1392 | .1726 | .2208 |
| 44.800 | -.3431 | -.3082 | -.2369 | -.1285 | .1513 | .1958 | |
| 50.100 | -.3400 | -.4936 | -.2462 | -.1618 | .1513 | .1958 | |
| 101.400 | -.3377 | -.4222 | -.4858 | -.3101 | | .2013 | |
| 115.600 | -.4153 | -.4874 | -.5308 | -.2981 | | .2032 | |
| 133.800 | -.4153 | -.4308 | -.4447 | -.1720 | | .1958 | |
| 149.100 | -.4292 | -.4377 | -.3780 | -.1841 | | .1920 | |
| 180.000 | -.5207 | -.2679 | -.3453 | -.2619 | .1661 | .1911 | .2208 |

BETA ( 1) = .000 ALPHA (11) = 14.750 Q(PSF) = 60.575 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3554 | -.3562 | -.2608 | -.0729 | .1429 | .1679 | .2208 |
| 44.800 | -.3570 | -.3252 | -.2391 | -.1284 | .1503 | .1957 | |
| 50.100 | -.3453 | -.4764 | -.2360 | -.1581 | .1549 | .1976 | |
| 101.400 | -.3399 | -.4283 | -.4981 | -.3193 | | .1994 | |
| 115.600 | -.4151 | -.4896 | -.5438 | -.3165 | | .1994 | |
| 133.800 | -.4291 | -.4368 | -.4485 | -.1803 | | .1911 | |
| 149.100 | -.4337 | -.4415 | -.3926 | -.2109 | | .1873 | |
| 180.000 | -.5299 | -.2717 | -.3471 | -.2739 | .1577 | .1864 | .2208 |

OA172 TAILCONE PRESSURES GEAR ON (CFG053)

BETA ( 1) = .000 ALPHA (12) = 16.900 Q(PSF) = 60.575 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3637 | -.3637 | -.2630 | -.0673 | .1391 | .1715 | .2234 |
| 44.800 | -.3668 | -.3242 | -.2382 | -.1274 | .1511 | .2011 | |
| 50.100 | -.3528 | -.4497 | -.2196 | -.1533 | .1576 | .1983 | |
| 101.400 | -.3497 | -.4388 | -.5140 | -.3302 | | .1983 | |
| 115.600 | -.4172 | -.4946 | -.5605 | -.3357 | | .2002 | |
| 133.800 | -.4388 | -.4458 | -.4667 | -.1885 | | .1937 | |
| 149.100 | -.4412 | -.4528 | -.4218 | -.2431 | | .1909 | |
| 180.000 | -.5241 | -.2792 | -.3542 | -.2866 | .1530 | .1918 | .2234 |

BETA ( 1) = .000 ALPHA (13) = 19.020 Q(PSF) = 60.575 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3705 | -.3690 | -.2737 | -.0746 | .1418 | .1723 | .2270 |
| 44.800 | -.3775 | -.3248 | -.2319 | -.1292 | .1464 | .2011 | |
| 50.100 | -.3605 | -.4093 | -.2040 | -.1477 | .1538 | .2001 | |
| 101.400 | -.3643 | -.4542 | -.5278 | -.3300 | | .1964 | |
| 115.600 | -.4224 | -.5053 | -.5804 | -.3532 | | .2048 | |
| 133.800 | -.4449 | -.4581 | -.4890 | -.2060 | | .1992 | |
| 149.100 | -.4797 | -.4914 | -.4720 | -.2912 | | .1983 | |
| 180.000 | -.5216 | -.2861 | -.3726 | -.3152 | .1520 | .1983 | .2270 |

BETA ( 1) = .000 ALPHA (14) = 21.150 Q(PSF) = 60.575 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3831 | -.3808 | -.2849 | -.0810 | .1360 | .1711 | .2322 |
| 44.800 | -.3924 | -.3058 | -.2269 | -.1281 | .1425 | .1998 | |
| 50.100 | -.3676 | -.3669 | -.1929 | -.1401 | .1462 | .2017 | |
| 101.400 | -.3839 | -.4751 | -.5463 | -.3314 | | .1989 | |
| 115.600 | -.4357 | -.5269 | -.6159 | -.3850 | | .2044 | |
| 133.800 | -.4496 | -.4705 | -.5184 | -.2334 | | .2035 | |
| 149.100 | -.5579 | -.5679 | -.5362 | -.3295 | | .2026 | |
| 180.000 | -.5215 | -.2942 | -.3960 | -.3471 | .1508 | .2017 | .2322 |

OA172 TAILCONE PRESSURES GEAR ON (CFG054) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

BETA ( 1) = .000 ALPHA ( 1) = -6.190 Q(PSF) = 60.559 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3372 | -.3357 | -.2381 | -.0524 | .1390 | .1362 | .1760 |
| 44.800 | -.3287 | -.2675 | -.1963 | -.0830 | .1418 | .1696 | |
| 50.100 | -.3217 | -.4123 | -.2443 | -.1218 | .1399 | .1686 | |
| 101.400 | -.3728 | -.4333 | -.4402 | -.2190 | | .1723 | |
| 115.600 | -.4666 | -.5231 | -.5107 | -.2273 | | .1714 | |
| 133.800 | -.4232 | -.4557 | -.5773 | -.2773 | | .1677 | |
| 149.100 | -.4255 | -.4704 | -.5154 | -.3532 | | .1659 | |
| 180.000 | -.4549 | -.2962 | -.4216 | -.3744 | .1464 | .1640 | .1760 |

BETA ( 1) = .000 ALPHA ( 2) = -4.080 Q(PSF) = 60.559 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3397 | -.3382 | -.2372 | -.0498 | .1487 | .1524 | .1886 |
| 44.800 | -.3296 | -.2582 | -.2030 | -.0888 | .1543 | .1812 | |
| 50.100 | -.3265 | -.4081 | -.2527 | -.1333 | .1552 | .1821 | |
| 101.400 | -.3824 | -.4461 | -.4562 | -.2363 | | .1830 | |
| 115.600 | -.4570 | -.5145 | -.5129 | -.2344 | | .1849 | |
| 133.800 | -.4290 | -.4609 | -.5719 | -.2641 | | .1830 | |
| 149.100 | -.4391 | -.4811 | -.5075 | -.3319 | | .1802 | |
| 180.000 | -.4733 | -.3133 | -.4200 | -.3606 | .1589 | .1802 | .1886 |

BETA ( 1) = .000 ALPHA ( 3) = -1.980 Q(PSF) = 60.559 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3395 | -.3379 | -.2363 | -.0460 | .1532 | .1597 | .2024 |
| 44.800 | -.3302 | -.2564 | -.2060 | -.0915 | .1579 | .1894 | |
| 50.100 | -.3294 | -.4062 | -.2588 | -.1360 | .1588 | .1903 | |
| 101.400 | -.3845 | -.4497 | -.4644 | -.2491 | | .1903 | |
| 115.600 | -.4474 | -.5032 | -.5110 | -.2389 | | .1940 | |
| 133.800 | -.4295 | -.4598 | -.5614 | -.2500 | | .1940 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG054)

BETA ( 1) = .000 ALPHA ( 3) = -1.980

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4450 | -.4815 | -.4962 | -.3122 | | .1950 | |
| 180.000 | -.4978 | -.3224 | -.4095 | -.3418 | .1634 | .1940 | .2024 |

BETA ( 1) = .000 ALPHA ( 4) = .110 Q(PSF) = 60.559 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3413 | -.3397 | -.2372 | -.0433 | .1533 | .1598 | .2016 |
| 44.800 | -.3312 | -.2582 | -.2100 | -.0943 | .1598 | .1877 | |
| 50.100 | -.3319 | -.4197 | -.2667 | -.1546 | .1580 | .1877 | |
| 101.400 | -.3902 | -.4554 | -.4748 | -.2604 | | .1895 | |
| 115.600 | -.4391 | -.4958 | -.5098 | -.2465 | | .1951 | |
| 133.800 | -.4337 | -.4593 | -.5533 | -.2354 | | .1960 | |
| 149.100 | -.4523 | -.4834 | -.4818 | -.2855 | | .1960 | |
| 180.000 | -.5074 | -.3226 | -.3959 | -.3179 | .1626 | .1960 | .2016 |

BETA ( 1) = .000 ALPHA ( 5) = 2.230 Q(PSF) = 60.559 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3438 | -.3423 | -.2399 | -.0432 | .1494 | .1540 | .1939 |
| 44.800 | -.3353 | -.2647 | -.2151 | -.0988 | .1559 | .1827 | |
| 50.100 | -.3337 | -.4299 | -.2756 | -.1683 | .1577 | .1855 | |
| 101.400 | -.3935 | -.4586 | -.4849 | -.2711 | | .1864 | |
| 115.600 | -.4338 | -.4911 | -.5129 | -.2517 | | .1901 | |
| 133.800 | -.4338 | -.4578 | -.5377 | -.2220 | | .1892 | |
| 149.100 | -.4539 | -.4803 | -.4663 | -.2600 | | .1911 | |
| 180.000 | -.5051 | -.3167 | -.3851 | -.2980 | .1623 | .1901 | .1939 |

0A172 TAILCONE PRESSURES GEAR ON (CFG054)

BETA ( 1) = .000 ALPHA ( 6) = 4.320 Q(PSF) = 60.559 P0 = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3440 | -.3432 | -.2447 | -.0469 | .1494 | .1541 | .1921 |
| 44.800 | -.3347 | -.2695 | -.2191 | -.1016 | .1531 | .1809 | |
| 50.100 | -.3362 | -.4363 | -.2804 | -.1702 | .1569 | .1809 | |
| 101.400 | -.3928 | -.4619 | -.4898 | -.2814 | | .1856 | |
| 115.600 | -.4308 | -.4808 | -.5169 | -.2601 | | .1893 | |
| 133.800 | -.4370 | -.4595 | -.5332 | -.2110 | | .1902 | |
| 149.100 | -.4564 | -.4813 | -.4518 | -.2379 | | .1893 | |
| 180.000 | -.4999 | -.3114 | -.3769 | -.2786 | .1633 | .1884 | .1921 |

BETA ( 1) = .000 ALPHA ( 7) = 6.420 Q(PSF) = 60.559 P0 = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3425 | -.3425 | -.2409 | -.0562 | .1504 | .1615 | .2070 |
| 44.800 | -.3347 | -.2688 | -.2153 | -.1035 | .1578 | .1912 | |
| 50.100 | -.3371 | -.4434 | -.2789 | -.1712 | .1597 | .1903 | |
| 101.400 | -.3922 | -.4597 | -.4907 | -.2871 | | .1958 | |
| 115.600 | -.4302 | -.4915 | -.5217 | -.2676 | | .1986 | |
| 133.800 | -.4379 | -.4604 | -.5248 | -.2027 | | .2014 | |
| 149.100 | -.4589 | -.4775 | -.4379 | -.2222 | | .2014 | |
| 180.000 | -.5279 | -.3076 | -.3705 | -.2759 | .1736 | .2005 | .2070 |

BETA ( 1) = .000 ALPHA ( 8) = 8.540 Q(PSF) = 60.559 P0 = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3577 | -.3554 | -.2507 | -.0543 | .1493 | .1669 | .2170 |
| 44.800 | -.3507 | -.2771 | -.2182 | -.1016 | .1558 | .1957 | |
| 50.100 | -.3407 | -.4275 | -.2763 | -.1692 | .1614 | .1975 | |
| 101.400 | -.3903 | -.4624 | -.4957 | -.2989 | | .2003 | |
| 115.600 | -.4314 | -.4949 | -.5228 | -.2794 | | .2012 | |
| 133.800 | -.4391 | -.4569 | -.5089 | -.1997 | | .2022 | |
| 149.100 | -.4600 | -.4748 | -.4228 | -.2072 | | .2022 | |
| 180.000 | -.5407 | -.2957 | -.3757 | -.2831 | .1790 | .2031 | .2170 |

OA172 TAILCONE PRESSURES GEAR ON (CFG054)

BETA ( 1) = .000 ALPHA ( 9) = 10.630 Q(PSF) = 60.559 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3656 | -.3641 | -.2522 | -.0535 | .1497 | .1692 | .2259 |
| 44.800 | -.3617 | -.2809 | -.2203 | -.1028 | .1599 | .1971 | |
| 50.100 | -.3462 | -.4270 | -.2801 | -.1752 | .1655 | .1998 | |
| 101.400 | -.3913 | -.4651 | -.5094 | -.3098 | | .2036 | |
| 115.600 | -.4363 | -.5001 | -.5351 | -.2903 | | .2036 | |
| 133.800 | -.4410 | -.4581 | -.4985 | -.2049 | | .2018 | |
| 149.100 | -.4628 | -.4737 | -.4177 | -.2058 | | .2008 | |
| 180.000 | -.5529 | -.2926 | -.3804 | -.2894 | .1794 | .2018 | .2259 |

BETA ( 1) = .000 ALPHA (10) = 12.760 Q(PSF) = 60.559 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3744 | -.3744 | -.2549 | -.0405 | .1523 | .1727 | .2247 |
| 44.800 | -.3729 | -.2929 | -.2231 | -.1026 | .1625 | .2024 | |
| 50.100 | -.3504 | -.4195 | -.2790 | -.1777 | .1709 | .2024 | |
| 101.400 | -.3845 | -.4637 | -.5134 | -.3233 | | .2043 | |
| 115.600 | -.4404 | -.5056 | -.5452 | -.3029 | | .2043 | |
| 133.800 | -.4466 | -.4622 | -.4893 | -.2102 | | .2024 | |
| 149.100 | -.4614 | -.4699 | -.4156 | -.2139 | | .1996 | |
| 180.000 | -.5631 | -.2953 | -.3725 | -.2918 | .1709 | .2006 | .2247 |

BETA ( 1) = .000 ALPHA (11) = 14.880 Q(PSF) = 60.559 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3841 | -.3818 | -.2544 | -.0303 | .1590 | .1729 | .2240 |
| 44.800 | -.3849 | -.3033 | -.2233 | -.0944 | .1645 | .1989 | |
| 50.100 | -.3585 | -.3927 | -.2699 | -.1686 | .1701 | .1980 | |
| 101.400 | -.3849 | -.4680 | -.5302 | -.3366 | | .2007 | |
| 115.600 | -.4416 | -.5123 | -.5597 | -.3181 | | .2007 | |
| 133.800 | -.4540 | -.4696 | -.4820 | -.2160 | | .1970 | |
| 149.100 | -.4610 | -.4727 | -.4230 | -.2327 | | .1942 | |
| 180.000 | -.5636 | -.2994 | -.3756 | -.2986 | .1580 | .1942 | .2240 |

OA172 TAILCONE PRESSURES GEAR ON (CFG054)

BETA ( 1) = .000 ALPHA (12) = 16.990 Q(PSF) = 60.559 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3872 | -.3879 | -.2554 | -.0238 | .1586 | .1688 | .2235 |
| 44.800 | -.3926 | -.3011 | -.2220 | -.0960 | .1642 | .2012 | |
| 50.100 | -.3647 | -.3554 | -.2647 | -.1581 | .1688 | .1975 | |
| 101.400 | -.3872 | -.4701 | -.5407 | -.3433 | | .1985 | |
| 115.600 | -.4422 | -.5188 | .8746 | -.3387 | | .1994 | |
| 133.800 | -.4732 | -.4763 | -.4926 | -.2220 | | .1938 | |
| 149.100 | -.4616 | -.4724 | -.4399 | -.2627 | | .1929 | |
| 180.000 | -.5577 | -.3042 | -.3813 | -.3127 | .1466 | .1938 | .2235 |

BETA ( 1) = .000 ALPHA (13) = 19.150 Q(PSF) = 60.559 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3944 | -.3905 | -.2605 | -.0237 | .1492 | .1630 | .2186 |
| 44.800 | -.4006 | -.2938 | -.2187 | -.0950 | .1538 | .1926 | |
| 50.100 | -.3681 | -.3139 | -.2636 | -.1431 | .1575 | .1917 | |
| 101.400 | -.4014 | -.4858 | -.5539 | -.3438 | | .1926 | |
| 115.600 | -.4517 | -.5322 | -.5980 | -.3623 | | .1945 | |
| 133.800 | -.4796 | -.4904 | -.5175 | -.2374 | | .1908 | |
| 149.100 | -.4765 | -.4966 | -.4858 | -.3133 | | .1871 | |
| 180.000 | -.5616 | -.3139 | -.3984 | -.3364 | .1334 | .1880 | .2186 |

BETA ( 1) = .000 ALPHA (14) = 21.260 Q(PSF) = 60.559 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4118 | -.4064 | -.2718 | -.0256 | .1314 | .1555 | .2165 |
| 44.800 | -.4203 | -.2911 | -.2208 | -.0976 | .1416 | .1850 | |
| 50.100 | -.3755 | -.2826 | -.2455 | -.1309 | .1416 | .1841 | |
| 101.400 | -.4188 | -.5023 | -.5704 | -.3481 | | .1832 | |
| 115.600 | -.4659 | -.5526 | -.6346 | -.3980 | | .1887 | |
| 133.800 | -.4853 | -.5038 | -.5503 | -.2584 | | .1832 | |
| 149.100 | -.5495 | -.5642 | -.5557 | -.3740 | | .1850 | |
| 180.000 | -.5557 | -.3182 | -.4248 | -.3749 | .1250 | .1832 | .2165 |

0A172 TAILCONE PRESSURES GEAR ON (CFG056) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = 5.000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

BETA ( 1) = .000 ALPHA ( 1) = -6.270 Q(PSF) = 60.534 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3331 | -.3315 | -.2431 | -.0710 | .1263 | .1300 | .1151 |
| 44.800 | -.3331 | -.2656 | -.2167 | -.0979 | .1374 | .1615 | |
| 50.100 | -.3036 | -.4145 | -.2679 | -.1378 | .1392 | .1652 | |
| 101.400 | -.3796 | -.4409 | -.4471 | -.2230 | | .1865 | |
| 115.600 | -.4727 | -.5309 | -.5169 | -.2286 | | .1800 | |
| 133.800 | -.4215 | -.4549 | -.5758 | -.2768 | | .1522 | |
| 149.100 | -.4207 | -.4634 | -.5084 | -.3500 | | .1411 | |
| 180.000 | -.4230 | -.2865 | -.4065 | -.3546 | .1485 | .1411 | .1151 |

BETA ( 1) = .000 ALPHA ( 2) = -4.160 Q(PSF) = 60.534 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3378 | -.3370 | -.2486 | -.0673 | .1365 | .1393 | .1346 |
| 44.800 | -.3401 | -.2750 | -.2269 | -.1053 | .1467 | .1754 | |
| 50.100 | -.3137 | -.4317 | -.2812 | -.1526 | .1504 | .1754 | |
| 101.400 | -.3890 | -.4526 | -.4650 | -.2397 | | .1977 | |
| 115.600 | -.4650 | -.5224 | -.5170 | -.2351 | | .1930 | |
| 133.800 | -.4270 | -.4596 | -.5705 | -.2620 | | .1652 | |
| 149.100 | -.4317 | -.4728 | -.5046 | -.3297 | | .1596 | |
| 180.000 | -.4472 | -.3006 | -.3992 | -.3399 | .1559 | .1624 | .1346 |

BETA ( 1) = .000 ALPHA ( 3) = -2.050 Q(PSF) = 60.534 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3401 | -.3393 | -.2462 | -.0655 | .1457 | .1466 | .1689 |
| 44.800 | -.3408 | -.2811 | -.2299 | -.1137 | .1559 | .1791 | |
| 50.100 | -.3176 | -.4409 | -.2850 | -.1656 | .1605 | .1800 | |
| 101.400 | -.3920 | -.4572 | -.4742 | -.2545 | | .1967 | |
| 115.600 | -.4533 | -.5115 | -.5130 | -.2406 | | .1948 | |
| 133.800 | -.4292 | -.4572 | -.5588 | -.2490 | | .1800 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG056)

BETA ( 1) = .000 ALPHA ( 3) = -2.050

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4386 | -.4742 | -.4913 | -.3083 | | .1754 | |
| 180.000 | -.4657 | -.3075 | -.3935 | -.3231 | .1578 | .1754 | .1689 |

BETA ( 1) = .000 ALPHA ( 4) = .040 Q(PSF) = 60.534 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3439 | -.3424 | -.2485 | -.0581 | .1476 | .1476 | .1781 |
| 44.800 | -.3455 | -.2912 | -.2338 | -.1192 | .1596 | .1791 | |
| 50.100 | -.3245 | -.4510 | -.2958 | -.1767 | .1605 | .1800 | |
| 101.400 | -.3936 | -.4603 | -.4820 | -.2666 | | .1883 | |
| 115.600 | -.4432 | -.5014 | -.5114 | -.2452 | | .1874 | |
| 133.800 | -.4300 | -.4556 | -.5479 | -.2332 | | .1791 | |
| 149.100 | -.4440 | -.4734 | -.4750 | -.2823 | | .1735 | |
| 180.000 | -.4727 | -.3144 | -.3815 | -.3027 | .1568 | .1707 | .1781 |

BETA ( 1) = .000 ALPHA ( 5) = 2.150 Q(PSF) = 60.534 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3466 | -.3451 | -.2503 | -.0544 | .1477 | .1486 | .1793 |
| 44.800 | -.3482 | -.2992 | -.2364 | -.1249 | .1579 | .1765 | |
| 50.100 | -.3295 | -.4561 | -.3039 | -.1908 | .1598 | .1802 | |
| 101.400 | -.3971 | -.4631 | -.4887 | -.2789 | | .1839 | |
| 115.600 | -.4359 | -.4926 | -.5096 | -.2492 | | .1839 | |
| 133.800 | -.4281 | -.4522 | -.5306 | -.2195 | | .1755 | |
| 149.100 | -.4452 | -.4693 | -.4584 | -.2557 | | .1700 | |
| 180.000 | -.4708 | -.3086 | -.3707 | -.2808 | .1551 | .1672 | .1793 |

0A172 TAILCONE PRESSURES GEAR ON (CFG056)

BETA ( 1) = .000 ALPHA ( 6) = 4.260 Q(PSF) = 60.534 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3504 | -.3489 | -.2549 | -.0665 | .1440 | .1486 | .1829 |
| 44.800 | -.3520 | -.3023 | -.2386 | -.1267 | .1579 | .1737 | |
| 50.100 | -.3341 | -.4692 | -.3101 | -.1954 | .1579 | .1764 | |
| 101.400 | -.3962 | -.4645 | -.4909 | -.2853 | | .1820 | |
| 115.600 | -.4311 | -.4909 | -.5111 | -.2547 | | .1839 | |
| 133.800 | -.4304 | -.4521 | -.5235 | -.2056 | | .1774 | |
| 149.100 | -.4443 | -.4645 | -.4366 | -.2306 | | .1727 | |
| 180.000 | -.4575 | -.3015 | -.3642 | -.2649 | .1560 | .1672 | .1829 |

BETA ( 1) = .000 ALPHA ( 7) = 6.360 Q(PSF) = 60.534 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3540 | -.3517 | -.2576 | -.0712 | .1423 | .1432 | .1767 |
| 44.800 | -.3555 | -.3073 | -.2413 | -.1306 | .1609 | .1748 | |
| 50.100 | -.3384 | -.4651 | -.3105 | -.1993 | .1600 | .1776 | |
| 101.400 | -.3967 | -.4636 | -.4947 | -.2931 | | .1822 | |
| 115.600 | -.4302 | -.4916 | -.5133 | -.2634 | | .1804 | |
| 133.800 | -.4325 | -.4527 | -.5141 | -.1984 | | .1767 | |
| 149.100 | -.4480 | -.4651 | -.4278 | -.2161 | | .1748 | |
| 180.000 | -.4737 | -.2895 | -.3656 | -.2625 | .1627 | .1739 | .1767 |

BETA ( 1) = .000 ALPHA ( 8) = 8.460 Q(PSF) = 60.534 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3595 | -.3580 | -.2633 | -.0710 | .1411 | .1448 | .1884 |
| 44.800 | -.3611 | -.3168 | -.2424 | -.1276 | .1606 | .1754 | |
| 50.100 | -.3424 | -.4487 | -.3145 | -.1980 | .1652 | .1773 | |
| 101.400 | -.3952 | -.4642 | -.4984 | -.3009 | | .1810 | |
| 115.600 | -.4293 | -.4891 | -.5147 | -.2703 | | .1773 | |
| 133.800 | -.4324 | -.4503 | -.5022 | -.1934 | | .1800 | |
| 149.100 | -.4487 | -.4604 | -.4123 | -.2017 | | .1782 | |
| 180.000 | -.4945 | -.2773 | -.3658 | -.2675 | .1671 | .1800 | .1884 |

OA172 TAILCONE PRESSURES GEAR ON (CFG056)

BETA ( 1) = .000 ALPHA ( 9) = 10.600 Q(PSF) = 60.534 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3781 | -.3781 | -.2724 | -.0693 | .1358 | .1534 | .1915 |
| 44.800 | -.3835 | -.3268 | -.2475 | -.1306 | .1618 | .1850 | |
| 50.100 | -.3501 | -.4231 | -.3120 | -.1975 | .1655 | .1822 | |
| 101.400 | -.3921 | -.4651 | -.5086 | -.3173 | | .1850 | |
| 115.600 | -.4340 | -.4962 | -.5257 | -.2811 | | .1804 | |
| 133.800 | -.4309 | -.4465 | -.4884 | -.1975 | | .1822 | |
| 149.100 | -.4480 | -.4589 | -.4053 | -.1975 | | .1813 | |
| 180.000 | -.5001 | -.2778 | -.3637 | -.2736 | .1692 | .1869 | .1915 |

BETA ( 1) = .000 ALPHA (10) = 12.750 Q(PSF) = 60.534 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3934 | -.3934 | -.2792 | -.0582 | .1393 | .1497 | .1942 |
| 44.800 | -.3989 | -.3274 | -.2520 | -.1306 | .1617 | .1775 | |
| 50.100 | -.3585 | -.4113 | -.3119 | -.1983 | .1664 | .1812 | |
| 101.400 | -.3888 | -.4657 | -.5208 | -.3292 | | .1831 | |
| 115.600 | -.4400 | -.5045 | -.5395 | -.2948 | | .1794 | |
| 133.800 | -.4408 | -.4556 | -.4867 | -.2076 | | .1766 | |
| 149.100 | -.4501 | -.4610 | -.4082 | -.2076 | | .1784 | |
| 180.000 | -.5061 | -.2808 | -.3691 | -.2781 | .1636 | .1812 | .1942 |

BETA ( 1) = .000 ALPHA (11) = 14.810 Q(PSF) = 60.534 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4037 | -.4029 | -.2827 | -.0497 | .1402 | .1494 | .1949 |
| 44.800 | -.4107 | -.3323 | -.2493 | -.1248 | .1568 | .1763 | |
| 50.100 | -.3672 | -.3952 | -.3044 | -.1869 | .1624 | .1800 | |
| 101.400 | -.3851 | -.4665 | -.5255 | -.3398 | | .1819 | |
| 115.600 | -.4401 | -.5069 | -.5487 | -.3046 | | .1754 | |
| 133.800 | -.4564 | -.4727 | -.4851 | -.2165 | | .1689 | |
| 149.100 | -.4502 | -.4603 | -.4114 | -.2221 | | .1689 | |
| 180.000 | -.5123 | -.2827 | -.3658 | -.2879 | .1541 | .1735 | .1949 |

OA172 TAILCONE PRESSURES GEAR ON (CFG056)

BETA ( 1) = .000 ALPHA (12) = 16.940 Q(PSF) = 60.534 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4129 | -.4098 | -.2857 | -.0479 | .1383 | .1411 | .1818 |
| 44.800 | -.4199 | -.3260 | -.2500 | -.1220 | .1540 | .1735 | |
| 50.100 | -.3764 | -.3757 | -.2997 | -.1748 | .1587 | .1763 | |
| 101.400 | -.3888 | -.4726 | -.5439 | -.3508 | | .1735 | |
| 115.600 | -.4408 | -.5160 | -.5680 | -.3314 | | .1642 | |
| 133.800 | -.4540 | -.4679 | -.4788 | -.2193 | | .1559 | |
| 149.100 | -.4470 | -.4594 | -.4261 | -.2508 | | .1605 | |
| 180.000 | -.5160 | -.2873 | -.3759 | -.3027 | .1438 | .1642 | .1818 |

BETA ( 1) = .000 ALPHA (13) = 19.060 Q(PSF) = 60.534 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4190 | -.4167 | -.2911 | -.0553 | .1345 | .1355 | .1799 |
| 44.800 | -.4291 | -.3205 | -.2484 | -.1183 | .1457 | .1707 | |
| 50.100 | -.3864 | -.3461 | -.2864 | -.1692 | .1466 | .1688 | |
| 101.400 | -.4004 | -.4857 | -.5570 | -.3526 | | .1753 | |
| 115.600 | -.4508 | -.5299 | -.5896 | -.3554 | | .1660 | |
| 133.800 | -.4834 | -.4841 | -.5020 | -.2368 | | .1568 | |
| 149.100 | -.4539 | -.4710 | -.4617 | -.3017 | | .1503 | |
| 180.000 | -.5183 | -.2965 | -.3897 | -.3258 | .1373 | .1577 | .1799 |

BETA ( 1) = .000 ALPHA (14) = 21.180 Q(PSF) = 60.534 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4348 | -.4325 | -.3039 | -.0598 | .1214 | .1335 | .1862 |
| 44.800 | -.4465 | -.3287 | -.2482 | -.1163 | .1326 | .1714 | |
| 50.100 | -.3961 | -.3218 | -.2629 | -.1524 | .1372 | .1742 | |
| 101.400 | -.4163 | -.4960 | -.5696 | -.3532 | | .1751 | |
| 115.600 | -.4612 | -.5502 | -.6238 | -.3893 | | .1751 | |
| 133.800 | -.4821 | -.4960 | -.5340 | -.2523 | | .1575 | |
| 149.100 | -.4945 | -.5200 | -.5255 | -.3615 | | .1529 | |
| 180.000 | -.5177 | -.3008 | -.4106 | -.3587 | .1307 | .1557 | .1862 |

OA172 TAILCONE PRESSURES GEAR ON (CFG057) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = 10.000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

BETA ( 1) = .000 ALPHA ( 1) = -6.270 Q(PSF) = 60.593 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3584 | -.3545 | -.2654 | -.0802 | .1132 | .1030 | .1076 |
| 44.800 | -.3739 | -.4599 | -.2739 | -.1358 | .1262 | .1317 | |
| 50.100 | -.1693 | -.5940 | -.2731 | -.1784 | .1299 | .1326 | |
| 101.400 | -.4064 | -.4646 | -.4638 | -.2367 | | .1725 | |
| 115.600 | -.5281 | -.5855 | -.5584 | -.2599 | | .1428 | |
| 133.800 | -.4429 | -.4754 | -.6025 | -.3108 | | .1132 | |
| 149.100 | -.4289 | -.4754 | -.5305 | -.3803 | | .1187 | |
| 180.000 | -.4095 | -.2917 | -.4164 | -.3617 | .1299 | .1243 | .1076 |

BETA ( 1) = .000 ALPHA ( 2) = -4.170 Q(PSF) = 60.593 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3621 | -.3613 | -.2666 | -.0785 | .1190 | .1013 | .0976 |
| 44.800 | -.3792 | -.4747 | -.2814 | -.1509 | .1356 | .1329 | |
| 50.100 | -.2162 | -.5904 | -.2884 | -.1963 | .1421 | .1338 | |
| 101.400 | -.4165 | -.4770 | -.4824 | -.2511 | | .1709 | |
| 115.600 | -.5143 | -.5725 | -.5554 | -.2613 | | .1403 | |
| 133.800 | -.4452 | -.4786 | -.5966 | -.2956 | | .1097 | |
| 149.100 | -.4413 | -.4840 | -.5236 | -.3614 | | .1106 | |
| 180.000 | -.4343 | -.3047 | -.4106 | -.3522 | .1310 | .1190 | .0976 |

BETA ( 1) = .000 ALPHA ( 3) = -2.060 Q(PSF) = 60.593 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3665 | -.3642 | -.2688 | -.0738 | .1281 | .1040 | .1179 |
| 44.800 | -.3812 | -.4790 | -.2881 | -.1591 | .1457 | .1346 | |
| 50.100 | -.2532 | -.5969 | -.2998 | -.2073 | .1485 | .1420 | |
| 101.400 | -.4208 | -.4836 | -.4945 | -.2638 | | .1698 | |
| 115.600 | -.4999 | -.5581 | -.5504 | -.2620 | | .1439 | |
| 133.800 | -.4480 | -.4790 | -.5876 | -.2787 | | .1059 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG057)

BETA ( 1) = .000 ALPHA ( 3) = -2.060

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4511 | -.4883 | -.5139 | -.3361 | | .1077 | |
| 180.000 | -.4557 | -.3168 | -.4029 | -.3315 | .1309 | .1152 | .1179 |

BETA ( 1) = .000 ALPHA ( 4) = .040 Q(PSF) = 60.593 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3694 | -.3694 | -.2725 | -.0673 | .1290 | .1040 | .1234 |
| 44.800 | -.3865 | -.4888 | -.2973 | -.1627 | .1503 | .1327 | |
| 50.100 | -.2841 | -.6323 | -.3128 | -.2294 | .1512 | .1420 | |
| 101.400 | -.4260 | -.4881 | -.5043 | -.2767 | | .1661 | |
| 115.600 | -.4842 | -.5431 | -.5439 | -.2628 | | .1373 | |
| 133.800 | -.4501 | -.4772 | -.5765 | -.2609 | | .1049 | |
| 149.100 | -.4563 | -.4896 | -.4997 | -.3100 | | .1040 | |
| 180.000 | -.4625 | -.3229 | -.3906 | -.3110 | .1299 | .1086 | .1234 |

BETA ( 1) = .000 ALPHA ( 5) = 2.140 Q(PSF) = 60.593 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3702 | -.3710 | -.2725 | -.0766 | .1244 | .1012 | .1373 |
| 44.800 | -.3888 | -.5059 | -.3074 | -.1729 | .1475 | .1327 | |
| 50.100 | -.3066 | -.6525 | -.3152 | -.2369 | .1522 | .1364 | |
| 101.400 | -.4230 | -.4889 | -.5067 | -.2869 | | .1587 | |
| 115.600 | -.4687 | -.5261 | -.5315 | -.2619 | | .1235 | |
| 133.800 | -.4462 | -.4703 | -.5556 | -.2424 | | .0994 | |
| 149.100 | -.4563 | -.4842 | -.4772 | -.2813 | | .1031 | |
| 180.000 | -.4656 | -.3214 | -.3796 | -.2906 | .1262 | .1105 | .1373 |

OA172 TAILCONE PRESSURES GEAR ON (CFG057)

BETA ( 1) = .000 ALPHA ( 6) = 4.240 Q(PSF) = 60.593 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3753 | -.3745 | -.2775 | -.0794 | .1217 | .1004 | .1421 |
| 44.800 | -.3916 | -.5134 | -.3186 | -.1833 | .1477 | .1301 | |
| 50.100 | -.3271 | -.6695 | -.3209 | -.2427 | .1495 | .1356 | |
| 101.400 | -.4250 | -.4894 | -.5134 | -.2946 | | .1579 | |
| 115.600 | -.4614 | -.5197 | -.5329 | -.2640 | | .1282 | |
| 133.800 | -.4475 | -.4676 | -.5437 | -.2278 | | .1078 | |
| 149.100 | -.4583 | -.4762 | -.4568 | -.2538 | | .1124 | |
| 180.000 | -.4614 | -.3163 | -.3716 | -.2724 | .1319 | .1189 | .1421 |

BETA ( 1) = .000 ALPHA ( 7) = 6.350 Q(PSF) = 60.593 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3765 | -.3765 | -.2780 | -.0840 | .1151 | .0920 | .1337 |
| 44.800 | -.3913 | -.4976 | -.3122 | -.1832 | .1494 | .1253 | |
| 50.100 | -.3401 | -.6325 | -.3215 | -.2462 | .1504 | .1318 | |
| 101.400 | -.4239 | -.4882 | -.5131 | -.3046 | | .1420 | |
| 115.600 | -.4541 | -.5131 | -.5286 | -.2694 | | .1161 | |
| 133.800 | -.4464 | -.4658 | -.5332 | -.2156 | | .1096 | |
| 149.100 | -.4580 | -.4751 | -.4417 | -.2342 | | .1142 | |
| 180.000 | -.4665 | -.2966 | -.3732 | -.2685 | .1355 | .1244 | .1337 |

BETA ( 1) = .000 ALPHA ( 8) = 8.460 Q(PSF) = 60.593 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3851 | -.3835 | -.2850 | -.0831 | .1142 | .0948 | .1476 |
| 44.800 | -.3990 | -.4789 | -.3191 | -.1850 | .1513 | .1309 | |
| 50.100 | -.3540 | -.6403 | -.3284 | -.2508 | .1550 | .1318 | |
| 101.400 | -.4246 | -.4906 | -.5200 | -.3102 | | .1402 | |
| 115.600 | -.4495 | -.5084 | -.5301 | -.2740 | | .1170 | |
| 133.800 | -.4487 | -.4681 | -.5301 | -.2091 | | .1179 | |
| 149.100 | -.4595 | -.4735 | -.4332 | -.2212 | | .1198 | |
| 180.000 | -.4727 | -.2966 | -.3760 | -.2703 | .1392 | .1263 | .1476 |

0A172 TAILCONE PRESSURES GEAR ON (CFG057)

BETA ( 1) = .000 ALPHA ( 9) = 10.570 Q(PSF) = 60.593 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4002 | -.3979 | -.2909 | -.0858 | .1150 | .1058 | .1539 |
| 44.800 | -.4141 | -.4699 | -.3157 | -.1784 | .1474 | .1372 | |
| 50.100 | -.3669 | -.6365 | -.3219 | -.2506 | .1567 | .1382 | |
| 101.400 | -.4242 | -.4916 | -.5257 | -.3210 | | .1410 | |
| 115.600 | -.4498 | -.5071 | -.5311 | -.2830 | | .1345 | |
| 133.800 | -.4475 | -.4629 | -.5164 | -.2163 | | .1335 | |
| 149.100 | -.4606 | -.4715 | -.4242 | -.2173 | | .1326 | |
| 180.000 | -.4753 | -.2948 | -.3774 | -.2774 | .1437 | .1354 | .1539 |

BETA ( 1) = .000 ALPHA (10) = 12.680 Q(PSF) = 60.593 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4184 | -.4176 | -.3051 | -.0766 | .1170 | .1077 | .1680 |
| 44.800 | -.4339 | -.4804 | -.3300 | -.1850 | .1476 | .1374 | |
| 50.100 | -.3811 | -.6348 | -.3230 | -.2592 | .1541 | .1392 | |
| 101.400 | -.4192 | -.4913 | -.5347 | -.3333 | | .1392 | |
| 115.600 | -.4517 | -.5122 | -.5401 | -.2916 | | .1235 | |
| 133.800 | -.4502 | -.4641 | -.5153 | -.2295 | | .1309 | |
| 149.100 | -.4634 | -.4742 | -.4269 | -.2212 | | .1392 | |
| 180.000 | -.4882 | -.2935 | -.3796 | -.2851 | .1439 | .1392 | .1680 |

BETA ( 1) = .000 ALPHA (11) = 14.810 Q(PSF) = 60.593 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4383 | -.4461 | -.3174 | -.0738 | .1216 | .0993 | .1558 |
| 44.800 | -.4523 | -.4128 | -.3174 | -.1729 | .1419 | .1318 | |
| 50.100 | -.3965 | -.5135 | -.3089 | -.2451 | .1466 | .1308 | |
| 101.400 | -.4135 | -.4872 | -.5407 | -.3452 | | .1318 | |
| 115.600 | -.4562 | -.5190 | -.5492 | -.3044 | | .1104 | |
| 133.800 | -.4639 | -.4732 | -.5213 | -.2470 | | .1234 | |
| 149.100 | -.4624 | -.4717 | -.4275 | -.2331 | | .1280 | |
| 180.000 | -.4887 | -.2949 | -.3841 | -.2961 | .1382 | .1355 | .1558 |

0A172 TAILCONE PRESSURES GEAR ON (CFG057)

BETA ( 1) = .000 ALPHA (12) = 16.930 Q(PSF) = 60.593 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4557 | -.4502 | -.3225 | -.0755 | .1186 | .0964 | .1483 |
| 44.800 | -.4665 | -.3968 | -.3031 | -.1514 | .1381 | .1223 | |
| 50.100 | -.4092 | -.4510 | -.2876 | -.2097 | .1399 | .1251 | |
| 101.400 | -.4084 | -.4859 | -.5501 | -.3559 | | .1298 | |
| 115.600 | -.4588 | -.5300 | -.5687 | -.3244 | | .0992 | |
| 133.800 | -.5114 | -.5192 | -.5354 | -.2597 | | .1122 | |
| 149.100 | -.4572 | -.4711 | -.4332 | -.2513 | | .1196 | |
| 180.000 | -.4998 | -.2938 | -.3901 | -.3106 | .1298 | .1261 | .1483 |

BETA ( 1) = .000 ALPHA (13) = 19.070 Q(PSF) = 60.593 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4662 | -.4623 | -.3292 | -.0783 | .1093 | .0853 | .1343 |
| 44.800 | -.4794 | -.3788 | -.2890 | -.1384 | .1269 | .1167 | |
| 50.100 | -.4213 | -.3834 | -.2650 | -.1920 | .1287 | .1167 | |
| 101.400 | -.4244 | -.5018 | -.5691 | -.3631 | | .1204 | |
| 115.600 | -.4724 | -.5467 | -.5978 | -.3547 | | .0945 | |
| 133.800 | -.4848 | -.4941 | -.5134 | -.2604 | | .1001 | |
| 149.100 | -.4585 | -.4763 | -.4577 | -.2928 | | .0992 | |
| 180.000 | -.5049 | -.3045 | -.4038 | -.3372 | .1204 | .1075 | .1343 |

BETA ( 1) = .000 ALPHA (14) = 21.200 Q(PSF) = 60.593 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4767 | -.4767 | -.3375 | -.0754 | .1028 | .0861 | .1342 |
| 44.800 | -.4937 | -.3653 | -.2764 | -.1244 | .1176 | .1176 | |
| 50.100 | -.4334 | -.3282 | -.2416 | -.1715 | .1222 | .1203 | |
| 101.400 | -.4365 | -.5130 | -.5803 | -.3693 | | .1323 | |
| 115.600 | -.4837 | -.5641 | -.6267 | -.3914 | | .0991 | |
| 133.800 | -.5169 | -.5130 | -.5308 | -.2722 | | .0982 | |
| 149.100 | -.4697 | -.4906 | -.4999 | -.3508 | | .0963 | |
| 180.000 | -.4991 | -.3050 | -.4182 | -.3656 | .1120 | .1037 | .1342 |

OA172 TAILCONE PRESSURES GEAR ON (CFG058) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 25.000 BDFLAP = -11.700

BETA ( 1) = .000 ALPHA ( 1) = -6.240 Q(PSF) = 60.599 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3610 | -.3595 | -.2555 | -.0664 | .1309 | .1374 | .1717 |
| 44.800 | -.3603 | -.3091 | -.2082 | -.0831 | .1355 | .1606 | |
| 50.100 | -.2431 | -.4417 | -.2517 | -.1229 | .1365 | .1615 | |
| 101.400 | -.3509 | -.4161 | -.4301 | -.2193 | | .1689 | |
| 115.600 | -.4355 | -.4952 | -.4929 | -.2193 | | .1698 | |
| 133.800 | -.4021 | -.4518 | -.5782 | -.2712 | | .1689 | |
| 149.100 | -.4091 | -.4774 | -.5588 | -.3593 | | .1680 | |
| 180.000 | -.3672 | -.3316 | -.4872 | -.3908 | .1606 | .1661 | .1717 |

BETA ( 1) = -.010 ALPHA ( 2) = -4.130 Q(PSF) = 60.599 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3601 | -.3570 | -.2562 | -.0636 | .1373 | .1419 | .1781 |
| 44.800 | -.3577 | -.2864 | -.2120 | -.0914 | .1429 | .1716 | |
| 50.100 | -.2725 | -.4492 | -.2593 | -.1321 | .1447 | .1707 | |
| 101.400 | -.3585 | -.4260 | -.4446 | -.2359 | | .1762 | |
| 115.600 | -.4275 | -.4872 | -.4934 | -.2303 | | .1799 | |
| 133.800 | -.4081 | -.4546 | -.5709 | -.2618 | | .1781 | |
| 149.100 | -.4213 | -.4857 | -.5516 | -.3424 | | .1799 | |
| 180.000 | -.3926 | -.3415 | -.4851 | -.3767 | .1642 | .1790 | .1781 |

BETA ( 1) = -.010 ALPHA ( 3) = -2.020 Q(PSF) = 60.599 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3610 | -.3594 | -.2578 | -.0599 | .1476 | .1578 | .1967 |
| 44.800 | -.3586 | -.2803 | -.2159 | -.0951 | .1531 | .1837 | |
| 50.100 | -.2958 | -.4525 | -.2609 | -.1405 | .1540 | .1837 | |
| 101.400 | -.3633 | -.4308 | -.4556 | -.2480 | | .1828 | |
| 115.600 | -.4215 | -.4804 | -.4967 | -.2369 | | .1902 | |
| 133.800 | -.4106 | -.4533 | -.5642 | -.2480 | | .1921 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG058)

BETA ( 1) = -.010 ALPHA ( 3) = -2.020

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4269 | -.4874 | -.5417 | -.3212 | | .1911 | |
| 180.000 | -.4060 | -.3486 | -.4732 | -.3546 | .1670 | .1902 | .1967 |

BETA ( 1) = -.010 ALPHA ( 4) = .070 Q(PSF) = 60.599 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3650 | -.3635 | -.2572 | -.0599 | .1467 | .1532 | .1903 |
| 44.800 | -.3619 | -.2828 | -.2230 | -.0980 | .1513 | .1801 | |
| 50.100 | -.3138 | -.4574 | -.2696 | -.1545 | .1504 | .1801 | |
| 101.400 | -.3681 | -.4349 | -.4659 | -.2630 | | .1801 | |
| 115.600 | -.4139 | -.4776 | -.4985 | -.2454 | | .1819 | |
| 133.800 | -.4116 | -.4543 | -.5544 | -.2370 | | .1857 | |
| 149.100 | -.4326 | -.4908 | -.5272 | -.3010 | | .1847 | |
| 180.000 | -.4201 | -.3511 | -.4623 | -.3297 | .1615 | .1838 | .1903 |

BETA ( 1) = -.010 ALPHA ( 5) = 2.180 Q(PSF) = 60.599 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3677 | -.3662 | -.2584 | -.0589 | .1456 | .1539 | .1891 |
| 44.800 | -.3654 | -.2871 | -.2251 | -.1043 | .1484 | .1789 | |
| 50.100 | -.3266 | -.4630 | -.2793 | -.1664 | .1484 | .1817 | |
| 101.400 | -.3693 | -.4382 | -.4731 | -.2766 | | .1743 | |
| 115.600 | -.4127 | -.4747 | -.5026 | -.2543 | | .1771 | |
| 133.800 | -.4119 | -.4483 | -.5398 | -.2247 | | .1725 | |
| 149.100 | -.4336 | -.4932 | -.5064 | -.2701 | | .1725 | |
| 180.000 | -.4096 | -.3398 | -.4423 | -.2960 | .1530 | .1752 | .1891 |

0AI72 TAILCONE PRESSURES GEAR ON (CFG058)

BETA ( 1) = -.010 ALPHA ( 6) = 4.280 Q(PSF) = 60.599 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3694 | -.3694 | -.2624 | -.0701 | .1447 | .1559 | .1948 |
| 44.800 | -.3671 | -.2911 | -.2298 | -.1071 | .1466 | .1818 | |
| 50.100 | -.3384 | -.4702 | -.2833 | -.1655 | .1475 | .1799 | |
| 101.400 | -.3702 | -.4407 | -.4779 | -.2859 | | .1809 | |
| 115.600 | -.4113 | -.4772 | -.5059 | -.2655 | | .1836 | |
| 133.800 | -.4151 | -.4516 | -.5322 | -.2127 | | .1818 | |
| 149.100 | -.4345 | -.4803 | -.4888 | -.2461 | | .1818 | |
| 180.000 | -.4035 | -.3384 | -.4267 | -.2730 | .1494 | .1818 | .1948 |

BETA ( 1) = -.010 ALPHA ( 7) = 6.390 Q(PSF) = 60.599 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3740 | -.3717 | -.2663 | -.0627 | .1484 | .1605 | .2022 |
| 44.800 | -.3725 | -.2996 | -.2329 | -.1090 | .1512 | .1846 | |
| 50.100 | -.3492 | -.4655 | -.2779 | -.1664 | .1531 | .1855 | |
| 101.400 | -.3701 | -.4422 | -.4818 | -.2896 | | .1873 | |
| 115.600 | -.4128 | -.4802 | -.5128 | -.2739 | | .1938 | |
| 133.800 | -.4167 | -.4516 | -.5229 | -.2072 | | .1948 | |
| 149.100 | -.4376 | -.4802 | -.4787 | -.2340 | | .1966 | |
| 180.000 | -.4306 | -.3283 | -.4258 | -.2785 | .1707 | .1966 | .2022 |

BETA ( 1) = -.010 ALPHA ( 8) = 8.500 Q(PSF) = 60.599 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3811 | -.3788 | -.2686 | -.0664 | .1466 | .1716 | .2134 |
| 44.800 | -.3788 | -.3066 | -.2361 | -.1090 | .1540 | .1939 | |
| 50.100 | -.3563 | -.4540 | -.2787 | -.1720 | .1568 | .1929 | |
| 101.400 | -.3718 | -.4439 | -.4873 | -.2999 | | .1967 | |
| 115.600 | -.4168 | -.4842 | -.5207 | -.2860 | | .2004 | |
| 133.800 | -.4183 | -.4493 | -.5090 | -.2063 | | .2032 | |
| 149.100 | -.4392 | -.4772 | -.4641 | -.2220 | | .2041 | |
| 180.000 | -.4377 | -.3097 | -.4267 | -.2888 | .1790 | .2050 | .2134 |

OA172 TAILCONE PRESSURES GEAR ON (CFG058)

BETA ( 1) = -.010 ALPHA ( 9) = 10.610 Q(PSF) = 60.599 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3919 | -.3911 | -.2771 | -.0682 | .1503 | .1735 | .2170 |
| 44.800 | -.3950 | -.3190 | -.2391 | -.1090 | .1540 | .1985 | |
| 50.100 | -.3663 | -.4399 | -.2725 | -.1674 | .1586 | .1966 | |
| 101.400 | -.3678 | -.4461 | -.4973 | -.3109 | | .2022 | |
| 115.600 | -.4221 | -.4934 | -.5307 | -.2980 | | .2041 | |
| 133.800 | -.4180 | -.4492 | -.4881 | -.2100 | | .2041 | |
| 149.100 | -.4399 | -.4756 | -.4562 | -.2202 | | .2031 | |
| 180.000 | -.4477 | -.3058 | -.4286 | -.2970 | .1790 | .2059 | .2170 |

BETA ( 1) = -.020 ALPHA (10) = 12.720 Q(PSF) = 60.599 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4082 | -.4051 | -.2811 | -.0581 | .1512 | .1726 | .2227 |
| 44.800 | -.4129 | -.3206 | -.2454 | -.1099 | .1577 | .2004 | |
| 50.100 | -.3780 | -.4230 | -.2702 | -.1711 | .1651 | .2004 | |
| 101.400 | -.3656 | -.4470 | -.5059 | -.3230 | | .2041 | |
| 115.600 | -.4261 | -.4982 | -.5408 | -.3119 | | .2041 | |
| 133.800 | -.4261 | -.4540 | -.4881 | -.2137 | | .2004 | |
| 149.100 | -.4377 | -.4695 | -.4540 | -.2285 | | .2013 | |
| 180.000 | -.4493 | -.3074 | -.4305 | -.3027 | .1753 | .2013 | .2227 |

BETA ( 1) = -.020 ALPHA (11) = 14.850 Q(PSF) = 60.599 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4227 | -.4212 | -.2902 | -.0506 | .1521 | .1697 | .2234 |
| 44.800 | -.4297 | -.3251 | -.2476 | -.1062 | .1613 | .2003 | |
| 50.100 | -.3886 | -.4103 | -.2685 | -.1617 | .1660 | .1993 | |
| 101.400 | -.3654 | -.4498 | -.5204 | -.3386 | | .2012 | |
| 115.600 | -.4281 | -.5033 | -.5576 | -.3284 | | .2021 | |
| 133.800 | -.4312 | -.4584 | -.4839 | -.2201 | | .1965 | |
| 149.100 | -.4374 | -.4708 | -.4630 | -.2497 | | .1956 | |
| 180.000 | -.4553 | -.3111 | -.4330 | -.3154 | .1660 | .1965 | .2234 |

0A172 TAILCONE PRESSURES GEAR ON (CFG058)

BETA ( 1) = -.020 ALPHA (12) = 16.970 Q(PSF) = 60.599 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4327 | -.4288 | -.2925 | -.0413 | .1521 | .1696 | .2206 |
| 44.800 | -.4397 | -.3211 | -.2460 | -.1043 | .1622 | .1984 | |
| 50.100 | -.3994 | -.3777 | -.2661 | -.1617 | .1659 | .1993 | |
| 101.400 | -.3700 | -.4591 | -.5373 | -.3469 | | .2012 | |
| 115.600 | -.4281 | -.5110 | -.5753 | -.3496 | | .2012 | |
| 133.800 | -.4513 | -.4707 | -.5009 | -.2302 | | .1956 | |
| 149.100 | -.4397 | -.4769 | -.4839 | -.2811 | | .1937 | |
| 180.000 | -.4591 | -.3157 | -.4404 | -.3302 | .1567 | .1956 | .2206 |

BETA ( 1) = -.020 ALPHA (13) = 19.110 Q(PSF) = 60.599 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4387 | -.4371 | -.2993 | -.0413 | .1418 | .1658 | .2224 |
| 44.800 | -.4479 | -.3186 | -.2427 | -.1052 | .1547 | .1992 | |
| 50.100 | -.4092 | -.3388 | -.2505 | -.1468 | .1612 | .1964 | |
| 101.400 | -.3837 | -.4720 | -.5478 | -.3476 | | .1964 | |
| 115.600 | -.4363 | -.5238 | -.5959 | -.3679 | | .2010 | |
| 133.800 | -.4534 | -.4789 | -.5231 | -.2412 | | .1945 | |
| 149.100 | -.4580 | -.4967 | -.5254 | -.3282 | | .1945 | |
| 180.000 | -.4479 | -.3194 | -.4549 | -.3550 | .1510 | .1945 | .2224 |

BETA ( 1) = -.020 ALPHA (14) = 21.250 Q(PSF) = 60.599 PO = 2121.1

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4602 | -.4579 | -.3111 | -.0459 | .1360 | .1637 | .2238 |
| 44.800 | -.4695 | -.3188 | -.2430 | -.1077 | .1424 | .1905 | |
| 50.100 | -.4201 | -.2948 | -.2291 | -.1410 | .1443 | .1905 | |
| 101.400 | -.4038 | -.4888 | -.5631 | -.3460 | | .1933 | |
| 115.600 | -.4502 | -.5430 | -.6288 | -.3987 | | .1970 | |
| 133.800 | -.4564 | -.4881 | -.5545 | -.2657 | | .1942 | |
| 149.100 | -.5298 | -.5538 | -.5916 | -.3820 | | .1923 | |
| 180.000 | -.4471 | -.3288 | -.4780 | -.3950 | .1480 | .1951 | .2238 |

OA172 TAILCONE PRESSURES GEAR ON (CFG059) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 55.000 BDFLAP = -11.700

BETA ( 1) = .000 ALPHA ( 1) = -6.260 Q(PSF) = 60.589 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3490 | -.3474 | -.2529 | -.0710 | .1196 | .1261 | .1613 |
| 44.800 | -.3467 | -.3134 | -.2119 | -.0932 | .1215 | .1474 | |
| 50.100 | -.3211 | -.4482 | -.2583 | -.1302 | .1215 | .1483 | |
| 101.400 | -.3560 | -.4265 | -.4489 | -.2422 | | .1632 | |
| 115.600 | -.4505 | -.5156 | -.5225 | -.2570 | | .1632 | |
| 133.800 | -.4071 | -.4706 | -.6457 | -.3552 | | .1622 | |
| 149.100 | -.3722 | -.4761 | -.6891 | -.5486 | | .1622 | |
| 180.000 | -.2614 | -.3498 | -.6764 | -.6246 | .1437 | .1604 | .1613 |

BETA ( 1) = .000 ALPHA ( 2) = -4.150 Q(PSF) = 60.589 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3476 | -.3461 | -.2531 | -.0766 | .1243 | .1355 | .1660 |
| 44.800 | -.3422 | -.2903 | -.2158 | -.1006 | .1317 | .1614 | |
| 50.100 | -.3298 | -.4585 | -.2693 | -.1414 | .1308 | .1605 | |
| 101.400 | -.3655 | -.4360 | -.4631 | -.2590 | | .1660 | |
| 115.600 | -.4422 | -.5081 | -.5228 | -.2664 | | .1669 | |
| 133.800 | -.4096 | -.4701 | -.6376 | -.3433 | | .1706 | |
| 149.100 | -.3833 | -.4825 | -.6810 | -.5267 | | .1697 | |
| 180.000 | -.2825 | -.3585 | -.6675 | -.6017 | .1410 | .1669 | .1660 |

BETA ( 1) = .000 ALPHA ( 3) = -2.040 Q(PSF) = 60.589 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3470 | -.3462 | -.2516 | -.0701 | .1309 | .1420 | .1763 |
| 44.800 | -.3439 | -.2787 | -.2198 | -.1053 | .1336 | .1670 | |
| 50.100 | -.3338 | -.4625 | -.2725 | -.1526 | .1355 | .1661 | |
| 101.400 | -.3694 | -.4400 | -.4718 | -.2721 | | .1670 | |
| 115.600 | -.4315 | -.4966 | -.5222 | -.2721 | | .1698 | |
| 133.800 | -.4074 | -.4656 | -.6230 | -.3258 | | .1763 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG059)

BETA ( 1) = .000 ALPHA ( 3) = -2.040

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.3850 | -.4811 | -.6641 | -.4954 | | .1753 | |
| 180.000 | -.2950 | -.3679 | -.6547 | -.5602 | .1225 | .1735 | .1763 |

BETA ( 1) = .000 ALPHA ( 4) = .050 Q(PSF) = 60.589 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3524 | -.3516 | -.2539 | -.0682 | .1318 | .1466 | .1790 |
| 44.800 | -.3493 | -.2826 | -.2267 | -.1118 | .1346 | .1735 | |
| 50.100 | -.3376 | -.4671 | -.2795 | -.1664 | .1318 | .1716 | |
| 101.400 | -.3725 | -.4446 | -.4788 | -.2860 | | .1762 | |
| 115.600 | -.4229 | -.4896 | -.5206 | -.2785 | | .1744 | |
| 133.800 | -.4082 | -.4625 | -.6106 | -.3110 | | .1781 | |
| 149.100 | -.3911 | -.4795 | -.6470 | -.4583 | | .1800 | |
| 180.000 | -.3043 | -.3702 | -.6371 | -.5102 | .1179 | .1744 | .1790 |

BETA ( 1) = .000 ALPHA ( 5) = 2.150 Q(PSF) = 60.589 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3563 | -.3548 | -.2540 | -.0729 | .1327 | .1494 | .1846 |
| 44.800 | -.3525 | -.2858 | -.2291 | -.1146 | .1318 | .1726 | |
| 50.100 | -.3439 | -.4704 | -.2881 | -.1739 | .1281 | .1763 | |
| 101.400 | -.3750 | -.4502 | -.4874 | -.2972 | | .1707 | |
| 115.600 | -.4176 | -.4851 | -.5208 | -.2860 | | .1735 | |
| 133.800 | -.4083 | -.4572 | -.5921 | -.2916 | | .1800 | |
| 149.100 | -.3944 | -.4781 | -.6239 | -.4158 | | .1828 | |
| 180.000 | -.2990 | -.3672 | -.6122 | -.4334 | .1188 | .1846 | .1846 |

0A172 TAILCONE PRESSURES GEAR ON (CFG059)

BETA ( 1) = .000 ALPHA ( 6) = 4.250 Q(PSF) = 60.589 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3611 | -.3565 | -.2579 | -.0701 | .1291 | .1532 | .1856 |
| 44.800 | -.3557 | -.2921 | -.2331 | -.1183 | .1272 | .1708 | |
| 50.100 | -.3472 | -.4798 | -.2913 | -.1786 | .1272 | .1736 | |
| 101.400 | -.3751 | -.4503 | -.4938 | -.3056 | | .1662 | |
| 115.600 | -.4147 | -.4837 | -.5264 | -.2945 | | .1717 | |
| 133.800 | -.4077 | -.4550 | -.5830 | -.2750 | | .1828 | |
| 149.100 | -.3933 | -.4752 | -.6001 | -.3733 | | .1810 | |
| 180.000 | -.3014 | -.3642 | -.5874 | -.3380 | .1254 | .1810 | .1856 |

BETA ( 1) = .000 ALPHA ( 7) = 6.350 Q(PSF) = 60.589 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3620 | -.3627 | -.2626 | -.0803 | .1291 | .1514 | .1940 |
| 44.800 | -.3612 | -.2952 | -.2355 | -.1193 | .1291 | .1782 | |
| 50.100 | -.3511 | -.4683 | -.2844 | -.1805 | .1291 | .1782 | |
| 101.400 | -.3744 | -.4489 | -.4939 | -.3121 | | .1801 | |
| 115.600 | -.4147 | -.4846 | -.5272 | -.3010 | | .1866 | |
| 133.800 | -.4062 | -.4551 | -.5699 | -.2667 | | .1931 | |
| 149.100 | -.3984 | -.4737 | -.5886 | -.3566 | | .1940 | |
| 180.000 | -.3146 | -.3565 | -.5949 | -.3937 | .1430 | .1922 | .1940 |

BETA ( 1) = .000 ALPHA ( 8) = 8.470 Q(PSF) = 60.589 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3673 | -.3681 | -.2665 | -.0776 | .1346 | .1588 | .2042 |
| 44.800 | -.3666 | -.3037 | -.2362 | -.1174 | .1356 | .1819 | |
| 50.100 | -.3549 | -.4589 | -.2828 | -.1740 | .1411 | .1829 | |
| 101.400 | -.3712 | -.4511 | -.4985 | -.3186 | | .1884 | |
| 115.600 | -.4147 | -.4876 | -.5326 | -.3112 | | .1931 | |
| 133.800 | -.4054 | -.4511 | -.5582 | -.2648 | | .1986 | |
| 149.100 | -.4007 | -.4729 | -.5761 | -.3436 | | .1996 | |
| 180.000 | -.3177 | -.3371 | -.5986 | -.4243 | .1689 | .2005 | .2042 |

OA172 TAILCONE PRESSURES GEAR ON (CFG059)

BETA ( 1) = .000 ALPHA ( 9) = 10.570 Q(PSF) = 60.589 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3805 | -.3797 | -.2703 | -.0748 | .1300 | .1625 | .2098 |
| 44.800 | -.3836 | -.3130 | -.2416 | -.1146 | .1411 | .1893 | |
| 50.100 | -.3603 | -.4418 | -.2765 | -.1749 | .1467 | .1884 | |
| 101.400 | -.3704 | -.4519 | -.5070 | -.3288 | | .1958 | |
| 115.600 | -.4193 | -.4930 | -.5434 | -.3251 | | .1986 | |
| 133.800 | -.4061 | -.4488 | -.5466 | -.2722 | | .2023 | |
| 149.100 | -.4007 | -.4713 | -.5698 | -.3436 | | .2042 | |
| 180.000 | -.3254 | -.3371 | -.6060 | -.4447 | .1810 | .2023 | .2098 |

BETA ( 1) = .000 ALPHA (10) = 12.680 Q(PSF) = 60.589 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3993 | -.3962 | -.2782 | -.0627 | .1393 | .1607 | .2098 |
| 44.800 | -.4008 | -.3217 | -.2479 | -.1165 | .1467 | .1885 | |
| 50.100 | -.3698 | -.4311 | -.2766 | -.1740 | .1560 | .1922 | |
| 101.400 | -.3675 | -.4544 | -.5180 | -.3437 | | .1978 | |
| 115.600 | -.4233 | -.5010 | -.5561 | -.3382 | | .1996 | |
| 133.800 | -.4179 | -.4590 | -.5421 | -.2788 | | .2015 | |
| 149.100 | -.4016 | -.4691 | -.5669 | -.3549 | | .2015 | |
| 180.000 | -.3287 | -.3380 | -.6127 | -.4643 | .1773 | .2015 | .2098 |

BETA ( 1) = .000 ALPHA (11) = 14.810 Q(PSF) = 60.589 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4120 | -.4105 | -.2833 | -.0506 | .1438 | .1633 | .2133 |
| 44.800 | -.4182 | -.3213 | -.2453 | -.1145 | .1521 | .1910 | |
| 50.100 | -.3810 | -.4097 | -.2748 | -.1683 | .1586 | .1929 | |
| 101.400 | -.3686 | -.4577 | -.5322 | -.3535 | | .1985 | |
| 115.600 | -.4252 | -.5058 | -.5717 | -.3554 | | .1994 | |
| 133.800 | -.4314 | -.4725 | -.5423 | -.2868 | | .2003 | |
| 149.100 | -.4019 | -.4709 | -.5740 | -.3739 | | .1985 | |
| 180.000 | -.3368 | -.3407 | -.6157 | -.4740 | .1707 | .2003 | .2133 |

OA172 TAILCONE PRESSURES GEAR ON (CFG059)

BETA ( 1) = .000 ALPHA (12) = 16.940 Q(PSF) = 60.589 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4169 | -.4184 | -.2858 | -.0479 | .1420 | .1652 | .2125 |
| 44.800 | -.4277 | -.3137 | -.2478 | -.1109 | .1522 | .1921 | |
| 50.100 | -.3905 | -.3781 | -.2633 | -.1619 | .1568 | .1930 | |
| 101.400 | -.3742 | -.4650 | -.5448 | -.3658 | | .1967 | |
| 115.600 | -.4285 | -.5123 | -.5867 | -.3732 | | .1995 | |
| 133.800 | -.4277 | -.4626 | -.5363 | -.2953 | | .1976 | |
| 149.100 | -.4006 | -.4719 | -.5852 | -.3982 | | .1986 | |
| 180.000 | -.3339 | -.3432 | -.6178 | -.4909 | .1670 | .1976 | .2125 |

BETA ( 1) = .000 ALPHA (13) = 19.070 Q(PSF) = 60.589 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4259 | -.4244 | -.2905 | -.0505 | .1352 | .1611 | .2138 |
| 44.800 | -.4344 | -.3105 | -.2425 | -.1106 | .1463 | .1888 | |
| 50.100 | -.3996 | -.3346 | -.2526 | -.1522 | .1509 | .1888 | |
| 101.400 | -.3849 | -.4770 | -.5583 | -.3612 | | .1953 | |
| 115.600 | -.4375 | -.5281 | -.6101 | -.3898 | | .1990 | |
| 133.800 | -.4476 | -.4809 | -.5621 | -.3085 | | .1962 | |
| 149.100 | -.4097 | -.4847 | -.6178 | -.4425 | | .1953 | |
| 180.000 | -.3354 | -.3470 | -.6312 | -.5184 | .1602 | .1953 | .2138 |

BETA ( 1) = .000 ALPHA (14) = 21.200 Q(PSF) = 60.589 PO = 2121.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4452 | -.4398 | -.3023 | -.0551 | .1239 | .1516 | .2162 |
| 44.800 | -.4545 | -.3116 | -.2421 | -.1123 | .1340 | .1829 | |
| 50.100 | -.4105 | -.2954 | -.2375 | -.1446 | .1368 | .1857 | |
| 101.400 | -.4058 | -.4931 | -.5711 | -.3596 | | .1940 | |
| 115.600 | -.4545 | -.5518 | -.6453 | -.4223 | | .1977 | |
| 133.800 | -.4483 | -.4954 | -.5974 | -.3310 | | .1940 | |
| 149.100 | -.4614 | -.5256 | -.6762 | -.4989 | | .1950 | |
| 180.000 | -.3286 | -.3549 | -.6549 | -.5571 | .1562 | .1959 | .2162 |

0A172 TAILCONE PRESSURES GEAR ON (CFG060) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700

BETA ( 1) = .000 ALPHA ( 1) = -6.270 Q(PSF) = 60.509 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3152 | -.3160 | -.2439 | -.0951 | .1003 | .1151 | .1401 |
| 44.800 | -.3144 | -.3129 | -.2097 | -.1137 | .1040 | .1374 | |
| 50.100 | -.1337 | -.4641 | -.2749 | -.1526 | .1068 | .1337 | |
| 101.400 | -.3711 | -.4424 | -.4758 | -.2805 | | .1411 | |
| 115.600 | -.4773 | -.5510 | -.5649 | -.3120 | | .1494 | |
| 133.800 | -.4044 | -.4835 | -.7108 | -.4667 | | .1401 | |
| 149.100 | -.3059 | -.4416 | -.7658 | -.7410 | | .1374 | |
| 180.000 | -.1492 | -.2927 | -.6965 | -.7929 | .1133 | .1383 | .1401 |

BETA ( 1) = .000 ALPHA ( 2) = -4.170 Q(PSF) = 60.509 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3164 | -.3149 | -.2458 | -.0915 | .1069 | .1227 | .1515 |
| 44.800 | -.3141 | -.2869 | -.2162 | -.1203 | .1088 | .1450 | |
| 50.100 | -.1751 | -.4772 | -.2869 | -.1602 | .1079 | .1459 | |
| 101.400 | -.3786 | -.4516 | -.4904 | -.2957 | | .1533 | |
| 115.600 | -.4640 | -.5401 | -.5642 | -.3161 | | .1561 | |
| 133.800 | -.4019 | -.4795 | -.7024 | -.4516 | | .1561 | |
| 149.100 | -.3157 | -.4492 | -.7568 | -.7216 | | .1496 | |
| 180.000 | -.1696 | -.3063 | -.7077 | -.7810 | .1162 | .1505 | .1515 |

BETA ( 1) = .000 ALPHA ( 3) = -2.050 Q(PSF) = 60.509 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3172 | -.3148 | -.2442 | -.0841 | .1116 | .1283 | .1635 |
| 44.800 | -.3117 | -.2675 | -.2178 | -.1212 | .1134 | .1496 | |
| 50.100 | -.2061 | -.4795 | -.2861 | -.1695 | .1116 | .1524 | |
| 101.400 | -.3816 | -.4546 | -.4973 | -.3049 | | .1496 | |
| 115.600 | -.4476 | -.5253 | -.5587 | -.3179 | | .1552 | |
| 133.800 | -.3956 | -.4725 | -.6860 | -.4293 | | .1570 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG060)

BETA ( 1) = .000 ALPHA ( 3) = -2.050

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.3195 | -.4453 | -.7458 | -.6918 | | .1607 | |
| 180.000 | -.1867 | -.3210 | -.7104 | -.7651 | .1097 | .1570 | .1635 |

BETA ( 1) = .000 ALPHA ( 4) = .050 Q(PSF) = 60.509 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3226 | -.3234 | -.2473 | -.0813 | .1162 | .1394 | .1710 |
| 44.800 | -.3156 | -.2714 | -.2232 | -.1249 | .1125 | .1607 | |
| 50.100 | -.2318 | -.4818 | -.2947 | -.1825 | .1106 | .1607 | |
| 101.400 | -.3840 | -.4585 | -.5051 | -.3170 | | .1542 | |
| 115.600 | -.4344 | -.5121 | -.5548 | -.3217 | | .1645 | |
| 133.800 | -.3933 | -.4671 | -.6705 | -.4098 | | .1654 | |
| 149.100 | -.3257 | -.4508 | -.7373 | -.6640 | | .1691 | |
| 180.000 | -.2015 | -.3343 | -.7086 | -.7318 | .0995 | .1617 | .1710 |

BETA ( 1) = .000 ALPHA ( 5) = 2.150 Q(PSF) = 60.509 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3288 | -.3265 | -.2512 | -.0823 | .1171 | .1403 | .1756 |
| 44.800 | -.3218 | -.2768 | -.2279 | -.1286 | .1171 | .1617 | |
| 50.100 | -.2527 | -.4864 | -.3016 | -.1917 | .1162 | .1663 | |
| 101.400 | -.3870 | -.4616 | -.5144 | -.3281 | | .1709 | |
| 115.600 | -.4251 | -.5012 | -.5509 | -.3263 | | .1756 | |
| 133.800 | -.3909 | -.4624 | -.6526 | -.3866 | | .1728 | |
| 149.100 | -.3296 | -.4484 | -.7225 | -.6241 | | .1682 | |
| 180.000 | -.2007 | -.3412 | -.7057 | -.6937 | .1023 | .1728 | .1756 |

OA172 TAILCONE PRESSURES GEAR ON (CFG060)

BETA ( 1) = .000 ALPHA ( 6) = 4.250 Q(PSF) = 60.509 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3327 | -.3342 | -.2542 | -.0860 | .1134 | .1394 | .1709 |
| 44.800 | -.3288 | -.2845 | -.2302 | -.1296 | .1153 | .1626 | |
| 50.100 | -.2698 | -.4879 | -.3047 | -.1889 | .1106 | .1607 | |
| 101.400 | -.3855 | -.4615 | -.5143 | -.3355 | | .1765 | |
| 115.600 | -.4188 | -.4973 | -.5516 | -.3327 | | .1728 | |
| 133.800 | -.3886 | -.4577 | -.6370 | -.3671 | | .1663 | |
| 149.100 | -.3350 | -.4460 | -.6945 | -.5711 | | .1644 | |
| 180.000 | -.2084 | -.3466 | -.6973 | -.6361 | .1199 | .1626 | .1709 |

BETA ( 1) = .000 ALPHA ( 7) = 6.360 Q(PSF) = 60.509 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3420 | -.3397 | -.2613 | -.0841 | .1162 | .1413 | .1774 |
| 44.800 | -.3366 | -.2892 | -.2341 | -.1324 | .1153 | .1672 | |
| 50.100 | -.2853 | -.4834 | -.3001 | -.1945 | .1181 | .1691 | |
| 101.400 | -.3863 | -.4616 | -.5168 | -.3402 | | .1821 | |
| 115.600 | -.4174 | -.4943 | -.5517 | -.3384 | | .1774 | |
| 133.800 | -.3886 | -.4531 | -.6255 | -.3532 | | .1774 | |
| 149.100 | -.3405 | -.4492 | -.6868 | -.5462 | | .1728 | |
| 180.000 | -.2162 | -.3413 | -.7021 | -.6288 | .1515 | .1747 | .1774 |

BETA ( 1) = .000 ALPHA ( 8) = 8.460 Q(PSF) = 60.509 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3484 | -.3476 | -.2660 | -.0934 | .1144 | .1506 | .1961 |
| 44.800 | -.3437 | -.2956 | -.2389 | -.1324 | .1163 | .1785 | |
| 50.100 | -.3002 | -.4750 | -.2940 | -.1900 | .1153 | .1785 | |
| 101.400 | -.3849 | -.4626 | -.5217 | -.3478 | | .1887 | |
| 115.600 | -.4168 | -.4929 | -.5520 | -.3469 | | .1850 | |
| 133.800 | -.3888 | -.4486 | -.6133 | -.3422 | | .1868 | |
| 149.100 | -.3437 | -.4502 | -.6763 | -.5205 | | .1887 | |
| 180.000 | -.2179 | -.3321 | -.6996 | -.6263 | .1710 | .1915 | .1961 |

OA172 TAILCONE PRESSURES GEAR ON (CFG060)

BETA ( 1) = .000 ALPHA ( 9) = 10.580 Q(PSF) = 60.509 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3652 | -.3629 | -.2734 | -.0880 | .1155 | .1545 | .2020 |
| 44.800 | -.3629 | -.3123 | -.2423 | -.1317 | .1183 | .1787 | |
| 50.100 | -.3139 | -.4625 | -.2944 | -.1865 | .1220 | .1796 | |
| 101.400 | -.3831 | -.4663 | -.5309 | -.3585 | | .1926 | |
| 115.600 | -.4204 | -.5006 | -.5636 | -.3576 | | .1926 | |
| 133.800 | -.3893 | -.4469 | -.5986 | -.3464 | | .1982 | |
| 149.100 | -.3496 | -.4547 | -.6877 | -.5026 | | .2001 | |
| 180.000 | -.2267 | -.3255 | -.7071 | -.6225 | .1731 | .1982 | .2020 |

BETA ( 1) = .000 ALPHA (10) = 12.680 Q(PSF) = 60.509 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3802 | -.3771 | -.2823 | -.0749 | .1134 | .1543 | .2026 |
| 44.800 | -.3794 | -.3165 | -.2450 | -.1296 | .1246 | .1775 | |
| 50.100 | -.3266 | -.4563 | -.2932 | -.1918 | .1311 | .1775 | |
| 101.400 | -.3794 | -.4664 | -.5394 | -.3663 | | .1914 | |
| 115.600 | -.4221 | -.5068 | -.5697 | -.3654 | | .1942 | |
| 133.800 | -.3973 | -.4532 | -.5985 | -.3533 | | .1961 | |
| 149.100 | -.3491 | -.4524 | -.6575 | -.5083 | | .1970 | |
| 180.000 | -.2310 | -.3328 | -.7069 | -.6354 | .1664 | .1979 | .2026 |

BETA ( 1) = .000 ALPHA (11) = 14.810 Q(PSF) = 60.509 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3951 | -.3936 | -.2834 | -.0618 | .1244 | .1531 | .1995 |
| 44.800 | -.3951 | -.3145 | -.2462 | -.1229 | .1309 | .1772 | |
| 50.100 | -.3424 | -.4223 | -.2865 | -.1841 | .1364 | .1772 | |
| 101.400 | -.3773 | -.4649 | -.5464 | -.3759 | | .1902 | |
| 115.600 | -.4230 | -.5091 | -.5821 | -.3778 | | .1911 | |
| 133.800 | -.4277 | -.4789 | -.6139 | -.3694 | | .1930 | |
| 149.100 | -.3463 | -.4517 | -.6581 | -.5205 | | .1939 | |
| 180.000 | -.2369 | -.3339 | -.7095 | -.6521 | .1624 | .1948 | .1995 |

OA172 TAILCONE PRESSURES GEAR ON (CFG060)

BETA ( 1) = .000 ALPHA (12) = 16.920 Q(PSF) = 60.509 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4032 | -.4001 | -.2876 | -.0563 | .1199 | .1486 | .1959 |
| 44.800 | -.4063 | -.3101 | -.2425 | -.1240 | .1319 | .1746 | |
| 50.100 | -.3543 | -.3955 | -.2829 | -.1778 | .1394 | .1765 | |
| 101.400 | -.3831 | -.4723 | -.5639 | -.3855 | | .1876 | |
| 115.600 | -.4289 | -.5220 | -.6004 | -.3976 | | .1913 | |
| 133.800 | -.4157 | -.4809 | -.6121 | -.3725 | | .1904 | |
| 149.100 | -.3504 | -.4545 | -.6664 | -.5432 | | .1913 | |
| 180.000 | -.2402 | -.3404 | -.7139 | -.6703 | .1607 | .1932 | .1959 |

BETA ( 1) = .000 ALPHA (13) = 19.050 Q(PSF) = 60.509 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4098 | -.4082 | -.2950 | -.0543 | .1142 | .1438 | .1995 |
| 44.800 | -.4137 | -.3082 | -.2407 | -.1229 | .1244 | .1726 | |
| 50.100 | -.3671 | -.3524 | -.2702 | -.1655 | .1318 | .1726 | |
| 101.400 | -.3927 | -.4881 | -.5742 | -.3814 | | .1874 | |
| 115.600 | -.4393 | -.5377 | -.6262 | -.4157 | | .1892 | |
| 133.800 | -.4207 | -.4703 | -.6006 | -.3898 | | .1911 | |
| 149.100 | -.3540 | -.4641 | -.6944 | -.5806 | | .1902 | |
| 180.000 | -.2415 | -.3447 | -.7224 | -.6890 | .1577 | .1902 | .1995 |

BETA ( 1) = .000 ALPHA (14) = 21.190 Q(PSF) = 60.509 PO = 2131.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4260 | -.4213 | -.3060 | -.0653 | .1066 | .1398 | .1991 |
| 44.800 | -.4322 | -.3060 | -.2387 | -.1208 | .1149 | .1657 | |
| 50.100 | -.3780 | -.3029 | -.2387 | -.1504 | .1204 | .1657 | |
| 101.400 | -.4113 | -.5026 | -.5846 | -.3797 | | .1861 | |
| 115.600 | -.4600 | -.5653 | -.6644 | -.4491 | | .1879 | |
| 133.800 | -.4422 | -.4933 | -.6295 | -.4112 | | .1898 | |
| 149.100 | -.3857 | -.4918 | -.7425 | -.6386 | | .1879 | |
| 180.000 | -.2341 | -.3486 | -.7404 | -.7172 | .1556 | .1879 | .1991 |

OA172 TAILCONE PRESSURES GEAR ON (CFG061) ( 11 OCT 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

BETA ( 1) = .000 ALPHA ( 1) = -6.230 Q(PSF) = 60.591 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1547 | -.1609 | -.1942 | -.1915 | .1077 | .1123 | .1337 |
| 44.800 | -.1523 | -.1601 | -.1748 | -.2035 | .1086 | .1392 | |
| 50.100 | -1.7646 | -.2632 | -.2733 | -.1915 | .1105 | .1309 | |
| 101.400 | -.3563 | -.4245 | -.4463 | -.2397 | | .1448 | |
| 115.600 | -.4346 | -.4951 | -.4967 | -.2285 | | .1485 | |
| 133.800 | -.4067 | -.4478 | -.5649 | -.2647 | | .1383 | |
| 149.100 | -.4183 | -.4633 | -.5052 | -.3416 | | .1327 | |
| 180.000 | -.4432 | -.2943 | -.4120 | -.3722 | .1299 | .1309 | .1337 |

BETA ( 1) = .000 ALPHA ( 2) = -4.130 Q(PSF) = 60.591 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1611 | -.1650 | -.1929 | -.2075 | .1162 | .1181 | .1375 |
| 44.800 | -.1735 | -.1696 | -.1797 | -.2242 | .1153 | .1477 | |
| 50.100 | -1.7382 | -.2690 | -.2737 | -.2084 | .1153 | .1459 | |
| 101.400 | -.3622 | -.4298 | -.4562 | -.2530 | | .1385 | |
| 115.600 | -.4274 | -.4880 | -.4965 | -.2353 | | .1496 | |
| 133.800 | -.4119 | -.4500 | -.5579 | -.2530 | | .1450 | |
| 149.100 | -.4305 | -.4701 | -.4965 | -.3216 | | .1403 | |
| 180.000 | -.4694 | -.3078 | -.4070 | -.3578 | .1329 | .1440 | .1375 |

BETA ( 1) = .000 ALPHA ( 3) = -2.030 Q(PSF) = 60.591 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1796 | -.1874 | -.2153 | -.2259 | .1226 | .1291 | .1541 |
| 44.800 | -.1866 | -.1835 | -.1967 | -.2417 | .1273 | .1560 | |
| 50.100 | -1.6767 | -.2743 | -.2805 | -.2259 | .1226 | .1504 | |
| 101.400 | -.3659 | -.4349 | -.4568 | -.2658 | | .1532 | |
| 115.600 | -.4210 | -.4838 | -.4994 | -.2417 | | .1643 | |
| 133.800 | -.4163 | -.4512 | -.5498 | -.2380 | | .1597 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG061)

BETA ( 1) = .000 ALPHA ( 3) = -2.030

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4380 | -.4737 | -.4854 | -.2983 | | .1606 | |
| 180.000 | -.4893 | -.3193 | -.3984 | -.3381 | .1449 | .1597 | .1541 |

BETA ( 1) = .000 ALPHA ( 4) = .070 Q(PSF) = 60.591 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1977 | -.2070 | -.2302 | -.2447 | .1297 | .1371 | .1731 |
| 44.800 | -.1977 | -.1961 | -.2132 | -.2669 | .1288 | .1639 | |
| 50.100 | -1.5606 | -.2790 | -.2968 | -.2447 | .1278 | .1630 | |
| 101.400 | -.3695 | -.4384 | -.4709 | -.2753 | | .1639 | |
| 115.600 | -.4152 | -.4771 | -.4988 | -.2494 | | .1676 | |
| 133.800 | -.4167 | -.4492 | -.5382 | -.2253 | | .1704 | |
| 149.100 | -.4423 | -.4725 | -.4701 | -.2734 | | .1741 | |
| 180.000 | -.4903 | -.3215 | -.3853 | -.3132 | .1482 | .1713 | .1731 |

BETA ( 1) = .000 ALPHA ( 5) = 2.170 Q(PSF) = 60.591 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2095 | -.2134 | -.2397 | -.2616 | .1354 | .1409 | .1789 |
| 44.800 | -.2111 | -.2064 | -.2250 | -.2783 | .1326 | .1659 | |
| 50.100 | -1.5661 | -.2847 | -.3095 | -.2542 | .1344 | .1668 | |
| 101.400 | -.3722 | -.4427 | -.4822 | -.2903 | | .1678 | |
| 115.600 | -.4148 | -.4807 | -.5062 | -.2589 | | .1742 | |
| 133.800 | -.4187 | -.4481 | -.5241 | -.2126 | | .1770 | |
| 149.100 | -.4435 | -.4698 | -.4520 | -.2496 | | .1780 | |
| 180.000 | -.4915 | -.3110 | -.3727 | -.2931 | .1502 | .1761 | .1789 |

0A172 TAILCONE PRESSURES GEAR ON (CFG061)

BETA ( 1) = .000 ALPHA ( 6) = 4.290 Q(PSF) = 60.591 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2152 | -.2198 | -.2516 | -.2703 | .1392 | .1429 | .1800 |
| 44.800 | -.2214 | -.2152 | -.2353 | -.2851 | .1364 | .1670 | |
| 50.100 | -1.6345 | -.2943 | -.3067 | -.2666 | .1309 | .1680 | |
| 101.400 | -.3726 | -.4463 | -.4666 | -.2999 | | .1689 | |
| 115.600 | -.4168 | -.4820 | -.5130 | -.2675 | | .1744 | |
| 133.800 | -.4223 | -.4502 | -.5200 | -.2045 | | .1744 | |
| 149.100 | -.4471 | -.4680 | -.4370 | -.2276 | | .1754 | |
| 180.000 | -.4851 | -.3059 | -.3657 | -.2768 | .1513 | .1772 | .1800 |

BETA ( 1) = .000 ALPHA ( 7) = 6.370 Q(PSF) = 60.591 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2185 | -.2278 | -.2596 | -.2742 | .1468 | .1514 | .1941 |
| 44.800 | -.2263 | -.2270 | -.2472 | -.2900 | .1421 | .1746 | |
| 50.100 | -1.5763 | -.2930 | -.3109 | -.2724 | .1375 | .1774 | |
| 101.400 | -.3745 | -.4467 | -.4925 | -.3058 | | .1783 | |
| 115.600 | -.4188 | -.4856 | -.5197 | -.2789 | | .1839 | |
| 133.800 | -.4258 | -.4530 | -.5120 | -.1982 | | .1857 | |
| 149.100 | -.4506 | -.4677 | -.4266 | -.2112 | | .1830 | |
| 180.000 | -.5096 | -.3016 | -.3633 | -.2752 | .1616 | .1830 | .1941 |

BETA ( 1) = .000 ALPHA ( 8) = 10.580 Q(PSF) = 60.591 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2333 | -.2364 | -.2815 | -.2818 | .1552 | .1654 | .2128 |
| 44.800 | -.2395 | -.2395 | -.2582 | -.2985 | .1496 | .1895 | |
| 50.100 | -1.2368 | -.2900 | -.3048 | -.2827 | .1468 | .1895 | |
| 101.400 | -.3724 | -.4524 | -.5098 | -.3291 | | .1923 | |
| 115.600 | -.4306 | -.5021 | -.5401 | -.3031 | | .1905 | |
| 133.800 | -.4298 | -.4500 | -.4834 | -.1983 | | .1877 | |
| 149.100 | -.4531 | -.4625 | -.4050 | -.1964 | | .1840 | |
| 180.000 | -.5393 | -.2861 | -.3672 | -.2864 | .1626 | .1849 | .2128 |

OA172 TAILCONE PRESSURES GEAR ON (CFG061)

BETA ( 1) = .000 ALPHA ( 9) = 12.700 Q(PSF) = 60.591 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2301 | -.2410 | -.2868 | -.2835 | .1533 | .1653 | .2089 |
| 44.800 | -.2425 | -.2410 | -.2681 | -.2965 | .1533 | .1885 | |
| 50.100 | -1.2190 | -.2821 | -.3046 | -.2807 | .1542 | .1885 | |
| 101.400 | -.3698 | -.4537 | -.5220 | -.3410 | | .1931 | |
| 115.600 | -.4343 | -.5098 | -.5507 | -.3141 | | .1922 | |
| 133.800 | -.4374 | -.4568 | -.4770 | -.2028 | | .1839 | |
| 149.100 | -.4537 | -.4607 | -.4055 | -.2084 | | .1820 | |
| 180.000 | -.5422 | -.2883 | -.3697 | -.2918 | .1560 | .1829 | .2089 |

BETA ( 1) = .000 ALPHA (10) = 14.820 Q(PSF) = 60.591 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2203 | -.2357 | -.2892 | -.2837 | .1483 | .1594 | .2066 |
| 44.800 | -.2350 | -.2326 | -.2628 | -.2920 | .1520 | .1880 | |
| 50.100 | -1.0914 | -.2706 | -.2938 | -.2735 | .1538 | .1843 | |
| 101.400 | -.3697 | -.4557 | -.5346 | -.3522 | | .1890 | |
| 115.600 | -.4340 | -.5145 | -.5633 | -.3309 | | .1890 | |
| 133.800 | -.4433 | -.4595 | -.4735 | -.2079 | | .1769 | |
| 149.100 | -.4526 | -.4626 | -.4169 | -.2310 | | .1760 | |
| 180.000 | -.5346 | -.2884 | -.3725 | -.2995 | .1455 | .1751 | .2066 |

BETA ( 1) = .000 ALPHA (11) = 16.950 Q(PSF) = 60.591 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2180 | -.2319 | -.2885 | -.2838 | .1511 | .1612 | .2085 |
| 44.800 | -.2350 | -.2312 | -.2621 | -.2838 | .1520 | .1881 | |
| 50.100 | -1.0204 | -.2513 | -.2931 | -.2699 | .1538 | .1890 | |
| 101.400 | -.3775 | -.4682 | -.5503 | -.3643 | | .1862 | |
| 115.600 | -.4356 | -.5201 | -.5805 | -.3523 | | .1890 | |
| 133.800 | -.4627 | -.4720 | -.4899 | -.2135 | | .1798 | |
| 149.100 | -.4542 | -.4682 | -.4387 | -.2644 | | .1761 | |
| 180.000 | -.5340 | -.2954 | -.3773 | -.3134 | .1353 | .1751 | .2085 |

0A172 TAILCONE PRESSURES GEAR ON (CFG061)

BETA ( 1) = .000 ALPHA (12) = 19.080 Q(PSF) = 60.591 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2216 | -.2324 | -.3067 | -.2807 | .1472 | .1611 | .2119 |
| 44.800 | -.2433 | -.2433 | -.2742 | -.2844 | .1472 | .1869 | |
| 50.100 | -.9403 | -.2363 | -.2843 | -.2548 | .1518 | .1860 | |
| 101.400 | -.3910 | -.4808 | -.5628 | -.3630 | | .1851 | |
| 115.600 | -.4429 | -.5326 | -.6022 | -.3713 | | .1897 | |
| 133.800 | -.4614 | -.4809 | -.5117 | -.2280 | | .1805 | |
| 149.100 | -.4792 | -.4978 | -.4877 | -.3121 | | .1814 | |
| 180.000 | -.5303 | -.3013 | -.3925 | -.3389 | .1287 | .1768 | .2119 |

BETA ( 1) = .000 ALPHA (13) = 21.210 Q(PSF) = 60.591 PO = 2129.7

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2393 | -.2470 | -.3313 | -.2861 | .1388 | .1554 | .2100 |
| 44.800 | -.2547 | -.2501 | -.2856 | -.2916 | .1388 | .1813 | |
| 50.100 | -.8679 | -.2315 | -.2787 | -.2454 | .1369 | .1822 | |
| 101.400 | -.4101 | -.4998 | -.5771 | -.3618 | | .1794 | |
| 115.600 | -.4581 | -.5532 | -.6367 | -.4043 | | .1859 | |
| 133.800 | -.4681 | -.4929 | -.5462 | -.2537 | | .1831 | |
| 149.100 | -.5601 | -.5710 | -.5586 | -.3637 | | .1785 | |
| 180.000 | -.5238 | -.3135 | -.4173 | -.3785 | .1268 | .1794 | .2100 |

OA172 TAILCONE PRESSURES GEAR ON (CFG062) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300

BETA ( 1) = .000 ALPHA ( 1) = -6.210 Q(PSF) = 60.629 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1747 | -.1770 | -.2398 | -.2636 | .0633 | .0957 | .1189 |
| 44.800 | -.1794 | -.1801 | -.1972 | -.2710 | .0735 | .1179 | |
| 50.100 | -1.3353 | -.2026 | -.2732 | -.2349 | .0698 | .1050 | |
| 101.400 | -.3639 | -.4352 | -.4685 | -.2868 | | .1198 | |
| 115.600 | -.4422 | -.5050 | -.5151 | -.2581 | | .1253 | |
| 133.800 | -.4158 | -.4561 | -.5802 | -.2866 | | .1179 | |
| 149.100 | -.4275 | -.4724 | -.5174 | -.3664 | | .1105 | |
| 180.000 | -.4631 | -.3034 | -.4294 | -.3961 | .0938 | .1151 | .1189 |

BETA ( 1) = .000 ALPHA ( 2) = -4.100 Q(PSF) = 60.629 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1815 | -.1838 | -.2442 | -.2661 | .0567 | .0808 | .0965 |
| 44.800 | -.1877 | -.1776 | -.2016 | -.2606 | .0540 | .1058 | |
| 50.100 | -1.2278 | -.1993 | -.2613 | -.2430 | .0465 | .0974 | |
| 101.400 | -.3674 | -.4394 | -.4796 | -.2994 | | .1095 | |
| 115.600 | -.4332 | -.4975 | -.5160 | -.2652 | | .1215 | |
| 133.800 | -.4208 | -.4595 | -.5734 | -.2744 | | .1104 | |
| 149.100 | -.4386 | -.4804 | -.5106 | -.3438 | | .1076 | |
| 180.000 | -.4796 | -.3201 | -.4216 | -.3790 | .0928 | .1150 | .0965 |

BETA ( 1) = .000 ALPHA ( 3) = -1.990 Q(PSF) = 60.629 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1648 | -.1897 | -.2060 | -.2565 | .0532 | .0671 | .1014 |
| 44.800 | -.1687 | -.1742 | -.2029 | -.2621 | .0457 | .0903 | |
| 50.100 | -1.0645 | -.1920 | -.2782 | -.2538 | .0467 | .0828 | |
| 101.400 | -.3713 | -.4459 | -.4862 | -.3094 | | .1023 | |
| 115.600 | -.4280 | -.4917 | -.5196 | -.2751 | | .1125 | |
| 133.800 | -.4257 | -.4614 | -.5677 | -.2621 | | .1125 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG062)

BETA ( 1) = .000 ALPHA ( 3) = -1.990

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4474 | -.4854 | -.5041 | -.3233 | | .1069 | |
| 180.000 | -.5033 | -.3294 | -.4161 | -.3613 | .1023 | .1051 | .1014 |

BETA ( 1) = .000 ALPHA ( 4) = .090 Q(PSF) = 60.629 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1763 | -.1693 | -.2329 | -.2581 | .0494 | .0725 | .1068 |
| 44.800 | -.1771 | -.1872 | -.2151 | -.2720 | .0475 | .0911 | |
| 50.100 | -.9525 | -.1996 | -.2624 | -.2739 | .0522 | .0985 | |
| 101.400 | -.3756 | -.4492 | -.4934 | -.3193 | | .1050 | |
| 115.600 | -.4237 | -.4919 | -.5214 | -.2813 | | .1142 | |
| 133.800 | -.4283 | -.4624 | -.5578 | -.2507 | | .1105 | |
| 149.100 | -.4523 | -.4872 | -.4896 | -.3017 | | .1124 | |
| 180.000 | -.5105 | -.3322 | -.4036 | -.3443 | .1022 | .1152 | .1068 |

BETA ( 1) = .000 ALPHA ( 5) = 2.200 Q(PSF) = 60.629 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1908 | -.1877 | -.2302 | -.3095 | .0576 | .0734 | .0965 |
| 44.800 | -.2101 | -.2016 | -.2140 | -.2975 | .0512 | .0974 | |
| 50.100 | -.9620 | -.2055 | -.2937 | -.3086 | .0539 | .0993 | |
| 101.400 | -.3805 | -.4540 | -.5059 | -.3345 | | .1132 | |
| 115.600 | -.4246 | -.4935 | -.5260 | -.2929 | | .1159 | |
| 133.800 | -.4300 | -.4602 | -.5431 | -.2392 | | .1252 | |
| 149.100 | -.4548 | -.4827 | -.4687 | -.2753 | | .1215 | |
| 180.000 | -.5082 | -.3201 | -.3956 | -.3243 | .1113 | .1206 | .0965 |

0A172 TAILCONE PRESSURES GEAR ON (CFG062)

BETA ( 1) = .000 ALPHA ( 6) = 4.290 Q(PSF) = 60.629 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2102 | -.1939 | -.2691 | -.3004 | .0669 | .0827 | .1113 |
| 44.800 | -.2141 | -.2055 | -.2435 | -.3106 | .0614 | .1113 | |
| 50.100 | -1.0228 | -.2172 | -.2969 | -.2967 | .0678 | .1039 | |
| 101.400 | -.3829 | -.4596 | -.5131 | -.3421 | | .1123 | |
| 115.600 | -.4271 | -.4976 | -.5332 | -.3032 | | .1252 | |
| 133.800 | -.4348 | -.4643 | -.5378 | -.2328 | | .1234 | |
| 149.100 | -.4596 | -.4805 | -.4557 | -.2523 | | .1169 | |
| 180.000 | -.4991 | -.3186 | -.3856 | -.3050 | .1178 | .1252 | .1113 |

BETA ( 1) = .000 ALPHA ( 7) = 6.390 Q(PSF) = 60.629 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2113 | -.2012 | -.2563 | -.3241 | .0800 | .0791 | .1171 |
| 44.800 | -.2198 | -.2066 | -.2509 | -.3482 | .0689 | .1106 | |
| 50.100 | -.9879 | -.2175 | -.2997 | -.3203 | .0772 | .1106 | |
| 101.400 | -.3851 | -.4619 | -.5201 | -.3509 | | .1199 | |
| 115.600 | -.4324 | -.5046 | -.5441 | -.3129 | | .1291 | |
| 133.800 | -.4386 | -.4642 | -.5286 | -.2239 | | .1236 | |
| 149.100 | -.4619 | -.4805 | -.4433 | -.2360 | | .1180 | |
| 180.000 | -.5255 | -.3098 | -.3834 | -.3046 | .1245 | .1180 | .1171 |

BETA ( 1) = .000 ALPHA ( 8) = 8.510 Q(PSF) = 60.629 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2257 | -.2250 | -.2807 | -.3162 | .0827 | .0873 | .1234 |
| 44.800 | -.2133 | -.2250 | -.2637 | -.3393 | .0938 | .1178 | |
| 50.100 | -.9439 | -.2621 | -.3156 | -.3616 | .0873 | .1188 | |
| 101.400 | -.3877 | -.4659 | -.5279 | -.3625 | | .1234 | |
| 115.600 | -.4372 | -.5116 | -.5519 | -.3227 | | .1253 | |
| 133.800 | -.4396 | -.4644 | -.5139 | -.2227 | | .1141 | |
| 149.100 | -.4644 | -.4768 | -.4318 | -.2246 | | .1160 | |
| 180.000 | -.5473 | -.2993 | -.3819 | -.3107 | .1271 | .1197 | .1234 |

OA172 TAILCONE PRESSURES GEAR ON (CFG062)

BETA ( 1) = .000 ALPHA ( 9) = 10.630 Q(PSF) = 60.629 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2431 | -.2415 | -.3160 | -.3620 | .0818 | .0855 | .1263 |
| 44.800 | -.2469 | -.2392 | -.2749 | -.3666 | .0957 | .1152 | |
| 50.100 | -.9039 | -.2601 | -.3144 | -.3777 | .0846 | .1217 | |
| 101.400 | -.3858 | -.4703 | -.5425 | -.3759 | | .1189 | |
| 115.600 | -.4447 | -.5192 | -.5642 | -.3342 | | .1152 | |
| 133.800 | -.4409 | -.4641 | -.5052 | -.2248 | | .1124 | |
| 149.100 | -.4626 | -.4742 | -.4215 | -.2211 | | .1096 | |
| 180.000 | -.5456 | -.2981 | -.3861 | -.3092 | .1263 | .1124 | .1263 |

BETA ( 1) = .000 ALPHA (10) = 12.720 Q(PSF) = 60.629 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2273 | -.2575 | -.3273 | -.3894 | .0836 | .0790 | .1077 |
| 44.800 | -.2676 | -.2521 | -.2963 | -.3894 | .0873 | .1095 | |
| 50.100 | -.9182 | -.2637 | -.3381 | -.3875 | .0864 | .1105 | |
| 101.400 | -.3854 | -.4729 | -.5543 | -.3894 | | .1151 | |
| 115.600 | -.4489 | -.5287 | -.5776 | -.3477 | | .1142 | |
| 133.800 | -.4505 | -.4706 | -.4954 | -.2292 | | .0947 | |
| 149.100 | -.4644 | -.4745 | -.4241 | -.2329 | | .0993 | |
| 180.000 | -.5512 | -.2978 | -.3829 | -.3153 | .1086 | .0929 | .1077 |

BETA ( 1) = .000 ALPHA (11) = 14.840 Q(PSF) = 60.629 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2602 | -.2501 | -.3332 | -.3798 | .0772 | .0791 | .1115 |
| 44.800 | -.2517 | -.2540 | -.3021 | -.3862 | .0819 | .0939 | |
| 50.100 | -.9136 | -.2796 | -.3293 | -.3844 | .0763 | .1078 | |
| 101.400 | -.3875 | -.4798 | -.5675 | -.4048 | | .1134 | |
| 115.600 | -.4503 | -.5334 | -.5924 | -.3621 | | .1060 | |
| 133.800 | -.4558 | -.4752 | -.4961 | -.2323 | | .0856 | |
| 149.100 | -.4651 | -.4736 | -.4348 | -.2546 | | .0828 | |
| 180.000 | -.5559 | -.2998 | -.3872 | -.3232 | .0958 | .0819 | .1115 |

OA172 TAILCONE PRESSURES GEAR ON (CFG062)

BETA ( 1) = .000 ALPHA (12) = 16.970 Q(PSF) = 60.629 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2386 | -.2781 | -.3222 | -.3769 | .0733 | .0715 | .1159 |
| 44.800 | -.2526 | -.2588 | -.3129 | -.4074 | .0798 | .1011 | |
| 50.100 | -.8995 | -.2804 | -.3330 | -.4139 | .0807 | .1020 | |
| 101.400 | -.3973 | -.4932 | -.5900 | -.4148 | | .1048 | |
| 115.600 | -.4515 | -.5420 | -.6086 | -.3861 | | .0946 | |
| 133.800 | -.4747 | -.4863 | -.5110 | -.2400 | | .0835 | |
| 149.100 | -.4662 | -.4785 | -.4569 | -.2881 | | .0743 | |
| 180.000 | -.5497 | -.3013 | -.3926 | -.3353 | .0798 | .0844 | .1159 |

BETA ( 1) = .000 ALPHA (13) = 19.110 Q(PSF) = 60.629 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2498 | -.2644 | -.3533 | -.3937 | .0916 | .0861 | .1138 |
| 44.800 | -.2729 | -.2567 | -.2938 | -.4214 | .0870 | .1138 | |
| 50.100 | -.8484 | -.2791 | -.3409 | -.4103 | .0843 | .1120 | |
| 101.400 | -.4135 | -.5116 | -.6059 | -.4242 | | .1101 | |
| 115.600 | -.4606 | -.5549 | -.6321 | -.4112 | | .1175 | |
| 133.800 | -.4761 | -.4962 | -.5325 | -.2571 | | .0944 | |
| 149.100 | -.4908 | -.5132 | -.5093 | -.3411 | | .0944 | |
| 180.000 | -.5456 | -.3108 | -.4075 | -.3614 | .0686 | .0833 | .1138 |

BETA ( 1) = .000 ALPHA (14) = 21.230 Q(PSF) = 60.629 PO = 2129.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2476 | -.2832 | -.3682 | -.4096 | .0926 | .0843 | .1203 |
| 44.800 | -.2793 | -.2569 | -.3087 | -.4170 | .0852 | .1093 | |
| 50.100 | -.8358 | -.2808 | -.3396 | -.4124 | .0806 | .1111 | |
| 101.400 | -.4354 | -.5320 | -.6271 | -.4244 | | .1129 | |
| 115.600 | -.4756 | -.5807 | -.6681 | -.4475 | | .1203 | |
| 133.800 | -.4818 | -.5104 | -.5684 | -.2804 | | .0926 | |
| 149.100 | -.5653 | -.5807 | -.5807 | -.3912 | | .0936 | |
| 180.000 | -.5475 | -.3203 | -.4346 | -.4004 | .0566 | .0889 | .1203 |

OA172 TAILCONE PRESSURES GEAR ON (CFG063) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = 10.000
SPDBRK = .000 BDFLAP = -11.700

BETA ( 1) = .000 ALPHA ( 1) = -6.250 Q(PSF) = 60.590 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3387 | -.3333 | -.2534 | -.0646 | .1347 | .1338 | .1662 |
| 44.800 | -.3030 | -.2961 | -.2441 | -.0850 | .1365 | .1616 | |
| 50.100 | -1.6039 | -.2712 | -.2472 | -.1128 | .1384 | .1616 | |
| 101.400 | -.3372 | -.4001 | -.4140 | -.2065 | | .1681 | |
| 115.600 | -.4140 | -.4699 | -.4684 | -.2018 | | .1681 | |
| 133.800 | -.3690 | -.4102 | -.5320 | -.2529 | | .1560 | |
| 149.100 | -.3558 | -.4055 | -.4722 | -.3400 | | .1551 | |
| 180.000 | -.4264 | -.3085 | -.4365 | -.3920 | .1569 | .1569 | .1662 |

BETA ( 1) = .000 ALPHA ( 2) = -4.140 Q(PSF) = 60.590 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3412 | -.3350 | -.2552 | -.0617 | .1363 | .1502 | .1807 |
| 44.800 | -.3079 | -.3001 | -.2505 | -.0932 | .1465 | .1761 | |
| 50.100 | -1.5984 | -.2885 | -.2513 | -.1237 | .1474 | .1761 | |
| 101.400 | -.3458 | -.4101 | -.4272 | -.2209 | | .1807 | |
| 115.600 | -.4086 | -.4628 | -.4690 | -.2079 | | .1816 | |
| 133.800 | -.3745 | -.4109 | -.5240 | -.2394 | | .1761 | |
| 149.100 | -.3667 | -.4132 | -.4667 | -.3208 | | .1761 | |
| 180.000 | -.4504 | -.3195 | -.4310 | -.3745 | .1631 | .1751 | .1807 |

BETA ( 1) = .000 ALPHA ( 3) = -2.040 Q(PSF) = 60.590 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3448 | -.3378 | -.2540 | -.0599 | .1485 | .1671 | .2051 |
| 44.800 | -.3099 | -.3044 | -.2571 | -.0998 | .1550 | .1902 | |
| 50.100 | -1.5945 | -.3036 | -.2493 | -.1331 | .1596 | .1930 | |
| 101.400 | -.3494 | -.4138 | -.4355 | -.2332 | | .1893 | |
| 115.600 | -.3983 | -.4510 | -.4666 | -.2138 | | .1958 | |
| 133.800 | -.3750 | -.4084 | -.5131 | -.2258 | | .1949 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG063)

BETA ( 1) = .000 ALPHA ( 3) = -2.040

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.3735 | -.4146 | -.4549 | -.3000 | | .1958 | |
| 180.000 | -.4611 | -.3269 | -.4205 | -.3519 | .1698 | .1958 | .2051 |

BETA ( 1) = .000 ALPHA ( 4) = .050 Q(PSF) = 60.590 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3533 | -.3456 | -.2595 | -.0562 | .1504 | .1708 | .2088 |
| 44.800 | -.3200 | -.3130 | -.2680 | -.1035 | .1578 | .1940 | |
| 50.100 | -1.5877 | -.3270 | -.2602 | -.1480 | .1578 | .1940 | |
| 101.400 | -.3533 | -.4208 | -.4465 | -.2463 | | .1921 | |
| 115.600 | -.3937 | -.4503 | -.4721 | -.2231 | | .2023 | |
| 133.800 | -.3797 | -.4108 | -.5070 | -.2147 | | .2014 | |
| 149.100 | -.3828 | -.4208 | -.4480 | -.2796 | | .2023 | |
| 180.000 | -.4728 | -.3316 | -.4113 | -.3278 | .1662 | .2023 | .2088 |

BETA ( 1) = .000 ALPHA ( 5) = 2.170 Q(PSF) = 60.590 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3563 | -.3493 | -.2609 | -.0608 | .1494 | .1652 | .2023 |
| 44.800 | -.3230 | -.3168 | -.2718 | -.1109 | .1550 | .1874 | |
| 50.100 | -1.6081 | -.3346 | -.2671 | -.1563 | .1559 | .1893 | |
| 101.400 | -.3563 | -.4230 | -.4556 | -.2610 | | .1902 | |
| 115.600 | -.3904 | -.4471 | -.4734 | -.2304 | | .1976 | |
| 133.800 | -.3804 | -.4091 | -.4913 | -.2008 | | .1967 | |
| 149.100 | -.3827 | -.4153 | -.4284 | -.2564 | | .1967 | |
| 180.000 | -.4649 | -.3206 | -.3981 | -.3036 | .1679 | .1985 | .2023 |

0A172 TAILCONE PRESSURES GEAR ON (CFG063)

BETA ( 1) = .000 ALPHA ( 6) = 4.250 Q(PSF) = 60.590 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3574 | -.3512 | -.2658 | -.0655 | .1458 | .1588 | .1978 |
| 44.800 | -.3248 | -.3194 | -.2751 | -.1147 | .1505 | .1839 | |
| 50.100 | -1.6366 | -.3310 | -.2728 | -.1620 | .1542 | .1857 | |
| 101.400 | -.3566 | -.4242 | -.4593 | -.2714 | | .1866 | |
| 115.600 | -.3908 | -.4474 | -.4785 | -.2399 | | .1913 | |
| 133.800 | -.3830 | -.4094 | -.4855 | -.1935 | | .1931 | |
| 149.100 | -.3869 | -.4148 | -.4148 | -.2371 | | .1941 | |
| 180.000 | -.4568 | -.3155 | -.3846 | -.2816 | .1681 | .1941 | .1978 |

BETA ( 1) = .000 ALPHA ( 7) = 6.350 Q(PSF) = 60.590 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3613 | -.3551 | -.2705 | -.0702 | .1468 | .1700 | .2090 |
| 44.800 | -.3279 | -.3225 | -.2798 | -.1165 | .1533 | .1913 | |
| 50.100 | -1.6099 | -.3326 | -.2866 | -.1629 | .1551 | .1932 | |
| 101.400 | -.3574 | -.4265 | -.4669 | -.2770 | | .1950 | |
| 115.600 | -.3916 | -.4514 | -.4840 | -.2483 | | .1997 | |
| 133.800 | -.3854 | -.4094 | -.4754 | -.1852 | | .2025 | |
| 149.100 | -.3900 | -.4141 | -.4056 | -.2214 | | .2034 | |
| 180.000 | -.4832 | -.3085 | -.3818 | -.2807 | .1755 | .2043 | .2090 |

BETA ( 1) = .000 ALPHA ( 8) = 8.460 Q(PSF) = 60.590 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3658 | -.3588 | -.2719 | -.0683 | .1449 | .1699 | .2172 |
| 44.800 | -.3348 | -.3270 | -.2828 | -.1137 | .1523 | .1949 | |
| 50.100 | -1.4909 | -.3286 | -.2642 | -.1629 | .1532 | .1931 | |
| 101.400 | -.3565 | -.4263 | -.4706 | -.2899 | | .1977 | |
| 115.600 | -.3961 | -.4535 | -.4876 | -.2574 | | .2014 | |
| 133.800 | -.3852 | -.4077 | -.4597 | -.1814 | | .2042 | |
| 149.100 | -.3883 | -.4100 | -.3914 | -.2092 | | .2051 | |
| 180.000 | -.4931 | -.2936 | -.3863 | -.2852 | .1773 | .2070 | .2172 |

0A172 TAILCONE PRESSURES GEAR ON (CFG063)

BETA ( 1) = .000 ALPHA ( 9) = 10.580 Q(PSF) = 60.590 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3775 | -.3705 | -.2805 | -.0674 | .1430 | .1755 | .2238 |
| 44.800 | -.3465 | -.3387 | -.2875 | -.1174 | .1514 | .1959 | |
| 50.100 | -1.3321 | -.3333 | -.2596 | -.1592 | .1579 | .1968 | |
| 101.400 | -.3527 | -.4287 | -.4792 | -.3001 | | .2005 | |
| 115.600 | -.3993 | -.4613 | -.5001 | -.2695 | | .2024 | |
| 133.800 | -.3853 | -.4055 | -.4481 | -.1851 | | .2033 | |
| 149.100 | -.3899 | -.4070 | -.3822 | -.2037 | | .2024 | |
| 180.000 | -.5025 | -.2867 | -.3910 | -.2946 | .1764 | .2043 | .2238 |

BETA ( 1) = .000 ALPHA (10) = 12.700 Q(PSF) = 60.590 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3927 | -.3865 | -.2901 | -.0572 | .1506 | .1785 | .2249 |
| 44.800 | -.3609 | -.3523 | -.2971 | -.1157 | .1571 | .1998 | |
| 50.100 | -1.3126 | -.3259 | -.2598 | -.1621 | .1636 | .1998 | |
| 101.400 | -.3508 | -.4300 | -.4906 | -.3107 | | .2026 | |
| 115.600 | -.4051 | -.4673 | -.5147 | -.2810 | | .2036 | |
| 133.800 | -.3927 | -.4106 | -.4401 | -.1872 | | .2008 | |
| 149.100 | -.3904 | -.4059 | -.3826 | -.2095 | | .2008 | |
| 180.000 | -.5030 | -.2894 | -.3896 | -.2995 | .1720 | .2036 | .2249 |

BETA ( 1) = .000 ALPHA (11) = 14.800 Q(PSF) = 60.590 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4051 | -.3981 | -.2960 | -.0468 | .1482 | .1750 | .2268 |
| 44.800 | -.3710 | -.3625 | -.2991 | -.1097 | .1583 | .1972 | |
| 50.100 | -1.1782 | -.3091 | -.2565 | -.1596 | .1630 | .2000 | |
| 101.400 | -.3517 | -.4329 | -.5003 | -.3196 | | .2000 | |
| 115.600 | -.4035 | -.4693 | -.5235 | -.2974 | | .2027 | |
| 133.800 | -.3981 | -.4144 | -.4322 | -.1929 | | .1935 | |
| 149.100 | -.3911 | -.4074 | -.3904 | -.2271 | | .1944 | |
| 180.000 | -.5049 | -.2960 | -.3927 | -.3104 | .1602 | .1963 | .2268 |

0A172 TAILCONE PRESSURES GEAR ON (CFG063)

BETA ( 1) = .000 ALPHA (12) = 16.930 Q(PSF) = 60.590 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4144 | -.4043 | -.3004 | -.0414 | .1512 | .1762 | .2291 |
| 44.800 | -.3795 | -.3679 | -.2996 | -.1071 | .1586 | .2022 | |
| 50.100 | -1.0556 | -.2864 | -.2508 | -.1498 | .1679 | .2041 | |
| 101.400 | -.3578 | -.4423 | -.5159 | -.3295 | | .2013 | |
| 115.600 | -.4043 | -.4780 | -.5423 | -.3165 | | .2031 | |
| 133.800 | -.4120 | -.4229 | -.4485 | -.1979 | | .1911 | |
| 149.100 | -.3919 | -.4120 | -.4089 | -.2572 | | .1911 | |
| 180.000 | -.5105 | -.3019 | -.4073 | -.3267 | .1494 | .1929 | .2291 |

BETA ( 1) = .000 ALPHA (13) = 19.070 Q(PSF) = 60.590 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4181 | -.4104 | -.3077 | -.0458 | .1423 | .1737 | .2291 |
| 44.800 | -.3834 | -.3725 | -.2984 | -.1049 | .1543 | .2014 | |
| 50.100 | -.9602 | -.2474 | -.2359 | -.1427 | .1617 | .1995 | |
| 101.400 | -.3702 | -.4544 | -.5278 | -.3281 | | .1977 | |
| 115.600 | -.4119 | -.4899 | -.5633 | -.3374 | | .2032 | |
| 133.800 | -.4119 | -.4305 | -.4668 | -.2100 | | .1894 | |
| 149.100 | -.4204 | -.4374 | -.4529 | -.3032 | | .1894 | |
| 180.000 | -.5015 | -.3100 | -.4186 | -.3540 | .1423 | .1921 | .2291 |

BETA ( 1) = .000 ALPHA (14) = 21.190 Q(PSF) = 60.590 PO = 2126.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4375 | -.4314 | -.3240 | -.0504 | .1350 | .1710 | .2338 |
| 44.800 | -.4043 | -.3904 | -.3109 | -.1049 | .1451 | .1950 | |
| 50.100 | -.8817 | -.2205 | -.2158 | -.1335 | .1497 | .1950 | |
| 101.400 | -.3866 | -.4731 | -.5410 | -.3292 | | .1950 | |
| 115.600 | -.4283 | -.5132 | -.5982 | -.3698 | | .1996 | |
| 133.800 | -.4205 | -.4445 | -.4970 | -.2304 | | .1913 | |
| 149.100 | -.4970 | -.5171 | -.5202 | -.3532 | | .1894 | |
| 180.000 | -.5047 | -.3255 | -.4482 | -.3984 | .1405 | .1922 | .2338 |

OA172 TAILCONE PRESSURES GEAR ON (CFG064) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = -10.000
SPDBRK = .000 BDFLAP = -11.700

BETA ( 1) = .000 ALPHA ( 1) = -6.240 Q(PSF) = 60.576 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3394 | -.3324 | -.2595 | -.0646 | .1328 | .1402 | .1680 |
| 44.800 | -.3022 | -.2960 | -.2424 | -.0850 | .1319 | .1615 | |
| 50.100 | -1.6437 | -.2820 | -.2486 | -.1128 | .1356 | .1578 | |
| 101.400 | -.3580 | -.4217 | -.4372 | -.2222 | | .1736 | |
| 115.600 | -.4411 | -.4938 | -.4962 | -.2222 | | .1717 | |
| 133.800 | -.4279 | -.4636 | -.5745 | -.2602 | | .1597 | |
| 149.100 | -.4550 | -.4938 | -.5124 | -.3288 | | .1597 | |
| 180.000 | -.4178 | -.3216 | -.4289 | -.3891 | .1578 | .1560 | .1680 |

BETA ( 1) = .000 ALPHA ( 2) = -4.140 Q(PSF) = 60.576 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3413 | -.3343 | -.2597 | -.0544 | .1431 | .1496 | .1802 |
| 44.800 | -.3063 | -.3001 | -.2496 | -.0962 | .1459 | .1737 | |
| 50.100 | -1.6607 | -.2985 | -.2543 | -.1268 | .1450 | .1737 | |
| 101.400 | -.3684 | -.4321 | -.4500 | -.2391 | | .1821 | |
| 115.600 | -.4376 | -.4888 | -.5005 | -.2326 | | .1793 | |
| 133.800 | -.4360 | -.4694 | -.5680 | -.2483 | | .1802 | |
| 149.100 | -.4686 | -.5036 | -.5074 | -.3077 | | .1784 | |
| 180.000 | -.4352 | -.3358 | -.4265 | -.3736 | .1682 | .1737 | .1802 |

BETA ( 1) = .000 ALPHA ( 3) = -2.030 Q(PSF) = 60.576 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3456 | -.3393 | -.2610 | -.0599 | .1513 | .1698 | .2032 |
| 44.800 | -.3122 | -.3052 | -.2563 | -.1007 | .1550 | .1930 | |
| 50.100 | -1.6434 | -.3184 | -.2525 | -.1313 | .1513 | .1921 | |
| 101.400 | -.3704 | -.4379 | -.4596 | -.2518 | | .1921 | |
| 115.600 | -.4309 | -.4836 | -.5023 | -.2416 | | .1995 | |
| 133.800 | -.4402 | -.4697 | -.5604 | -.2360 | | .1986 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG064)

BETA ( 1) = .000 ALPHA ( 3) = -2.030

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4767 | -.5061 | -.4945 | -.2833 | | .1977 | |
| 180.000 | -.4511 | -.3432 | -.4168 | -.3519 | .1726 | .1958 | .2032 |

BETA ( 1) = .000 ALPHA ( 4) = .060 Q(PSF) = 60.576 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3523 | -.3453 | -.2631 | -.0571 | .1540 | .1762 | .2152 |
| 44.800 | -.3182 | -.3120 | -.2655 | -.1043 | .1512 | .1994 | |
| 50.100 | -1.5942 | -.3360 | -.2593 | -.1451 | .1512 | .1975 | |
| 101.400 | -.3732 | -.4399 | -.4655 | -.2637 | | .1985 | |
| 115.600 | -.4251 | -.4794 | -.5058 | -.2498 | | .2031 | |
| 133.800 | -.4422 | -.4717 | -.5515 | -.2229 | | .2049 | |
| 149.100 | -.4810 | -.5081 | -.4786 | -.2609 | | .2049 | |
| 180.000 | -.4639 | -.3484 | -.4072 | -.3294 | .1706 | .2068 | .2152 |

BETA ( 1) = .000 ALPHA ( 5) = 2.160 Q(PSF) = 60.576 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3556 | -.3478 | -.2656 | -.0590 | .1513 | .1717 | .2097 |
| 44.800 | -.3214 | -.3168 | -.2703 | -.1081 | .1541 | .1949 | |
| 50.100 | -1.6113 | -.3494 | -.2679 | -.1563 | .1513 | .1958 | |
| 101.400 | -.3765 | -.4448 | -.4742 | -.2777 | | .1976 | |
| 115.600 | -.4254 | -.4797 | -.5099 | -.2601 | | .2023 | |
| 133.800 | -.4448 | -.4696 | -.5371 | -.2119 | | .2013 | |
| 149.100 | -.4836 | -.5029 | -.4603 | -.2351 | | .2032 | |
| 180.000 | -.4541 | -.3432 | -.4000 | -.3055 | .1680 | .2032 | .2097 |

0A172 TAILCONE PRESSURES GEAR ON (CFG064)

BETA ( 1) = .000 ALPHA ( 6) = 4.250 Q(PSF) = 60.576 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3588 | -.3518 | -.2688 | -.0618 | .1486 | .1662 | .2051 |
| 44.800 | -.3254 | -.3192 | -.2742 | -.1146 | .1513 | .1903 | |
| 50.100 | -1.6639 | -.3518 | -.2727 | -.1582 | .1532 | .1884 | |
| 101.400 | -.3767 | -.4449 | -.4791 | -.2852 | | .1940 | |
| 115.600 | -.4248 | -.4830 | -.5163 | -.2685 | | .1968 | |
| 133.800 | -.4473 | -.4721 | -.5311 | -.2009 | | .1986 | |
| 149.100 | -.4845 | -.4993 | -.4426 | -.2111 | | .1996 | |
| 180.000 | -.4411 | -.3355 | -.3891 | -.2852 | .1699 | .1996 | .2051 |

BETA ( 1) = .000 ALPHA ( 7) = 6.360 Q(PSF) = 60.576 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3624 | -.3538 | -.2732 | -.0729 | .1484 | .1697 | .2077 |
| 44.800 | -.3298 | -.3228 | -.2771 | -.1145 | .1540 | .1910 | |
| 50.100 | -1.6268 | -.3414 | -.2686 | -.1599 | .1540 | .1929 | |
| 101.400 | -.3755 | -.4445 | -.4810 | -.2914 | | .1975 | |
| 115.600 | -.4267 | -.4849 | -.5205 | -.2776 | | .1985 | |
| 133.800 | -.4484 | -.4709 | -.5190 | -.1914 | | .2003 | |
| 149.100 | -.4856 | -.4957 | -.4283 | -.1951 | | .2022 | |
| 180.000 | -.4515 | -.3329 | -.3887 | -.2859 | .1753 | .2022 | .2077 |

BETA ( 1) = .000 ALPHA ( 8) = 8.460 Q(PSF) = 60.576 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3684 | -.3614 | -.2783 | -.0730 | .1477 | .1700 | .2099 |
| 44.800 | -.3357 | -.3288 | -.2814 | -.1138 | .1524 | .1932 | |
| 50.100 | -1.5167 | -.3420 | -.2674 | -.1583 | .1561 | .1923 | |
| 101.400 | -.3746 | -.4475 | -.4887 | -.2993 | | .1997 | |
| 115.600 | -.4312 | -.4910 | -.5298 | -.2891 | | .2006 | |
| 133.800 | -.4522 | -.4716 | -.5066 | -.1898 | | .2006 | |
| 149.100 | -.4895 | -.4934 | -.4142 | -.1815 | | .2025 | |
| 180.000 | -.4701 | -.3241 | -.3912 | -.2891 | .1746 | .2043 | .2099 |

0A172 TAILCONE PRESSURES GEAR ON (CFG064)

BETA ( 1) = .000 ALPHA ( 9) = 12.670 Q(PSF) = 60.576 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3982 | -.3897 | -.2974 | -.0553 | .1503 | .1772 | .2227 |
| 44.800 | -.3664 | -.3563 | -.2966 | -.1137 | .1596 | .2032 | |
| 50.100 | -1.3289 | -.3400 | -.2625 | -.1572 | .1633 | .2032 | |
| 101.400 | -.3687 | -.4509 | -.5099 | -.3259 | | .2060 | |
| 115.600 | -.4424 | -.5068 | -.5541 | -.3166 | | .2060 | |
| 133.800 | -.4610 | -.4781 | -.4882 | -.1989 | | .2013 | |
| 149.100 | -.4897 | -.4913 | -.4106 | -.1961 | | .1995 | |
| 180.000 | -.4796 | -.3183 | -.3944 | -.3008 | .1679 | .1995 | .2227 |

BETA ( 1) = .000 ALPHA (10) = 14.790 Q(PSF) = 60.576 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4071 | -.4017 | -.3056 | -.0450 | .1520 | .1752 | .2271 |
| 44.800 | -.3761 | -.3668 | -.2994 | -.1071 | .1622 | .2039 | |
| 50.100 | -1.2137 | -.3227 | -.2591 | -.1534 | .1632 | .2039 | |
| 101.400 | -.3692 | -.4521 | -.5210 | -.3376 | | .2067 | |
| 115.600 | -.4443 | -.5117 | -.5691 | -.3348 | | .2076 | |
| 133.800 | -.4683 | -.4838 | -.4862 | -.2052 | | .2002 | |
| 149.100 | -.4900 | -.4947 | -.4234 | -.2191 | | .1984 | |
| 180.000 | -.4831 | -.3227 | -.3968 | -.3107 | .1585 | .1956 | .2271 |

BETA ( 1) = .000 ALPHA (11) = 16.930 Q(PSF) = 60.576 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4141 | -.4079 | -.3072 | -.0395 | .1521 | .1798 | .2281 |
| 44.800 | -.3824 | -.3723 | -.3025 | -.1071 | .1613 | .2049 | |
| 50.100 | -1.1177 | -.2909 | -.2522 | -.1487 | .1632 | .2049 | |
| 101.400 | -.3754 | -.4637 | -.5350 | -.3478 | | .2067 | |
| 115.600 | -.4451 | -.5156 | -.5854 | -.3561 | | .2067 | |
| 133.800 | -.4955 | -.4994 | -.5056 | -.2154 | | .1993 | |
| 149.100 | -.4924 | -.4986 | -.4436 | -.2497 | | .1956 | |
| 180.000 | -.4831 | -.3227 | -.4043 | -.3256 | .1511 | .1947 | .2281 |

OA172 TAILCONE PRESSURES GEAR ON (CFG064)

BETA ( 1) = .000 ALPHA (12) = 19.050 Q(PSF) = 60.576 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4218 | -.4164 | -.3149 | -.0404 | .1437 | .1789 | .2326 |
| 44.800 | -.3916 | -.3799 | -.3040 | -.1071 | .1502 | .2039 | |
| 50.100 | -1.0284 | -.2544 | -.2405 | -.1441 | .1576 | .2002 | |
| 101.400 | -.3900 | -.4791 | -.5481 | -.3449 | | .2030 | |
| 115.600 | -.4481 | -.5271 | -.6046 | -.3746 | | .2057 | |
| 133.800 | -.4977 | -.5085 | -.5279 | -.2302 | | .1993 | |
| 149.100 | -.5093 | -.5240 | -.4985 | -.3051 | | .1955 | |
| 180.000 | -.4907 | -.3304 | -.4190 | -.3533 | .1446 | .1918 | .2326 |

BETA ( 1) = .000 ALPHA (13) = 21.170 Q(PSF) = 60.576 PO = 2125.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4438 | -.4338 | -.3324 | -.0515 | .1343 | .1732 | .2324 |
| 44.800 | -.4113 | -.3974 | -.3138 | -.1079 | .1417 | .2000 | |
| 50.100 | -.9485 | -.2225 | -.2217 | -.1347 | .1445 | .1981 | |
| 101.400 | -.4067 | -.4949 | -.5630 | -.3465 | | .2009 | |
| 115.600 | -.4640 | -.5499 | -.6381 | -.4066 | | .2065 | |
| 133.800 | -.5003 | -.5259 | -.5669 | -.2568 | | .2009 | |
| 149.100 | -.5801 | -.5979 | -.5762 | -.3585 | | .1963 | |
| 180.000 | -.4872 | -.3440 | -.4445 | -.3909 | .1408 | .1917 | .2324 |

0A172 TAILCONE PRESSURES GEAR OFF (CFG065) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700

BETA ( 1) = .000 ALPHA ( 1) = -6.280 Q(PSF) = 60.519 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3454 | -.3376 | -.2715 | -.0702 | .1822 | .1961 | .2268 |
| 44.800 | -.3135 | -.3065 | -.2599 | -.1018 | .1859 | .2203 | |
| 50.100 | -1.6625 | -.3026 | -.2459 | -.1343 | .1878 | .2203 | |
| 101.400 | -.3508 | -.4145 | -.4270 | -.2086 | | .2185 | |
| 115.600 | -.4308 | -.4829 | -.4837 | -.2067 | | .2222 | |
| 133.800 | -.3959 | -.4332 | -.5490 | -.2504 | | .2165 | |
| 149.100 | -.3998 | -.4441 | -.4876 | -.3274 | | .2166 | |
| 180.000 | -.4207 | -.2731 | -.3943 | -.3525 | .1841 | .2138 | .2268 |

BETA ( 1) = .000 ALPHA ( 2) = -4.180 Q(PSF) = 60.519 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3414 | -.3359 | -.2637 | -.0600 | .1719 | .1673 | .1887 |
| 44.800 | -.3088 | -.3049 | -.2606 | -.0934 | .1738 | .1914 | |
| 50.100 | -1.6279 | -.3033 | -.2450 | -.1389 | .1738 | .1896 | |
| 101.400 | -.3554 | -.4214 | -.4346 | -.2215 | | .1942 | |
| 115.600 | -.4222 | -.4734 | -.4812 | -.2132 | | .1952 | |
| 133.800 | -.4020 | -.4369 | -.5410 | -.2354 | | .1905 | |
| 149.100 | -.4121 | -.4532 | -.4797 | -.3069 | | .1887 | |
| 180.000 | -.4439 | -.2893 | -.3895 | -.3375 | .1757 | .1859 | .1887 |

BETA ( 1) = .000 ALPHA ( 3) = -2.060 Q(PSF) = 60.519 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3425 | -.3356 | -.2634 | -.0544 | .1523 | .1532 | .1708 |
| 44.800 | -.3107 | -.3037 | -.2603 | -.0896 | .1504 | .1764 | |
| 50.100 | -1.5818 | -.3022 | -.2417 | -.1360 | .1513 | .1764 | |
| 101.400 | -.3581 | -.4240 | -.4434 | -.2296 | | .1782 | |
| 115.600 | -.4131 | -.4636 | -.4822 | -.2185 | | .1829 | |
| 133.800 | -.4062 | -.4357 | -.5311 | -.2222 | | .1810 | |

0A172 TAILCONE PRESSURES GEAR OFF (CFG065)

BETA ( 1) = .000 ALPHA ( 3) = -2.060

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4201 | -.4551 | -.4698 | -.2834 | | .1792 | |
| 180.000 | -.4682 | -.2944 | -.3807 | -.3186 | .1699 | .1764 | .1708 |

BETA ( 1) = .000 ALPHA ( 4) = .020 Q(PSF) = 60.519 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3443 | -.3381 | -.2636 | -.0535 | .1459 | .1477 | .1709 |
| 44.800 | -.3125 | -.3078 | -.2636 | -.0915 | .1468 | .1737 | |
| 50.100 | -1.5696 | -.3078 | -.2379 | -.1407 | .1431 | .1737 | |
| 101.400 | -.3606 | -.4274 | -.4476 | -.2390 | | .1746 | |
| 115.600 | -.4080 | -.4585 | -.4818 | -.2242 | | .1802 | |
| 133.800 | -.4072 | -.4375 | -.5214 | -.2094 | | .1802 | |
| 149.100 | -.4274 | -.4569 | -.4561 | -.2604 | | .1811 | |
| 180.000 | -.4740 | -.2993 | -.3689 | -.2975 | .1672 | .1774 | .1709 |

BETA ( 1) = .000 ALPHA ( 5) = 2.130 Q(PSF) = 60.519 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3488 | -.3410 | -.2681 | -.0609 | .1495 | .1495 | .1736 |
| 44.800 | -.3154 | -.3100 | -.2650 | -.0980 | .1523 | .1745 | |
| 50.100 | -1.6013 | -.3084 | -.2378 | -.1471 | .1504 | .1764 | |
| 101.400 | -.3627 | -.4310 | -.4559 | -.2519 | | .1773 | |
| 115.600 | -.4046 | -.4566 | -.4846 | -.2324 | | .1838 | |
| 133.800 | -.4085 | -.4349 | -.5063 | -.1953 | | .1857 | |
| 149.100 | -.4272 | -.4535 | -.4365 | -.2343 | | .1847 | |
| 180.000 | -.4667 | -.2913 | -.3585 | -.2732 | .1671 | .1820 | .1736 |

OA172 TAILCONE PRESSURES GEAR OFF (CFG065)

BETA ( 1) = .000 ALPHA ( 6) = 4.230 Q(PSF) = 60.519 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3504 | -.3442 | -.2720 | -.0692 | .1588 | .1560 | .1774 |
| 44.800 | -.3186 | -.3139 | -.2666 | -.1017 | .1625 | .1783 | |
| 50.100 | -1.6390 | -.3046 | -.2410 | -.1462 | .1625 | .1792 | |
| 101.400 | -.3644 | -.4343 | -.4599 | -.2603 | | .1857 | |
| 115.600 | -.4055 | -.4575 | -.4894 | -.2408 | | .1885 | |
| 133.800 | -.4125 | -.4358 | -.5002 | -.1861 | | .1894 | |
| 149.100 | -.4304 | -.4482 | -.4211 | -.2111 | | .1885 | |
| 180.000 | -.4661 | -.2852 | -.3493 | -.2538 | .1709 | .1885 | .1774 |

BETA ( 1) = .000 ALPHA ( 7) = 6.340 Q(PSF) = 60.519 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3554 | -.3476 | -.2769 | -.0739 | .1729 | .1654 | .1896 |
| 44.800 | -.3227 | -.3157 | -.2676 | -.1009 | .1729 | .1896 | |
| 50.100 | -1.6356 | -.2963 | -.2373 | -.1398 | .1729 | .1914 | |
| 101.400 | -.3647 | -.4338 | -.4626 | -.2689 | | .2035 | |
| 115.600 | -.4082 | -.4626 | -.4929 | -.2503 | | .2017 | |
| 133.800 | -.4144 | -.4369 | -.4890 | -.1779 | | .1970 | |
| 149.100 | -.4338 | -.4486 | -.4066 | -.1965 | | .1961 | |
| 180.000 | -.4711 | -.2800 | -.3459 | -.2522 | .1812 | .1952 | .1896 |

BETA ( 1) = .000 ALPHA ( 8) = 8.440 Q(PSF) = 60.519 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3568 | -.3514 | -.2815 | -.0776 | .1793 | .1728 | .1970 |
| 44.800 | -.3250 | -.3195 | -.2675 | -.1018 | .1784 | .1979 | |
| 50.100 | -1.5862 | -.2924 | -.2357 | -.1314 | .1784 | .1979 | |
| 101.400 | -.3654 | -.4368 | -.4710 | -.2781 | | .2128 | |
| 115.600 | -.4120 | -.4687 | -.5020 | -.2595 | | .2090 | |
| 133.800 | -.4143 | -.4368 | -.4764 | -.1751 | | .1998 | |
| 149.100 | -.4345 | -.4461 | -.3933 | -.1843 | | .1951 | |
| 180.000 | -.5005 | -.2706 | -.3495 | -.2623 | .1895 | .1942 | .1970 |

OA172 TAILCONE PRESSURES GEAR OFF (CFG065)

BETA ( 1) = .000 ALPHA ( 9) = 10.540 Q(PSF) = 60.519 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3666 | -.3596 | -.2888 | -.0786 | .1879 | .1795 | .2084 |
| 44.800 | -.3347 | -.3277 | -.2701 | -.0991 | .1860 | .2074 | |
| 50.100 | -1.4730 | -.2756 | -.2313 | -.1149 | .1860 | .2065 | |
| 101.400 | -.3619 | -.4373 | -.4793 | -.2867 | | .2195 | |
| 115.600 | -.4171 | -.4731 | -.5120 | -.2710 | | .2177 | |
| 133.800 | -.4171 | -.4350 | -.4622 | -.1762 | | .2046 | |
| 149.100 | -.4342 | -.4428 | -.3844 | -.1790 | | .2018 | |
| 180.000 | -.5065 | -.2678 | -.3536 | -.2672 | .1953 | .2000 | .2084 |

BETA ( 1) = .000 ALPHA (10) = 12.640 Q(PSF) = 60.519 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3757 | -.3679 | -.2966 | -.0803 | .1948 | .1920 | .2199 |
| 44.800 | -.3462 | -.3385 | -.2741 | -.0970 | .1948 | .2190 | |
| 50.100 | -1.3699 | -.2524 | -.2214 | -.1072 | .1939 | .2190 | |
| 101.400 | -.3571 | -.4354 | -.4843 | -.2925 | | .2236 | |
| 115.600 | -.4199 | -.4765 | -.5207 | -.2795 | | .2227 | |
| 133.800 | -.4222 | -.4385 | -.4517 | -.1776 | | .2115 | |
| 149.100 | -.4346 | -.4408 | -.3850 | -.1878 | | .2097 | |
| 180.000 | -.5114 | -.2679 | -.3536 | -.2693 | .1948 | .2078 | .2199 |

BETA ( 1) = .000 ALPHA (11) = 14.780 Q(PSF) = 60.519 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3860 | -.3775 | -.3061 | -.0794 | .2005 | .2015 | .2303 |
| 44.800 | -.3581 | -.3496 | -.2774 | -.0906 | .2005 | .2284 | |
| 50.100 | -1.2436 | -.2332 | -.2153 | -.0961 | .2005 | .2293 | |
| 101.400 | -.3581 | -.4419 | -.4994 | -.3066 | | .2256 | |
| 115.600 | -.4225 | -.4846 | -.5382 | -.2992 | | .2256 | |
| 133.800 | -.4318 | -.4442 | -.4497 | -.1851 | | .2182 | |
| 149.100 | -.4365 | -.4450 | -.3992 | -.2129 | | .2154 | |
| 180.000 | -.5125 | -.2704 | -.3585 | -.2797 | .1912 | .2135 | .2303 |

OA172 TAILCONE PRESSURES GEAR OFF (CFG065)

BETA ( 1) = .000 ALPHA (12) = 16.910 Q(PSF) = 60.519 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3920 | -.3866 | -.3114 | -.0803 | .2041 | .2106 | .2431 |
| 44.800 | -.3672 | -.3571 | -.2803 | -.0859 | .2032 | .2385 | |
| 50.100 | -1.0249 | -.2097 | -.1904 | -.0905 | .2041 | .2375 | |
| 101.400 | -.3641 | -.4494 | -.5153 | -.3138 | | .2311 | |
| 115.600 | -.4223 | -.4905 | -.5526 | -.3185 | | .2320 | |
| 133.800 | -.4440 | -.4525 | -.4642 | -.1878 | | .2264 | |
| 149.100 | -.4393 | -.4517 | -.4215 | -.2443 | | .2236 | |
| 180.000 | -.5130 | -.2741 | -.3602 | -.2934 | .1911 | .2235 | .2431 |

BETA ( 1) = .000 ALPHA (13) = 19.050 Q(PSF) = 60.519 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4027 | -.3965 | -.3182 | -.0803 | .1985 | .2143 | .2505 |
| 44.800 | -.3756 | -.3640 | -.2833 | -.0803 | .1976 | .2440 | |
| 50.100 | -.9346 | -.1911 | -.1546 | -.0849 | .1985 | .2430 | |
| 101.400 | -.3756 | -.4624 | -.5252 | -.3128 | | .2356 | |
| 115.600 | -.4322 | -.5043 | -.5741 | -.3359 | | .2384 | |
| 133.800 | -.4500 | -.4655 | -.4849 | -.1979 | | .2347 | |
| 149.100 | -.4779 | -.4950 | -.4803 | -.2933 | | .2328 | |
| 180.000 | -.5120 | -.2857 | -.3786 | -.3202 | .1938 | .2328 | .2505 |

BETA ( 1) = .000 ALPHA (14) = 21.180 Q(PSF) = 60.519 PO = 2124.8

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.4235 | -.4173 | -.3307 | -.0792 | .1749 | .2101 | .2527 |
| 44.800 | -.3964 | -.3841 | -.2966 | -.0764 | .1749 | .2379 | |
| 50.100 | -.9612 | -.1690 | -.1334 | -.0783 | .1768 | .2360 | |
| 101.400 | -.3910 | -.4761 | -.5334 | -.3084 | | .2388 | |
| 115.600 | -.4622 | -.5380 | -.6084 | -.3528 | | .2388 | |
| 133.800 | -.4707 | -.4924 | -.5272 | -.2262 | | .2360 | |
| 149.100 | -.5767 | -.5868 | -.5597 | -.3454 | | .2351 | |
| 180.000 | -.5233 | -.3036 | -.4083 | -.3583 | .1962 | .2342 | .2527 |

OA172 TAILCONE PRESSURES GEAR ON (CFG111) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

BETA ( 1) = .000 ALPHA ( 1) = 1.120 Q(PSF) = 61.094 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2580 | -.2580 | -.2134 | -.0598 | .1353 | .1086 | .1859 |
| 44.800 | -.2326 | -.2726 | -.2049 | -.1178 | .1408 | .1749 | |
| 50.100 | -.0233 | -.3927 | -.2842 | -.1702 | .1408 | .1758 | |
| 101.400 | -.4004 | -.4589 | -.4897 | -.2842 | | .1758 | |
| 115.600 | -.4358 | -.5305 | -.5181 | -.2640 | | .1813 | |
| 133.800 | -.4427 | -.4697 | -.5466 | -.2318 | | .1823 | |
| 149.100 | -.4635 | -.4897 | -.4773 | -.2787 | | .1813 | |
| 180.000 | -.4512 | -.3226 | -.4102 | -.3247 | .1528 | .1813 | .1859 |

BETA ( 1) = .000 ALPHA ( 2) = 2.210 Q(PSF) = 61.094 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2535 | -.2535 | -.2112 | -.0580 | .1400 | .1086 | .1879 |
| 44.800 | -.2289 | -.2751 | -.2066 | -.1206 | .1446 | .1750 | |
| 50.100 | -.0656 | -.3945 | -.2874 | -.1758 | .1427 | .1750 | |
| 101.400 | -.3960 | -.4561 | -.4923 | -.2908 | | .1732 | |
| 115.600 | -.4345 | -.5285 | -.5208 | -.2678 | | .1768 | |
| 133.800 | -.4415 | -.4653 | -.5377 | -.2218 | | .1815 | |
| 149.100 | -.4615 | -.4815 | -.4638 | -.2614 | | .1824 | |
| 180.000 | -.4422 | -.3159 | -.4012 | -.3065 | .1538 | .1824 | .1879 |

BETA ( 1) = .000 ALPHA ( 3) = 4.360 Q(PSF) = 61.094 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2419 | -.2419 | -.2004 | -.0516 | .1445 | .1178 | .1934 |
| 44.800 | -.2173 | -.2704 | -.1996 | -.1178 | .1464 | .1805 | |
| 50.100 | -.0956 | -.3882 | -.2766 | -.1702 | .1473 | .1786 | |
| 101.400 | -.3851 | -.4475 | -.4837 | -.2935 | | .1777 | |
| 115.600 | -.4267 | -.5230 | -.5160 | -.2733 | | .1832 | |
| 133.800 | -.4375 | -.4583 | -.5214 | -.2052 | | .1851 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG111)

BETA ( 1) = .000 ALPHA ( 3) = 4.360

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4575 | -.4737 | -.4421 | -.2319 | | .1842 | |
| 180.000 | -.4452 | -.3043 | -.3800 | -.2797 | .1584 | .1860 | .1934 |

BETA ( 1) = .000 ALPHA ( 4) = 6.510 Q(PSF) = 61.094 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2349 | -.2349 | -.1941 | -.0488 | .1509 | .1307 | .2108 |
| 44.800 | -.2110 | -.2603 | -.1895 | -.1104 | .1537 | .1933 | |
| 50.100 | -.1179 | -.3711 | -.2657 | -.1674 | .1574 | .1942 | |
| 101.400 | -.3757 | -.4373 | -.4765 | -.2915 | | .1942 | |
| 115.600 | -.4211 | -.5188 | -.5134 | -.2759 | | .1988 | |
| 133.800 | -.4342 | -.4519 | -.5019 | -.1913 | | .2007 | |
| 149.100 | -.4542 | -.4642 | -.4211 | -.2079 | | .2007 | |
| 180.000 | -.4650 | -.2934 | -.3724 | -.2750 | .1739 | .2007 | .2108 |

BETA ( 1) = .000 ALPHA ( 5) = 8.670 Q(PSF) = 61.094 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2280 | -.2265 | -.1895 | -.0424 | .1574 | .1399 | .2265 |
| 44.800 | -.2049 | -.2450 | -.1734 | -.0994 | .1602 | .2044 | |
| 50.100 | -.1341 | -.3435 | -.2450 | -.1472 | .1639 | .2044 | |
| 101.400 | -.3650 | -.4297 | -.4743 | -.2925 | | .2035 | |
| 115.600 | -.4189 | -.5190 | -.5151 | -.2833 | | .2072 | |
| 133.800 | -.4266 | -.4443 | -.4805 | -.1858 | | .2072 | |
| 149.100 | -.4497 | -.4574 | -.4034 | -.1914 | | .2072 | |
| 180.000 | -.4790 | -.2704 | -.3771 | -.2787 | .1832 | .2090 | .2265 |

0A172 TAILCONE PRESSURES GEAR ON (CFG111)

BETA ( 1) = .000 ALPHA ( 6) = 10.820 Q(PSF) = 61.094 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2344 | -.2336 | -.1959 | -.0341 | .1668 | .1474 | .2378 |
| 44.800 | -.2128 | -.2275 | -.1612 | -.0894 | .1705 | .2175 | |
| 50.100 | -.1481 | -.3068 | -.2329 | -.1326 | .1760 | .2175 | |
| 101.400 | -.3569 | -.4232 | -.4756 | -.2965 | | .2184 | |
| 115.600 | -.4193 | -.5249 | -.5218 | -.2891 | | .2203 | |
| 133.800 | -.4255 | -.4417 | -.4648 | -.1833 | | .2166 | |
| 149.100 | -.4470 | -.4509 | -.3916 | -.1860 | | .2175 | |
| 180.000 | -.4925 | -.2644 | -.3683 | -.2735 | .1926 | .2166 | .2378 |

BETA ( 1) = .000 ALPHA ( 7) = 12.980 Q(PSF) = 61.094 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2332 | -.2317 | -.1955 | -.0295 | .1775 | .1564 | .2503 |
| 44.800 | -.2132 | -.2032 | -.1378 | -.0736 | .1812 | .2291 | |
| 50.100 | -.1594 | -.2555 | -.2055 | -.1048 | .1840 | .2291 | |
| 101.400 | -.3447 | -.4147 | -.4717 | -.2905 | | .2309 | |
| 115.600 | -.4132 | -.5209 | -.5224 | -.2914 | | .2319 | |
| 133.800 | -.4270 | -.4386 | -.4447 | -.1765 | | .2300 | |
| 149.100 | -.4386 | -.4417 | -.3840 | -.1885 | | .2282 | |
| 180.000 | -.4985 | -.2594 | -.3557 | -.2693 | .2015 | .2309 | .2503 |

BETA ( 1) = .000 ALPHA ( 8) = 15.150 Q(PSF) = 61.094 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2220 | -.2204 | -.1912 | -.0286 | .1916 | .1713 | .2663 |
| 44.800 | -.2058 | -.1688 | -.1118 | -.0590 | .1925 | .2460 | |
| 50.100 | -.1658 | -.1912 | -.1542 | -.0755 | .1953 | .2451 | |
| 101.400 | -.3406 | -.4089 | -.4700 | -.2807 | | .2497 | |
| 115.600 | -.4076 | -.5208 | -.5285 | -.2973 | | .2506 | |
| 133.800 | -.4276 | -.4369 | -.4376 | -.1749 | | .2488 | |
| 149.100 | -.4353 | -.4399 | -.3883 | -.1997 | | .2478 | |
| 180.000 | -.4892 | -.2605 | -.3553 | -.2697 | .2137 | .2478 | .2663 |

OA172 TAILCONE PRESSURES GEAR ON (CFG111)

BETA ( 1) = .000 ALPHA ( 9) = 17.340 Q(PSF) = 61.094 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2146 | -.2108 | -.1877 | -.0258 | .1995 | .1830 | .2851 |
| 44.800 | -.1977 | -.1393 | -.0924 | -.0460 | .1995 | .2630 | |
| 50.100 | -.1708 | -.1493 | -.0978 | -.0533 | .2014 | .2639 | |
| 101.400 | -.3399 | -.4076 | -.4645 | -.2572 | | .2741 | |
| 115.600 | -.4068 | -.5237 | -.5367 | -.3013 | | .2750 | |
| 133.800 | -.4476 | -.4483 | -.4506 | -.1773 | | .2713 | |
| 149.100 | -.4353 | -.4430 | -.4061 | -.2260 | | .2713 | |
| 180.000 | -.4968 | -.2700 | -.3583 | -.2784 | .2345 | .2722 | .2851 |

BETA ( 1) = .000 ALPHA (10) = 19.520 Q(PSF) = 61.094 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2256 | -.2210 | -.1934 | -.0138 | .1972 | .1862 | .3028 |
| 44.800 | -.2064 | -.1206 | -.0761 | -.0285 | .2000 | .2725 | |
| 50.100 | -.1781 | -.1137 | -.0554 | -.0349 | .2018 | .2706 | |
| 101.400 | -.3506 | -.4158 | -.4534 | -.2245 | | .2917 | |
| 115.600 | -.4281 | -.5492 | -.5592 | -.3006 | | .2936 | |
| 133.800 | -.4656 | -.4718 | -.4802 | -.1915 | | .2890 | |
| 149.100 | -.4572 | -.4695 | -.4534 | -.2749 | | .2899 | |
| 180.000 | -.4948 | -.2877 | -.3830 | -.3042 | .2559 | .2908 | .3028 |

BETA ( 1) = .000 ALPHA (11) = 21.700 Q(PSF) = 61.094 PO = 2118.0

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2451 | -.2390 | -.2031 | .0026 | .1724 | .1706 | .3094 |
| 44.800 | -.2237 | -.1047 | -.0581 | -.0101 | .1779 | .2592 | |
| 50.100 | -.1917 | -.0643 | -.0162 | -.0165 | .1788 | .2601 | |
| 101.400 | -.3610 | -.4251 | -.4427 | -.2088 | | .2930 | |
| 115.600 | -.4854 | -.6090 | -.5983 | -.2890 | | .2957 | |
| 133.800 | -.5022 | -.5212 | -.5365 | -.2015 | | .2948 | |
| 149.100 | -.5640 | -.5708 | -.5579 | -.3464 | | .2957 | |
| 180.000 | -.5128 | -.3137 | -.4184 | -.3428 | .2619 | .2975 | .3094 |

0A172 TAILCONE PRESSURES GEAR ON (CFG112) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = -10.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

BETA ( 1) = .000 ALPHA ( 1) = .900 Q(PSF) = 61.194 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.3011 | -.3003 | -.2612 | -.1156 | .1120 | .0872 | .1634 |
| 44.800 | -.2827 | -.3057 | -.2420 | -.1532 | .1166 | .1533 | |
| 50.100 | -.1921 | -.4846 | -.2673 | -.1826 | .1166 | .1524 | |
| 101.400 | -.3595 | -.4278 | -.4669 | -.2844 | | .1460 | |
| 115.600 | -.4063 | -.5046 | -.5023 | -.2651 | | .1542 | |
| 133.800 | -.4209 | -.4454 | -.5130 | -.2037 | | .1597 | |
| 149.100 | -.4439 | -.4646 | -.4485 | -.2486 | | .1552 | |
| 180.000 | -.4178 | -.3042 | -.3917 | -.3009 | .1423 | .1588 | .1634 |

BETA ( 1) = .000 ALPHA ( 2) = 1.980 Q(PSF) = 61.194 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2955 | -.2962 | -.2578 | -.1085 | .1149 | .0901 | .1665 |
| 44.800 | -.2770 | -.3047 | -.2416 | -.1563 | .1204 | .1573 | |
| 50.100 | -.2063 | -.4916 | -.2693 | -.1847 | .1195 | .1591 | |
| 101.400 | -.3570 | -.4239 | -.4669 | -.2895 | | .1527 | |
| 115.600 | -.4077 | -.5077 | -.5046 | -.2665 | | .1591 | |
| 133.800 | -.4170 | -.4431 | -.5039 | -.1958 | | .1619 | |
| 149.100 | -.4408 | -.4593 | -.4347 | -.2298 | | .1628 | |
| 180.000 | -.4100 | -.2947 | -.3777 | -.2840 | .1444 | .1628 | .1665 |

BETA ( 1) = .000 ALPHA ( 3) = 4.140 Q(PSF) = 61.194 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2837 | -.2844 | -.2506 | -.1102 | .1231 | .1001 | .1773 |
| 44.800 | -.2660 | -.2967 | -.2399 | -.1598 | .1258 | .1681 | |
| 50.100 | -.2145 | -.4957 | -.2706 | -.1864 | .1268 | .1672 | |
| 101.400 | -.3474 | -.4189 | -.4634 | -.2938 | | .1654 | |
| 115.600 | -.4066 | -.5111 | -.5020 | -.2773 | | .1691 | |
| 133.800 | -.4166 | -.4381 | -.4888 | -.1827 | | .1709 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG112)

BETA ( 1) = .000 ALPHA ( 3) = 4.140

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4381 | -.4512 | -.4120 | -.2038 | | .1718 | |
| 180.000 | -.3997 | -.2829 | -.3645 | -.2562 | .1507 | .1718 | .1773 |

BETA ( 1) = .000 ALPHA ( 4) = 6.310 Q(PSF) = 61.194 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2713 | -.2720 | -.2413 | -.1102 | .1332 | .1157 | .1929 |
| 44.800 | -.2505 | -.2912 | -.2375 | -.1606 | .1350 | .1810 | |
| 50.100 | -.2183 | -.4932 | -.2644 | -.1845 | .1341 | .1828 | |
| 101.400 | -.3412 | -.4157 | -.4671 | -.3010 | | .1874 | |
| 115.600 | -.4134 | -.5201 | -.5140 | -.2882 | | .1855 | |
| 133.800 | -.4149 | -.4341 | -.4702 | -.1735 | | .1846 | |
| 149.100 | -.4356 | -.4441 | -.3918 | -.1817 | | .1828 | |
| 180.000 | -.4295 | -.2667 | -.3579 | -.2552 | .1635 | .1828 | .1929 |

BETA ( 1) = .000 ALPHA ( 5) = 8.480 Q(PSF) = 61.194 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2629 | -.2636 | -.2367 | -.1084 | .1378 | .1258 | .2049 |
| 44.800 | -.2429 | -.2851 | -.2298 | -.1588 | .1396 | .1893 | |
| 50.100 | -.2222 | -.4641 | -.2567 | -.1790 | .1414 | .1920 | |
| 101.400 | -.3343 | -.4096 | -.4672 | -.3029 | | .2003 | |
| 115.600 | -.4157 | -.5271 | -.5217 | -.2992 | | .2003 | |
| 133.800 | -.4103 | -.4280 | -.4518 | -.1698 | | .1893 | |
| 149.100 | -.4311 | -.4349 | -.3727 | -.1680 | | .1893 | |
| 180.000 | -.4441 | -.2467 | -.3506 | -.2607 | .1699 | .1865 | .2049 |

0A172 TAILCONE PRESSURES GEAR ON (CFG112)

BETA ( 1) = .000 ALPHA ( 6) = 10.610 Q(PSF) = 61.194 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2549 | -.2549 | -.2318 | -.1067 | .1445 | .1334 | .2145 |
| 44.800 | -.2341 | -.2726 | -.2141 | -.1499 | .1472 | .1997 | |
| 50.100 | -.2210 | -.4219 | -.2387 | -.1711 | .1472 | .2006 | |
| 101.400 | -.3280 | -.4065 | -.4726 | -.3099 | | .2108 | |
| 115.600 | -.4188 | -.5365 | -.5342 | -.3127 | | .2089 | |
| 133.800 | -.4126 | -.4280 | -.4395 | -.1665 | | .1960 | |
| 149.100 | -.4280 | -.4288 | -.3641 | -.1701 | | .1933 | |
| 180.000 | -.4719 | -.2410 | -.3549 | -.2648 | .1712 | .1933 | .2145 |

BETA ( 1) = .000 ALPHA ( 7) = 12.820 Q(PSF) = 61.194 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2540 | -.2532 | -.2294 | -.1021 | .1582 | .1453 | .2264 |
| 44.800 | -.2317 | -.2463 | -.1963 | -.1352 | .1601 | .2162 | |
| 50.100 | -.2186 | -.3748 | -.2132 | -.1526 | .1610 | .2153 | |
| 101.400 | -.3248 | -.4055 | -.4771 | -.3125 | | .2227 | |
| 115.600 | -.4186 | -.5394 | -.5425 | -.3181 | | .2217 | |
| 133.800 | -.4155 | -.4279 | -.4325 | -.1637 | | .2107 | |
| 149.100 | -.4286 | -.4294 | -.3709 | -.1839 | | .2070 | |
| 180.000 | -.4694 | -.2417 | -.3502 | -.2657 | .1831 | .2070 | .2264 |

BETA ( 1) = .000 ALPHA ( 8) = 14.940 Q(PSF) = 61.194 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2439 | -.2431 | -.2224 | -.0999 | .1723 | .1622 | .2429 |
| 44.800 | -.2240 | -.2117 | -.1672 | -.1191 | .1714 | .2329 | |
| 50.100 | -.2171 | -.3083 | -.1772 | -.1273 | .1714 | .2301 | |
| 101.400 | -.3266 | -.4102 | -.4845 | -.3096 | | .2347 | |
| 115.600 | -.4102 | -.5359 | -.5474 | -.3270 | | .2384 | |
| 133.800 | -.4224 | -.4293 | -.4385 | -.1676 | | .2283 | |
| 149.100 | -.4278 | -.4303 | -.3849 | -.2061 | | .2264 | |
| 180.000 | -.4654 | -.2454 | -.3489 | -.2720 | .1925 | .2274 | .2429 |

OA172 TAILCONE PRESSURES GEAR ON (CFG112)

BETA ( 1) = .000 ALPHA ( 9) = 17.140 Q(PSF) = 61.194 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2341 | -.2326 | -.2149 | -.0920 | .1850 | .1804 | .2679 |
| 44.800 | -.2180 | -.1872 | -.1464 | -.1031 | .1850 | .2523 | |
| 50.100 | -.2149 | -.2557 | -.1503 | -.1058 | .1841 | .2523 | |
| 101.400 | -.3380 | -.4219 | -.4935 | -.3026 | | .2532 | |
| 115.600 | -.4119 | -.5420 | -.5620 | -.3366 | | .2587 | |
| 133.800 | -.4312 | -.4419 | -.4566 | -.1766 | | .2550 | |
| 149.100 | -.4389 | -.4466 | -.4166 | -.2355 | | .2523 | |
| 180.000 | -.4666 | -.2572 | -.3559 | -.2860 | .2145 | .2532 | .2679 |

BETA ( 1) = .000 ALPHA (10) = 19.320 Q(PSF) = 61.194 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2299 | -.2276 | -.2085 | -.0767 | .1853 | .1890 | .2904 |
| 44.800 | -.2192 | -.1620 | -.1238 | -.0830 | .1853 | .2639 | |
| 50.100 | -.2139 | -.2024 | -.1139 | -.0830 | .1862 | .2611 | |
| 101.400 | -.3474 | -.4291 | -.4894 | -.2773 | | .2721 | |
| 115.600 | -.4192 | -.5550 | -.5802 | -.3347 | | .2757 | |
| 133.800 | -.4390 | -.4543 | -.4802 | -.1906 | | .2748 | |
| 149.100 | -.4802 | -.4917 | -.4733 | -.2809 | | .2748 | |
| 180.000 | -.4764 | -.2696 | -.3785 | -.3119 | .2374 | .2766 | .2904 |

BETA ( 1) = .000 ALPHA (11) = 21.500 Q(PSF) = 61.194 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2338 | -.2300 | -.2048 | -.0484 | .1826 | .1918 | .3106 |
| 44.800 | -.2285 | -.1422 | -.1017 | -.0539 | .1899 | .2658 | |
| 50.100 | -.2155 | -.1544 | -.0689 | -.0539 | .1927 | .2667 | |
| 101.400 | -.3499 | -.4262 | -.4690 | -.2455 | | .2950 | |
| 115.600 | -.4453 | -.5804 | -.6011 | -.3239 | | .2969 | |
| 133.800 | -.4583 | -.4804 | -.5155 | -.2026 | | .2941 | |
| 149.100 | -.5713 | -.5759 | -.5377 | -.3139 | | .2950 | |
| 180.000 | -.4819 | -.2880 | -.4015 | -.3367 | .2612 | .2969 | .3106 |

0A172 TAILCONE PRESSURES GEAR ON (CF0113) ( 27 FEB 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | -5.000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | .000 | BDFLAP = | -11.700 |
| H/BW = | .125 | | |

BETA ( 1) = .000 ALPHA ( 1) = 1.020 Q(PSF) = 61.125 PO = 2124.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2886 | -.2871 | -.2457 | -.0862 | .1266 | .1000 | .1762 |
| 44.800 | -.2671 | -.2932 | -.2227 | -.1376 | .1275 | .1624 | |
| 50.100 | -.2027 | -.4229 | -.2710 | -.1761 | .1284 | .1642 | |
| 101.400 | -.3822 | -.4421 | -.4758 | -.2870 | | .1606 | |
| 115.600 | -.4214 | -.5126 | -.5050 | -.2613 | | .1688 | |
| 133.800 | -.4290 | -.4528 | -.5234 | -.2155 | | .1697 | |
| 149.100 | -.4497 | -.4728 | -.4589 | -.2595 | | .1688 | |
| 180.000 | -.4352 | -.3078 | -.3988 | -.3090 | .1459 | .1688 | .1762 |

BETA ( 1) = .000 ALPHA ( 2) = 2.090 Q(PSF) = 61.125 PO = 2124.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2842 | -.2842 | -.2442 | -.0801 | .1298 | .1040 | .1804 |
| 44.800 | -.2611 | -.2934 | -.2234 | -.1362 | .1316 | .1703 | |
| 50.100 | -.2142 | -.4289 | -.2757 | -.1785 | .1316 | .1703 | |
| 101.400 | -.3766 | -.4412 | -.4789 | -.2907 | | .1648 | |
| 115.600 | -.4189 | -.5190 | -.5113 | -.2677 | | .1712 | |
| 133.800 | -.4289 | -.4528 | -.5213 | -.2088 | | .1731 | |
| 149.100 | -.4512 | -.4712 | -.4482 | -.2447 | | .1740 | |
| 180.000 | -.4304 | -.3004 | -.3909 | -.2962 | .1491 | .1758 | .1804 |

BETA ( 1) = .000 ALPHA ( 3) = 4.240 Q(PSF) = 61.125 PO = 2124.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2709 | -.2702 | -.2333 | -.0835 | .1339 | .1109 | .1871 |
| 44.800 | -.2464 | -.2901 | -.2218 | -.1366 | .1357 | .1734 | |
| 50.100 | -.2180 | -.4220 | -.2671 | -.1788 | .1366 | .1752 | |
| 101.400 | -.3660 | -.4335 | -.4742 | -.2951 | | .1697 | |
| 115.600 | -.4151 | -.5171 | -.5095 | -.2750 | | .1761 | |
| 133.800 | -.4251 | -.4481 | -.5041 | -.1934 | | .1789 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG113)

BETA ( 1) = .000 ALPHA ( 3) = 4.240

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4450 | -.4619 | -.4259 | -.2154 | | .1798 | |
| 180.000 | -.4282 | -.2924 | -.3684 | -.2677 | .1541 | .1807 | .1871 |

BETA ( 1) = .000 ALPHA ( 4) = 6.390 Q(PSF) = 61.125 PO = 2124.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2616 | -.2616 | -.2255 | -.0800 | .1425 | .1269 | .2061 |
| 44.800 | -.2378 | -.2824 | -.2147 | -.1351 | .1444 | .1895 | |
| 50.100 | -.2186 | -.4124 | -.2578 | -.1774 | .1435 | .1913 | |
| 101.400 | -.3593 | -.4262 | -.4716 | -.2959 | | .1858 | |
| 115.600 | -.4147 | -.5177 | -.5116 | -.2840 | | .1913 | |
| 133.800 | -.4232 | -.4408 | -.4839 | -.1829 | | .1932 | |
| 149.100 | -.4424 | -.4531 | -.4047 | -.1949 | | .1941 | |
| 180.000 | -.4462 | -.2755 | -.3639 | -.2647 | .1674 | .1941 | .2061 |

BETA ( 1) = .000 ALPHA ( 5) = 8.560 Q(PSF) = 61.125 PO = 2124.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2535 | -.2527 | -.2196 | -.0737 | .1492 | .1372 | .2201 |
| 44.800 | -.2288 | -.2712 | -.2057 | -.1279 | .1510 | .1998 | |
| 50.100 | -.2188 | -.3890 | -.2389 | -.1666 | .1519 | .2008 | |
| 101.400 | -.3520 | -.4213 | -.4721 | -.2990 | | .2008 | |
| 115.600 | -.4183 | -.5245 | -.5191 | -.2908 | | .2008 | |
| 133.800 | -.4190 | -.4352 | -.4668 | -.1776 | | .1989 | |
| 149.100 | -.4414 | -.4467 | -.3875 | -.1794 | | .1989 | |
| 180.000 | -.4691 | -.2566 | -.3607 | -.2696 | .1750 | .1980 | .2201 |

OA172 TAILCONE PRESSURES GEAR ON (CFG113)

BETA ( 1) = .000 ALPHA ( 6) = 10.770 Q(PSF) = 61.125 PO = 2124.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2430 | -.2437 | -.2115 | -.0671 | .1571 | .1461 | .2279 |
| 44.800 | -.2207 | -.2560 | -.1861 | -.1166 | .1599 | .2114 | |
| 50.100 | -.2161 | -.3613 | -.2207 | -.1515 | .1608 | .2095 | |
| 101.400 | -.3436 | -.4151 | -.4727 | -.3021 | | .2132 | |
| 115.600 | -.4197 | -.5303 | -.5249 | -.2975 | | .2132 | |
| 133.800 | -.4174 | -.4335 | -.4519 | -.1745 | | .2068 | |
| 149.100 | -.4373 | -.4389 | -.3759 | -.1745 | | .2049 | |
| 180.000 | -.4781 | -.2499 | -.3553 | -.2672 | .1810 | .2049 | .2279 |

BETA ( 1) = .000 ALPHA ( 7) = 12.880 Q(PSF) = 61.125 PO = 2124.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2457 | -.2457 | -.2149 | -.0626 | .1666 | .1556 | .2394 |
| 44.800 | -.2234 | -.2341 | -.1649 | -.1040 | .1694 | .2237 | |
| 50.100 | -.2164 | -.3080 | -.1903 | -.1279 | .1712 | .2228 | |
| 101.400 | -.3350 | -.4104 | -.4758 | -.3008 | | .2237 | |
| 115.600 | -.4166 | -.5320 | -.5305 | -.3054 | | .2246 | |
| 133.800 | -.4204 | -.4350 | -.4389 | -.1693 | | .2182 | |
| 149.100 | -.4327 | -.4358 | -.3773 | -.1849 | | .2164 | |
| 180.000 | -.4843 | -.2495 | -.3523 | -.2686 | .1906 | .2182 | .2394 |

BETA ( 1) = .000 ALPHA ( 8) = 15.060 Q(PSF) = 61.125 PO = 2124.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2374 | -.2366 | -.2089 | -.0608 | .1796 | .1695 | .2543 |
| 44.800 | -.2181 | -.1981 | -.1388 | -.0875 | .1796 | .2386 | |
| 50.100 | -.2150 | -.2435 | -.1580 | -.0994 | .1805 | .2377 | |
| 101.400 | -.3359 | -.4114 | -.4753 | -.2908 | | .2386 | |
| 115.600 | -.4114 | -.5308 | -.5354 | -.3101 | | .2414 | |
| 133.800 | -.4291 | -.4360 | -.4384 | -.1703 | | .2358 | |
| 149.100 | -.4330 | -.4353 | -.3868 | -.2016 | | .2349 | |
| 180.000 | -.4923 | -.2528 | -.3479 | -.2687 | .2026 | .2349 | .2543 |

OA172 TAILCONE PRESSURES GEAR ON (CFG113)

BETA ( 1) = .000 ALPHA ( 9) = 17.230 Q(PSF) = 61.125 PO = 2124.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2271 | -.2233 | -.2025 | -.0570 | .1886 | .1859 | .2752 |
| 44.800 | -.2102 | -.1656 | -.1179 | -.0754 | .1868 | .2577 | |
| 50.100 | -.2117 | -.1863 | -.1194 | -.0800 | .1859 | .2568 | |
| 101.400 | -.3356 | -.4110 | -.4710 | -.2684 | | .2595 | |
| 115.600 | -.4063 | -.5333 | -.5456 | -.3153 | | .2623 | |
| 133.800 | -.4387 | -.4433 | -.4525 | -.1729 | | .2595 | |
| 149.100 | -.4363 | -.4433 | -.4117 | -.2335 | | .2586 | |
| 180.000 | -.4802 | -.2617 | -.3558 | -.2795 | .2254 | .2604 | .2752 |

BETA ( 1) = .000 ALPHA (10) = 19.410 Q(PSF) = 61.125 PO = 2124.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2344 | -.2321 | -.2075 | -.0478 | .1883 | .1911 | .2986 |
| 44.800 | -.2190 | -.1530 | -.1069 | -.0634 | .1901 | .2683 | |
| 50.100 | -.2129 | -.1661 | -.0862 | -.0707 | .1911 | .2674 | |
| 101.400 | -.3450 | -.4164 | -.4594 | -.2359 | | .2811 | |
| 115.600 | -.4226 | -.5523 | -.5646 | -.3093 | | .2830 | |
| 133.800 | -.4494 | -.4625 | -.4786 | -.1827 | | .2811 | |
| 149.100 | -.4686 | -.4848 | -.4648 | -.2781 | | .2830 | |
| 180.000 | -.4894 | -.2766 | -.3799 | -.3038 | .2508 | .2848 | .2986 |

BETA ( 1) = .000 ALPHA (11) = 21.610 Q(PSF) = 61.125 PO = 2124.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2519 | -.2473 | -.2136 | -.0257 | .1802 | .1885 | .3148 |
| 44.800 | -.2350 | -.1394 | -.0897 | -.0439 | .1876 | .2681 | |
| 50.100 | -.2190 | -.1539 | -.0568 | -.0531 | .1903 | .2672 | |
| 101.400 | -.3398 | -.4064 | -.4293 | -.2021 | | .2956 | |
| 115.600 | -.4500 | -.5793 | -.5793 | -.2880 | | .2993 | |
| 133.800 | -.4691 | -.4875 | -.5127 | -.1883 | | .2993 | |
| 149.100 | -.5586 | -.5632 | -.5403 | -.3191 | | .2984 | |
| 180.000 | -.4959 | -.2916 | -.3995 | -.3282 | .2663 | .3011 | .3148 |

OA172 TAILCONE PRESSURES GEAR ON (CFG114) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

BETA ( 1) = .000 ALPHA ( 1) = 1.230 Q(PSF) = 61.054 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2560 | -.2553 | -.2076 | -.0469 | .1452 | .1176 | .1930 |
| 44.800 | -.2322 | -.2653 | -.1961 | -.1056 | .1489 | .1764 | |
| 50.100 | -.6210 | -.4120 | -.2722 | -.1736 | .1535 | .1792 | |
| 101.400 | -.4097 | -.4651 | -.4896 | -.2810 | | .1792 | |
| 115.600 | -.4505 | -.5419 | -.5250 | -.2654 | | .1829 | |
| 133.800 | -.4497 | -.4750 | -.5550 | -.2397 | | .1875 | |
| 149.100 | -.4674 | -.4935 | -.4858 | -.2874 | | .1875 | |
| 180.000 | -.4697 | -.3275 | -.4196 | -.3324 | .1571 | .1875 | .1930 |

BETA ( 1) = .000 ALPHA ( 2) = 2.310 Q(PSF) = 61.054 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2519 | -.2519 | -.2034 | -.0424 | .1436 | .1187 | .1915 |
| 44.800 | -.2304 | -.2650 | -.1942 | -.1058 | .1482 | .1786 | |
| 50.100 | -.5437 | -.4159 | -.2742 | -.1794 | .1537 | .1786 | |
| 101.400 | -.4067 | -.4629 | -.4898 | -.2852 | | .1795 | |
| 115.600 | -.4452 | -.5414 | -.5237 | -.2687 | | .1842 | |
| 133.800 | -.4475 | -.4706 | -.5452 | -.2300 | | .1851 | |
| 149.100 | -.4659 | -.4875 | -.4698 | -.2696 | | .1851 | |
| 180.000 | -.4698 | -.3120 | -.4085 | -.3165 | .1593 | .1869 | .1915 |

BETA ( 1) = .000 ALPHA ( 3) = 4.470 Q(PSF) = 61.054 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2411 | -.2411 | -.1949 | -.0359 | .1491 | .1251 | .1988 |
| 44.800 | -.2203 | -.2618 | -.1833 | -.0984 | .1546 | .1832 | |
| 50.100 | -.4789 | -.4011 | -.2657 | -.1766 | .1583 | .1822 | |
| 101.400 | -.3981 | -.4519 | -.4835 | -.2860 | | .1878 | |
| 115.600 | -.4350 | -.5312 | -.5181 | -.2695 | | .1905 | |
| 133.800 | -.4427 | -.4650 | -.5297 | -.2115 | | .1924 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG114)

BETA ( 1) = .000 ALPHA ( 3) = 4.470

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4642 | -.4804 | -.4488 | -.2401 | | .1924 | |
| 180.000 | -.4558 | -.3095 | -.3881 | -.2869 | .1647 | .1942 | .1988 |

BETA ( 1) = .000 ALPHA ( 4) = 6.640 Q(PSF) = 61.054 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2327 | -.2312 | -.1873 | -.0295 | .1575 | .1390 | .2156 |
| 44.800 | -.2150 | -.2535 | -.1696 | -.0893 | .1639 | .1971 | |
| 50.100 | -.4260 | -.3752 | -.2535 | -.1611 | .1649 | .1990 | |
| 101.400 | -.3860 | -.4422 | -.4746 | -.2816 | | .2026 | |
| 115.600 | -.4276 | -.5261 | -.5131 | -.2715 | | .2054 | |
| 133.800 | -.4398 | -.4584 | -.5100 | -.1951 | | .2073 | |
| 149.100 | -.4607 | -.4715 | -.4283 | -.2144 | | .2063 | |
| 180.000 | -.4799 | -.2920 | -.3791 | -.2807 | .1824 | .2073 | .2156 |

BETA ( 1) = .000 ALPHA ( 5) = 8.750 Q(PSF) = 61.054 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2369 | -.2361 | -.1906 | -.0222 | .1632 | .1475 | .2325 |
| 44.800 | -.2223 | -.2454 | -.1559 | -.0784 | .1697 | .2112 | |
| 50.100 | -.3842 | -.3333 | -.2361 | -.1364 | .1715 | .2094 | |
| 101.400 | -.3757 | -.4351 | -.4721 | -.2811 | | .2140 | |
| 115.600 | -.4235 | -.5269 | -.5145 | -.2774 | | .2158 | |
| 133.800 | -.4359 | -.4528 | -.4898 | -.1889 | | .2158 | |
| 149.100 | -.4575 | -.4644 | -.4096 | -.1963 | | .2158 | |
| 180.000 | -.4906 | -.2685 | -.3797 | -.2829 | .1946 | .2158 | .2325 |

0A172 TAILCONE PRESSURES GEAR ON (CFG114)

BETA ( 1) = .000 ALPHA ( 6) = 10.920 Q(PSF) = 61.054 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2354 | -.2339 | -.1907 | -.0102 | .1734 | .1559 | .2464 |
| 44.800 | -.2246 | -.2254 | -.1367 | -.0673 | .1762 | .2233 | |
| 50.100 | -.3519 | -.2886 | -.2130 | -.1060 | .1799 | .2223 | |
| 101.400 | -.3627 | -.4259 | -.4707 | -.2811 | | .2270 | |
| 115.600 | -.4236 | -.5277 | -.5200 | -.2821 | | .2288 | |
| 133.800 | -.4336 | -.4475 | -.4722 | -.1862 | | .2260 | |
| 149.100 | -.4560 | -.4591 | -.3982 | -.1881 | | .2260 | |
| 180.000 | -.4946 | -.2655 | -.3733 | -.2793 | .2030 | .2279 | .2464 |

BETA ( 1) = .000 ALPHA ( 7) = 13.080 Q(PSF) = 61.054 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2267 | -.2251 | -.1874 | -.0102 | .1843 | .1659 | .2572 |
| 44.800 | -.2159 | -.1889 | -.1157 | -.0590 | .1861 | .2350 | |
| 50.100 | -.3245 | -.2567 | -.1797 | -.0792 | .1871 | .2350 | |
| 101.400 | -.3484 | -.4116 | -.4594 | -.2698 | | .2415 | |
| 115.600 | -.4201 | -.5264 | -.5179 | -.2818 | | .2433 | |
| 133.800 | -.4339 | -.4463 | -.4540 | -.1786 | | .2396 | |
| 149.100 | -.4486 | -.4509 | -.3893 | -.1888 | | .2396 | |
| 180.000 | -.5141 | -.2583 | -.3572 | -.2689 | .2083 | .2406 | .2572 |

BETA ( 1) = .000 ALPHA ( 8) = 15.240 Q(PSF) = 61.054 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2161 | -.2146 | -.1822 | -.0148 | .1992 | .1817 | .2749 |
| 44.800 | -.1991 | -.1544 | -.1004 | -.0526 | .1992 | .2528 | |
| 50.100 | -.2979 | -.2277 | -.1467 | -.0636 | .2011 | .2528 | |
| 101.400 | -.3364 | -.3997 | -.4490 | -.2553 | | .2611 | |
| 115.600 | -.4112 | -.5215 | -.5192 | -.2839 | | .2611 | |
| 133.800 | -.4351 | -.4452 | -.4390 | -.1742 | | .2583 | |
| 149.100 | -.4428 | -.4467 | -.3889 | -.1972 | | .2583 | |
| 180.000 | -.5138 | -.2624 | -.3539 | -.2673 | .2242 | .2602 | .2749 |

0A172 TAILCONE PRESSURES GEAR ON (CFG114)

BETA ( 1) = .000 ALPHA ( 9) = 17.430 Q(PSF) = 61.054 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2172 | -.2156 | -.1833 | -.0138 | .2108 | .1951 | .2937 |
| 44.800 | -.1979 | -.1379 | -.0887 | -.0414 | .2126 | .2688 | |
| 50.100 | -.2772 | -.2233 | -.1271 | -.0534 | .2135 | .2679 | |
| 101.400 | -.3326 | -.3949 | -.4372 | -.2290 | | .2799 | |
| 115.600 | -.4119 | -.5304 | -.5288 | -.2869 | | .2808 | |
| 133.800 | -.4534 | -.4519 | -.4503 | -.1766 | | .2762 | |
| 149.100 | -.4411 | -.4473 | -.4080 | -.2253 | | .2771 | |
| 180.000 | -.5042 | -.2741 | -.3605 | -.2786 | .2403 | .2780 | .2937 |

BETA ( 1) = .000 ALPHA (10) = 19.600 Q(PSF) = 61.054 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2410 | -.2371 | -.1996 | .0026 | .2119 | .1954 | .3101 |
| 44.800 | -.2180 | -.1321 | -.0776 | -.0248 | .2193 | .2780 | |
| 50.100 | -.2671 | -.2295 | -.1060 | -.0431 | .2220 | .2762 | |
| 101.400 | -.3407 | -.3959 | -.4197 | -.1998 | | .2964 | |
| 115.600 | -.4342 | -.5516 | -.5478 | -.2805 | | .3000 | |
| 133.800 | -.4780 | -.4803 | -.4787 | -.1870 | | .2964 | |
| 149.100 | -.4611 | -.4726 | -.4488 | -.2713 | | .2982 | |
| 180.000 | -.5048 | -.2901 | -.3867 | -.3024 | .2560 | .2982 | .3101 |

BETA ( 1) = .000 ALPHA (11) = 21.780 Q(PSF) = 61.054 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2631 | -.2578 | -.2119 | .0136 | .1883 | .1874 | .3182 |
| 44.800 | -.2364 | -.1186 | -.0621 | -.0119 | .1966 | .2725 | |
| 50.100 | -.2639 | -.2111 | -.0797 | -.0311 | .2021 | .2716 | |
| 101.400 | -.3525 | -.4045 | -.4152 | -.1864 | | .3027 | |
| 115.600 | -.4924 | -.6132 | -.5872 | -.2603 | | .3064 | |
| 133.800 | -.5169 | -.5291 | -.5345 | -.1946 | | .3064 | |
| 149.100 | -.5383 | -.5566 | -.5398 | -.3407 | | .3054 | |
| 180.000 | -.5238 | -.3174 | -.4202 | -.3398 | .2670 | .3073 | .3182 |

0A172 TAILCONE PRESSURES GEAR ON (CFG115) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 10.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

BETA ( 1) = .000 ALPHA ( 1) = 1.330 Q(PSF) = 61.066 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2751 | -.2751 | -.2198 | -.0322 | .1506 | .1148 | .1956 |
| 44.800 | -.2543 | -.2482 | -.2267 | -.1157 | .1580 | .1782 | |
| 50.100 | -.2006 | -.4133 | -.2436 | -.1753 | .1607 | .1828 | |
| 101.400 | -.4156 | -.4671 | -.4878 | -.2707 | | .1855 | |
| 115.600 | -.4632 | -.5523 | -.5308 | -.2652 | | .1892 | |
| 133.800 | -.4578 | -.4817 | -.5623 | -.2496 | | .1920 | |
| 149.100 | -.4770 | -.5008 | -.4916 | -.2973 | | .1892 | |
| 180.000 | -.4602 | -.3281 | -.4203 | -.3359 | .1539 | .1901 | .1956 |

BETA ( 1) = .000 ALPHA ( 2) = 2.420 Q(PSF) = 61.066 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2736 | -.2728 | -.2166 | -.0323 | .1464 | .1179 | .1934 |
| 44.800 | -.2543 | -.2520 | -.2266 | -.1169 | .1566 | .1805 | |
| 50.100 | -.2089 | -.4176 | -.2420 | -.1823 | .1612 | .1805 | |
| 101.400 | -.4153 | -.4669 | -.4869 | -.2743 | | .1842 | |
| 115.600 | -.4592 | -.5516 | -.5293 | -.2641 | | .1888 | |
| 133.800 | -.4538 | -.4777 | -.5531 | -.2365 | | .1907 | |
| 149.100 | -.4723 | -.4931 | -.4784 | -.2770 | | .1907 | |
| 180.000 | -.4607 | -.3167 | -.4132 | -.3212 | .1630 | .1898 | .1934 |

BETA ( 1) = .000 ALPHA ( 3) = 4.560 Q(PSF) = 61.066 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2637 | -.2629 | -.2084 | -.0248 | .1507 | .1231 | .2003 |
| 44.800 | -.2453 | -.2430 | -.2084 | -.1065 | .1590 | .1847 | |
| 50.100 | -.2130 | -.3997 | -.2291 | -.1690 | .1654 | .1856 | |
| 101.400 | -.4028 | -.4565 | -.4796 | -.2745 | | .1921 | |
| 115.600 | -.4435 | -.5372 | -.5203 | -.2635 | | .1921 | |
| 133.800 | -.4481 | -.4704 | -.5365 | -.2167 | | .1957 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG115)

BETA ( 1) = .000 ALPHA ( 3) = 4.560

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4681 | -.4865 | -.4573 | -.2461 | | .1948 | |
| 180.000 | -.4596 | -.3159 | -.3939 | -.2911 | .1672 | .1957 | .2003 |

BETA ( 1) = .000 ALPHA ( 4) = 6.730 Q(PSF) = 61.066 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2599 | -.2591 | -.2059 | -.0258 | .1576 | .1364 | .2175 |
| 44.800 | -.2444 | -.2437 | -.1874 | -.0894 | .1659 | .1991 | |
| 50.100 | -.2175 | -.3693 | -.2121 | -.1501 | .1733 | .1991 | |
| 101.400 | -.3939 | -.4479 | -.4702 | -.2717 | | .2074 | |
| 115.600 | -.4355 | -.5296 | -.5149 | -.2652 | | .2083 | |
| 133.800 | -.4456 | -.4656 | -.5195 | -.1998 | | .2092 | |
| 149.100 | -.4656 | -.4795 | -.4340 | -.2219 | | .2092 | |
| 180.000 | -.4748 | -.2953 | -.3886 | -.2882 | .1871 | .2102 | .2175 |

BETA ( 1) = .000 ALPHA ( 5) = 8.850 Q(PSF) = 61.066 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2546 | -.2546 | -.2016 | -.0120 | .1673 | .1461 | .2336 |
| 44.800 | -.2431 | -.2338 | -.1539 | -.0680 | .1728 | .2124 | |
| 50.100 | -.2200 | -.3253 | -.1862 | -.1185 | .1802 | .2133 | |
| 101.400 | -.3837 | -.4368 | -.4621 | -.2664 | | .2188 | |
| 115.600 | -.4299 | -.5236 | -.5106 | -.2664 | | .2207 | |
| 133.800 | -.4414 | -.4583 | -.5006 | -.1920 | | .2198 | |
| 149.100 | -.4644 | -.4721 | -.4183 | -.2039 | | .2207 | |
| 180.000 | -.4960 | -.2777 | -.3885 | -.2857 | .2013 | .2207 | .2336 |

0A172 TAILCONE PRESSURES GEAR ON (CFG115)

BETA ( 1) = .000 ALPHA ( 6) = 11.060 Q(PSF) = 61.066 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2443 | -.2428 | -.1935 | .0045 | .1778 | .1575 | .2515 |
| 44.800 | -.2382 | -.2066 | -.1195 | -.0470 | .1815 | .2257 | |
| 50.100 | -.2227 | -.2882 | -.1581 | -.0801 | .1852 | .2276 | |
| 101.400 | -.3675 | -.4230 | -.4538 | -.2605 | | .2349 | |
| 115.600 | -.4276 | -.5247 | -.5108 | -.2669 | | .2368 | |
| 133.800 | -.4384 | -.4507 | -.4769 | -.1850 | | .2340 | |
| 149.100 | -.4607 | -.4661 | -.4045 | -.1915 | | .2349 | |
| 180.000 | -.5085 | -.2690 | -.3801 | -.2798 | .2110 | .2349 | .2515 |

BETA ( 1) = .000 ALPHA ( 7) = 13.180 Q(PSF) = 61.066 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2285 | -.2262 | -.1845 | .0045 | .1919 | .1716 | .2648 |
| 44.800 | -.2246 | -.1591 | -.0966 | -.0397 | .1891 | .2418 | |
| 50.100 | -.2231 | -.2586 | -.1267 | -.0489 | .1910 | .2408 | |
| 101.400 | -.3481 | -.4067 | -.4437 | -.2498 | | .2519 | |
| 115.600 | -.4213 | -.5224 | -.5116 | -.2664 | | .2528 | |
| 133.800 | -.4398 | -.4522 | -.4607 | -.1789 | | .2510 | |
| 149.100 | -.4545 | -.4568 | -.3951 | -.1899 | | .2510 | |
| 180.000 | -.5201 | -.2678 | -.3613 | -.2692 | .2205 | .2501 | .2648 |

BETA ( 1) = .000 ALPHA ( 8) = 15.340 Q(PSF) = 61.066 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2245 | -.2207 | -.1837 | .0008 | .2029 | .1853 | .2813 |
| 44.800 | -.2183 | -.1320 | -.0834 | -.0305 | .2001 | .2592 | |
| 50.100 | -.2199 | -.1844 | -.0757 | -.0323 | .2019 | .2592 | |
| 101.400 | -.3363 | -.3949 | -.4373 | -.2414 | | .2693 | |
| 115.600 | -.4142 | -.5236 | -.5159 | -.2746 | | .2721 | |
| 133.800 | -.4512 | -.4597 | -.4504 | -.1788 | | .2675 | |
| 149.100 | -.4489 | -.4512 | -.3949 | -.1990 | | .2693 | |
| 180.000 | -.5113 | -.2692 | -.3584 | -.2709 | .2306 | .2693 | .2813 |

0A172 TAILCONE PRESSURES GEAR ON (CFG115)

BETA ( 1) = .000 ALPHA ( 9) = 17.520 Q(PSF) = 61.066 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2296 | -.2250 | -.1865 | .0109 | .2109 | .1925 | .2985 |
| 44.800 | -.2212 | -.1195 | -.0679 | -.0093 | .2109 | .2699 | |
| 50.100 | -.2219 | -.1442 | -.0394 | -.0102 | .2100 | .2699 | |
| 101.400 | -.3344 | -.3937 | -.4306 | -.2209 | | .2874 | |
| 115.600 | -.4191 | -.5307 | -.5292 | -.2788 | | .2884 | |
| 133.800 | -.4522 | -.4599 | -.4560 | -.1841 | | .2856 | |
| 149.100 | -.4507 | -.4576 | -.4114 | -.2218 | | .2856 | |
| 180.000 | -.5138 | -.2820 | -.3672 | -.2788 | .2469 | .2865 | .2985 |

BETA ( 1) = .000 ALPHA (10) = 19.690 Q(PSF) = 61.066 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2553 | -.2514 | -.2030 | .0293 | .2114 | .1912 | .3116 |
| 44.800 | -.2445 | -.1177 | -.0555 | .0127 | .2151 | .2730 | |
| 50.100 | -.2261 | -.1415 | -.0094 | .0118 | .2160 | .2730 | |
| 101.400 | -.3444 | -.3997 | -.4197 | -.1947 | | .2997 | |
| 115.600 | -.4458 | -.5595 | -.5518 | -.2746 | | .3034 | |
| 133.800 | -.4935 | -.4873 | -.4858 | -.1974 | | .2988 | |
| 149.100 | -.4666 | -.4766 | -.4512 | -.2654 | | .2988 | |
| 180.000 | -.5096 | -.3006 | -.3948 | -.3076 | .2620 | .2997 | .3 3 |

BETA ( 1) = .000 ALPHA (11) = 21.900 Q(PSF) = 61.066 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2793 | -.2724 | -.2181 | .0374 | .1967 | .1857 | .3211 |
| 44.800 | -.2625 | -.1172 | -.0506 | .0218 | .2067 | .2735 | |
| 50.100 | -.2388 | -.1478 | -.0162 | .0127 | .2095 | .2735 | |
| 101.400 | -.3619 | -.4162 | -.4116 | -.1846 | | .3102 | |
| 115.600 | -.5049 | -.6196 | -.5913 | -.2577 | | .3120 | |
| 133.800 | -.5347 | -.5416 | -.5416 | -.2056 | | .3102 | |
| 149.100 | -.5393 | -.5393 | -.5332 | -.3409 | | .3092 | |
| 180.000 | -.5278 | -.3252 | -.4304 | -.3445 | .2671 | .3102 | .3211 |

OA172 TAILCONE PRESSURES GEAR ON (CFG116) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = 5.000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

BETA ( 1) = .000 ALPHA ( 1) = 1.120 Q(PSF) = 61.058 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2513 | -.2505 | -.2137 | -.0670 | .1258 | .0863 | .1341 |
| 44.800 | -.2390 | -.2959 | -.2375 | -.1478 | .1424 | .1543 | |
| 50.100 | -.1952 | -.4702 | -.3151 | -.2240 | .1497 | .1580 | |
| 101.400 | -.4280 | -.4856 | -.5117 | -.3029 | | .1672 | |
| 115.600 | -.4648 | -.5578 | -.5378 | -.2735 | | .1653 | |
| 133.800 | -.4556 | -.4825 | -.5647 | -.2515 | | .1515 | |
| 149.100 | -.4694 | -.4963 | -.4925 | -.2983 | | .1497 | |
| 180.000 | -.4426 | -.3174 | -.4093 | -.3222 | .1433 | .1442 | .1341 |

BETA ( 1) = .000 ALPHA ( 2) = 2.200 Q(PSF) = 61.058 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2458 | -.2489 | -.2119 | -.0635 | .1298 | .0874 | .1436 |
| 44.800 | -.2366 | -.2974 | -.2389 | -.1491 | .1473 | .1519 | |
| 50.100 | -.2019 | -.4737 | -.3182 | -.2301 | .1501 | .1593 | |
| 101.400 | -.4267 | -.4837 | -.5145 | -.3073 | | .1685 | |
| 115.600 | -.4614 | -.5561 | -.5384 | -.2761 | | .1676 | |
| 133.800 | -.4552 | -.4791 | -.5523 | -.2411 | | .1519 | |
| 149.100 | -.4714 | -.4922 | -.4783 | -.2825 | | .1482 | |
| 180.000 | -.4498 | -.3136 | -.3993 | -.3101 | .1436 | .1418 | .1436 |

BETA ( 1) = .000 ALPHA ( 3) = 4.420 Q(PSF) = 61.058 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2372 | -.2365 | -.2034 | -.0589 | .1316 | .0911 | .1445 |
| 44.800 | -.2272 | -.2904 | -.2280 | -.1435 | .1491 | .1574 | |
| 50.100 | -.2041 | -.4566 | -.3134 | -.2291 | .1528 | .1565 | |
| 101.400 | -.4158 | -.4728 | -.5067 | -.3082 | | .1703 | |
| 115.600 | -.4474 | -.5421 | -.5305 | -.2760 | | .1675 | |
| 133.800 | -.4489 | -.4712 | -.5367 | -.2189 | | .1565 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG116)

BETA ( 1) = .000 ALPHA ( 3) = 4.420

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4635 | -.4797 | -.4520 | -.2465 | | .1528 | |
| 180.000 | -.4358 | -.2996 | -.3845 | -.2842 | .1519 | .1482 | .1445 |

BETA ( 1) = .000 ALPHA ( 4) = 6.530 Q(PSF) = 61.058 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2290 | -.2290 | -.1966 | -.0580 | .1336 | .0994 | .1631 |
| 44.800 | -.2190 | -.2860 | -.2166 | -.1354 | .1566 | .1603 | |
| 50.100 | -.2051 | -.4393 | -.3006 | -.2173 | .1594 | .1677 | |
| 101.400 | -.4023 | -.4609 | -.4971 | -.3047 | | .1714 | |
| 115.600 | -.4362 | -.5340 | -.5217 | -.2762 | | .1668 | |
| 133.800 | -.4431 | -.4632 | -.5179 | -.2026 | | .1649 | |
| 149.100 | -.4601 | -.4724 | -.4316 | -.2219 | | .1631 | |
| 180.000 | -.4632 | -.2767 | -.3775 | -.2771 | .1649 | .1649 | .1631 |

BETA ( 1) = .000 ALPHA ( 5) = 8.660 Q(PSF) = 61.058 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2370 | -.2362 | -.2038 | -.0554 | .1402 | .1051 | .1771 |
| 44.800 | -.2269 | -.2778 | -.2038 | -.1263 | .1596 | .1734 | |
| 50.100 | -.2077 | -.4043 | -.2856 | -.2000 | .1651 | .1762 | |
| 101.400 | -.3943 | -.4553 | -.4969 | -.3060 | | .1790 | |
| 115.600 | -.4313 | -.5301 | -.5208 | -.2802 | | .1734 | |
| 133.800 | -.4398 | -.4576 | -.5023 | -.1964 | | .1762 | |
| 149.100 | -.4576 | -.4661 | -.4159 | -.2056 | | .1744 | |
| 180.000 | -.4761 | -.2640 | -.3715 | -.2775 | .1734 | .1753 | .1771 |

OA172 TAILCONE PRESSURES GEAR ON (CFG116)

BETA ( 1) = .000 ALPHA ( 6) = 10.810 Q(PSF) = 61.058 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2358 | -.2358 | -.2019 | -.0488 | .1519 | .1215 | .1971 |
| 44.800 | -.2265 | -.2612 | -.1773 | -.1077 | .1704 | .1925 | |
| 50.100 | -.2096 | -.3490 | -.2604 | -.1656 | .1731 | .1952 | |
| 101.400 | -.3798 | -.4437 | -.4899 | -.3055 | | .1943 | |
| 115.600 | -.4306 | -.5322 | -.5214 | -.2834 | | .1897 | |
| 133.800 | -.4352 | -.4498 | -.4798 | -.1942 | | .1869 | |
| 149.100 | -.4544 | -.4598 | -.4028 | -.1951 | | .1869 | |
| 180.000 | -.4960 | -.2589 | -.3634 | -.2733 | .1860 | .1897 | .1971 |

BETA ( 1) = .000 ALPHA ( 7) = 13.000 Q(PSF) = 61.058 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2365 | -.2349 | -.2025 | -.0434 | .1626 | .1339 | .2069 |
| 44.800 | -.2272 | -.2334 | -.1492 | -.0905 | .1755 | .2088 | |
| 50.100 | -.2118 | -.3075 | -.2265 | -.1246 | .1810 | .2078 | |
| 101.400 | -.3647 | -.4319 | -.4836 | -.2972 | | .2143 | |
| 115.600 | -.4273 | -.5331 | -.5253 | -.2843 | | .2115 | |
| 133.800 | -.4412 | -.4535 | -.4705 | -.1929 | | .2032 | |
| 149.100 | -.4512 | -.4558 | -.3979 | -.1975 | | .2005 | |
| 180.000 | -.4921 | -.2581 | -.3590 | -.2723 | .1958 | .2023 | .2069 |

BETA ( 1) = .000 ALPHA ( 8) = 15.130 Q(PSF) = 61.058 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2228 | -.2204 | -.1927 | -.0405 | .1722 | .1510 | .2405 |
| 44.800 | -.2066 | -.1812 | -.1219 | -.0737 | .1815 | .2266 | |
| 50.100 | -.2097 | -.2559 | -.1858 | -.0847 | .1879 | .2285 | |
| 101.400 | -.3498 | -.4168 | -.4707 | -.2798 | | .2340 | |
| 115.600 | -.4176 | -.5262 | -.5231 | -.2862 | | .2322 | |
| 133.800 | -.4492 | -.4592 | -.4546 | -.1878 | | .2285 | |
| 149.100 | -.4423 | -.4469 | -.3930 | -.2016 | | .2257 | |
| 180.000 | -.4900 | -.2605 | -.3553 | -.2715 | .2110 | .2276 | .2405 |

OA172 TAILCONE PRESSURES GEAR ON (CFG116)

BETA ( 1) = .000 ALPHA ( 9) = 17.380 Q(PSF) = 61.058 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2167 | -.2121 | -.1884 | -.0366 | .1812 | .1656 | .2737 |
| 44.800 | -.1960 | -.1509 | -.1027 | -.0595 | .1867 | .2380 | |
| 50.100 | -.2083 | -.2159 | -.1455 | -.0668 | .1949 | .2407 | |
| 101.400 | -.3429 | -.4064 | -.4562 | -.2533 | | .2590 | |
| 115.600 | -.4149 | -.5296 | -.5304 | -.2917 | | .2590 | |
| 133.800 | -.4401 | -.4493 | -.4501 | -.1865 | | .2590 | |
| 149.100 | -.4386 | -.4462 | -.4049 | -.2249 | | .2554 | |
| 180.000 | -.4929 | -.2680 | -.3621 | -.2789 | .2279 | .2535 | .2737 |

BETA ( 1) = .000 ALPHA (10) = 19.500 Q(PSF) = 61.058 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2304 | -.2274 | -.1974 | -.0230 | .1909 | .1790 | .2994 |
| 44.800 | -.2089 | -.1383 | -.0892 | -.0395 | .1983 | .2543 | |
| 50.100 | -.2097 | -.2151 | -.1168 | -.0498 | .2056 | .2534 | |
| 101.400 | -.3494 | -.4085 | -.4384 | -.2192 | | .2911 | |
| 115.600 | -.4354 | -.5528 | -.5520 | -.2889 | | .2920 | |
| 133.800 | -.4799 | -.4776 | -.4730 | -.1954 | | .2874 | |
| 149.100 | -.4553 | -.4638 | -.4415 | -.2678 | | .2856 | |
| 180.000 | -.4891 | -.2842 | -.3797 | -.3045 | .2507 | .2819 | .2994 |

BETA ( 1) = .000 ALPHA (11) = 21.680 Q(PSF) = 61.058 PO = 2124.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2512 | -.2489 | -.2090 | -.0056 | .1836 | .1846 | .3105 |
| 44.800 | -.2267 | -.1207 | -.0677 | -.0166 | .1910 | .2636 | |
| 50.100 | -.2151 | -.1921 | -.0815 | -.0331 | .1974 | .2645 | |
| 101.400 | -.3587 | -.4124 | -.4293 | -.1991 | | .2985 | |
| 115.600 | -.4961 | -.6113 | -.5875 | -.2716 | | .3022 | |
| 133.800 | -.5199 | -.5291 | -.5353 | -.2037 | | .2994 | |
| 149.100 | -.5299 | -.5337 | -.5322 | -.3422 | | .2994 | |
| 180.000 | -.5061 | -.3088 | -.4064 | -.3395 | .2608 | .2967 | .3105 |

OA172 TAILCONE PRESSURES GEAR ON (CFG117) ( 27 FEB 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | 10.000 | RUDDER = | .000 |
| SPDBRK = | .000 | BDFLAP = | -11.700 |
| H/BW = | .125 | | |

BETA ( 1) = .000 ALPHA ( 1) = 1.110 Q(PSF) = 61.149 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2644 | -.2636 | -.2291 | -.0861 | .1044 | .0420 | .0943 |
| 44.800 | -.2697 | -.3325 | -.3241 | -.2224 | .1309 | .0979 | |
| 50.100 | -.2000 | -.5439 | -.3417 | -.2645 | .1374 | .1108 | |
| 101.400 | -.4543 | -.5148 | -.5355 | -.3121 | | .1328 | |
| 115.600 | -.5002 | -.5960 | -.5707 | -.2919 | | .0970 | |
| 133.800 | -.4727 | -.5002 | -.5914 | -.2755 | | .0714 | |
| 149.100 | -.4803 | -.5064 | -.5102 | -.3212 | | .0723 | |
| 180.000 | -.4336 | -.3310 | -.4127 | -.3285 | .1144 | .0787 | .0943 |

BETA ( 1) = .000 ALPHA ( 2) = 2.200 Q(PSF) = 61.149 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2608 | -.2616 | -.2279 | -.0834 | .1017 | .0412 | .1081 |
| 44.800 | -.2662 | -.3337 | -.3275 | -.2254 | .1311 | .0971 | |
| 50.100 | -.2125 | -.5407 | -.3459 | -.2666 | .1366 | .1072 | |
| 101.400 | -.4487 | -.5077 | -.5338 | -.3179 | | .1292 | |
| 115.600 | -.4893 | -.5782 | -.5591 | -.2868 | | .0925 | |
| 133.800 | -.4671 | -.4931 | -.5729 | -.2611 | | .0724 | |
| 149.100 | -.4770 | -.5016 | -.4954 | -.3014 | | .0769 | |
| 180.000 | -.4310 | -.3245 | -.4003 | -.3124 | .1146 | .0824 | .1081 |

BETA ( 1) = .000 ALPHA ( 3) = 4.330 Q(PSF) = 61.149 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2569 | -.2569 | -.2246 | -.0885 | .1014 | .0386 | .1097 |
| 44.800 | -.2608 | -.3294 | -.3209 | -.2249 | .1346 | .0977 | |
| 50.100 | -.2184 | -.5376 | -.3425 | -.2672 | .1392 | .1088 | |
| 101.400 | -.4436 | -.5014 | -.5315 | -.3207 | | .1235 | |
| 115.600 | -.4767 | -.5716 | -.5530 | -.2875 | | .0985 | |
| 133.800 | -.4667 | -.4875 | -.5584 | -.2396 | | .0838 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG117)

BETA ( 1) = .000 ALPHA ( 3) = 4.330

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4759 | -.4898 | -.4675 | -.2672 | | .0866 | |
| 180.000 | -.4358 | -.3071 | -.3907 | -.2921 | .1226 | .0949 | .1097 |

BETA ( 1) = .000 ALPHA ( 4) = 6.510 Q(PSF) = 61.149 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2455 | -.2448 | -.2186 | -.0910 | .1021 | .0422 | .1195 |
| 44.800 | -.2486 | -.3063 | -.3002 | -.2124 | .1389 | .0984 | |
| 50.100 | -.2217 | -.5063 | -.3232 | -.2611 | .1453 | .1103 | |
| 101.400 | -.4294 | -.4863 | -.5201 | -.3190 | | .1140 | |
| 115.600 | -.4601 | -.5524 | -.5401 | -.2840 | | .0809 | |
| 133.800 | -.4578 | -.4771 | -.5401 | -.2206 | | .0928 | |
| 149.100 | -.4694 | -.4824 | -.4448 | -.2399 | | .0965 | |
| 180.000 | -.4424 | -.2855 | -.3815 | -.2804 | .1315 | .1067 | .1195 |

BETA ( 1) = .000 ALPHA ( 5) = 8.680 Q(PSF) = 61.149 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2403 | -.2403 | -.2157 | -.0883 | .1104 | .0533 | .1381 |
| 44.800 | -.2395 | -.2788 | -.2657 | -.1822 | .1473 | .1169 | |
| 50.100 | -.2234 | -.4635 | -.2996 | -.2456 | .1528 | .1233 | |
| 101.400 | -.4204 | -.4789 | -.5128 | -.3164 | | .1288 | |
| 115.600 | -.4497 | -.5390 | -.5313 | -.2833 | | .1113 | |
| 133.800 | -.4566 | -.4735 | -.5267 | -.2125 | | .1104 | |
| 149.100 | -.4697 | -.4759 | -.4304 | -.2245 | | .1132 | |
| 180.000 | -.4558 | -.2796 | -.3780 | -.2815 | .1436 | .1169 | .1381 |

OA172 TAILCONE PRESSURES GEAR ON (CFG117)

BETA ( 1) = .000 ALPHA ( 6) = 10.820 Q(PSF) = 61.149 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2380 | -.2372 | -.2118 | -.0828 | .1215 | .0754 | .1491 |
| 44.800 | -.2396 | -.2757 | -.2280 | -.1454 | .1565 | .1445 | |
| 50.100 | -.2234 | -.4012 | -.2680 | -.2107 | .1629 | .1528 | |
| 101.400 | -.4043 | -.4651 | -.5059 | -.3127 | | .1537 | |
| 115.600 | -.4428 | -.5336 | -.5259 | -.2824 | | .1408 | |
| 133.800 | -.4489 | -.4628 | -.5059 | -.2107 | | .1399 | |
| 149.100 | -.4666 | -.4720 | -.4189 | -.2116 | | .1399 | |
| 180.000 | -.4697 | -.2734 | -.3725 | -.2787 | .1592 | .1445 | .1491 |

BETA ( 1) = .000 ALPHA ( 7) = 12.970 Q(PSF) = 61.149 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2332 | -.2325 | -.2071 | -.0745 | .1361 | .0965 | .1610 |
| 44.800 | -.2363 | -.2579 | -.1748 | -.1012 | .1647 | .1711 | |
| 50.100 | -.2225 | -.3509 | -.2186 | -.1572 | .1702 | .1785 | |
| 101.400 | -.3832 | -.4455 | -.4909 | -.3043 | | .1794 | |
| 115.600 | -.4340 | -.5263 | -.5225 | -.2813 | | .1683 | |
| 133.800 | -.4471 | -.4578 | -.4940 | -.2114 | | .1582 | |
| 149.100 | -.4609 | -.4663 | -.4109 | -.2087 | | .1573 | |
| 180.000 | -.4686 | -.2694 | -.3677 | -.2795 | .1748 | .1619 | .1610 |

BETA ( 1) = .000 ALPHA ( 8) = 15.120 Q(PSF) = 61.149 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2246 | -.2223 | -.1977 | -.0634 | .1535 | .1195 | .1793 |
| 44.800 | -.2223 | -.1977 | -.1262 | -.0726 | .1738 | .1995 | |
| 50.100 | -.2200 | -.2907 | -.1677 | -.0928 | .1802 | .2032 | |
| 101.400 | -.3653 | -.4299 | -.4806 | -.2912 | | .2096 | |
| 115.600 | -.4260 | -.5283 | -.5237 | -.2829 | | .2014 | |
| 133.800 | -.4591 | -.4652 | -.4921 | -.2159 | | .1839 | |
| 149.100 | -.4537 | -.4583 | -.4050 | -.2104 | | .1839 | |
| 180.000 | -.4737 | -.2692 | -.3674 | -.2829 | .1931 | .1793 | .1793 |

0A172 TAILCONE PRESSURES GEAR ON (CFG117)

BETA ( 1) = .000 ALPHA ( 9) = 17.300 Q(PSF) = 61.149 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2192 | -.2168 | -.1923 | -.0487 | .1626 | .1424 | .2307 |
| 44.800 | -.2115 | -.1415 | -.0962 | -.0515 | .1774 | .2252 | |
| 50.100 | -.2153 | -.2092 | -.1139 | -.0487 | .1856 | .2298 | |
| 101.400 | -.3559 | -.4197 | -.4681 | -.2672 | | .2381 | |
| 115.600 | -.4289 | -.5357 | -.5365 | -.2938 | | .2371 | |
| 133.800 | -.4888 | -.4935 | -.4919 | -.2130 | | .2252 | |
| 149.100 | -.4497 | -.4558 | -.4120 | -.2277 | | .2197 | |
| 180.000 | -.4796 | -.2760 | -.3719 | -.2929 | .2169 | .2197 | .2307 |

BETA ( 1) = .000 ALPHA (10) = 19.490 Q(PSF) = 61.149 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2393 | -.2347 | -.2010 | -.0266 | .1696 | .1577 | .2824 |
| 44.800 | -.2278 | -.1236 | -.0784 | -.0230 | .1778 | .2393 | |
| 50.100 | -.2171 | -.1335 | -.0584 | -.0165 | .1870 | .2393 | |
| 101.400 | -.3635 | -.4217 | -.4501 | -.2272 | | .2778 | |
| 115.600 | -.4486 | -.5605 | -.5566 | -.2904 | | .2815 | |
| 133.800 | -.4754 | -.4823 | -.4808 | -.2153 | | .2714 | |
| 149.100 | -.4562 | -.4662 | -.4371 | -.2638 | | .2668 | |
| 180.000 | -.4815 | -.2937 | -.3920 | -.3142 | .2412 | .2623 | .2824 |

BETA ( 1) = .000 ALPHA (11) = 21.680 Q(PSF) = 61.149 PO = 2124.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2649 | -.2618 | -.2167 | -.0037 | .1702 | .1610 | .3067 |
| 44.800 | -.2465 | -.1180 | -.0637 | -.0019 | .1794 | .2435 | |
| 50.100 | -.2297 | -.1157 | -.0354 | -.0010 | .1876 | .2444 | |
| 101.400 | -.3682 | -.4279 | -.4439 | -.2067 | | .2956 | |
| 115.600 | -.5051 | -.6207 | -.5970 | -.2688 | | .2993 | |
| 133.800 | -.5488 | -.5434 | -.5358 | -.2249 | | .2957 | |
| 149.100 | -.5090 | -.5189 | -.5174 | -.3438 | | .2929 | |
| 180.000 | -.5036 | -.3154 | -.4233 | -.3502 | .2563 | .2893 | .3067 |

OA172 TAILCONE PRESSURES GEAR ON (CFG118) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 25.000 BDFLAP = -11.700
H/BW = .125

BETA ( 1) = .000 ALPHA ( 1) = 1.130 Q(PSF) = 61.126 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2574 | -.2574 | -.2129 | -.0652 | .1331 | .1046 | .1745 |
| 44.800 | -.2321 | -.2781 | -.2098 | -.1276 | .1359 | .1635 | |
| 50.100 | -.1599 | -.4018 | -.2889 | -.1790 | .1368 | .1625 | |
| 101.400 | -.4041 | -.4640 | -.4962 | -.2964 | | .1598 | |
| 115.600 | -.4448 | -.5369 | -.5323 | -.2771 | | .1653 | |
| 133.800 | -.4494 | -.4801 | -.5746 | -.2542 | | .1616 | |
| 149.100 | -.4694 | -.5185 | -.5431 | -.3083 | | .1644 | |
| 180.000 | -.3872 | -.3803 | -.5036 | -.3414 | .1442 | .1644 | .1745 |

BETA ( 1) = .000 ALPHA ( 2) = 2.210 Q(PSF) = 61.126 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2547 | -.2563 | -.2101 | -.0690 | .1324 | .1103 | .1775 |
| 44.800 | -.2286 | -.2778 | -.2086 | -.1269 | .1361 | .1683 | |
| 50.100 | -.1732 | -.4063 | -.2894 | -.1820 | .1379 | .1674 | |
| 101.400 | -.3978 | -.4616 | -.4955 | -.2987 | | .1646 | |
| 115.600 | -.4386 | -.5370 | -.5316 | -.2794 | | .1656 | |
| 133.800 | -.4447 | -.4770 | -.5624 | -.2417 | | .1665 | |
| 149.100 | -.4655 | -.5116 | -.5239 | -.2859 | | .1628 | |
| 180.000 | -.3824 | -.3709 | -.4935 | -.3171 | .1416 | .1656 | .1775 |

BETA ( 1) = .000 ALPHA ( 3) = 4.350 Q(PSF) = 61.126 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2455 | -.2455 | -.2024 | -.0561 | .1361 | .1158 | .1886 |
| 44.800 | -.2201 | -.2732 | -.2047 | -.1250 | .1389 | .1738 | |
| 50.100 | -.1809 | -.3993 | -.2809 | -.1811 | .1416 | .1748 | |
| 101.400 | -.3885 | -.4508 | -.4900 | -.3014 | | .1729 | |
| 115.600 | -.4293 | -.5277 | -.5270 | -.2858 | | .1738 | |
| 133.800 | -.4408 | -.4677 | -.5462 | -.2261 | | .1757 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG11B)

BETA ( 1) = .000 ALPHA ( 3) = 4.350

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4616 | -.5016 | -.5016 | -.2573 | | .1720 | |
| 180.000 | -.3816 | -.3616 | -.4696 | -.2858 | .1462 | .1757 | .1886 |

BETA ( 1) = .000 ALPHA ( 4) = 6.550 Q(PSF) = 61.126 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2381 | -.2373 | -.1958 | -.0525 | .1473 | .1280 | .2008 |
| 44.800 | -.2135 | -.2643 | -.1934 | -.1141 | .1501 | .1851 | |
| 50.100 | -.1865 | -.3790 | -.2689 | -.1703 | .1519 | .1870 | |
| 101.400 | -.3783 | -.4422 | -.4830 | -.3000 | | .1888 | |
| 115.600 | -.4252 | -.5269 | -.5230 | -.2899 | | .1934 | |
| 133.800 | -.4368 | -.4645 | -.5269 | -.2135 | | .1953 | |
| 149.100 | -.4583 | -.4953 | -.4799 | -.2356 | | .1953 | |
| 180.000 | -.3983 | -.3436 | -.4628 | -.2871 | .1722 | .1953 | .2008 |

BETA ( 1) = .000 ALPHA ( 5) = 8.690 Q(PSF) = 61.126 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2311 | -.2304 | -.1911 | -.0461 | .1538 | .1427 | .2229 |
| 44.800 | -.2088 | -.2481 | -.1772 | -.1031 | .1584 | .2017 | |
| 50.100 | -.1888 | -.3543 | -.2504 | -.1537 | .1611 | .2026 | |
| 101.400 | -.3690 | -.4352 | -.4806 | -.3009 | | .2035 | |
| 115.600 | -.4221 | -.5283 | -.5268 | -.2981 | | .2054 | |
| 133.800 | -.4329 | -.4567 | -.5091 | -.2080 | | .2090 | |
| 149.100 | -.4560 | -.4868 | -.4629 | -.2172 | | .2090 | |
| 180.000 | -.4121 | -.3258 | -.4655 | -.2944 | .1851 | .2090 | .2229 |

OA172 TAILCONE PRESSURES GEAR ON (CFG118)

BETA ( 1) = .000 ALPHA ( 6) = 10.830 Q(PSF) = 61.126 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2365 | -.2349 | -.1942 | -.0378 | .1620 | .1500 | .2348 |
| 44.800 | -.2165 | -.2334 | -.1603 | -.0911 | .1675 | .2145 | |
| 50.100 | -.1926 | -.3119 | -.2296 | -.1270 | .1694 | .2136 | |
| 101.400 | -.3550 | -.4251 | -.4790 | -.3008 | | .2182 | |
| 115.600 | -.4205 | -.5298 | -.5313 | -.3017 | | .2191 | |
| 133.800 | -.4266 | -.4505 | -.4890 | -.2033 | | .2191 | |
| 149.100 | -.4489 | -.4774 | -.4482 | -.2116 | | .2182 | |
| 180.000 | -.4182 | -.3088 | -.4618 | -.2935 | .1924 | .2191 | .2348 |

BETA ( 1) = .000 ALPHA ( 7) = 12.980 Q(PSF) = 61.126 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2356 | -.2348 | -.1957 | -.0340 | .1724 | .1596 | .2486 |
| 44.800 | -.2187 | -.2057 | -.1397 | -.0807 | .1761 | .2275 | |
| 50.100 | -.1965 | -.2555 | -.1934 | -.1027 | .1761 | .2266 | |
| 101.400 | -.3445 | -.4150 | -.4725 | -.2923 | | .2311 | |
| 115.600 | -.4158 | -.5293 | -.5316 | -.3042 | | .2330 | |
| 133.800 | -.4296 | -.4487 | -.4710 | -.1961 | | .2330 | |
| 149.100 | -.4434 | -.4687 | -.4388 | -.2126 | | .2321 | |
| 180.000 | -.4173 | -.3046 | -.4472 | -.2877 | .2018 | .2321 | .2486 |

BETA ( 1) = .000 ALPHA ( 8) = 15.160 Q(PSF) = 61.126 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2227 | -.2219 | -.1903 | -.0369 | .1878 | .1759 | .2643 |
| 44.800 | -.2073 | -.1703 | -.1187 | -.0690 | .1860 | .2459 | |
| 50.100 | -.1965 | -.2134 | -.1426 | -.0838 | .1878 | .2450 | |
| 101.400 | -.3381 | -.4105 | -.4690 | -.2797 | | .2523 | |
| 115.600 | -.4120 | -.5283 | -.5368 | -.3091 | | .2533 | |
| 133.800 | -.4298 | -.4482 | -.4629 | -.1960 | | .2523 | |
| 149.100 | -.4398 | -.4659 | -.4405 | -.2227 | | .2514 | |
| 180.000 | -.4244 | -.3097 | -.4416 | -.2880 | .2155 | .2505 | .2643 |

OA172 TAILCONE PRESSURES GEAR ON (CFG118)

BETA ( 1) = .000 ALPHA ( 9) = 17.320 Q(PSF) = 61.126 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2179 | -.2156 | -.1879 | -.0368 | .1960 | .1877 | .2835 |
| 44.800 | -.2010 | -.1479 | -.1033 | -.0607 | .1960 | .2623 | |
| 50.100 | -.1956 | -.1956 | -.1040 | -.0736 | .1969 | .2614 | |
| 101.400 | -.3372 | -.4056 | -.4580 | -.2547 | | .2715 | |
| 115.600 | -.4103 | -.5318 | -.5449 | -.3108 | | .2734 | |
| 133.800 | -.4487 | -.4572 | -.4741 | -.1986 | | .2724 | |
| 149.100 | -.4380 | -.4664 | -.4580 | -.2464 | | .2706 | |
| 180.000 | -.4187 | -.3164 | -.4477 | -.2979 | .2356 | .2715 | .2835 |

BETA ( 1) = .000 ALPHA (10) = 19.510 Q(PSF) = 61.126 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2326 | -.2280 | -.1965 | -.0257 | .1945 | .1936 | .3046 |
| 44.800 | -.2141 | -.1382 | -.0930 | -.0468 | .2018 | .2725 | |
| 50.100 | -.1988 | -.1965 | -.0830 | -.0624 | .2037 | .2725 | |
| 101.400 | -.3438 | -.4090 | -.4442 | -.2209 | | .2909 | |
| 115.600 | -.4312 | -.5531 | -.5654 | -.3043 | | .2936 | |
| 133.800 | -.4680 | -.4818 | -.5033 | -.2072 | | .2918 | |
| 149.100 | -.4573 | -.4918 | -.5002 | -.2924 | | .2927 | |
| 180.000 | -.4235 | -.3323 | -.4729 | -.3208 | .2569 | .2927 | .3046 |

BETA ( 1) = .000 ALPHA (11) = 21.680 Q(PSF) = 61.126 PO = 2118.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2515 | -.2515 | -.2095 | -.0074 | .1699 | .1809 | .3126 |
| 44.800 | -.2317 | -.1255 | -.0789 | -.0302 | .1800 | .2632 | |
| 50.100 | -.2110 | -.1828 | -.0521 | -.0475 | .1800 | .2641 | |
| 101.400 | -.3485 | -.4112 | -.4311 | -.2018 | | .2943 | |
| 115.600 | -.4822 | -.6091 | -.5976 | -.2839 | | .2980 | |
| 133.800 | -.5044 | -.5273 | -.5563 | -.2127 | | .2980 | |
| 149.100 | -.5487 | -.5831 | -.5923 | -.3579 | | .2998 | |
| 180.000 | -.4448 | -.3562 | -.4994 | -.3634 | .2650 | .2989 | .3126 |

OA172 TAILCONE PRESSURES GEAR ON (CFG119) ( 27 FEB 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | 55.000 | BDFLAP = | -11.700 |
| H/BW = | .125 | | |

BETA ( 1) = .000 ALPHA ( 1) = 1.120 Q(PSF) = 61.205 PO = 2118.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2557 | -.2564 | -.2127 | -.0743 | .1147 | .0972 | .1569 |
| 44.800 | -.2304 | -.2833 | -.2188 | -.1412 | .1156 | .1560 | |
| 50.100 | -.1974 | -.4153 | -.3017 | -.1981 | .1165 | .1560 | |
| 101.400 | -.4099 | -.4744 | -.5150 | -.3218 | | .1514 | |
| 115.600 | -.4506 | -.5495 | -.5542 | -.3136 | | .1587 | |
| 133.800 | -.4421 | -.4920 | -.6324 | -.3264 | | .1624 | |
| 149.100 | -.4260 | -.5104 | -.6692 | -.4639 | | .1633 | |
| 180.000 | -.2948 | -.4038 | -.6748 | -.4969 | .1055 | .1615 | .1569 |

BETA ( 1) = .000 ALPHA ( 2) = 2.190 Q(PSF) = 61.205 PO = 2118.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2530 | -.2538 | -.2092 | -.0735 | .1167 | .1020 | .1599 |
| 44.800 | -.2276 | -.2860 | -.2184 | -.1424 | .1176 | .1599 | |
| 50.100 | -.2015 | -.4159 | -.3022 | -.1975 | .1167 | .1599 | |
| 101.400 | -.4044 | -.4728 | -.5135 | -.3242 | | .1645 | |
| 115.600 | -.4443 | -.5481 | -.5534 | -.3122 | | .1654 | |
| 133.800 | -.4351 | -.4866 | -.6188 | -.3122 | | .1719 | |
| 149.100 | -.4228 | -.5066 | -.6526 | -.4297 | | .1691 | |
| 180.000 | -.2899 | -.3982 | -.6538 | -.4426 | .1075 | .1636 | .1599 |

BETA ( 1) = .000 ALPHA ( 3) = 4.350 Q(PSF) = 61.205 PO = 2118.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2444 | -.2444 | -.2006 | -.0735 | .1194 | .1028 | .1681 |
| 44.800 | -.2183 | -.2790 | -.2121 | -.1395 | .1212 | .1635 | |
| 50.100 | -.2014 | -.4118 | -.2935 | -.1955 | .1212 | .1626 | |
| 101.400 | -.3949 | -.4625 | -.5063 | -.3249 | | .1718 | |
| 115.600 | -.4333 | -.5378 | -.5462 | -.3148 | | .1718 | |
| 133.800 | -.4310 | -.4763 | -.5985 | -.2882 | | .1745 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG119)

BETA ( 1) = .000 ALPHA ( 3) = 4.350

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4203 | -.4978 | -.6207 | -.3790 | | .1727 | |
| 180.000 | -.2882 | -.3888 | -.6195 | -.3818 | .1184 | .1644 | .1681 |

BETA ( 1) = .000 ALPHA ( 4) = 6.510 Q(PSF) = 61.205 PO = 2118.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2353 | -.2361 | -.1961 | -.0652 | .1268 | .1157 | .1856 |
| 44.800 | -.2115 | -.2706 | -.2030 | -.1304 | .1286 | .1755 | |
| 50.100 | -.1992 | -.3959 | -.2806 | -.1892 | .1314 | .1774 | |
| 101.400 | -.3836 | -.4512 | -.4996 | -.3223 | | .1820 | |
| 115.600 | -.4251 | -.5319 | -.5419 | -.3195 | | .1820 | |
| 133.800 | -.4251 | -.4704 | -.5787 | -.2727 | | .1893 | |
| 149.100 | -.4182 | -.4911 | -.5987 | -.3489 | | .1875 | |
| 180.000 | -.2975 | -.3736 | -.6197 | -.3948 | .1470 | .1847 | .1856 |

BETA ( 1) = .000 ALPHA ( 5) = 8.670 Q(PSF) = 61.205 PO = 2118.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2286 | -.2286 | -.1901 | -.0616 | .1343 | .1278 | .2079 |
| 44.800 | -.2071 | -.2547 | -.1848 | -.1177 | .1389 | .1858 | |
| 50.100 | -.1971 | -.3609 | -.2609 | -.1673 | .1398 | .1858 | |
| 101.400 | -.3747 | -.4447 | -.4970 | -.3235 | | .1913 | |
| 115.600 | -.4224 | -.5301 | -.5424 | -.3272 | | .1959 | |
| 133.800 | -.4216 | -.4616 | -.5593 | -.2666 | | .1996 | |
| 149.100 | -.4186 | -.4863 | -.5801 | -.3346 | | .1996 | |
| 180.000 | -.2940 | -.3555 | -.6259 | -.4026 | .1729 | .2005 | .2079 |

0A172 TAILCONE PRESSURES GEAR ON (CFG119)

BETA ( 1) = .000 ALPHA ( 6) = 10.830 Q(PSF) = 61.205 PO = 2118.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2346 | -.2331 | -.1939 | -.0497 | .1452 | .1360 | .2183 |
| 44.800 | -.2146 | -.2385 | -.1693 | -.1057 | .1489 | .1958 | |
| 50.100 | -.1970 | -.3207 | -.2438 | -.1443 | .1508 | .1977 | |
| 101.400 | -.3638 | -.4360 | -.4960 | -.3243 | | .2060 | |
| 115.600 | -.4222 | -.5336 | -.5482 | -.3344 | | .2069 | |
| 133.800 | -.4191 | -.4568 | -.5436 | -.2692 | | .2106 | |
| 149.100 | -.4168 | -.4829 | -.5713 | -.3316 | | .2115 | |
| 180.000 | -.2953 | -.3522 | -.6274 | -.4253 | .1857 | .2106 | .2188 |

BETA ( 1) = .000 ALPHA ( 7) = 12.980 Q(PSF) = 61.205 PO = 2118.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2363 | -.2348 | -.1963 | -.0451 | .1601 | .1444 | .2300 |
| 44.800 | -.2194 | -.2109 | -.1479 | -.0929 | .1610 | .2079 | |
| 50.100 | -.2002 | -.2655 | -.2063 | -.1149 | .1628 | .2098 | |
| 101.400 | -.3517 | -.4271 | -.4909 | -.3153 | | .2236 | |
| 115.600 | -.4178 | -.5324 | -.5524 | -.3373 | | .2227 | |
| 133.800 | -.4271 | -.4624 | -.5332 | -.2638 | | .2236 | |
| 149.100 | -.4124 | -.4771 | -.5624 | -.3337 | | .2227 | |
| 180.000 | -.3040 | -.3486 | -.6213 | -.4311 | .1969 | .2236 | .2300 |

BETA ( 1) = .000 ALPHA ( 8) = 15.150 Q(PSF) = 61.205 PO = 2118.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2232 | -.2209 | -.1886 | -.0442 | .1701 | .1600 | .2484 |
| 44.800 | -.2047 | -.1732 | -.1240 | -.0818 | .1710 | .2272 | |
| 50.100 | -.1993 | -.2162 | -.1486 | -.0947 | .1729 | .2263 | |
| 101.400 | -.3423 | -.4177 | -.4831 | -.2986 | | .2410 | |
| 115.600 | -.4100 | -.5315 | -.5538 | -.3372 | | .2419 | |
| 133.800 | -.4346 | -.4692 | -.5215 | -.2637 | | .2410 | |
| 149.100 | -.4062 | -.4700 | -.5577 | -.3391 | | .2419 | |
| 180.000 | -.3054 | -.3485 | -.6175 | -.4282 | .2106 | .2410 | .2484 |

0A172 TAILCONE PRESSURES GEAR ON (CFG119)

BETA ( 1) = .000 ALPHA ( 9) = 17.340 Q(PSF) = 61.205 PO = 2118.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2160 | -.2144 | -.1868 | -.0450 | .1773 | .1672 | .2628 |
| 44.800 | -.1983 | -.1507 | -.1092 | -.0716 | .1773 | .2389 | |
| 50.100 | -.1968 | -.1983 | -.1123 | -.0826 | .1791 | .2370 | |
| 101.400 | -.3412 | -.4141 | -.4725 | -.2735 | | .2554 | |
| 115.600 | -.4118 | -.5370 | -.5624 | -.3378 | | .2554 | |
| 133.800 | -.4234 | -.4571 | -.5186 | -.2643 | | .2545 | |
| 149.100 | -.4057 | -.4725 | -.5708 | -.3579 | | .2554 | |
| 180.000 | -.3105 | -.3535 | -.6176 | -.4359 | .2251 | .2573 | .2628 |

BETA ( 1) = .000 ALPHA (10) = 19.490 Q(PSF) = 61.205 PO = 2118.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2277 | -.2239 | -.1926 | -.0347 | .1753 | .1680 | .2777 |
| 44.800 | -.2102 | -.1391 | -.0979 | -.0566 | .1808 | .2439 | |
| 50.100 | -.1979 | -.1972 | -.0887 | -.0684 | .1836 | .2421 | |
| 101.400 | -.3461 | -.4140 | -.4545 | -.2382 | | .2649 | |
| 115.600 | -.4301 | -.5561 | -.5797 | -.3303 | | .2677 | |
| 133.800 | -.4576 | -.4797 | -.5431 | -.2738 | | .2667 | |
| 149.100 | -.4186 | -.4858 | -.6034 | -.3997 | | .2667 | |
| 180.000 | -.3140 | -.3629 | -.6360 | -.4644 | .2348 | .2686 | .2777 |

BETA ( 1) = .000 ALPHA (11) = 21.680 Q(PSF) = 61.205 PO = 2118.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2480 | -.2442 | -.2007 | -.0192 | .1468 | .1596 | .2855 |
| 44.800 | -.2289 | -.1237 | -.0817 | -.0383 | .1541 | .2335 | |
| 50.100 | -.2068 | -.1763 | -.0581 | -.0538 | .1523 | .2353 | |
| 101.400 | -.3524 | -.4134 | -.4371 | -.2223 | | .2627 | |
| 115.600 | -.4851 | -.6124 | -.6140 | -.3089 | | .2736 | |
| 133.800 | -.4958 | -.5339 | -.6010 | -.2816 | | .2773 | |
| 149.100 | -.4927 | -.5491 | -.6879 | -.4729 | | .2764 | |
| 180.000 | -.3288 | -.3822 | -.6760 | -.5148 | .2344 | .2782 | .2855 |

OA172 TAILCONE PRESSURES GEAR ON (CFG120) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700
H/BW = .125

BETA ( 1) = .000 ALPHA ( 1) = 1.100 Q(PSF) = 61.281 PO = 2118.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2511 | -.2518 | -.2090 | -.0951 | .0942 | .0868 | .1482 |
| 44.800 | -.2258 | -.2916 | -.2281 | -.1600 | .0914 | .1399 | |
| 50.100 | -.2021 | -.4293 | -.3176 | -.2167 | .0896 | .1399 | |
| 101.400 | -.4155 | -.4874 | -.5364 | -.3528 | | .1445 | |
| 115.600 | -.4584 | -.5624 | -.5815 | -.3556 | | .1482 | |
| 133.800 | -.4232 | -.4920 | -.6878 | -.4305 | | .1436 | |
| 149.100 | -.3551 | -.4714 | -.7467 | -.6764 | | .1427 | |
| 180.000 | -.2067 | -.3604 | -.7339 | -.7495 | .0777 | .1409 | .1482 |

BETA ( 1) = .000 ALPHA ( 2) = 2.190 Q(PSF) = 61.281 PO = 2118.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2466 | -.2497 | -.2074 | -.0872 | .0982 | .0890 | .1450 |
| 44.800 | -.2220 | -.2919 | -.2289 | -.1597 | .0973 | .1441 | |
| 50.100 | -.2036 | -.4324 | -.3195 | -.2220 | .0945 | .1487 | |
| 101.400 | -.4124 | -.4846 | -.5375 | -.3550 | | .1653 | |
| 115.600 | -.4500 | -.5567 | -.5782 | -.3550 | | .1561 | |
| 133.800 | -.4170 | -.4846 | -.6727 | -.4128 | | .1496 | |
| 149.100 | -.3548 | -.4723 | -.7371 | -.6485 | | .1496 | |
| 180.000 | -.2005 | -.3602 | -.7320 | -.7182 | .0982 | .1432 | .1450 |

BETA ( 1) = .000 ALPHA ( 3) = 4.340 Q(PSF) = 61.281 PO = 2118.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2387 | -.2418 | -.2004 | -.0917 | .1027 | .0843 | .1229 |
| 44.800 | -.2142 | -.2863 | -.2219 | -.1568 | .1082 | .1422 | |
| 50.100 | -.1989 | -.4267 | -.3086 | -.2155 | .1073 | .1486 | |
| 101.400 | -.4014 | -.4750 | -.5280 | -.3557 | | .1679 | |
| 115.600 | -.4351 | -.5441 | -.5702 | -.3566 | | .1596 | |
| 133.800 | -.4129 | -.4758 | -.6538 | -.3869 | | .1514 | |

0A172 TAILCONE PRESSURES GEAR ON (CFGI20)

BETA ( 1) = .000 ALPHA ( 3) = 4.340

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.3546 | -.4704 | -.7144 | -.5885 | | .1431 | |
| 180.000 | -.2134 | -.3669 | -.7242 | -.6609 | .1073 | .1376 | .1229 |

BETA ( 1) = .000 ALPHA ( 4) = 6.520 Q(PSF) = 61.281 PO = 2118.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2319 | -.2335 | -.1943 | -.0835 | .1064 | .0936 | .1533 |
| 44.800 | -.2074 | -.2780 | -.2105 | -.1459 | .1147 | .1579 | |
| 50.100 | -.1974 | -.4069 | -.2972 | -.2073 | .1174 | .1588 | |
| 101.400 | -.3908 | -.4629 | -.5190 | -.3513 | | .1873 | |
| 115.600 | -.4246 | -.5336 | -.5604 | -.3568 | | .1799 | |
| 133.800 | -.4054 | -.4637 | -.6326 | -.3595 | | .1569 | |
| 149.100 | -.3578 | -.4652 | -.6924 | -.5457 | | .1551 | |
| 180.000 | -.2105 | -.3624 | -.7180 | -.6484 | .1367 | .1514 | .1533 |

BETA ( 1) = .000 ALPHA ( 5) = 8.650 Q(PSF) = 61.281 PO = 2118.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2271 | -.2263 | -.1894 | -.0754 | .1149 | .1140 | .1803 |
| 44.800 | -.2025 | -.2625 | -.1955 | -.1361 | .1186 | .1729 | |
| 50.100 | -.1940 | -.3817 | -.2763 | -.1848 | .1186 | .1775 | |
| 101.400 | -.3817 | -.4563 | -.5163 | -.3530 | | .2033 | |
| 115.600 | -.4201 | -.5294 | -.5586 | -.3594 | | .1941 | |
| 133.800 | -.4024 | -.4578 | -.6124 | -.3456 | | .1821 | |
| 149.100 | -.3609 | -.4632 | -.6778 | -.5092 | | .1785 | |
| 180.000 | -.2017 | -.3494 | -.7242 | -.6140 | .1637 | .1794 | .1803 |

OA172 TAILCONE PRESSURES GEAR ON (CFG120)

BETA ( 1) = .000 ALPHA ( 6) = 10.790 Q(PSF) = 61.281 PO = 2118.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2326 | -.2310 | -.1935 | -.0651 | .1220 | .1256 | .2046 |
| 44.800 | -.2119 | -.2441 | -.1789 | -.1183 | .1247 | .1844 | |
| 50.100 | -.1942 | -.3323 | -.2587 | -.1595 | .1266 | .1853 | |
| 101.400 | -.3683 | -.4474 | -.5133 | -.3483 | | .2073 | |
| 115.600 | -.4159 | -.5310 | -.5593 | -.3584 | | .2037 | |
| 133.800 | -.3960 | -.4474 | -.5908 | -.3364 | | .1991 | |
| 149.100 | -.3584 | -.4619 | -.6644 | -.4766 | | .1973 | |
| 180.000 | -.2073 | -.3461 | -.7176 | -.6003 | .1780 | .1991 | .2046 |

BETA ( 1) = .000 ALPHA ( 7) = 12.960 Q(PSF) = 61.281 PO = 2118.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2341 | -.2318 | -.1950 | -.0596 | .1321 | .1275 | .2120 |
| 44.800 | -.2157 | -.2165 | -.1559 | -.1073 | .1330 | .1862 | |
| 50.100 | -.1965 | -.2771 | -.2188 | -.1311 | .1339 | .1881 | |
| 101.400 | -.3569 | -.4351 | -.5065 | -.3373 | | .2028 | |
| 115.600 | -.4121 | -.5287 | -.5586 | -.3575 | | .2064 | |
| 133.800 | -.4090 | -.4543 | -.5816 | -.3328 | | .2074 | |
| 149.100 | -.3576 | -.4574 | -.6537 | -.4693 | | .2074 | |
| 180.000 | -.2096 | -.3454 | -.7058 | -.5646 | .1734 | .2055 | .2120 |

BETA ( 1) = .000 ALPHA ( 8) = 15.120 Q(PSF) = 61.281 PO = 2118.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2190 | -.2175 | -.1876 | -.0595 | .1409 | .1327 | .2178 |
| 44.800 | -.2022 | -.1769 | -.1325 | -.0951 | .1391 | .1931 | |
| 50.100 | -.1953 | -.2244 | -.1624 | -.1070 | .1391 | .1922 | |
| 101.400 | -.3468 | -.4271 | -.4967 | -.3219 | | .2087 | |
| 115.600 | -.4080 | -.5281 | -.5618 | -.3575 | | .2087 | |
| 133.800 | -.4355 | -.4830 | -.5947 | -.3328 | | .2142 | |
| 149.100 | -.3567 | -.4547 | -.6475 | -.4700 | | .2142 | |
| 180.000 | -.2167 | -.3506 | -.6958 | -.5440 | .1748 | .2142 | .2178 |

OA172 TAILCONE PRESSURES GEAR ON (CFG120)

BETA ( 1) = .000 ALPHA ( 9) = 17.300 Q(PSF) = 61.281 PO = 2118.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2103 | -.2080 | -.1827 | -.0596 | .1431 | .1376 | .2266 |
| 44.800 | -.1935 | -.1528 | -.1152 | -.0825 | .1412 | .2000 | |
| 50.100 | -.1927 | -.2042 | -.1198 | -.0926 | .1458 | .2009 | |
| 101.400 | -.3446 | -.4220 | -.4857 | -.2933 | | .2147 | |
| 115.600 | -.4113 | -.5371 | -.5708 | -.3547 | | .2174 | |
| 133.800 | -.4174 | -.4826 | -.5862 | -.3309 | | .2193 | |
| 149.100 | -.3553 | -.4596 | -.6521 | -.4812 | | .2211 | |
| 180.000 | -.2303 | -.3568 | -.6993 | -.5389 | .1761 | .2184 | .2266 |

BETA ( 1) = .000 ALPHA (10) = 19.480 Q(PSF) = 61.281 PO = 2118.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2199 | -.2169 | -.1886 | -.0486 | .1355 | .1337 | .2373 |
| 44.800 | -.2031 | -.1388 | -.1035 | -.0678 | .1428 | .1978 | |
| 50.100 | -.1916 | -.2008 | -.0944 | -.0797 | .1447 | .2024 | |
| 101.400 | -.3517 | -.4236 | -.4688 | -.2617 | | .2217 | |
| 115.600 | -.4359 | -.5615 | -.5937 | -.3496 | | .2198 | |
| 133.800 | -.4244 | -.4734 | -.5883 | -.3413 | | .2272 | |
| 149.100 | -.3662 | -.4696 | -.6817 | -.4932 | | .2198 | |
| 180.000 | -.2368 | -.3639 | -.7092 | -.5161 | .1740 | .2208 | .2373 |

BETA ( 1) = .000 ALPHA (11) = 21.660 Q(PSF) = 61.281 PO = 2118.3

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2352 | -.2322 | -.1933 | -.0292 | .1031 | .1095 | .2310 |
| 44.800 | -.2184 | -.1192 | -.0849 | -.0475 | .1131 | .1771 | |
| 50.100 | -.2017 | -.1818 | -.0597 | -.0648 | .1067 | .1780 | |
| 101.400 | -.3558 | -.4230 | -.4482 | -.2472 | | .2246 | |
| 115.600 | -.4863 | -.6161 | -.6229 | -.3356 | | .2218 | |
| 133.800 | -.4840 | -.5329 | -.6352 | -.3530 | | .2237 | |
| 149.100 | -.4138 | -.5146 | -.7534 | -.5837 | | .2218 | |
| 180.000 | -.2406 | -.3749 | -.7305 | -.5983 | .1725 | .2200 | .2310 |

OA172 TAILCONE PRESSURES GEAR ON (CFG121) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = 10.000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

BETA ( 1) = .000 ALPHA ( 1) = 1.120 Q(PSF) = 61.096 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2554 | -.2561 | -.2033 | -.0660 | .1320 | .1164 | .1842 |
| 44.800 | -.2293 | -.2768 | -.2071 | -.1264 | .1402 | .1760 | |
| 50.100 | -.2010 | -.3987 | -.2837 | -.1777 | .1430 | .1769 | |
| 101.400 | -.3841 | -.4508 | -.4769 | -.2803 | | .1760 | |
| 115.600 | -.4178 | -.5121 | -.4991 | -.2519 | | .1806 | |
| 133.800 | -.4071 | -.4355 | -.5213 | -.2290 | | .1806 | |
| 149.100 | -.4086 | -.4385 | -.4585 | -.2912 | | .1806 | |
| 180.000 | -.4408 | -.3496 | -.4432 | -.3453 | .1530 | .1806 | .1842 |

BETA ( 1) = .000 ALPHA ( 2) = 2.190 Q(PSF) = 61.096 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2526 | -.2526 | -.2018 | -.0607 | .1380 | .1196 | .1905 |
| 44.800 | -.2264 | -.2772 | -.2087 | -.1251 | .1435 | .1795 | |
| 50.100 | -.2041 | -.4034 | -.2864 | -.1793 | .1454 | .1795 | |
| 101.400 | -.3803 | -.4449 | -.4788 | -.2842 | | .1795 | |
| 115.600 | -.4149 | -.5103 | -.5019 | -.2547 | | .1859 | |
| 133.800 | -.4057 | -.4326 | -.5119 | -.2198 | | .1859 | |
| 149.100 | -.4088 | -.4365 | -.4496 | -.2731 | | .1859 | |
| 180.000 | -.4396 | -.3449 | -.4340 | -.3228 | .1537 | .1868 | .1905 |

BETA ( 1) = .000 ALPHA ( 3) = 4.360 Q(PSF) = 61.096 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2433 | -.2418 | -.1941 | -.0571 | .1408 | .1224 | .1951 |
| 44.800 | -.2172 | -.2711 | -.2018 | -.1223 | .1472 | .1804 | |
| 50.100 | -.2026 | -.3942 | -.2764 | -.1784 | .1500 | .1813 | |
| 101.400 | -.3726 | -.4365 | -.4734 | -.2879 | | .1850 | |
| 115.600 | -.4073 | -.5027 | -.4965 | -.2594 | | .1868 | |
| 133.800 | -.4026 | -.4273 | -.4973 | -.2033 | | .1896 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG121)

BETA ( 1) = .000 ALPHA ( 3) = 4.360

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4073 | -.4311 | -.4273 | -.2474 | | .1905 | |
| 180.000 | -.4411 | -.3365 | -.4129 | -.2970 | .1620 | .1905 | .1951 |

BETA ( 1) = .000 ALPHA ( 4) = 6.510 Q(PSF) = 61.096 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2366 | -.2374 | -.1904 | -.0525 | .1501 | .1354 | .2119 |
| 44.800 | -.2128 | -.2644 | -.1927 | -.1151 | .1529 | .1916 | |
| 50.100 | -.2027 | -.3830 | -.2667 | -.1749 | .1547 | .1925 | |
| 101.400 | -.3645 | -.4300 | -.4685 | -.2881 | | .1944 | |
| 115.600 | -.4038 | -.5001 | -.4962 | -.2624 | | .1981 | |
| 133.800 | -.3999 | -.4230 | -.4800 | -.1906 | | .2027 | |
| 149.100 | -.4053 | -.4261 | -.4115 | -.2246 | | .2036 | |
| 180.000 | -.4515 | -.3275 | -.4087 | -.2964 | .1778 | .2045 | .2119 |

BETA ( 1) = .000 ALPHA ( 5) = 8.660 Q(PSF) = 61.096 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2287 | -.2279 | -.1833 | -.0433 | .1555 | .1435 | .2218 |
| 44.800 | -.2064 | -.2464 | -.1756 | -.1021 | .1583 | .2016 | |
| 50.100 | -.1995 | -.3526 | -.2449 | -.1517 | .1620 | .2006 | |
| 101.400 | -.3526 | -.4211 | -.4641 | -.2887 | | .2016 | |
| 115.600 | -.3995 | -.4980 | -.4942 | -.2685 | | .2062 | |
| 133.800 | -.3934 | -.4126 | -.4580 | -.1830 | | .2108 | |
| 149.100 | -.4010 | -.4157 | -.3910 | -.2051 | | .2117 | |
| 180.000 | -.4657 | -.3049 | -.4073 | -.2915 | .1850 | .2135 | .2218 |

OA172 TAILCONE PRESSURES GEAR ON (CFG121)

BETA ( 1) = .000 ALPHA ( 6) = 10.800 Q(PSF) = 61.096 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2345 | -.2337 | -.1875 | -.0360 | .1650 | .1521 | .2379 |
| 44.800 | -.2152 | -.2306 | -.1597 | -.0922 | .1659 | .2130 | |
| 50.100 | -.1990 | -.3093 | -.2299 | -.1290 | .1705 | .2121 | |
| 101.400 | -.3424 | -.4133 | -.4657 | -.2902 | | .2130 | |
| 115.600 | -.4002 | -.5043 | -.5012 | -.2745 | | .2157 | |
| 133.800 | -.3917 | -.4087 | -.4403 | -.1787 | | .2176 | |
| 149.100 | -.3964 | -.4087 | -.3779 | -.1962 | | .2194 | |
| 180.000 | -.4758 | -.2938 | -.4025 | -.2902 | .1918 | .2222 | .2379 |

BETA ( 1) = .000 ALPHA ( 7) = 12.960 Q(PSF) = 61.096 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2327 | -.2320 | -.1881 | -.0332 | .1731 | .1602 | .2506 |
| 44.800 | -.2181 | -.2065 | -.1419 | -.0792 | .1750 | .2238 | |
| 50.100 | -.2019 | -.2589 | -.1973 | -.1031 | .1796 | .2229 | |
| 101.400 | -.3305 | -.4021 | -.4599 | -.2825 | | .2248 | |
| 115.600 | -.3952 | -.5022 | -.5030 | -.2742 | | .2266 | |
| 133.800 | -.3914 | -.4060 | -.4237 | -.1740 | | .2257 | |
| 149.100 | -.3921 | -.4014 | -.3706 | -.1970 | | .2275 | |
| 180.000 | -.4930 | -.2920 | -.3929 | -.2862 | .1980 | .2303 | .2506 |

BETA ( 1) = .000 ALPHA ( 8) = 15.150 Q(PSF) = 61.096 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2208 | -.2185 | -.1831 | -.0331 | .1866 | .1765 | .2676 |
| 44.800 | -.2046 | -.1685 | -.1185 | -.0653 | .1848 | .2446 | |
| 50.100 | -.2008 | -.2077 | -.1424 | -.0800 | .1894 | .2418 | |
| 101.400 | -.3215 | -.3953 | -.4529 | -.2664 | | .2446 | |
| 115.600 | -.3876 | -.4998 | -.5036 | -.2765 | | .2473 | |
| 133.800 | -.3914 | -.4029 | -.4106 | -.1681 | | .2446 | |
| 149.100 | -.3868 | -.3968 | -.3714 | -.2049 | | .2455 | |
| 180.000 | -.4790 | -.2915 | -.3913 | -.2866 | .2124 | .2483 | .2676 |

OA172 TAILCONE PRESSURES GEAR ON (CFG121)

BETA ( 1) = .000 ALPHA ( 9) = 17.320 Q(PSF) = 61.096 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2140 | -.2117 | -.1794 | -.0341 | .1987 | .1941 | .2899 |
| 44.800 | -.1971 | -.1440 | -.1017 | -.0543 | .1969 | .2669 | |
| 50.100 | -.2002 | -.1856 | -.0986 | -.0644 | .2015 | .2660 | |
| 101.400 | -.3202 | -.3917 | -.4410 | -.2390 | | .2715 | |
| 115.600 | -.3863 | -.5040 | -.5133 | -.2804 | | .2742 | |
| 133.800 | -.4086 | -.4133 | -.4233 | -.1683 | | .2715 | |
| 149.100 | -.3871 | -.4017 | -.3886 | -.2298 | | .2715 | |
| 180.000 | -.4663 | -.2979 | -.3971 | -.2969 | .2356 | .2742 | .2899 |

BETA ( 1) = .000 ALPHA (10) = 19.500 Q(PSF) = 61.096 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2306 | -.2268 | -.1876 | -.0221 | .2012 | .2031 | .3125 |
| 44.800 | -.2107 | -.1331 | -.0908 | -.0377 | .2077 | .2803 | |
| 50.100 | -.2022 | -.1838 | -.0755 | -.0505 | .2123 | .2794 | |
| 101.400 | -.3267 | -.3935 | -.4273 | -.2047 | | .2913 | |
| 115.600 | -.4050 | -.5256 | -.5349 | -.2745 | | .2941 | |
| 133.800 | -.4189 | -.4335 | -.4511 | -.1790 | | .2941 | |
| 149.100 | -.4150 | -.4296 | -.4342 | -.2745 | | .2932 | |
| 180.000 | -.4842 | -.3174 | -.4214 | -.3287 | .2564 | .2969 | .3125 |

BETA ( 1) = .000 ALPHA (11) = 21.700 Q(PSF) = 61.096 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2518 | -.2465 | -.1967 | -.0110 | .1747 | .1903 | .3203 |
| 44.800 | -.2319 | -.1233 | -.0782 | -.0229 | .1875 | .2727 | |
| 50.100 | -.2113 | -.1730 | -.0453 | -.0394 | .1949 | .2709 | |
| 101.400 | -.3436 | -.4056 | -.4170 | -.1901 | | .2937 | |
| 115.600 | -.4644 | -.5845 | -.5692 | -.2569 | | .2947 | |
| 133.800 | -.4599 | -.4813 | -.5042 | -.1865 | | .2947 | |
| 149.100 | -.5432 | -.5402 | -.5333 | -.3391 | | .2956 | |
| 180.000 | -.4981 | -.3436 | -.4579 | -.3656 | .2644 | .3001 | .3203 |

OA172 TAILCONE PRESSURES GEAR ON (CFG122) ( 11 OCT 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = -10.000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .125

BETA ( 1) = .000 ALPHA ( 1) = 2.210 Q(PSF) = 61.092 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2535 | -.2535 | -.1965 | -.0571 | .1399 | .1224 | .1971 |
| 44.800 | -.2273 | -.2766 | -.2042 | -.1197 | .1381 | .1833 | |
| 50.100 | -.2027 | -.4013 | -.2897 | -.1776 | .1381 | .1833 | |
| 101.400 | -.4060 | -.4722 | -.5037 | -.3027 | | .1814 | |
| 115.600 | -.4575 | -.5546 | -.5461 | -.2908 | | .1870 | |
| 133.800 | -.4845 | -.5107 | -.5715 | -.2337 | | .1888 | |
| 149.100 | -.5353 | -.5476 | -.4899 | -.2485 | | .1879 | |
| 180.000 | -.4267 | -.3752 | -.4435 | -.3303 | .1556 | .1879 | .1971 |

BETA ( 1) = .000 ALPHA ( 2) = 4.360 Q(PSF) = 61.092 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2438 | -.2438 | -.1885 | -.0570 | .1415 | .1259 | .1986 |
| 44.800 | -.2177 | -.2715 | -.1992 | -.1194 | .1434 | .1838 | |
| 50.100 | -.2031 | -.3937 | -.2792 | -.1736 | .1470 | .1829 | |
| 101.400 | -.3968 | -.4605 | -.4959 | -.3068 | | .1838 | |
| 115.600 | -.4506 | -.5489 | -.5436 | -.2985 | | .1894 | |
| 133.800 | -.4821 | -.5044 | -.5543 | -.2177 | | .1903 | |
| 149.100 | -.5305 | -.5366 | -.4621 | -.2205 | | .1912 | |
| 180.000 | -.4167 | -.3591 | -.4261 | -.3077 | .1618 | .1894 | .1986 |

BETA ( 1) = .000 ALPHA ( 3) = 6.510 Q(PSF) = 61.092 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2367 | -.2360 | -.1828 | -.0470 | .1484 | .1336 | .2046 |
| 44.800 | -.2121 | -.2622 | -.1890 | -.1115 | .1511 | .1917 | |
| 50.100 | -.2013 | -.3747 | -.2714 | -.1649 | .1539 | .1917 | |
| 101.400 | -.3862 | -.4548 | -.4895 | -.3039 | | .1954 | |
| 115.600 | -.4494 | -.5488 | -.5427 | -.3011 | | .1972 | |
| 133.800 | -.4795 | -.4995 | -.5365 | -.2026 | | .2000 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG122)

BETA ( 1) = .000 ALPHA ( 3) = 6.510

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.5296 | -.5288 | -.4417 | -.1953 | | .2000 | |
| 180.000 | -.4225 | -.3485 | -.4227 | -.3011 | .1742 | .1991 | .2046 |

BETA ( 1) = .000 ALPHA ( 4) = 8.700 Q(PSF) = 61.092 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2265 | -.2281 | -.1773 | -.0424 | .1556 | .1409 | .2183 |
| 44.800 | -.2065 | -.2473 | -.1750 | -.1013 | .1575 | .2008 | |
| 50.100 | -.1996 | -.3513 | -.2520 | -.1509 | .1602 | .1989 | |
| 101.400 | -.3775 | -.4483 | -.4868 | -.3027 | | .2063 | |
| 115.600 | -.4468 | -.5507 | -.5453 | -.3092 | | .2072 | |
| 133.800 | -.4768 | -.4937 | -.5153 | -.1960 | | .2072 | |
| 149.100 | -.5253 | -.5207 | -.4229 | -.1785 | | .2063 | |
| 180.000 | -.4252 | -.3367 | -.4177 | -.2954 | .1805 | .2045 | .2183 |

BETA ( 1) = .000 ALPHA ( 5) = 10.820 Q(PSF) = 61.092 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2346 | -.2331 | -.1816 | -.0377 | .1636 | .1480 | .2317 |
| 44.800 | -.2162 | -.2315 | -.1608 | -.0919 | .1646 | .2142 | |
| 50.100 | -.1993 | -.3077 | -.2315 | -.1250 | .1682 | .2161 | |
| 101.400 | -.3645 | -.4368 | -.4852 | -.3059 | | .2225 | |
| 115.600 | -.4476 | -.5544 | -.5506 | -.3160 | | .2234 | |
| 133.800 | -.4722 | -.4891 | -.4975 | -.1929 | | .2198 | |
| 149.100 | -.5183 | -.5121 | -.4084 | -.1746 | | .2179 | |
| 180.000 | -.4222 | -.3284 | -.4106 | -.2903 | .1885 | .2124 | .2317 |

OA172 TAILCONE PRESSURES GEAR ON (CFG122)

BETA ( 1) = .000 ALPHA ( 6) = 12.970 Q(PSF) = 61.092 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2335 | -.2327 | -.1835 | -.0332 | .1732 | .1603 | .2478 |
| 44.800 | -.2189 | -.2050 | -.1426 | -.0810 | .1768 | .2322 | |
| 50.100 | -.2012 | -.2535 | -.1912 | -.1022 | .1768 | .2312 | |
| 101.400 | -.3537 | -.4291 | -.4830 | -.2973 | | .2404 | |
| 115.600 | -.4430 | -.5554 | -.5539 | -.3184 | | .2395 | |
| 133.800 | -.4769 | -.4892 | -.4838 | -.1859 | | .2377 | |
| 149.100 | -.5154 | -.5069 | -.4083 | -.1813 | | .2349 | |
| 180.000 | -.4230 | -.3221 | -.4077 | -.2890 | .1980 | .2303 | .2478 |

BETA ( 1) = .000 ALPHA ( 7) = 15.190 Q(PSF) = 61.092 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2177 | -.2154 | -.1762 | -.0331 | .1876 | .1784 | .2667 |
| 44.800 | -.2031 | -.1670 | -.1224 | -.0726 | .1894 | .2511 | |
| 50.100 | -.1993 | -.2077 | -.1401 | -.0882 | .1885 | .2520 | |
| 101.400 | -.3454 | -.4192 | -.4745 | -.2811 | | .2603 | |
| 115.600 | -.4338 | -.5499 | -.5545 | -.3197 | | .2612 | |
| 133.800 | -.4761 | -.4876 | -.4753 | -.1847 | | .2566 | |
| 149.100 | -.5084 | -.5014 | -.4099 | -.1930 | | .2529 | |
| 180.000 | -.4353 | -.3192 | -.4042 | -.2922 | .2134 | .2520 | .2667 |

BETA ( 1) = .000 ALPHA ( 8) = 17.360 Q(PSF) = 61.092 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2111 | -.2088 | -.1749 | -.0341 | .1970 | .1952 | .2910 |
| 44.800 | -.1988 | -.1495 | -.1110 | -.0654 | .1980 | .2717 | |
| 50.100 | -.1980 | -.2011 | -.1141 | -.0801 | .1980 | .2698 | |
| 101.400 | -.3466 | -.4205 | -.4698 | -.2576 | | .2837 | |
| 115.600 | -.4351 | -.5568 | -.5668 | -.3275 | | .2855 | |
| 133.800 | -.5052 | -.5075 | -.4959 | -.1905 | | .2791 | |
| 149.100 | -.5106 | -.5075 | -.4328 | -.2227 | | .2763 | |
| 180.000 | -.4421 | -.3273 | -.4094 | -.3036 | .2357 | .2717 | .2910 |

0A172 TAILCONE PRESSURES GEAR ON (CFG122)

BETA ( 1) = .000 ALPHA ( 9) = 19.530 Q(PSF) = 61.092 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2251 | -.2213 | -.1798 | -.0221 | .2002 | .2048 | .3169 |
| 44.800 | -.2121 | -.1391 | -.1038 | -.0533 | .2039 | .2884 | |
| 50.100 | -.1998 | -.2067 | -.0961 | -.0716 | .2030 | .2893 | |
| 101.400 | -.3556 | -.4240 | -.4555 | -.2294 | | .3077 | |
| 115.600 | -.4555 | -.5798 | -.5875 | -.3202 | | .3086 | |
| 133.800 | -.5269 | -.5307 | -.5269 | -.2019 | | .3022 | |
| 149.100 | -.5284 | -.5322 | -.4800 | -.2725 | | .3013 | |
| 180.000 | -.4378 | -.3395 | -.4294 | -.3303 | .2581 | .2967 | .3169 |

BETA ( 1) = .000 ALPHA (10) = 21.690 Q(PSF) = 61.092 PO = 2119.9

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2456 | -.2418 | -.1868 | -.0083 | .1756 | .1976 | .3266 |
| 44.800 | -.2303 | -.1279 | -.0935 | -.0393 | .1756 | .2873 | |
| 50.100 | -.2105 | -.1944 | -.0675 | -.0622 | .1728 | .2873 | |
| 101.400 | -.3642 | -.4284 | -.4437 | -.2120 | | .3184 | |
| 115.600 | -.5125 | -.6387 | -.6242 | -.3043 | | .3239 | |
| 133.800 | -.5637 | -.5790 | -.5806 | -.2102 | | .3175 | |
| 149.100 | -.6150 | -.6264 | -.5844 | -.3363 | | .3101 | |
| 180.000 | -.4674 | -.3726 | -.4651 | -.3701 | .2680 | .3028 | .3266 |

0A172 TAILCONE PRESSURES GEAR ON (CFG123) ( 27 FEB 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6600 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | .000 | BDFLAP = | .000 |
| H/BW = | .125 | | |

BETA ( 1) = .000 ALPHA ( 1) = 1.150 Q(PSF) = 61.122 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2023 | -.1984 | -.2261 | -.2516 | .1148 | .0937 | .1516 |
| 44.800 | -.1954 | -.2015 | -.2146 | -.2645 | .1075 | .1433 | |
| 50.100 | -.7364 | -.3260 | -.2753 | -.2425 | .1056 | .1452 | |
| 101.400 | -.3959 | -.4582 | -.4958 | -.2994 | | .1415 | |
| 115.600 | -.4367 | -.5350 | -.5243 | -.2755 | | .1525 | |
| 133.800 | -.4428 | -.4705 | -.5504 | -.2379 | | .1498 | |
| 149.100 | -.4628 | -.4904 | -.4820 | -.2838 | | .1535 | |
| 180.000 | -.4551 | -.3222 | -.4187 | -.3324 | .1305 | .1516 | .1516 |

BETA ( 1) = .000 ALPHA ( 2) = 2.230 Q(PSF) = 61.122 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2031 | -.2024 | -.2362 | -.2591 | .1186 | .0965 | .1600 |
| 44.800 | -.2031 | -.1985 | -.2162 | -.2719 | .1176 | .1471 | |
| 50.100 | -.6336 | -.3246 | -.2854 | -.2499 | .1130 | .1480 | |
| 101.400 | -.3930 | -.4553 | -.4976 | -.3050 | | .1499 | |
| 115.600 | -.4330 | -.5329 | -.5276 | -.2784 | | .1535 | |
| 133.800 | -.4399 | -.4661 | -.5429 | -.2288 | | .1554 | |
| 149.100 | -.4607 | -.4822 | -.4676 | -.2664 | | .1581 | |
| 180.000 | -.4491 | -.3108 | -.4107 | -.3188 | .1360 | .1563 | .1600 |

BETA ( 1) = .000 ALPHA ( 3) = 4.400 Q(PSF) = 61.122 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1986 | -.2040 | -.2393 | -.2619 | .1287 | .1039 | .1674 |
| 44.800 | -.2078 | -.1993 | -.2117 | -.2785 | .1232 | .1563 | |
| 50.100 | -.5477 | -.3147 | -.2816 | -.2564 | .1195 | .1545 | |
| 101.400 | -.3855 | -.4485 | -.4939 | -.3106 | | .1554 | |
| 115.600 | -.4301 | -.5308 | -.5254 | -.2849 | | .1591 | |
| 133.800 | -.4393 | -.4639 | -.5293 | -.2132 | | .1665 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG123)

BETA ( 1) = .000 ALPHA ( 3) = 4.400

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4600 | -.4777 | -.4493 | -.2417 | | .1665 | |
| 180.000 | -.4577 | -.3109 | -.3906 | -.2923 | .1435 | .1646 | .1674 |

BETA ( 1) = .000 ALPHA ( 4) = 6.540 Q(PSF) = 61.122 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1979 | -.1987 | -.2410 | -.2630 | .1408 | .1214 | .1877 |
| 44.800 | -.1971 | -.1925 | -.2148 | -.2768 | .1398 | .1721 | |
| 50.100 | -.4788 | -.3033 | -.2826 | -.2538 | .1316 | .1712 | |
| 101.400 | -.3772 | -.4426 | -.4888 | -.3108 | | .1702 | |
| 115.600 | -.4272 | -.5295 | -.5249 | -.2896 | | .1758 | |
| 133.800 | -.4372 | -.4588 | -.5103 | -.2005 | | .1785 | |
| 149.100 | -.4580 | -.4688 | -.4272 | -.2170 | | .1785 | |
| 180.000 | -.4672 | -.2941 | -.3797 | -.2878 | .1610 | .1794 | .1877 |

BETA ( 1) = .000 ALPHA ( 5) = 8.700 Q(PSF) = 61.122 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1833 | -.1903 | -.2388 | -.2621 | .1546 | .1334 | .2016 |
| 44.800 | -.1903 | -.1949 | -.2180 | -.2713 | .1482 | .1850 | |
| 50.100 | -.4204 | -.2826 | -.2726 | -.2548 | .1417 | .1850 | |
| 101.400 | -.3688 | -.4358 | -.4904 | -.3146 | | .1859 | |
| 115.600 | -.4266 | -.5335 | -.5289 | -.2971 | | .1869 | |
| 133.800 | -.4319 | -.4512 | -.4904 | -.1959 | | .1869 | |
| 149.100 | -.4550 | -.4620 | -.4089 | -.1996 | | .1869 | |
| 180.000 | -.4750 | -.2711 | -.3872 | -.2897 | .1684 | .1832 | .2016 |

OA172 TAILCONE PRESSURES GEAR ON (CFG123)

BETA ( 1) = .000 ALPHA ( 6) = 10.860 Q(PSF) = 61.122 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1816 | -.1840 | -.2401 | -.2628 | .1637 | .1398 | .2189 |
| 44.800 | -.1909 | -.1932 | -.2186 | -.2665 | .1619 | .1987 | |
| 50.100 | -.3700 | -.2601 | -.2501 | -.2490 | .1573 | .1987 | |
| 101.400 | -.3601 | -.4293 | -.4908 | -.3189 | | .2005 | |
| 115.600 | -.4285 | -.5369 | -.5338 | -.3051 | | .2033 | |
| 133.800 | -.4316 | -.4469 | -.4716 | -.1921 | | .1959 | |
| 149.100 | -.4500 | -.4539 | -.3954 | -.1939 | | .1977 | |
| 180.000 | -.4846 | -.2601 | -.3795 | -.2886 | .1775 | .1950 | .2189 |

BETA ( 1) = .000 ALPHA ( 7) = 13.010 Q(PSF) = 61.122 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1837 | -.1914 | -.2639 | -.2728 | .1762 | .1531 | .2362 |
| 44.800 | -.2061 | -.2092 | -.2393 | -.2728 | .1743 | .2140 | |
| 50.100 | -.3403 | -.2547 | -.2300 | -.2378 | .1734 | .2149 | |
| 101.400 | -.3503 | -.4236 | -.4891 | -.3106 | | .2233 | |
| 115.600 | -.4259 | -.5393 | -.5377 | -.3041 | | .2233 | |
| 133.800 | -.4328 | -.4483 | -.4567 | -.1844 | | .2177 | |
| 149.100 | -.4467 | -.4498 | -.3920 | -.1963 | | .2159 | |
| 180.000 | -.4984 | -.2608 | -.3668 | -.2811 | .1928 | .2168 | .2362 |

BETA ( 1) = .000 ALPHA ( 8) = 15.220 Q(PSF) = 61.122 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2203 | -.2249 | -.3034 | -.2953 | .1823 | .1648 | .2495 |
| 44.800 | -.2403 | -.2419 | -.2719 | -.2971 | .1804 | .2283 | |
| 50.100 | -.3196 | -.2834 | -.2003 | -.2272 | .1795 | .2256 | |
| 101.400 | -.3427 | -.4158 | -.4828 | -.2934 | | .2403 | |
| 115.600 | -.4158 | -.5351 | -.5390 | -.3054 | | .2412 | |
| 133.800 | -.4312 | -.4443 | -.4451 | -.1812 | | .2376 | |
| 149.100 | -.4412 | -.4443 | -.3935 | -.2079 | | .2366 | |
| 180.000 | -.4920 | -.2611 | -.3642 | -.2778 | .2099 | .2366 | .2495 |

0A172 TAILCONE PRESSURES GEAR ON (CFG123)

BETA ( 1) = .000 ALPHA ( 9) = 17.380 Q(PSF) = 61.122 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2318 | -.2472 | -.3296 | -.3026 | .1859 | .1740 | .2661 |
| 44.800 | -.2641 | -.2664 | -.3011 | -.3145 | .1850 | .2384 | |
| 50.100 | -.3072 | -.3219 | -.1756 | -.2161 | .1841 | .2384 | |
| 101.400 | -.3457 | -.4165 | -.4765 | -.2732 | | .2605 | |
| 115.600 | -.4173 | -.5397 | -.5466 | -.3099 | | .2624 | |
| 133.800 | -.4542 | -.4588 | -.4588 | -.1830 | | .2578 | |
| 149.100 | -.4411 | -.4488 | -.4134 | -.2355 | | .2559 | |
| 180.000 | -.4889 | -.2680 | -.3706 | -.2879 | .2311 | .2559 | .2661 |

BETA ( 1) = .000 ALPHA (10) = 19.540 Q(PSF) = 61.122 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2432 | -.2554 | -.3474 | -.2950 | .1889 | .1742 | .2751 |
| 44.800 | -.2784 | -.2754 | -.3206 | -.3087 | .1879 | .2467 | |
| 50.100 | -.2976 | -.4041 | -.1496 | -.2034 | .1834 | .2430 | |
| 101.400 | -.3497 | -.4156 | -.4540 | -.2254 | | .2687 | |
| 115.600 | -.4348 | -.5590 | -.5636 | -.2995 | | .2705 | |
| 133.800 | -.4701 | -.4770 | -.4854 | -.1906 | | .2659 | |
| 149.100 | -.4639 | -.4731 | -.4601 | -.2785 | | .2659 | |
| 180.000 | -.4762 | -.2884 | -.3893 | -.3087 | .2522 | .2669 | .2751 |

BETA ( 1) = .000 ALPHA (11) = 21.730 Q(PSF) = 61.122 PO = 2128.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2502 | -.2624 | -.3523 | -.2842 | .1741 | .1668 | .2781 |
| 44.800 | -.2792 | -.2830 | -.3241 | -.2942 | .1705 | .2398 | |
| 50.100 | -.2959 | -.4507 | -.1130 | -.1868 | .1632 | .2389 | |
| 101.400 | -.3569 | -.4202 | -.4339 | -.2041 | | .2708 | |
| 115.600 | -.4880 | -.6138 | -.5925 | -.2778 | | .2727 | |
| 133.800 | -.5033 | -.5231 | -.5360 | -.1968 | | .2672 | |
| 149.100 | -.5673 | -.5742 | -.5597 | -.3443 | | .2672 | |
| 180.000 | -.5010 | -.3127 | -.4245 | -.3443 | .2608 | .2690 | .2781 |

OA172 TAILCONE PRESSURES GEAR ON (CFG124) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = 16.300
H/BW = .125

BETA ( 1) = .000 ALPHA ( 1) = 1.200 Q(PSF) = 61.157 PO = 2128.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2083 | -.2137 | -.2467 | -.3066 | .0357 | .0339 | .0936 |
| 44.800 | -.2237 | -.2168 | -.2252 | -.3194 | .0348 | .0817 | |
| 50.100 | -.2114 | -.2314 | -.2736 | -.2983 | .0376 | .0780 | |
| 101.400 | -.3973 | -.4664 | -.5186 | -.3488 | | .0890 | |
| 115.600 | -.4433 | -.5417 | -.5440 | -.3102 | | .1001 | |
| 133.800 | -.4518 | -.4802 | -.5678 | -.2625 | | .0918 | |
| 149.100 | -.4741 | -.5002 | -.4971 | -.3075 | | .0991 | |
| 180.000 | -.4595 | -.3281 | -.4396 | -.3598 | .0982 | .1028 | .0936 |

BETA ( 1) = .000 ALPHA ( 2) = 2.280 Q(PSF) = 61.157 PO = 2128.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2022 | -.1991 | -.2606 | -.3112 | .0357 | .0366 | .0927 |
| 44.800 | -.2222 | -.2060 | -.2406 | -.3222 | .0587 | .0881 | |
| 50.100 | -.2099 | -.2498 | -.2998 | -.3277 | .0366 | .0753 | |
| 101.400 | -.3989 | -.4672 | -.5202 | -.3553 | | .0982 | |
| 115.600 | -.4426 | -.5456 | -.5471 | -.3130 | | .1047 | |
| 133.800 | -.4503 | -.4787 | -.5617 | -.2571 | | .1056 | |
| 149.100 | -.4741 | -.4964 | -.4826 | -.2919 | | .1047 | |
| 180.000 | -.4465 | -.3259 | -.4324 | -.3488 | .0982 | .1074 | .0927 |

BETA ( 1) = .000 ALPHA ( 3) = 4.430 Q(PSF) = 61.157 PO = 2128.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2324 | -.2363 | -.3170 | -.3106 | .0533 | .0413 | .0836 |
| 44.800 | -.2101 | -.2017 | -.2509 | -.3345 | .0560 | .0993 | |
| 50.100 | -.2117 | -.2655 | -.3009 | -.3419 | .0551 | .0938 | |
| 101.400 | -.3924 | -.4639 | -.5224 | -.3603 | | .1039 | |
| 115.600 | -.4393 | -.5431 | -.5493 | -.3208 | | .1076 | |
| 133.800 | -.4501 | -.4770 | -.5493 | -.2417 | | .1186 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG124)

BETA ( 1) = .000 ALPHA ( 3) = 4.430

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4724 | -.4916 | -.4670 | -.2665 | | .1140 | |
| 180.000 | -.4462 | -.3209 | -.4108 | -.3226 | .1122 | .1168 | .0836 |

BETA ( 1) = .000 ALPHA ( 4) = 6.590 Q(PSF) = 61.157 PO = 2128.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2309 | -.2301 | -.2986 | -.3447 | .0726 | .0569 | .0965 |
| 44.800 | -.2317 | -.2432 | -.2671 | -.3539 | .0744 | .1122 | |
| 50.100 | -.2094 | -.2732 | -.3071 | -.3364 | .0781 | .1030 | |
| 101.400 | -.3855 | -.4578 | -.5247 | -.3658 | | .1140 | |
| 115.600 | -.4394 | -.5478 | -.5540 | -.3300 | | .1113 | |
| 133.800 | -.4486 | -.4724 | -.5324 | -.2316 | | .1131 | |
| 149.100 | -.4717 | -.4847 | -.4463 | -.2445 | | .1195 | |
| 180.000 | -.4624 | -.3024 | -.4072 | -.3189 | .1241 | .1223 | .0965 |

BETA ( 1) = .000 ALPHA ( 5) = 8.740 Q(PSF) = 61.157 PO = 2128.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2224 | -.2447 | -.3155 | -.3557 | .0901 | .0735 | .1205 |
| 44.800 | -.2294 | -.2378 | -.2593 | -.3566 | .0845 | .1158 | |
| 50.100 | -.2217 | -.2740 | -.3116 | -.3777 | .0799 | .1251 | |
| 101.400 | -.3816 | -.4608 | -.5270 | -.3722 | | .1278 | |
| 115.600 | -.4416 | -.5547 | -.5578 | -.3355 | | .1287 | |
| 133.800 | -.4470 | -.4708 | -.5139 | -.2279 | | .1195 | |
| 149.100 | -.4716 | -.4808 | -.4309 | -.2279 | | .1251 | |
| 180.000 | -.4878 | -.2847 | -.4090 | -.3198 | .1297 | .1251 | .1205 |

0A172 TAILCONE PRESSURES GEAR ON (CFG124)

BETA ( 1) = .000 ALPHA ( 6) = 10.890 Q(PSF) = 61.157 PO = 2128.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2326 | -.2203 | -.3188 | -.3716 | .1132 | .0947 | .1565 |
| 44.800 | -.2249 | -.2341 | -.2688 | -.4001 | .1187 | .1408 | |
| 50.100 | -.2318 | -.2795 | -.2942 | -.3964 | .1141 | .1500 | |
| 101.400 | -.3742 | -.4527 | -.5335 | -.3762 | | .1463 | |
| 115.600 | -.4435 | -.5589 | -.5651 | -.3449 | | .1473 | |
| 133.800 | -.4466 | -.4658 | -.4989 | -.2217 | | .1509 | |
| 149.100 | -.4666 | -.4712 | -.4189 | -.2198 | | .1399 | |
| 180.000 | -.4881 | -.2757 | -.4019 | -.3164 | .1399 | .1380 | .1565 |

BETA ( 1) = .000 ALPHA ( 7) = 13.060 Q(PSF) = 61.157 PO = 2128.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2208 | -.2370 | -.3608 | -.3960 | .1490 | .1085 | .1830 |
| 44.800 | -.2347 | -.2347 | -.2762 | -.4135 | .1416 | .1600 | |
| 50.100 | -.2301 | -.2808 | -.2908 | -.4070 | .1416 | .1674 | |
| 101.400 | -.3646 | -.4484 | -.5338 | -.3740 | | .1683 | |
| 115.600 | -.4400 | -.5599 | -.5692 | -.3455 | | .1738 | |
| 133.800 | -.4484 | -.4654 | -.4830 | -.2178 | | .1674 | |
| 149.100 | -.4623 | -.4654 | -.4146 | -.2270 | | .1545 | |
| 180.000 | -.5069 | -.2762 | -.3951 | -.3097 | .1462 | .1628 | .1830 |

BETA ( 1) = .000 ALPHA ( 8) = 15.240 Q(PSF) = 61.157 PO = 2128.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2207 | -.2515 | -.3698 | -.3986 | .1645 | .1259 | .1995 |
| 44.800 | -.2369 | -.2384 | -.2945 | -.4463 | .1581 | .1811 | |
| 50.100 | -.2261 | -.2915 | -.2768 | -.4142 | .1470 | .1802 | |
| 101.400 | -.3614 | -.4436 | -.5289 | -.3609 | | .1930 | |
| 115.600 | -.4344 | -.5581 | -.5720 | -.3508 | | .1940 | |
| 133.800 | -.4513 | -.4659 | -.4767 | -.2168 | | .1838 | |
| 149.100 | -.4590 | -.4636 | -.4190 | -.2388 | | .1829 | |
| 180.000 | -.5036 | -.2768 | -.3876 | -.3095 | .1581 | .1756 | .1995 |

0A172 TAILCONE PRESSURES GEAR ON (CFG124)

BETA ( 1) = .000 ALPHA ( 9) = 17.410 Q(PSF) = 61.157 PO = 2128.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2188 | -.2334 | -.3691 | -.3960 | .1780 | .1376 | .2092 |
| 44.800 | -.2303 | -.2295 | -.2947 | -.4381 | .1734 | .1991 | |
| 50.100 | -.2157 | -.2771 | -.2732 | -.4189 | .1651 | .2037 | |
| 101.400 | -.3645 | -.4451 | -.5248 | -.3373 | | .2074 | |
| 115.600 | -.4389 | -.5655 | -.5854 | -.3538 | | .2092 | |
| 133.800 | -.4757 | -.4834 | -.4965 | -.2218 | | .2009 | |
| 149.100 | -.4604 | -.4704 | -.4412 | -.2686 | | .1982 | |
| 180.000 | -.4949 | -.2886 | -.3978 | -.3245 | .1807 | .1982 | .2092 |

BETA ( 1) = .000 ALPHA (10) = 19.590 Q(PSF) = 61.157 PO = 2128.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1726 | -.2132 | -.3596 | -.3644 | .1906 | .1475 | .2365 |
| 44.800 | -.2009 | -.2117 | -.2906 | -.4194 | .1943 | .2209 | |
| 50.100 | -.2163 | -.2523 | -.2730 | -.4130 | .1815 | .2181 | |
| 101.400 | -.3756 | -.4523 | -.5120 | -.3086 | | .2292 | |
| 115.600 | -.4645 | -.5956 | -.6124 | -.3535 | | .2282 | |
| 133.800 | -.4952 | -.5074 | -.5274 | -.2372 | | .2273 | |
| 149.100 | -.4852 | -.4975 | -.4944 | -.3187 | | .2264 | |
| 180.000 | -.5082 | -.3074 | -.4240 | -.3525 | .2090 | .2237 | .2365 |

BETA ( 1) = .000 ALPHA (11) = 21.780 Q(PSF) = 61.157 PO = 2128.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1707 | -.2097 | -.3604 | -.3491 | .1985 | .1463 | .2425 |
| 44.800 | -.2113 | -.2090 | -.2877 | -.4085 | .1939 | .2260 | |
| 50.100 | -.2120 | -.2434 | -.2732 | -.3903 | .1793 | .2242 | |
| 101.400 | -.3757 | -.4537 | -.4996 | -.2870 | | .2443 | |
| 115.600 | -.5218 | -.6511 | -.6457 | -.3336 | | .2434 | |
| 133.800 | -.5340 | -.5547 | -.5799 | -.2441 | | .2388 | |
| 149.100 | -.6006 | -.5929 | -.5983 | -.3930 | | .2397 | |
| 180.000 | -.5210 | -.3329 | -.4606 | -.3875 | .2324 | .2379 | .2425 |

0A172 TAILCONE PRESSURES GEAR ON (CFG125) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

BETA ( 1) = .000 ALPHA ( 1) = -4.270 Q(PSF) = 61.179 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2399 | -.2399 | -.1939 | -.0894 | .0902 | .0627 | .1187 |
| 44.800 | -.2606 | -.2299 | -.1847 | -.1169 | .0866 | .1150 | |
| 50.100 | -.2184 | -.2990 | -.2622 | -.1426 | .0875 | .1150 | |
| 101.400 | -.3918 | -.4539 | -.4707 | -.2553 | | .1270 | |
| 115.600 | -.4631 | -.5536 | -.5221 | -.2507 | | .1297 | |
| 133.800 | -.4439 | -.4769 | -.5835 | -.2763 | | .1187 | |
| 149.100 | -.4539 | -.4899 | -.5221 | -.3524 | | .1196 | |
| 180.000 | -.4010 | -.3243 | -.4559 | -.3954 | .1260 | .1187 | .1187 |

BETA ( 1) = .000 ALPHA ( 2) = .030 Q(PSF) = 61.179 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2201 | -.2178 | -.1694 | -.0675 | .1325 | .1178 | .1821 |
| 44.800 | -.2331 | -.1802 | -.1802 | -.1151 | .1353 | .1692 | |
| 50.100 | -.2193 | -.2945 | -.2738 | -.1573 | .1371 | .1720 | |
| 101.400 | -.3865 | -.4510 | -.4786 | -.2746 | | .1683 | |
| 115.600 | -.4348 | -.5292 | -.5116 | -.2581 | | .1747 | |
| 133.800 | -.4364 | -.4648 | -.5499 | -.2370 | | .1747 | |
| 149.100 | -.4556 | -.4839 | -.4832 | -.2893 | | .1766 | |
| 180.000 | -.4141 | -.3244 | -.4213 | -.3351 | .1500 | .1757 | .1821 |

BETA ( 1) = .000 ALPHA ( 3) = 4.350 Q(PSF) = 61.179 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2201 | -.2209 | -.1649 | -.0556 | .1390 | .1261 | .1895 |
| 44.800 | -.2585 | -.2684 | -.1779 | -.1170 | .1436 | .1775 | |
| 50.100 | -.2232 | -.3528 | -.2700 | -.1646 | .1463 | .1775 | |
| 101.400 | -.3751 | -.4411 | -.4771 | -.2912 | | .1757 | |
| 115.600 | -.4227 | -.5193 | -.5101 | -.2710 | | .1803 | |
| 133.800 | -.4311 | -.4549 | -.5178 | -.2041 | | .1840 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG125)

BETA ( 1) = .000 ALPHA ( 3) = 4.350

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4526 | -.4679 | -.4372 | -.2307 | | .1830 | |
| 180.000 | -.4196 | -.3007 | -.3847 | -.2783 | .1564 | .1830 | .1895 |

BETA ( 1) = .000 ALPHA ( 4) = 8.650 Q(PSF) = 61.179 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2061 | -.2069 | -.1553 | -.0456 | .1522 | .1495 | .2204 |
| 44.800 | -.2376 | -.2130 | -.1592 | -.1035 | .1550 | .1992 | |
| 50.100 | -.2246 | -.3323 | -.2446 | -.1440 | .1596 | .2001 | |
| 101.400 | -.3615 | -.4315 | -.4746 | -.2957 | | .1983 | |
| 115.600 | -.4215 | -.5231 | -.5146 | -.2837 | | .2011 | |
| 133.800 | -.4262 | -.4454 | -.4808 | -.1872 | | .2029 | |
| 149.100 | -.4485 | -.4546 | -.4015 | -.1927 | | .2029 | |
| 180.000 | -.4492 | -.2638 | -.3793 | -.2630 | .1771 | .2029 | .2204 |

BETA ( 1) = .000 ALPHA ( 5) = 12.940 Q(PSF) = 61.179 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2210 | -.2194 | -.1586 | -.0300 | .1626 | .1552 | .2363 |
| 44.800 | -.2410 | -.2032 | -.1393 | -.0852 | .1681 | .2142 | |
| 50.100 | -.2240 | -.2733 | -.2094 | -.1138 | .1727 | .2133 | |
| 101.400 | -.3442 | -.4197 | -.4790 | -.3015 | | .2170 | |
| 115.600 | -.4220 | -.5337 | -.5283 | -.2987 | | .2179 | |
| 133.800 | -.4297 | -.4436 | -.4528 | -.1837 | | .2142 | |
| 149.100 | -.4428 | -.4451 | -.3896 | -.1947 | | .2142 | |
| 180.000 | -.4721 | -.2618 | -.3751 | -.2794 | .1847 | .2151 | .2363 |

OA172 TAILCONE PRESSURES GEAR ON (CFG125)

BETA ( 1) = .000 ALPHA ( 6) = 17.300 Q(PSF) = 61.179 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2034 | -.2011 | -.1504 | -.0226 | .1814 | .1768 | .2651 |
| 44.800 | -.2073 | -.1550 | -.1013 | -.0639 | .1823 | .2402 | |
| 50.100 | -.2211 | -.1873 | -.1320 | -.0767 | .1869 | .2402 | |
| 101.400 | -.3386 | -.4154 | -.4761 | -.2814 | | .2457 | |
| 115.600 | -.4131 | -.5345 | -.5437 | -.3153 | | .2467 | |
| 133.800 | -.4507 | -.4546 | -.4584 | -.1841 | | .2448 | |
| 149.100 | -.4385 | -.4438 | -.4146 | -.2382 | | .2439 | |
| 180.000 | -.4584 | -.2641 | -.3713 | -.2915 | .2071 | .2448 | .2651 |

BETA ( 1) = .000 ALPHA ( 7) = 21.610 Q(PSF) = 61.179 PO = 2194.2

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2295 | -.2227 | -.1629 | -.0106 | .1753 | .1835 | .2926 |
| 44.800 | -.2096 | -.1262 | -.0826 | -.0380 | .1799 | .2587 | |
| 50.100 | -.2219 | -.1783 | -.0833 | -.0554 | .1826 | .2559 | |
| 101.400 | -.3612 | -.4301 | -.4592 | -.2329 | | .2770 | |
| 115.600 | -.4669 | -.5939 | -.5970 | -.3179 | | .2788 | |
| 133.800 | -.4837 | -.5013 | -.5312 | -.2155 | | .2761 | |
| 149.100 | -.5511 | -.5656 | -.5534 | -.3490 | | .2770 | |
| 180.000 | -.4730 | -.3023 | -.4259 | -.3545 | .2422 | .2761 | .2926 |

0A172 TAILCONE PRESSURES GEAR ON (CFG126) ( 27 FEB 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | -10.000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | .000 | BDFLAP = | -11.700 |
| H/BW = | .178 | | |

BETA ( 1) = .000 ALPHA ( 1) = -4.510 Q(PSF) = 61.150 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2651 | -.2636 | -.2198 | -.1246 | .0417 | .0196 | .0675 |
| 44.800 | -.2782 | -.2644 | -.2129 | -.1356 | .0417 | .0665 | |
| 50.100 | -.2090 | -.3505 | -.2282 | -.1549 | .0297 | .0647 | |
| 101.400 | -.3528 | -.4197 | -.4458 | -.2559 | | .0831 | |
| 115.600 | -.4097 | -.4996 | -.4866 | -.2376 | | .0942 | |
| 133.800 | -.4151 | -.4481 | -.5458 | -.2376 | | .0896 | |
| 149.100 | -.4320 | -.4681 | -.4927 | -.3147 | | .0859 | |
| 180.000 | -.3628 | -.3028 | -.4240 | -.3634 | .1199 | .0877 | .0675 |

BETA ( 1) = .000 ALPHA ( 2) = -.180 Q(PSF) = 61.150 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2584 | -.2592 | -.2107 | -.1173 | .0988 | .0823 | .1430 |
| 44.800 | -.2746 | -.2638 | -.2130 | -.1467 | .1016 | .1357 | |
| 50.100 | -.2192 | -.3815 | -.2523 | -.1660 | .1044 | .1384 | |
| 101.400 | -.3430 | -.4154 | -.4492 | -.2690 | | .1329 | |
| 115.600 | -.3977 | -.4939 | -.4862 | -.2497 | | .1430 | |
| 133.800 | -.4100 | -.4408 | -.5139 | -.2037 | | .1449 | |
| 149.100 | -.4346 | -.4600 | -.4531 | -.2524 | | .1449 | |
| 180.000 | -.3761 | -.2984 | -.3894 | -.3048 | .1384 | .1458 | .1430 |

BETA ( 1) = .000 ALPHA ( 3) = 5.200 Q(PSF) = 61.150 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2413 | -.2421 | -.1983 | -.1090 | .1245 | .1172 | .1844 |
| 44.800 | -.2583 | -.2421 | -.2113 | -.1558 | .1291 | .1742 | |
| 50.100 | -.2236 | -.3774 | -.2606 | -.1779 | .1319 | .1724 | |
| 101.400 | -.3298 | -.4067 | -.4551 | -.2909 | | .1752 | |
| 115.600 | -.4013 | -.5074 | -.5012 | -.2789 | | .1761 | |
| 133.800 | -.4067 | -.4290 | -.4720 | -.1724 | | .1788 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG126)

BETA ( 1) = .000 ALPHA ( 3) = 5.200

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4259 | -.4389 | -.3944 | -.1861 | | .1798 | |
| 180.000 | -.3605 | -.2721 | -.3460 | -.2431 | .1558 | .1779 | .1844 |

BETA ( 1) = .000 ALPHA ( 4) = 8.420 Q(PSF) = 61.150 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2298 | -.2298 | -.1929 | -.1108 | .1337 | .1328 | .2036 |
| 44.800 | -.2451 | -.2259 | -.2028 | -.1530 | .1346 | .1898 | |
| 50.100 | -.2267 | -.3674 | -.2528 | -.1778 | .1365 | .1880 | |
| 101.400 | -.3197 | -.3996 | -.4565 | -.2982 | | .1990 | |
| 115.600 | -.4104 | -.5219 | -.5142 | -.2954 | | .1981 | |
| 133.800 | -.4020 | -.4204 | -.4458 | -.1659 | | .1889 | |
| 149.100 | -.4227 | -.4258 | -.3666 | -.1650 | | .1871 | |
| 180.000 | -.3766 | -.2405 | -.3514 | -.2531 | .1687 | .1852 | .2036 |

BETA ( 1) = .000 ALPHA ( 5) = 12.720 Q(PSF) = 61.150 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2154 | -.2161 | -.1846 | -.0971 | .1449 | .1477 | .2204 |
| 44.800 | -.2269 | -.1961 | -.1800 | -.1375 | .1467 | .2038 | |
| 50.100 | -.2254 | -.3262 | -.2238 | -.1569 | .1477 | .2048 | |
| 101.400 | -.3115 | -.3977 | -.4685 | -.3122 | | .2131 | |
| 115.600 | -.4177 | -.5355 | -.5339 | -.3187 | | .2140 | |
| 133.800 | -.4085 | -.4224 | -.4270 | -.1605 | | .2002 | |
| 149.100 | -.4208 | -.4224 | -.3685 | -.1835 | | .1983 | |
| 180.000 | -.4000 | -.2315 | -.3499 | -.2617 | .1734 | .2002 | .2204 |

OA172 TAILCONE PRESSURES GEAR ON (CFG126)

BETA ( 1) = .000 ALPHA ( 6) = 17.050 Q(PSF) = 61.150 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1917 | -.1909 | -.1695 | -.0867 | .1638 | .1711 | .2437 |
| 44.800 | -.1963 | -.1280 | -.1357 | -.1096 | .1628 | .2299 | |
| 50.100 | -.2201 | -.2163 | -.1633 | -.1170 | .1619 | .2308 | |
| 101.400 | -.3252 | -.4142 | -.4894 | -.3086 | | .2290 | |
| 115.600 | -.4066 | -.5362 | -.5554 | -.3398 | | .2363 | |
| 133.800 | -.4211 | -.4342 | -.4526 | -.1747 | | .2317 | |
| 149.100 | -.4372 | -.4488 | -.4234 | -.2407 | | .2281 | |
| 180.000 | -.4058 | -.2424 | -.3572 | -.2847 | .1895 | .2271 | .2437 |

BETA ( 1) = .000 ALPHA ( 7) = 21.410 Q(PSF) = 61.150 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1864 | -.1841 | -.1543 | -.0617 | .1631 | .1860 | .2812 |
| 44.800 | -.1948 | -.1123 | -.1016 | -.0764 | .1650 | .2510 | |
| 50.100 | -.2177 | -.1704 | -.1061 | -.0791 | .1650 | .2510 | |
| 101.400 | -.3446 | -.4295 | -.4853 | -.2700 | | .2620 | |
| 115.600 | -.4379 | -.5786 | -.6023 | -.3412 | | .2647 | |
| 133.800 | -.4478 | -.4754 | -.5113 | -.2088 | | .2629 | |
| 149.100 | -.5824 | -.5786 | -.5266 | -.2983 | | .2638 | |
| 180.000 | -.4196 | -.2720 | -.3978 | -.3403 | .2318 | .2647 | .2812 |

OA172 TAILCONE PRESSURES GEAR ON (CFG127) ( 27 FEB 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | -5.000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | .000 | BDFLAP = | -11.700 |
| H/BW = | .178 | | |

BETA ( 1) = .000 ALPHA ( 1) = -4.370 Q(PSF) = 61.141 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2543 | -.2535 | -.2013 | -.1043 | .0647 | .0454 | .0923 |
| 44.800 | -.2612 | -.2020 | -.1944 | -.1218 | .0647 | .0941 | |
| 50.100 | -.1751 | -.2643 | -.2328 | -.1383 | .0656 | .0886 | |
| 101.400 | -.3704 | -.4373 | -.4580 | -.2531 | | .1015 | |
| 115.600 | -.4349 | -.5233 | -.5003 | -.2403 | | .1052 | |
| 133.800 | -.4296 | -.4619 | -.5625 | -.2568 | | .1052 | |
| 149.100 | -.4434 | -.4795 | -.5072 | -.3330 | | .1024 | |
| 180.000 | -.3681 | -.3097 | -.4377 | -.3762 | .1208 | .1043 | .0923 |

BETA ( 1) = .000 ALPHA ( 2) = -.050 Q(PSF) = 61.141 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2458 | -.2450 | -.1889 | -.0905 | .1199 | .1015 | .1677 |
| 44.800 | -.2558 | -.2012 | -.1951 | -.1291 | .1235 | .1603 | |
| 50.100 | -.1889 | -.3096 | -.2489 | -.1566 | .1235 | .1594 | |
| 101.400 | -.3664 | -.4356 | -.4663 | -.2732 | | .1520 | |
| 115.600 | -.4164 | -.5101 | -.4994 | -.2530 | | .1631 | |
| 133.800 | -.4248 | -.4540 | -.5332 | -.2209 | | .1640 | |
| 149.100 | -.4463 | -.4732 | -.4686 | -.2714 | | .1649 | |
| 180.000 | -.3872 | -.3119 | -.4036 | -.3164 | .1438 | .1631 | .1677 |

BETA ( 1) = .000 ALPHA ( 3) = 4.240 Q(PSF) = 61.141 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2285 | -.2293 | -.1763 | -.0830 | .1334 | .1224 | .1858 |
| 44.800 | -.2423 | -.1902 | -.1917 | -.1316 | .1371 | .1757 | |
| 50.100 | -.1971 | -.3305 | -.2477 | -.1655 | .1362 | .1757 | |
| 101.400 | -.3536 | -.4264 | -.4656 | -.2875 | | .1674 | |
| 115.600 | -.4088 | -.5101 | -.5032 | -.2682 | | .1748 | |
| 133.800 | -.4180 | -.4426 | -.4993 | -.1912 | | .1794 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG127)

BETA ( 1) = .000 ALPHA ( 3) = 4.240

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4410 | -.4564 | -.4203 | -.2141 | | .1794 | |
| 180.000 | -.3681 | -.2891 | -.3654 | -.2627 | .1536 | .1794 | .1858 |

BETA ( 1) = .000 ALPHA ( 4) = 8.560 Q(PSF) = 61.141 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2198 | -.2213 | -.1698 | -.0768 | .1457 | .1420 | .2119 |
| 44.800 | -.2359 | -.1959 | -.1806 | -.1282 | .1466 | .1963 | |
| 50.100 | -.2021 | -.3289 | -.2298 | -.1613 | .1466 | .1972 | |
| 101.400 | -.3420 | -.4166 | -.4658 | -.2554 | | .1944 | |
| 115.600 | -.4143 | -.5204 | -.5119 | -.2881 | | .1963 | |
| 133.800 | -.4158 | -.4335 | -.4627 | -.1769 | | .1935 | |
| 149.100 | -.4366 | -.4427 | -.3858 | -.1787 | | .1935 | |
| 180.000 | -.3950 | -.2513 | -.3652 | -.2669 | .1705 | .1954 | .2119 |

BETA ( 1) = .000 ALPHA ( 5) = 12.830 Q(PSF) = 61.141 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2214 | -.2206 | -.1660 | -.0612 | .1540 | .1531 | .2286 |
| 44.800 | -.2367 | -.2021 | -.1591 | -.1090 | .1577 | .2083 | |
| 50.100 | -.2091 | -.2975 | -.1983 | -.1374 | .1623 | .2101 | |
| 101.400 | -.3275 | -.4105 | -.4736 | -.3065 | | .2120 | |
| 115.600 | -.4182 | -.5320 | -.5289 | -.3056 | | .2147 | |
| 133.800 | -.4190 | -.4336 | -.4397 | -.1714 | | .2055 | |
| 149.100 | -.4321 | -.4344 | -.3767 | -.1861 | | .2037 | |
| 180.000 | -.4121 | -.2437 | -.3561 | -.2707 | .1789 | .2046 | .2286 |

OA172 TAILCONE PRESSURES GEAR ON (CFG127)

BETA ( 1) = .000 ALPHA ( 6) = 17.160 Q(PSF) = 61.141 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2053 | -.2022 | -.1538 | -.0483 | .1734 | .1743 | .2572 |
| 44.800 | -.2161 | -.1514 | -.1168 | -.0805 | .1734 | .2369 | |
| 50.100 | -.2099 | -.2115 | -.1384 | -.0952 | .1762 | .2369 | |
| 101.400 | -.3307 | -.4146 | -.4815 | -.2938 | | .2369 | |
| 115.600 | -.4084 | -.5330 | -.5469 | -.3259 | | .2406 | |
| 133.800 | -.4330 | -.4446 | -.4546 | -.1798 | | .2369 | |
| 149.100 | -.4346 | -.4438 | -.4153 | -.2405 | | .2369 | |
| 180.000 | -.4176 | -.2507 | -.3627 | -.2855 | .2001 | .2351 | .2572 |

BETA ( 1) = -.010 ALPHA ( 7) = 21.530 Q(PSF) = 61.141 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2161 | -.2122 | -.1555 | -.0335 | .1664 | .1810 | .2875 |
| 44.800 | -.2222 | -.1325 | -.0903 | -.0555 | .1682 | .2526 | |
| 50.100 | -.2161 | -.1524 | -.0842 | -.0637 | .1691 | .2517 | |
| 101.400 | -.3525 | -.4292 | -.4729 | -.2506 | | .2691 | |
| 115.600 | -.4491 | -.5840 | -.5978 | -.3284 | | .2719 | |
| 133.800 | -.4637 | -.4882 | -.5204 | -.2103 | | .2700 | |
| 149.100 | -.5717 | -.5794 | -.5518 | -.3312 | | .2691 | |
| 180.000 | -.4307 | -.2835 | -.4090 | -.3486 | .2398 | .2691 | .2875 |

OA172 TAILCONE PRESSURES GEAR ON (CFG128) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

BETA ( 1) = .000 ALPHA ( 1) = -4.190 Q(PSF) = 61.083 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2081 | -.2073 | -.1564 | -.0752 | .1074 | .0898 | .1433 |
| 44.800 | -.2181 | -.1749 | -.1695 | -.1074 | .1101 | .1350 | |
| 50.100 | -.1742 | -.2497 | -.2551 | -.1480 | .1092 | .1387 | |
| 101.400 | -.4047 | -.4641 | -.4718 | -.2521 | | .1415 | |
| 115.600 | -.4880 | -.5736 | -.5335 | -.2578 | | .1415 | |
| 133.800 | -.4564 | -.4872 | -.5944 | -.2898 | | .1406 | |
| 149.100 | -.4625 | -.4996 | -.5319 | -.3635 | | .1350 | |
| 180.000 | -.3916 | -.3261 | -.4575 | -.4013 | .1313 | .1360 | .1433 |

BETA ( 1) = .000 ALPHA ( 2) = .130 Q(PSF) = 61.083 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2137 | -.2113 | -.1465 | -.0513 | .1389 | .1278 | .1897 |
| 44.800 | -.2245 | -.1774 | -.1669 | -.1075 | .1490 | .1767 | |
| 50.100 | -.1789 | -.2692 | -.2654 | -.1693 | .1481 | .1767 | |
| 101.400 | -.3981 | -.4614 | -.4807 | -.2716 | | .1749 | |
| 115.600 | -.4514 | -.5409 | -.5200 | -.2597 | | .1804 | |
| 133.800 | -.4460 | -.4737 | -.5579 | -.2468 | | .1841 | |
| 149.100 | -.4637 | -.4915 | -.4915 | -.3012 | | .1841 | |
| 180.000 | -.4120 | -.3233 | -.4284 | -.3417 | .1546 | .1841 | .1897 |

BETA ( 1) = .000 ALPHA ( 3) = 4.460 Q(PSF) = 61.083 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1979 | -.1994 | -.1334 | -.0381 | .1473 | .1307 | .1923 |
| 44.800 | -.2148 | -.1795 | -.1595 | -.0987 | .1519 | .1803 | |
| 50.100 | -.1833 | -.3092 | -.2631 | -.1729 | .1528 | .1794 | |
| 101.400 | -.3859 | -.4512 | -.4788 | -.2866 | | .1813 | |
| 115.600 | -.4320 | -.5256 | -.5118 | -.2656 | | .1849 | |
| 133.800 | -.4374 | -.4619 | -.5271 | -.2124 | | .1858 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG128)

BETA ( 1) = .000 ALPHA ( 3) = 4.460

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4581 | -.4750 | -.4481 | -.2408 | | .1849 | |
| 180.000 | -.4051 | -.3053 | -.3903 | -.2876 | .1583 | .1877 | .1923 |

BETA ( 1) = .000 ALPHA ( 4) = 8.730 Q(PSF) = 61.083 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2030 | -.2030 | -.1307 | -.0244 | .1541 | .1504 | .2241 |
| 44.800 | -.2230 | -.1891 | -.1438 | -.0842 | .1624 | .2020 | |
| 50.100 | -.1861 | -.3007 | -.2422 | -.1504 | .1660 | .2010 | |
| 101.400 | -.3707 | -.4376 | -.4738 | -.2892 | | .2047 | |
| 115.500 | -.4230 | -.5223 | -.5115 | -.2782 | | .2084 | |
| 133.800 | -.4315 | -.4515 | -.4923 | -.1936 | | .2066 | |
| 149.100 | -.4538 | -.4630 | -.4115 | -.2028 | | .2084 | |
| 180.000 | -.4223 | -.2722 | -.3903 | -.2883 | .1835 | .2084 | .2241 |

BETA ( 1) = .000 ALPHA ( 5) = 13.020 Q(PSF) = 61.083 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2026 | -.1988 | -.1232 | -.0024 | .1737 | .1599 | .2448 |
| 44.800 | -.2126 | -.2011 | -.1163 | -.0595 | .1756 | .2199 | |
| 50.100 | -.1911 | -.2774 | -.2072 | -.1000 | .1793 | .2199 | |
| 101.400 | -.3514 | -.4231 | -.4732 | -.2897 | | .2236 | |
| 115.600 | -.4239 | -.5310 | -.5241 | -.2888 | | .2254 | |
| 133.800 | -.4370 | -.4508 | -.4609 | -.1894 | | .2236 | |
| 149.100 | -.4501 | -.4524 | -.3969 | -.1995 | | .2245 | |
| 180.000 | -.4354 | -.2635 | -.3754 | -.2805 | .1931 | .2245 | .2448 |

0A172 TAILCONE PRESSURES GEAR ON (CF0128)

BETA ( 1) = .000 ALPHA ( 6) = 17.360 Q(PSF) = 61.083 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1735 | -.1698 | -.1152 | -.0015 | .1889 | .1806 | .2699 |
| 44.800 | -.1552 | -.1313 | -.0868 | -.0474 | .1889 | .2432 | |
| 50.100 | -.1836 | -.2013 | -.1506 | -.0593 | .1926 | .2423 | |
| 101.400 | -.3404 | -.4127 | -.4688 | -.2706 | | .2496 | |
| 115.600 | -.4158 | -.5326 | -.5364 | -.3064 | | .2524 | |
| 133.800 | -.4542 | -.4565 | -.4596 | -.1907 | | .2515 | |
| 149.100 | -.4427 | -.4496 | -.4134 | -.2348 | | .2524 | |
| 180.000 | -.4396 | -.2589 | -.3734 | -.2809 | .2147 | .2524 | .2699 |

BETA ( 1) = .000 ALPHA ( 7) = 21.730 Q(PSF) = 61.083 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1916 | -.1847 | -.1175 | .0113 | .1822 | .1868 | .2956 |
| 44.800 | -.1603 | -.1007 | -.0671 | -.0188 | .1886 | .2572 | |
| 50.100 | -.1855 | -.2122 | -.1022 | -.0380 | .1932 | .2572 | |
| 101.400 | -.3642 | -.4292 | -.4483 | -.2269 | | .2810 | |
| 115.600 | -.4811 | -.6033 | -.5964 | -.3118 | | .2819 | |
| 133.800 | -.4979 | -.5178 | -.5422 | -.2241 | | .2791 | |
| 149.100 | -.5407 | -.5491 | -.5529 | -.3601 | | .2791 | |
| 180.000 | -.4597 | -.3108 | -.4295 | -.3565 | .2435 | .2801 | .2956 |

OA172 TAILCONE PRESSURES GEAR ON (CFG129) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = 10.000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = -11.700
H/BW = .178

BETA ( 1) = .000 ALPHA ( 1) = -4.100 Q(PSF) = 61.084 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2499 | -.2522 | -.1737 | -.0658 | .1237 | .1043 | .1651 |
| 44.800 | -.2653 | -.2537 | -.1922 | -.1136 | .1283 | .1550 | |
| 50.100 | -.1899 | -.3422 | -.2260 | -.1503 | .1329 | .1577 | |
| 101.400 | -.4137 | -.4706 | -.4745 | -.2487 | | .1586 | |
| 115.600 | -.5075 | -.5960 | -.5506 | -.2643 | | .1586 | |
| 133.800 | -.4614 | -.4952 | -.6052 | -.3020 | | .1531 | |
| 149.100 | -.4668 | -.5052 | -.5406 | -.3746 | | .1559 | |
| 180.000 | -.3960 | -.3322 | -.4628 | -.4077 | .1365 | .1568 | .1651 |

BETA ( 1) = .000 ALPHA ( 2) = .220 Q(PSF) = 61.084 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2485 | -.2469 | -.1569 | -.0382 | .1440 | .1228 | .1928 |
| 44.800 | -.2639 | -.2515 | -.1969 | -.1118 | .1523 | .1781 | |
| 50.100 | -.2023 | -.3270 | -.2408 | -.1808 | .1541 | .1771 | |
| 101.400 | -.4101 | -.4670 | -.4824 | -.2663 | | .1781 | |
| 115.600 | -.4693 | -.5586 | -.5309 | -.2635 | | .1845 | |
| 133.800 | -.4547 | -.4817 | -.5725 | -.2580 | | .1854 | |
| 149.100 | -.4709 | -.4978 | -.5032 | -.3132 | | .1845 | |
| 180.000 | -.4101 | -.3277 | -.4318 | -.3481 | .1569 | .1864 | .1928 |

BETA ( 1) = .000 ALPHA ( 3) = 4.520 Q(PSF) = 61.084 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2415 | -.2407 | -.1469 | -.0318 | .1449 | .1265 | .1937 |
| 44.800 | -.2569 | -.2423 | -.1861 | -.1035 | .1550 | .1790 | |
| 50.100 | -.2123 | -.3185 | -.2369 | -.1853 | .1596 | .1790 | |
| 101.400 | -.3992 | -.4577 | -.4816 | -.2782 | | .1863 | |
| 115.600 | -.4454 | -.5370 | -.5185 | -.2662 | | .1909 | |
| 133.800 | -.4470 | -.4700 | -.5378 | -.2194 | | .1900 | |

OA172 TAILCONE PRESSURES GEAR ON (CF0129)

BETA ( 1) = .000 ALPHA ( 3) = 4.520

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4654 | -.4839 | -.4593 | -.2506 | | .1909 | |
| 180.000 | -.4085 | -.3069 | -.3977 | -.2938 | .1624 | .1900 | .1937 |

BETA ( 1) = .000 ALPHA ( 4) = 8.820 Q(PSF) = 61.084 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2294 | -.2271 | -.1324 | -.0171 | .1589 | .1441 | .2234 |
| 44.800 | -.2410 | -.2110 | -.1455 | -.0723 | .1663 | .2004 | |
| 50.100 | -.2187 | -.2288 | -.2040 | -.1441 | .1709 | .2041 | |
| 101.400 | -.3850 | -.4451 | -.4736 | -.2767 | | .2096 | |
| 115.600 | -.4343 | -.5291 | -.5152 | -.2730 | | .2096 | |
| 133.800 | -.4451 | -.4621 | -.5075 | -.1994 | | .2098 | |
| 149.100 | -.4659 | -.4744 | -.4243 | -.2122 | | .2095 | |
| 180.000 | -.4305 | -.2772 | -.3954 | -.2932 | .1902 | .2096 | .2234 |

BETA ( 1) = .000 ALPHA ( 5) = 13.110 Q(PSF) = 61.084 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2155 | -.2116 | -.1169 | .0104 | .1763 | .1616 | .2482 |
| 44.800 | -.2209 | -.1493 | -.0954 | -.0410 | .1791 | .2233 | |
| 50.100 | -.2193 | -.2424 | -.1500 | -.0695 | .1809 | .2252 | |
| 101.400 | -.3579 | -.4234 | -.4627 | -.2710 | | .2316 | |
| 115.600 | -.4295 | -.5312 | -.5181 | -.2784 | | .2335 | |
| 133.800 | -.4442 | -.4588 | -.4742 | -.1956 | | .2325 | |
| 149.100 | -.4580 | -.4627 | -.4057 | -.2048 | | .2316 | |
| 180.000 | -.4457 | -.2678 | -.3796 | -.2830 | .2021 | .2325 | .2482 |

OA172 TAILCONE PRESSURES GEAR ON (CFG129)

BETA ( 1) = .000 ALPHA ( 6) = 17.440 Q(PSF) = 61.084 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1852 | -.1814 | -.1075 | .0159 | .1963 | .1844 | .2764 |
| 44.800 | -.1721 | -.1060 | -.0676 | -.0244 | .1945 | .2488 | |
| 50.100 | -.2129 | -.1991 | -.0899 | -.0272 | .1945 | .2460 | |
| 101.400 | -.3452 | -.4121 | -.4567 | -.2541 | | .2626 | |
| 115.600 | -.4274 | -.5397 | -.5359 | -.2964 | | .2626 | |
| 133.800 | -.4551 | -.4643 | -.4643 | -.1990 | | .2617 | |
| 149.100 | -.4513 | -.4582 | -.4190 | -.2376 | | .2617 | |
| 180.000 | -.4544 | -.2752 | -.3772 | -.2936 | .2239 | .2608 | .2764 |

BETA ( 1) = .000 ALPHA ( 7) = 21.800 Q(PSF) = 61.084 PO = 2127.6

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2348 | -.2256 | -.1262 | .0268 | .1771 | .1734 | .2943 |
| 44.800 | -.1973 | -.1063 | -.0588 | -.0042 | .1807 | .2503 | |
| 50.100 | -.2203 | -.2126 | -.0420 | -.0143 | .1798 | .2494 | |
| 101.400 | -.3879 | -.4537 | -.4728 | -.2392 | | .2787 | |
| 115.600 | -.5210 | -.6396 | -.6220 | -.3123 | | .2824 | |
| 133.800 | -.5325 | -.5509 | -.5685 | -.2428 | | .2778 | |
| 149.100 | -.5562 | -.5685 | -.5677 | -.3836 | | .2787 | |
| 180.000 | -.4789 | -.3213 | -.4495 | -.3736 | .2412 | .2787 | .2943 |

0A172 TAILCONE PRESSURES GEAR ON (CFG130) ( 27 FEB 78 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | 25.000 | BDFLAP = | -11.700 |
| H/BW = | .178 | | |

BETA ( 1) = .000 ALPHA ( 1) = -4.280 Q(PSF) = 61.146 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2444 | -.2444 | -.1844 | -.0915 | .0859 | .0693 | .1181 |
| 44.800 | -.2613 | -.2228 | -.1875 | -.1181 | .0951 | .1181 | |
| 50.100 | -.2198 | -.2851 | -.2613 | -.1475 | .0905 | .1116 | |
| 101.400 | -.3928 | -.4589 | -.4758 | -.2633 | | .1236 | |
| 115.600 | -.4704 | -.5611 | -.5319 | -.2623 | | .1310 | |
| 133.800 | -.4520 | -.4942 | -.6119 | -.2963 | | .1291 | |
| 149.100 | -.4635 | -.5273 | -.5903 | -.3781 | | .1273 | |
| 180.000 | -.3505 | -.3997 | -.5563 | -.4167 | .1291 | .1264 | .1181 |

BETA ( 1) = .000 ALPHA ( 2) = .040 Q(PSF) = 61.146 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2293 | -.2299 | -.1660 | -.0732 | .1264 | .1126 | .1725 |
| 44.800 | -.2537 | -.2530 | -.1845 | -.1219 | .1319 | .1633 | |
| 50.100 | -.2237 | -.3499 | -.2683 | -.1614 | .1310 | .1614 | |
| 101.400 | -.3891 | -.4576 | -.4845 | -.2827 | | .1614 | |
| 115.600 | -.4422 | -.5368 | -.5230 | -.2708 | | .1679 | |
| 133.800 | -.4445 | -.4806 | -.5791 | -.2588 | | .1715 | |
| 149.100 | -.4653 | -.5183 | -.5499 | -.3167 | | .1679 | |
| 180.000 | -.3607 | -.3945 | -.5171 | -.3516 | .1467 | .1679 | .1725 |

BETA ( 1) = .000 ALPHA ( 3) = 4.350 Q(PSF) = 61.146 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2114 | -.2129 | -.1521 | -.0630 | .1337 | .1245 | .1871 |
| 44.800 | -.2313 | -.1944 | -.1783 | -.1218 | .1374 | .1724 | |
| 50.100 | -.2244 | -.3336 | -.2629 | -.1659 | .1402 | .1733 | |
| 101.400 | -.3774 | -.4467 | -.4820 | -.2982 | | .1724 | |
| 115.600 | -.4259 | -.5251 | -.5182 | -.2808 | | .1752 | |
| 133.800 | -.4328 | -.4666 | -.5428 | -.2229 | | .1752 | |

0A172 TAILCONE PRESSURES GEAR ON (CFG130)

BETA ( 1) = .000 ALPHA ( 3) = 4.350

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4559 | -.4989 | -.4974 | -.2532 | | .1742 | |
| 180.000 | -.3398 | -.3644 | -.4627 | -.2826 | .1439 | .1742 | .1871 |

BETA ( 1) = .000 ALPHA ( 4) = 8.640 Q(PSF) = 61.146 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2006 | -.1998 | -.1421 | -.0492 | .1457 | .1457 | .2157 |
| 44.800 | -.2244 | -.2037 | -.1598 | -.1090 | .1512 | .1945 | |
| 50.100 | -.2229 | -.3298 | -.2383 | -.1512 | .1549 | .1954 | |
| 101.400 | -.3621 | -.4343 | -.4789 | -.3019 | | .1945 | |
| 115.600 | -.4220 | -.5258 | -.5212 | -.2955 | | .1982 | |
| 133.800 | -.4274 | -.4543 | -.5058 | -.2082 | | .2028 | |
| 149.100 | -.4520 | -.4843 | -.4620 | -.2183 | | .2018 | |
| 180.000 | -.3451 | -.3244 | -.4636 | -.2890 | .1761 | .2018 | .2157 |

BETA ( 1) = .000 ALPHA ( 5) = 12.920 Q(PSF) = 61.146 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2124 | -.2108 | -.1408 | -.0300 | .1597 | .1523 | .2325 |
| 44.800 | -.2316 | -.1970 | -.1408 | -.0879 | .1652 | .2113 | |
| 50.100 | -.2247 | -.2824 | -.2131 | -.1229 | .1717 | .2113 | |
| 101.400 | -.3456 | -.4241 | -.4849 | -.3124 | | .2141 | |
| 115.600 | -.4233 | -.5349 | -.5357 | -.3124 | | .2159 | |
| 133.800 | -.4325 | -.4533 | -.4787 | -.2048 | | .2150 | |
| 149.100 | -.4441 | -.4726 | -.4472 | -.2204 | | .2159 | |
| 180.000 | -.3556 | -.3117 | -.4568 | -.2912 | .1864 | .2159 | .2325 |

0A172 TAILCONE PRESSURES GEAR ON (CFG1301

BETA ( 1) = .000 ALPHA ( 6) = 17.260 Q(PSF) = 61.146 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1911 | -.1888 | -.1304 | -.0262 | .1777 | .1749 | .2622 |
| 44.800 | -.1957 | -.1535 | -.1005 | -.0657 | .1804 | .2365 | |
| 50.100 | -.2187 | -.1849 | -.1404 | -.0813 | .1841 | .2365 | |
| 101.400 | -.3416 | -.4207 | -.4628 | -.2895 | | .2438 | |
| 115.600 | -.4145 | -.5382 | -.5504 | -.3272 | | .2457 | |
| 133.800 | -.4506 | -.4629 | -.4828 | -.2088 | | .2457 | |
| 149.100 | -.4391 | -.4690 | -.4652 | -.2602 | | .2448 | |
| 180.000 | -.3585 | -.3116 | -.4556 | -.3061 | .2108 | .2438 | .2622 |

BETA ( 1) = .000 ALPHA ( 7) = 21.610 Q(PSF) = 61.146 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2054 | -.2008 | -.1313 | -.0133 | .1639 | .1795 | .2874 |
| 44.800 | -.1939 | -.1191 | -.0770 | -.0407 | .1676 | .2490 | |
| 50.100 | -.2199 | -.1580 | -.0778 | -.0562 | .1676 | .2499 | |
| 101.400 | -.3635 | -.4368 | -.4727 | -.2543 | | .2718 | |
| 115.600 | -.4811 | -.6110 | -.6125 | -.3291 | | .2728 | |
| 133.800 | -.4957 | -.5247 | -.5690 | -.2397 | | .2737 | |
| 149.100 | -.5568 | -.5835 | -.6034 | -.3766 | | .2728 | |
| 180.000 | -.3879 | -.3520 | -.5135 | -.3757 | .2417 | .2737 | .2874 |

OA172 TAILCONE PRESSURES GEAR ON (CFG131) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 55.000 BDFLAP = -11.700
H/BW = .178

BETA ( 1) = .000 ALPHA ( 1) = -4.290 Q(PSF) = 61.226 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2446 | -.2461 | -.1917 | -.1069 | .0737 | .0563 | .1050 |
| 44.800 | -.2630 | -.2277 | -.1955 | -.1316 | .0774 | .1068 | |
| 50.100 | -.2170 | -.3006 | -.2722 | -.1591 | .0747 | .1050 | |
| 101.400 | -.4019 | -.4709 | -.4962 | -.2874 | | .1178 | |
| 115.600 | -.4878 | -.5860 | -.5645 | -.3012 | | .1187 | |
| 133.800 | -.4548 | -.5123 | -.6827 | -.3846 | | .1160 | |
| 149.100 | -.4195 | -.5216 | -.7287 | -.5698 | | .1187 | |
| 180.000 | -.2753 | -.4095 | -.7402 | -.6568 | .1086 | .1197 | .1050 |

BETA ( 1) = .000 ALPHA ( 2) = .030 Q(PSF) = 61.226 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2290 | -.2321 | -.1721 | -.0841 | .1116 | .1006 | .1531 |
| 44.800 | -.2559 | -.2636 | -.1929 | -.1347 | .1144 | .1494 | |
| 50.100 | -.2221 | -.3513 | -.2805 | -.1769 | .1116 | .1503 | |
| 101.400 | -.3974 | -.4681 | -.5027 | -.3083 | | .1549 | |
| 115.600 | -.4512 | -.5519 | -.5481 | -.3055 | | .1577 | |
| 133.800 | -.4389 | -.4912 | -.6411 | -.3349 | | .1595 | |
| 149.100 | -.4197 | -.5112 | -.6796 | -.4828 | | .1540 | |
| 180.000 | -.2913 | -.4143 | -.6886 | -.5389 | .1015 | .1558 | .1531 |

BETA ( 1) = .000 ALPHA ( 3) = 5.420 Q(PSF) = 61.226 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2081 | -.2104 | -.1551 | -.0758 | .1207 | .1171 | .1787 |
| 44.800 | -.2319 | -.2027 | -.1842 | -.1336 | .1217 | .1667 | |
| 50.100 | -.2211 | -.3410 | -.2672 | -.1795 | .1217 | .1685 | |
| 101.400 | -.3817 | -.4523 | -.4977 | -.3209 | | .1713 | |
| 115.600 | -.4262 | -.5315 | -.5384 | -.3135 | | .1704 | |
| 133.800 | -.4239 | -.4692 | -.5883 | -.2768 | | .1796 | |

0A172 TAILCONE PRESSURES GEAR DN (CPG1X3)

BETA ( 1) = .000 ALPHA ( 3) = 5.420

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4147 | -.4907 | -.6083 | -.3612 | | .1796 | |
| 180.000 | -.2787 | -.3855 | -.6201 | -.3768 | .1290 | .1731 | .1787 |

BETA ( 1) = .000 ALPHA ( 4) = 8.630 Q(PSF) = 61.226 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1992 | -.2007 | -.1445 | -.0612 | .1301 | .1329 | .2020 |
| 44.800 | -.2246 | -.2130 | -.1684 | -.1210 | .1329 | .1817 | |
| 50.100 | -.2199 | -.3438 | -.2469 | -.1633 | .1375 | .1826 | |
| 101.400 | -.3692 | -.4439 | -.4954 | -.3251 | | .1872 | |
| 115.600 | -.4238 | -.5323 | -.5393 | -.3260 | | .1900 | |
| 133.800 | -.4200 | -.4608 | -.5600 | -.2690 | | .1965 | |
| 149.100 | -.4146 | -.4831 | -.5816 | -.3425 | | .1955 | |
| 180.000 | -.2584 | -.3607 | -.6284 | -.4161 | .1679 | .1974 | .2020 |

BETA ( 1) = .000 ALPHA ( 5) = 12.920 Q(PSF) = 61.226 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2125 | -.2110 | -.1442 | -.0427 | .1455 | .1418 | .2181 |
| 44.800 | -.2325 | -.2033 | -.1465 | -.0978 | .1519 | .1951 | |
| 50.100 | -.2210 | -.2893 | -.2194 | -.1308 | .1565 | .1988 | |
| 101.400 | -.3507 | -.4329 | -.4989 | -.3298 | | .2070 | |
| 115.600 | -.4221 | -.5403 | -.5511 | -.3408 | | .2070 | |
| 133.800 | -.4267 | -.4620 | -.5380 | -.2711 | | .2098 | |
| 149.100 | -.4106 | -.4743 | -.5672 | -.3445 | | .2089 | |
| 180.000 | -.2670 | -.3484 | -.6288 | -.4408 | .1831 | .2107 | .2181 |

OA172 TAILCONE PRESSURES GEAR ON (CFG131)

BETA ( 1) = .000 ALPHA ( 6) = 17.250 Q(PSF) = 61.226 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1899 | -.1899 | -.1317 | -.0335 | .1626 | .1598 | .2460 |
| 44.800 | -.1960 | -.1562 | -.1056 | -.0747 | .1653 | .2185 | |
| 50.100 | -.2167 | -.1899 | -.1477 | -.0884 | .1690 | .2194 | |
| 101.400 | -.3462 | -.4274 | -.4963 | -.3099 | | .2341 | |
| 115.600 | -.4166 | -.5430 | -.5645 | -.3557 | | .2369 | |
| 133.800 | -.4266 | -.4580 | -.5239 | -.2751 | | .2369 | |
| 149.100 | -.4036 | -.4718 | -.5760 | -.3740 | | .2359 | |
| 180.000 | -.2795 | -.3538 | -.6266 | -.4527 | .2048 | .2369 | .2460 |

BETA ( 1) = .000 ALPHA ( 7) = 21.610 Q(PSF) = 61.226 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2006 | -.1968 | -.1296 | -.0206 | .1446 | .1574 | .2679 |
| 44.800 | -.1907 | -.1189 | -.0800 | -.0461 | .1464 | .2232 | |
| 50.100 | -.2166 | -.1594 | -.0831 | -.0616 | .1483 | .2268 | |
| 101.400 | -.3647 | -.4440 | -.4799 | -.2686 | | .2560 | |
| 115.600 | -.4867 | -.6195 | -.6203 | -.3561 | | .2606 | |
| 133.800 | -.4860 | -.5318 | -.6027 | -.3096 | | .2606 | |
| 149.100 | -.4875 | -.5623 | -.6829 | -.4975 | | .2597 | |
| 180.000 | -.2983 | -.3715 | -.6844 | -.5367 | .2232 | .2606 | .2679 |

0A172 TAILCONE PRESSURES GEAR ON (CFG132) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = 85.000 BDFLAP = -11.700
H/BW = .178

BETA ( 1) = .000 ALPHA ( 1) = -4.300 Q(PSF) = 61.269 PO = 2127.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2466 | -.2481 | -.1981 | -.1269 | .0562 | .0452 | .0920 |
| 44.800 | -.2665 | -.2481 | -.2106 | -.1561 | .0608 | .0874 | |
| 50.100 | -.2144 | -.3285 | -.2925 | -.1845 | .0562 | .0892 | |
| 101.400 | -.4097 | -.4863 | -.5208 | -.3248 | | .0984 | |
| 115.600 | -.5040 | -.6082 | -.6005 | -.3529 | | .1057 | |
| 133.800 | -.4450 | -.5155 | -.7384 | -.4830 | | .0984 | |
| 149.100 | -.3500 | -.4779 | -.7935 | -.7712 | | .0938 | |
| 180.000 | -.1776 | -.3446 | -.7603 | -.8344 | .0773 | .0901 | .0920 |

BETA ( 1) = .000 ALPHA ( 2) = .010 Q(PSF) = 61.269 PO = 2127.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2278 | -.2301 | -.1771 | -.1005 | .0894 | .0894 | .1390 |
| 44.800 | -.2554 | -.2500 | -.2055 | -.1537 | .0875 | .1344 | |
| 50.100 | -.2178 | -.3697 | -.2991 | -.1986 | .0848 | .1353 | |
| 101.400 | -.4050 | -.4818 | -.5278 | -.3425 | | .1335 | |
| 115.600 | -.4610 | -.5677 | -.5792 | -.3498 | | .1436 | |
| 133.800 | -.4235 | -.4910 | -.6935 | -.4351 | | .1399 | |
| 149.100 | -.3521 | -.4764 | -.7572 | -.6918 | | .1408 | |
| 180.000 | -.1979 | -.3621 | -.7386 | -.7707 | .0793 | .1390 | .1390 |

BETA ( 1) = .000 ALPHA ( 3) = 4.310 Q(PSF) = 61.269 PO = 2127.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2133 | -.2133 | -.1634 | -.0886 | .1005 | .0977 | .1482 |
| 44.800 | -.2348 | -.2141 | -.1957 | -.1519 | .1032 | .1455 | |
| 50.100 | -.2179 | -.3592 | -.2886 | -.1978 | .1005 | .1464 | |
| 101.400 | -.3930 | -.4705 | -.5243 | -.3519 | | .1565 | |
| 115.600 | -.4337 | -.5427 | -.5657 | -.3546 | | .1492 | |
| 133.800 | -.4129 | -.4751 | -.6525 | -.3812 | | .1473 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG132)

BETA ( 1) = .000 ALPHA ( 3) = 4.310

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.3546 | -.4705 | -.7131 | -.5840 | | .1446 | |
| 180.000 | -.1995 | -.3684 | -.7225 | -.6537 | .1050 | .1418 | .1482 |

BETA ( 1) = .000 ALPHA ( 4) = 8.610 Q(PSF) = 61.269 PO = 2127.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2012 | -.2012 | -.1520 | -.0749 | .1106 | .1207 | .1833 |
| 44.800 | -.2265 | -.2227 | -.1781 | -.1355 | .1115 | .1704 | |
| 50.100 | -.2181 | -.3594 | -.2618 | -.1795 | .1125 | .1731 | |
| 101.400 | -.3771 | -.4554 | -.5146 | -.3502 | | .1925 | |
| 115.600 | -.4193 | -.5307 | -.5545 | -.3585 | | .1851 | |
| 133.800 | -.4009 | -.4570 | -.6121 | -.3447 | | .1768 | |
| 149.100 | -.3617 | -.4639 | -.6751 | -.4989 | | .1777 | |
| 180.000 | -.1904 | -.3548 | -.7174 | -.6155 | .1704 | .1777 | .1833 |

BETA ( 1) = .000 ALPHA ( 5) = 12.910 Q(PSF) = 61.269 PO = 2127.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2141 | -.2126 | -.1496 | -.0556 | .1216 | .1253 | .2025 |
| 44.800 | -.2341 | -.2103 | -.1542 | -.1116 | .1262 | .1777 | |
| 50.100 | -.2195 | -.3001 | -.2333 | -.1483 | .1280 | .1786 | |
| 101.400 | -.3585 | -.4445 | -.5144 | -.3529 | | .1915 | |
| 115.600 | -.4176 | -.5382 | -.5635 | -.3675 | | .1942 | |
| 133.800 | -.4145 | -.4591 | -.5919 | -.3455 | | .1961 | |
| 149.100 | -.3646 | -.4614 | -.6595 | -.4822 | | .1961 | |
| 180.000 | -.1949 | -.3539 | -.7162 | -.5941 | .1676 | .1951 | .2025 |

OA172 TAILCONE PRESSURES GEAR ON (CFG132)

BETA ( 1) = .000 ALPHA ( 6) = 17.240 Q(PSF) = 61.269 PO = 2127.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1892 | -.1869 | -.1348 | -.0445 | .1342 | .1324 | .2159 |
| 44.800 | -.1954 | -.1616 | -.1103 | -.0857 | .1361 | .1847 | |
| 50.100 | -.2138 | -.1969 | -.1601 | -.0995 | .1379 | .1820 | |
| 101.400 | -.3502 | -.4361 | -.5104 | -.3294 | | .2058 | |
| 115.600 | -.4154 | -.5442 | -.5802 | -.3770 | | .2086 | |
| 133.800 | -.4192 | -.4736 | -.5917 | -.3468 | | .2095 | |
| 149.100 | -.3579 | -.4598 | -.6607 | -.5015 | | .2113 | |
| 180.000 | -.2099 | -.3548 | -.7122 | -.6023 | .1700 | .2086 | .2159 |

BETA ( 1) = .000 ALPHA ( 7) = 21.580 Q(PSF) = 61.269 PO = 2127.4

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1937 | -.1884 | -.1288 | -.0288 | .1163 | .1254 | .2268 |
| 44.800 | -.1830 | -.1189 | -.0815 | -.0543 | .1190 | .1848 | |
| 50.100 | -.2120 | -.1708 | -.0892 | -.0698 | .1199 | .1875 | |
| 101.400 | -.3692 | -.4447 | -.4897 | -.2768 | | .2176 | |
| 115.600 | -.4752 | -.6088 | -.6332 | -.3761 | | .2186 | |
| 133.800 | -.4691 | -.5164 | -.6324 | -.3825 | | .2213 | |
| 149.100 | -.4050 | -.5050 | -.7469 | -.6095 | | .2222 | |
| 180.000 | -.2181 | -.3661 | -.7490 | -.6651 | .1775 | .2195 | .2268 |

OA172 TAILCONE PRESSURES GEAR ON (CFG133) ( 27 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN.XO
LREF = 474.8100 INCHES YMRP = .0000 IN.YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN.ZO
SCALE = .0405

PARAMETRIC DATA

MACH = .200 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000
H/BW = .178

BETA ( 1) = .000 ALPHA ( 1) = -4.270 Q(PSF) = 61.126 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1776 | -.1745 | -.1961 | -.1945 | .0537 | .0417 | .0795 |
| 44.800 | -.1691 | -.1645 | -.1945 | -.2138 | .0657 | .0868 | |
| 50.100 | -.1961 | -.2168 | -.2653 | -.1917 | .0583 | .0832 | |
| 101.400 | -.3907 | -.4561 | -.4815 | -.2726 | | .0961 | |
| 115.600 | -.4622 | -.5561 | -.5292 | -.2625 | | .1016 | |
| 133.800 | -.4461 | -.4815 | -.5923 | -.2855 | | .0905 | |
| 149.100 | -.4576 | -.4953 | -.5307 | -.3581 | | .0914 | |
| 180.000 | -.3861 | -.3222 | -.4537 | -.3986 | .0997 | .0868 | .0795 |

BETA ( 1) = .000 ALPHA ( 2) = .060 Q(PSF) = 61.126 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1944 | -.2005 | -.2236 | -.2403 | .1061 | .0914 | .1521 |
| 44.800 | -.1905 | -.1905 | -.2144 | -.2559 | .1079 | .1411 | |
| 50.100 | -.1967 | -.2151 | -.2858 | -.2348 | .1043 | .1383 | |
| 101.400 | -.3850 | -.4527 | -.4872 | -.2917 | | .1337 | |
| 115.600 | -.4357 | -.5303 | -.5165 | -.2687 | | .1457 | |
| 133.800 | -.4388 | -.4680 | -.5549 | -.2439 | | .1475 | |
| 149.100 | -.4580 | -.4872 | -.4888 | -.2963 | | .1466 | |
| 180.000 | -.3981 | -.3197 | -.4194 | -.3385 | .1291 | .1466 | .1521 |

BETA ( 1) = .000 ALPHA ( 3) = 4.360 Q(PSF) = 61.126 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2083 | -.2083 | -.2421 | -.2560 | .1227 | .1080 | .1687 |
| 44.800 | -.2052 | -.2029 | -.2244 | -.2780 | .1209 | .1549 | |
| 50.100 | -.1967 | -.1814 | -.2898 | -.2560 | .1190 | .1549 | |
| 101.400 | -.3759 | -.4467 | -.4897 | -.3074 | | .1549 | |
| 115.600 | -.4251 | -.5251 | -.5182 | -.2817 | | .1623 | |
| 133.800 | -.4336 | -.4590 | -.5243 | -.2119 | | .1614 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG133)

BETA ( 1) = .000 ALPHA ( 3) = 4.360

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4528 | -.4720 | -.4451 | -.2385 | | .1669 | |
| 180.000 | -.3898 | -.3006 | -.3864 | -.2835 | .1429 | .1678 | .1687 |

BETA ( 1) = .000 ALPHA ( 4) = 8.650 Q(PSF) = 61.126 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1978 | -.1986 | -.2448 | -.2637 | .1487 | .1294 | .1920 |
| 44.800 | -.2001 | -.2055 | -.2217 | -.2766 | .1423 | .1791 | |
| 50.100 | -.1978 | -.2048 | -.2772 | -.2601 | .1376 | .1764 | |
| 101.400 | -.3650 | -.4389 | -.4890 | -.3162 | | .1782 | |
| 115.600 | -.4250 | -.5305 | -.5244 | -.2959 | | .1810 | |
| 133.800 | -.4297 | -.4497 | -.4882 | -.1966 | | .1819 | |
| 149.100 | -.4512 | -.4589 | -.4081 | -.2012 | | .1791 | |
| 180.000 | -.4173 | -.2671 | -.3824 | -.2848 | .1635 | .1810 | .1920 |

BETA ( 1) = .000 ALPHA ( 5) = 12.940 Q(PSF) = 61.126 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1793 | -.1885 | -.2447 | -.2563 | .1634 | .1422 | .2159 |
| 44.800 | -.1970 | -.1977 | -.2262 | -.2599 | .1615 | .1966 | |
| 50.100 | -.1954 | -.2339 | -.2478 | -.2425 | .1625 | .1993 | |
| 101.400 | -.3494 | -.4310 | -.4987 | -.3289 | | .2049 | |
| 115.600 | -.4256 | -.5411 | -.5372 | -.3114 | | .2067 | |
| 133.800 | -.4318 | -.4487 | -.4595 | -.1928 | | .1966 | |
| 149.100 | -.4441 | -.4502 | -.3964 | -.2057 | | .1966 | |
| 180.000 | -.4225 | -.2555 | -.3749 | -.2848 | .1744 | .1984 | .2159 |

0A172 TAILCONE PRESSURES GEAR ON (CFG133)

BETA ( 1) = .000 ALPHA ( 6) = 17.270 Q(PSF) = 61.126 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1962 | -.2062 | -.2806 | -.2709 | .1738 | .1600 | .2445 |
| 44.800 | -.2208 | -.2246 | -.2530 | -.2782 | .1747 | .2215 | |
| 50.100 | -.2024 | -.2116 | -.1985 | -.2095 | .1775 | .2188 | |
| 101.400 | -.3458 | -.4278 | -.4976 | -.3066 | | .2334 | |
| 115.600 | -.4171 | -.5406 | -.5521 | -.3277 | | .2353 | |
| 133.800 | -.4516 | -.4577 | -.4654 | -.1957 | | .2298 | |
| 149.100 | -.4401 | -.4485 | -.4179 | -.2480 | | .2298 | |
| 180.000 | -.4309 | -.2637 | -.3726 | -.2919 | .2004 | .2307 | .2445 |

BETA ( 1) = .000 ALPHA ( 7) = 21.620 Q(PSF) = 61.126 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2188 | -.2372 | -.3130 | -.2740 | .1689 | .1615 | .2632 |
| 44.800 | -.2510 | -.2525 | -.2961 | -.2777 | .1707 | .2284 | |
| 50.100 | -.2127 | -.2824 | -.1507 | -.1789 | .1652 | .2238 | |
| 101.400 | -.3689 | -.4431 | -.4829 | -.2484 | | .2550 | |
| 115.600 | -.4737 | -.6039 | -.6092 | -.3289 | | .2605 | |
| 133.800 | -.4844 | -.5059 | -.5396 | -.2255 | | .2513 | |
| 149.100 | -.5503 | -.5725 | -.5602 | -.3572 | | .2541 | |
| 180.000 | -.4454 | -.2969 | -.4213 | -.3508 | .2385 | .2541 | .2[illegible]3 |

OA172 TAILCONE PRESSURES GEAR ON (CFG134) ( 27 FEB 76 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 2690.0000 SQ.FT. | XMRP = | 1076.6800 IN.XO | | |
| LREF = | 474.8100 INCHES | YMRP = | .0000 IN.YO | | |
| BREF = | 936.6800 INCHES | ZMRP = | 375.0000 IN.ZO | | |
| SCALE = | .0405 | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| MACH = | .200 | ELEVON = | .000 |
| AILRON = | .000 | RUDDER = | .000 |
| SPDBRK = | .000 | BDFLAP = | 16.300 |
| H/BW = | .178 | | |

BETA ( 1) = .000 ALPHA ( 1) = -4.200 Q(PSF) = 61.153 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1663 | -.1755 | -.2322 | -.2506 | .0104 | .0333 | .0709 |
| 44.800 | -.1701 | -.1709 | -.1977 | -.2470 | .0306 | .0608 | |
| 50.100 | -.1923 | -.2253 | -.2575 | -.2497 | .0150 | .0589 | |
| 101.400 | -.3932 | -.4668 | -.5051 | -.3257 | | .0774 | |
| 115.600 | -.4668 | -.5626 | -.5450 | -.2928 | | .0829 | |
| 133.800 | -.4522 | -.4898 | -.6056 | -.3065 | | .0709 | |
| 149.100 | -.4637 | -.5059 | -.5435 | -.3743 | | .0673 | |
| 180.000 | -.3963 | -.3342 | -.4714 | -.4192 | .0728 | .0709 | .0709 |

BETA ( 1) = .000 ALPHA ( 2) = .110 Q(PSF) = 61.153 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1832 | -.1879 | -.2318 | -.2960 | .0363 | .0381 | .0694 |
| 44.800 | -.2040 | -.2087 | -.2218 | -.3061 | .0326 | .0777 | |
| 50.100 | -.2048 | -.2287 | -.2834 | -.2850 | .0353 | .0648 | |
| 101.400 | -.3882 | -.4621 | -.5083 | -.3402 | | .0888 | |
| 115.600 | -.4421 | -.5415 | -.5376 | -.2997 | | .0990 | |
| 133.800 | -.4475 | -.4814 | -.5715 | -.2684 | | .1026 | |
| 149.100 | -.4698 | -.5006 | -.5053 | -.3172 | | .0851 | |
| 180.000 | -.4097 | -.3365 | -.4433 | -.3678 | .0897 | .0962 | .0694 |

BETA ( 1) = .000 ALPHA ( 3) = 4.410 Q(PSF) = 61.153 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2291 | -.2407 | -.2468 | -.3259 | .0463 | .0537 | .0988 |
| 44.800 | -.2268 | -.2314 | -.2468 | -.3020 | .0611 | .0960 | |
| 50.100 | -.2061 | -.2553 | -.2930 | -.3259 | .0546 | .0914 | |
| 101.400 | -.3822 | -.4584 | -.5153 | -.3535 | | .1016 | |
| 115.600 | -.4361 | -.5399 | -.5445 | -.3158 | | .1062 | |
| 133.800 | -.4453 | -.4715 | -.5453 | -.2395 | | .1126 | |

OA172 TAILCONE PRESSURES GEAR ON (CFG134)

BETA ( 1) = .000 ALPHA ( 3) = 4.410

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| 149.100 | -.4668 | -.4868 | -.4630 | -.2625 | | .1089 | |
| 180.000 | -.4030 | -.3161 | -.4068 | -.3112 | .1108 | .1154 | .0988 |

BETA ( 1) = .000 ALPHA ( 4) = 8.710 Q(PSF) = 61.153 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2162 | -.2447 | -.3063 | -.3566 | .0786 | .0657 | .1127 |
| 44.800 | -.2355 | -.2432 | -.2671 | -.3612 | .0943 | .1201 | |
| 50.100 | -.2286 | -.2678 | -.2994 | -.3602 | .0805 | .1090 | |
| 101.400 | -.3764 | -.4565 | -.5234 | -.3676 | | .1210 | |
| 115.600 | -.4395 | -.5504 | -.5504 | -.3326 | | .1256 | |
| 133.800 | -.4426 | -.4657 | -.5088 | -.2232 | | .1182 | |
| 149.100 | -.4642 | -.4749 | -.4264 | -.2241 | | .1173 | |
| 180.000 | -.4280 | -.2794 | -.4090 | -.3115 | .1275 | .1182 | .1127 |

BETA ( 1) = .000 ALPHA ( 5) = 13.000 Q(PSF) = 61.153 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.1909 | -.2325 | -.2880 | -.3604 | .1266 | .0897 | .1598 |
| 44.800 | -.2110 | -.2217 | -.2595 | -.3761 | .1229 | .1450 | |
| 50.100 | -.2433 | -.2348 | -.2965 | -.3889 | .1146 | .1450 | |
| 101.400 | -.3666 | -.4536 | -.5376 | -.3853 | | .1497 | |
| 115.600 | -.4444 | -.5630 | -.5676 | -.3503 | | .1497 | |
| 133.800 | -.4490 | -.4667 | -.4867 | -.2214 | | .1386 | |
| 149.100 | -.4605 | -.4667 | -.4174 | -.2306 | | .1321 | |
| 180.000 | -.4459 | -.2733 | -.4000 | -.3126 | .1312 | .1331 | .1598 |

OA172 TAILCONE PRESSURES GEAR ON (CFG134)

BETA ( 1) = .000 ALPHA ( 6) = 17.340 Q(PSF) = 61.153 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2192 | -.2338 | -.3289 | -.3836 | .1692 | .1233 | .1967 |
| 44.800 | -.2300 | -.2169 | -.2760 | -.4037 | .1600 | .1830 | |
| 50.100 | -.2353 | -.2484 | -.2752 | -.3955 | .1517 | .1830 | |
| 101.400 | -.3703 | -.4593 | -.5490 | -.3744 | | .1848 | |
| 115.600 | -.4401 | -.5689 | -.5881 | -.3689 | | .1931 | |
| 133.800 | -.4723 | -.4800 | -.4968 | -.2287 | | .1811 | |
| 149.100 | -.4593 | -.4692 | -.4462 | -.2773 | | .1802 | |
| 180.000 | -.4501 | -.2844 | -.3973 | -.3258 | .1536 | .1848 | .1967 |

BETA ( 1) = .000 ALPHA ( 7) = 21.690 Q(PSF) = 61.153 PO = 2127.5

SECTION ( 1)TAILCONE DEPENDENT VARIABLE CP

| X/LB | .99700 | 1.01700 | 1.05500 | 1.09400 | 1.24900 | 1.28100 | 1.28800 |
|---|---|---|---|---|---|---|---|
| PHI | | | | | | | |
| .000 | -.2121 | -.2442 | -.3846 | -.3718 | .1748 | .1355 | .2278 |
| 44.800 | -.2289 | -.2304 | -.2953 | -.4310 | .1657 | .2031 | |
| 50.100 | -.2289 | -.2556 | -.2625 | -.3864 | .1702 | .2031 | |
| 101.400 | -.3976 | -.4839 | -.5442 | -.3298 | | .2168 | |
| 115.600 | -.5175 | -.6571 | -.6587 | -.3736 | | .2251 | |
| 133.800 | -.5258 | -.5526 | -.5900 | -.2687 | | .2187 | |
| 149.100 | -.6045 | -.6091 | -.6098 | -.4064 | | .2196 | |
| 180.000 | -.4846 | -.3266 | -.4584 | -.3973 | .2031 | .2187 | .2278 |