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VOLUME 2 OF 2

RESULTS OF TESTS USING A 0.36-SCALE MODEL (76-O)
OF THE SPACE SHUTTLE VEHICLE ORBITER IN THE
NASA/AMES RESEARCH CENTER 40 by 80-FOOT
SUBSONIC WIND TUNNEL (OA100)

SPACE SHUTTLE AEROTHERMODYNAMIC DATA REPORT

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HUNTSVILLE ELECTRONICS DIVISION CHRYSLER CORPORATION

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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	ARC 40 x 80 T462
NASA Series Number:	0A100
Model Number	76-0
Test Dates:	June 2 through June 14, 1975
Occupancy:	272 hours

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T. J. Dziubala, R. R. Burrows, and J. Marroquin, Rockwell

ABSTRACT

A 0.36-scale model of the Space Shuttle Orbiter Vehicle 101, constructed to lines representing the 2689 trajectory, was tested in the NASA/Ames Research Center 40 x 80 foot subsonic wind tunnel. The test identification number was OA100 and the model was designated 76-0.

The objectives of the test were:

1.) To provide basic aerodynamic data in the TAEM flight region for vehicle 101 with simulated TPS.

2.) To obtain subsonic vehicle 5 aerodynamic characteristics.

3.) To obtain elevon, rudder/speedbrake, and body flap effectiveness with vehicle 101 seals and gaps.

4.) To obtain body flap and rudder/speedbrake hinge moments with seals.

5.) To obtain flight test and side air data probe calibration, and

6.) To evaluate Reynold's number effect.

The model was tested under conditions simulating free air at Mach numbers between .112 and .256 with Reynold's number between 11.8×10^6 and 26.0×10^6 based on mean aerodynamic chord. Runs were made in pitch

and yaw in the ranges $-5^{\circ} \leq \alpha \leq 25^{\circ}$ and $-13^{\circ} \leq \beta \leq 20^{\circ}$, respectively.

A total of 190 runs were made in 272 occupancy hours, starting on June 2, 1975 and ending June 14, 1975.

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INTRODUCTION

This report contains information pertaining to wind tunnel test OA100 using model 76-0 in the NASA/Ames Research Center 40 by 80 foot subsonic wind tunnel. The test was conducted on a two shift basis from June 2, 1975 through June 14, 1975, for a total of 272 occupancy hours.

The objectives of the tests were to:

1. Provide basic aerodynamic data in the TAEM flight region for vehicle 101 with simulated TPS.
2. Obtain subsonic vehicle 5 aerodynamic characteristics.
3. Obtain elevon, rudder/speedbrake, and body flap effectiveness with vehicle 101 seals and gaps.
4. Obtain body flap and rudder/speedbrake hinge moments with seals.
5. Obtain flight test and side air data probe calibrations, and
6. Evaluate Reynold's number effect.

The model number 76-0 was built to VL70-000140"C" inner mold lines with removable reinforced foam plastic skin representing the Thermal Protection System (TPS) of Orbiter Vehicle 101 (OV101) for the 2689 trajectory. The outer surface was grooved to simulate the recesses between adjacent refractory tiles.

Tests were conducted under conditions simulating free air at Mach numbers between .112 and .256 and Reynold's numbers between 11.8×10^6 and 26.0×10^6 based on mean aerodynamic chord. Runs were made in pitch and yaw in the ranges $-5^\circ \leq \alpha \leq 25^\circ$ and $-13^\circ \leq \beta \leq 20^\circ$.

Measured quantities during the tests included tunnel conditions, model attitude, control surface positions, the overall six-component

of forces and moments acting on the model, pressures related to the flight test and ADS probes, including flush mounted ADS pressures, fuselage base and speedbrake pressures, and hinge moments on the four individual speedbrake panels and body flap.

A total of 190 runs were made in 272 occupancy hours, starting on June 2, 1975 and ending on June 14, 1975.

NOMENCLATURE

Body-Axis System

SYMBOL	MNEMONIC	DEFINITION
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_ℓ	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_ℓ	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D_f	L/DF	lift to forebody drag ratio; C_L/C_{D_f}

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
	BAR	atmospheric pressure, inches of mercury
C_{pi}	CPI	pressure coefficient at tap i, i = 1 to 31. 68 to 110
$E_{\alpha_{ADC}}$	EAADC	equivalent voltage output of α flow angle vane on full scale flight test probe to the Air Data Computer, volts
$E_{\alpha_{DISP}}$	EADISP	equivalent voltage output of α flow angle vane on full scale flight test probe to the cockpit display, volts
$E_{\beta_{ADC}}$	EBADC	equivalent voltage output of β flow angle vane on full scale flight test probe to the Air Data Computer, volts
$E_{\beta_{DISP}}$	EBDISP	equivalent voltage output of β flow angle vane on full scale flight test probe to the cockpit display, volts
$E_{o\alpha}$	AVOLT	output of FT probe α pot, volts
$E_{o\,\alpha\,ADC}$		value of $E_{\alpha ADC}$ for vane aligned with probe centerline (2.30 volts)
$E_{o\,\alpha DISP}$		value of $E_{\alpha DISP}$ for vane aligned with probe centerline (3.30 volts)
$E_{o\beta}$	BVOLT	output of FT probe β pot, volts
$E_{o\beta_{ADC}}$		value of $E_{\beta ADC}$ for vane aligned with probe centerline (5.00 volts)
$E_{o\beta_{DISP}}$		value of $E_{\beta DISP}$ for vane aligned with probe centerline (7.50 volts)
$f_{\alpha_{ADS}}$		Rosemount, Incorporated calibrations of 0.36-scale left and right side ADS probes for α flow angle
$f_{\alpha_{F}}$		Rosemount, Incorporated calibration of 0.36-scale flight test α flow angle probe, deg.

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
$^{f}\beta_{F}$		Rosemount, Incorporated calibration of 0.36-scale flight test β flow angle probe, deg.
i_{F_α}		incidence of flight test probe ℄ to model FRL - positive nose-up, deg.
i_{F_β}		incidence of flight test probe ℄ to model plane of symmetry - positive for nose of probe to left of model ℄, deg.
$K_{\alpha_{ADC}}$		electrical output of α flow angle pot on full scale flight test probe to Air Data Computer per degree of vane deflection (0.360 volts/deg.)
$K_{\alpha_{DISP}}$		electrical output of α flow angle pot on full scale flight test probe to cockpit display per degree of vane deflection (0.5560 volts/deg.)
$K_{\beta_{ADC}}$		electrical output of β flow angle pot on full scale flight test probe to Air Data Computer per degree of vane deflection (0.225 volts/deg.)
$K_{\beta_{DISP}}$		electrical output of β flow angle pot on full scale flight test probe to cockpit display per degree of vane deflection (0.350 volts/deg.)
$K_{p_{F,A}}$	KPF,A	tunnel static pressure correction factor at forward or aft end of model, respectively
$K_{pt_{F,A}}$	KPTF,A	tunnel total pressure correction factor at forward or aft end of model, respectively
$K_{q_{F,A}}$	KQF,A	tunnel dynamic pressure correction factor = $(K_p + K_{pt})_{F,A}$ at forward or aft end of model, respectively
$K_{\delta_{BF}}$		body flap deflection pot calibration factor, deg./mv
$K_{\delta_{EX}}$		elevon panel (X = 1, 2, 3, 4) deflection pot calibration factor, deg./mv
$K_{\delta_{SX}}$		speed brake panel (X = 1, 2, 3, 4) deflection pot calibration factor, deg./mv

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
M	MACH	tunnel Mach number
p	P	tunnel freestream static pressure, lb/ft^2
pa_ℓ	PAL	pressure measured at lower tap of ADS probe, lb/ft^2
patm	PATM	atmospheric pressure, lb/ft^2
pau	PAU	pressure measured at upper tap of ADS probe, lb/ft^2
pfa	PFA	pressure at α tap of FT probe, lb/ft^2
pfb	PFB	pressure at β tap of FT probe, lb/ft^2
pi	PI	pressure at tap i, lb/ft^2
	PSA/P	ratio of average R.H. and L.H. ADS probe static pressure to freestream static pressure
psf	PSF	pressure measured at static tap of FT probe, lb/ft^2
	PSFDEC	flight test probe static pressure decrement
psf/p	PSF/P	ratio of flight test probe static pressure to freestream static pressure
	PSL/P	ratio of L.H. ADS probe static pressure to freestream static pressure
	PSR/P	ratio of R.H. ADS probe static pressure to freestream static pressure
psp	PSP	pressure at tunnel test section static pressure ring, lb/ft^2
psx	PSX	pressure measured at static pressure tap of ADS probe lb/ft^2. L, R, A indicate left probe, right probe or average of left and right probe, respectively.

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
	PSXDEC	ADS probe static pressure decrement. X = L, left probe; R, right probe: A, average of left and right probes
pt	PT	tunnel total pressure, lb/ft^2
ptf	PTF	pressure measured at total tap of FT probe, lb/ft^2
	PTFDEC	flight test probe total pressure decrement
	PTF/PT	ratio of FT probe total pressure to freestream total pressure
ptref	PTREF	pressure at tunnel total ring, lb/ft^2
	PTX	pressure measured at center tap of ADS probe, lb/ft^2. L, R, A indicates left probe, right probe or average of left and right probes, respectively.
	PTXDEC	ADS probe total pressure decrement. X = L, left probe; R, right probe; A, average of left and right probes.
	PTX/PT	ADS probe total pressure ratio to freestream total pressure. X = L, left probe; R, right probe; A, average of left and right probes.
	QA	tunnel incompressible dynamic pressure at aft end of model, lb/ft^2
q_c	QCOMP	tunnel freestream compressible dynamic pressure, lb/ft^2
	QCA/QC	average of L.H. and R.H. ADS probe compressible dynamic pressure ratioed to freestream compressible dynamic pressure
q_{cf}	QCF	compressible dynamic pressure measured by FT probe, lb/ft^2

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
	QCF/QC	ratio of flight test probe compressible dynamic pressure to freestream compressible dynamic pressure
	QCL/QC	ratio of L.H. ADS probe to freestream compressible dynamic pressure
	QCR/QC	ratio of R.H. ADS probe to freestream compressible dynamic pressure
q_{cx}	QCX	compressible dynamic pressure measured by ADS probe, lb/ft^2, X = L, R, or A
q_{DI}	Q	tunnel freestream dynamic pressure from Datex I data, lb/ft^2
q_F	QF	tunnel incompressible dynamic pressure at front end of model, lb/ft^2
	Q*A/QC	average of L.H. and R.H. ADS probe total pressure - freestream static pressure ratioed to freestream compressible dynamic pressure
	Q*F/QC	flight test probe total pressure - freestream static pressure ratioed to freestream compressible dynamic pressure
	Q*L/QC	L.H. ADS probe total pressure - freestream static pressure ratioed to freestream compressible dynamic pressure
	Q*R/QC	R.H. ADS probe total pressure - freestream static pressure ratioed to freestream compressible dynamic pressure
$q_{SV1,2}$		incompressible dynamic pressure based on measurements of scanivalves 1 and 2, respectively, lb/ft^2
q'_u	UQ	approximate tunnel uncorrected dynamic pressure, lb/ft^2
	RAA	1/2 [RAL + RAR]

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
	RAF	flight test probe angle-of-attack parameter
	RAL	L.H. ADS probe angle-of-attack parameter
	RAR	R.H. ADS probe angle-of-attack parameter
	RBF	flight test probe angle-of-sideslip parameter
R/ft.	RN/L	tunnel unit Reynolds number, million per foot
Run No.	RUN	run number
$R_{\delta_{BF}}$		reading of body flap deflection pot for any setting, mv
$R_{\delta_{BFo}}$		reading of body flap deflection pot corresponding to zero setting, mv
$R_{\delta_{EX}}$		reading of deflection pot for elevon panel X = 1, 2, 3, 4 at any setting, mv
$R_{\delta_{SEX_o}}$		reading of deflection pot for elevon panel X = 1, 2, 3, 4 corresponding to zero deflections, mv
$R_{\delta_{SX}}$		reading of deflection pot for speed brake panel X = 1, 2, 3, 4 at any setting, mv
$R_{\delta_{SX_o}}$		reading of deflection pot for speed brake panel X = 1, 2, 3, 4 corresponding to zero deflection, mv
T_T		tunnel average total temperature, ^oF
X_{CG}		distance from orbiter nose (IML) to model moment reference center ($0.65\ell_B$, 25.160 ft.)
X_{CP}		model center of pressure location in normal force direction, relative to nose, ft.
X_{CP}/ℓ_B	XCP/L	normal force center of pressure
α	ALPHA	vehicle angle-of-attack WRT FRL, deg.

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
α_{ADS_A}	AAP	average of α_{ADS_L} and α_{ADS_R}, deg.
α_{ADS_A}/α	AAP/A	average ADS probe α/α true
α_F	AF	flight test probe indicated angle-of-attack, WRT FRL, deg.
α_F/α	AF/A	flight test probe indicated α/α true
α_{FT}	AFP	FT probe local angle-of-attack WRT probe ℄, deg.
α_{ADS_L}	ALP	α measured by L.H. ADS probe WRT probe ℄, deg.
α_{ADS_L}/α	ALP/A	α of L.H. ADS probe $/\alpha$ true
α_{ADS_R}	ARP	α measured by R.H. ADS probe WRT probe ℄, deg.
α_{ADS_R}/α	ARP/A	α of R.H. ADS probe $/\alpha$ true
α_u	ALPHAU	uncorrected vehicle angle-of-attack, deg.
α_X	AX	ADS probe indicated angle-of-attack WRT FRL, deg, X = L, R, or A
β	BETA	vehicle angle-of-sideslip
β_F	BF	flight test probe indicated sideslip angle WRT FRL, deg.
β_F/β	BF/B	flight test probe indicated β/β true
δ_a	AILRON	average aileron deflection angle, deg.
δ_{BF}	BDFLAP	angular deflection of body flap, deg.
δ_{BF_o}		prerun angular deflection of body flap, deg.
δ_e	ELEVON	average angular deflection of elevon panels, deg.
δ_{E_1}	DELE1	angular deflection of L.H. outboard elevon, deg.
δ_{E_2}	DELE2	angular deflection of L.H. inboard elevon, deg.

SYMBOL	MNEMONIC	DEFINITION
δ_{E_3}	DELE3	angular deflection of R.H. inboard elevon, deg.
δ_{E_4}	DELE4	angular deflection of R.H. outboard elevon, deg.
δ_R	RUDDER	rudder deflection angle, deg.
δ_{S1}	DELS1	angular deflection of speed brake panel No. 1, deg.
δ_{S2}	DELS2	angular deflection of speed brake panel No. 2, deg.
δ_{S3}	DELS3	angular deflection of speed brake panel No. 3, deg.
δ_{S4}	DELS4	angular deflection of speed brake panel No. 4, deg.
δ_{SB}	SPDBRK	total speed brake deflection angle, deg.
δ_{SX}		angular deflection of speed brake panel (X = 1, 2, 3, 4) as measured in a water plane, deg.
δ'_{SX}		angular deflection of speed brake panel (X = 1, 2, 3, 4) as measured in a plane normal to the hingeline, deg.
δ'_{SX_o}		prerun angular deflection of speed brake panel (X = 1, 2, 3, 4) as measured in a plane normal to the hingeline, deg.
ΔC_{D_B}		stability axes drag component of C_{AB}
$\Delta C_{D_{\delta BF}}$		incremental drag coefficient blocking correction due to body flap deflection
$\Delta C_{D_{\delta E}}$		incremental drag coefficient blocking correction due to elevon deflection
$\Delta C_{D_{\delta SB}}$		incremental drag coefficient blocking correction due to speed brake deflection
ΔC_{D_T}	DCDTI	incremental drag coefficient strut tare and interference correction (Table V)
ΔC_{L_T}	DCLTI	incremental lift coefficient strut tare and interference correction (Table V)

NOMENCLATURE (Concluded)

SYMBOL	MNEMONIC	DEFINITION
ΔC_{M_T}	DCMTI	incremental pitching moment coefficient strut tare and interference correction (Table V)
$\frac{\Delta pi}{q}$	DP/QI	general differential pressure ratioed to q for pressure tap numbers i = 50 - 67; see Figures 2d, 2g and 2h
Λ		sweep angle of speed brake hingeline, deg.
C_{D_o}		minimum drag coefficient for blocking corrections (See Table VII)
C_{L_o}		lift coefficient at minimum drag for blocking corrections (See Table VII)
$C_{L(Final)}$	CLMTI	orbiter longitudinal aerodynamic coefficients with OA159 strut tare and interference corrections applied
$C_{D(Final)}$	CDMTI	
$C_{m(Final)}$	CMMTI	
	Q1	scanivalve 1 reference dynamic pressure, psfa
	Q2	scanivalve 2 reference dynamic pressure, psfa
	Q6	Q_6 = QF ≡ tunnel incompressible dynamic pressure at front end of model, lb/ft^2
	QCOR	dynamic pressure corrected for wind tunnel blockage
	DQCQU	ratio of incremental dynamic pressure correction to uncorrected dynamic pressure

REMARKS

Speed brake and body flap hinge moment data have not been presented, due to extraneous loads introduced by friction in the bearing systems.

The limitation of the 0-999 count range of the Datex II data system on resolution of Air Data System probe pressure measurements was not appreciated until late in the test. The probe data of runs 2 - 175 is of marginal accuracy due to the combination of low gains and low dynamic pressure. Runs 176 - 190 were made specifically to obtain improved resolution of these data by means of increased gain settings made possible by reorganization of pressures on the Datex II Channels and by operating at the maximum possible dynamic pressure.

CONFIGURATIONS INVESTIGATED

The test article was a 0.36-scale replica of the Space Shuttle Orbiter Flight Test Vehicle 101 (OV101) and was designated model 76-0 (see Figure 2a).

Basic model construction is to the vehicle structural inner mold line (IML) in compliance with Rockwell International drawing VL70-000140 "C". Removable foam-plastic skins which simulate the TPS thickness distribution required for the 2689 re-entry trajectory provide the outer mold line (OML). Grooves were cut into the skins to represent the space between the refractory tiles under heated conditions.

The following nomenclature was used to designate the primary orbiter components tested during OA100:

OV101"B" = B_{69} C_{14} DT_1 E_{54} F_{14} FD_1 FD_2 HG_1 FR_{12} G_{18} HA_1 M_{18} N_{92} N_{94} N_{107} PR_1 PR_5 PR_6 R_{18} V_{23} VT_1 VT_2 W_{129}

Symbol	Component	Definition
B_{69}	Body	Same as body B_{64}, which includes the forebody, mid-fuselage and aft-fuselage; except the mid-body TPS has been removed from F.S. 562 to 1307 with a 5^{o} ramp to blend with IML.
C_{14}	Canopy	Enclosure on forebody which includes windshields and observation windows
DT_1	Duct	Ram air duct for smoke removal system
E_{54}	Elevon	Four individual movable panels on the wing for pitch and roll control
F_{14}	Body Flap	Movable surface on the bottom, aft fuselage for pitch control

CONFIGURATIONS INVESTIGATED (Continued)

Symbol	Component	Definition
FD_1	Flapper Door	Doors which span the gap between the upper wing surface and the inboard elevons
FD_2	Flapper Door	Doors which span the gap between the upper wing surface and the outboard elevons
FR_{12}	Fairing	Hinge fairings for the escape hatch doors on upper forebody (total of four)
G_{18}	Landing Gear	Nose landing gear and gear doors with associated struts and retracting hardware
HA_1	Hatch	Main ngress/egress crew hatch on left side of forebody
HG_1	Hinges	Hinges for the cargo bay doors. Thirteen on each side of the mid-fuselage
M_{18}	OMS POD	Orbital maneuvering system pods on upper aft body
N_{92}	Nozzles	Laval-bell shaped nozzle on the aft end of each OMS pod
N_{94}	Nozzles	Three nozzles on aft-fuselage comprising the main propulsion system (MPS).
N_{107}	Nozzles	Cavities simulating the forward RCS nozzles on the sides and upper surfaces of the fuselage forebody
PR_1	Probe	Flight test nose boom and probe on forebody (FT)
PR_5	Probe	Air data system probe which is strut mounted on the right side of the orbiter forebody
PR_6	Probe	Air data system probe which is strut mounted on the left side of the orbiter forebody
R_{18}	Rudder/Speed Brake	Four individual movable panels which are located on the vertical tail and are used for yaw control and energy management

CONFIGURATIONS INVESTIGATED (Concluded)

Symbol	Component	Definition
V_{23}	Vertical Tail	Double wedge-shaped airfoil mounted in a dorsal position on the aft fuselage
VT_1	Vent	Oval-shaped RCS vent located on each side of the forebody
VT_2	Vent	Oval-shaped cabin vent located on each side of the forebody
W_{129}	Wing	"Double-Delta" shaped primary lifting surface

The above nomenclature is depicted in Figure 2b. Component dimensions are given in Table III.

INSTRUMENTATION

Six-component forces and moments acting on the model were measured by the external balance system of the facility which is described in the Test Facility Description section of this report.

On-board model instrumentation consisted of the following:

1. Air data pressures measured on individual differential pressure transducers,
2. Model pressures measured on scanivalves,
3. Speedbrake and body flap hinge moments, and
4. Control surface position indicators

The first group of measurements were FT, ADS and cross-flow pressures measured on Statham Model PM6±5.0 psid pressure transducers. These transducers were supplied by Rockwell. The flight test probe (FT) was designed and manufactured by Rosemount, Inc., with the capability of measuring the pitot and static pressures and pressures indicative of angles of attack and sideslip. Basic design is depicted in Figure 2c and the pressure hook-up is shown in Figure 2d. Two air data sensor (ADS) probes were installed on the left and right sides of the model. These measured pitot/static pressure and pressures relative to angle-of-attack. Figures 2e and 2f show the design of the probes, and Figure 2g shows the pressure hook-up schematic used for both probes.

The cross-flow taps were two flush static pressure orifices, located on either side of the fuselage forebody to check the model yaw alignment to the freestream. The locations and hook-up of these taps to the PM6 transducer is shown in Figure 2h.

All other model pressures were measured on two ARC-supplied, model S scanivalves located near the right-hand fuselage access door. ± 5.0 psid transducers, referenced to tunnel wall static pressure, were employed in the valves. Thirty-one flush static base pressure orifices were located on the left hand side of the model in the aft surfaces of the OMS/RCS pod and nozzle, fuselage heat shield, MPS nozzles, and the upper and lower surfaces of the body flap. Figure 2i depicts tap numbers and exact locations of all base pressures, and the four flush-mounted static pressures in vertical tail conical post. An alternate, flush-mounted Air Data System was also measured by scanivalve; the numbering system and locations of these taps are shown in Figure 2j. Toward the end of the test (runs 172-175) 14 static pressure "bugs" were installed on the inside surfaces of the two right-hand speedbrake panels. These pressures were also measured on the scanivalves and are shown in Figure 2k.

The third group of model measurements consisted of body flap and speedbrake hinge moments which were monitored on a digital voltmeter. A six-position channel selector was provided so that any of the four speedbrake panels or body flap hinge moment signals could be selected for visual display on the model control console. The control panel of this console is shown in Figure 2ℓ. The design of the hinge moment hardware is depicted in Figure 2m. Hinge moment sign conventions are given in Figures 2n and 2o.

INSTRUMENTATION (Concluded)

Model control surface actuation and position read-out was controlled and monitored by the model control console (Figure 2ℓ). The body flap and elevon panels were hydraulically controlled by a Moog feedback servo system, and the speedbrake panels were actuated by electric motors. All panels utilized rotary potentiometers with digital position read-out on the console. Panel deflection definitions are shown in Figures 2n, o and p.

TEST FACILITY DESCRIPTION

The 40 x 80 foot wind tunnel is located at Ames Research Center, Moffett Field, California. The facility is staffed and operated by the NASA. Although the efforts of the Large Scale Aerodynamics Branch (LSAB) are primarily devoted to research, development testing is done when it is considered to be in the national interest.

The wind tunnel has a closed 40-foot high by 80-foot wide test section with semicircular sides and a single-return, closed-circuit air passage. A 35-ton capacity crane lowers models into the test section through overhead clamshell doors which open to 80 ft. x 49 ft.

The air is driven by six 40-foot diameter fans, each powered by a 6000-horsepower electric motor. The fan section is vented to atmospheric pressure. Maximum clear-tunnel conditions include speeds up to 180 knots, dynamic pressures up to 115 psf and unit Reynold numbers up to about 2 million per foot.

The model was supported in the test section on two fixed struts and a telescoping pitch strut, as shown in Figures 2q and 2r. Windshields which rotated to maintain alignment with tunnel centerline, prevented airloads from acting on all but the tips of the struts. Angle-of-attack of the model is varied by extending or contracting the telescoping strut; sideslip angles in the range $-14^{\circ} < \beta < 276^{\circ}$ are attainable by rotation of the turntable which supports the struts from the balance system.

TEST FACILITY DESCRIPTION (Concluded)

Model loads are transmitted through the struts to the balance floating frame which is supported by seven scales. The readings of the various scales, when combined with the separation distances between scales, yield the six-components of forces and moments acting on the model. A schematic representation of the balance system is shown in Figure 2s.

TEST PROCEDURE

A reference surface, parallel to the fuselage reference line, was provided within the main fuselage cavity. Readings of the telescoping model support strut drive counter were made versus the angle measured with a clinometer on the reference surface. Model attitude (pitch angle) was set during the tests based upon the drive counter reading.

For the sideslip angle, a reference line was located along the lower surface of the model at B.P.Ø. Plumb bobs were dropped from the fore and aft ends of this line to a tunnel reference centerline scribed in the floor. Alignment of these two lines constituted a nominal zero-sideslip condition. Readings of the turntable drive counter were made against reference angles marked around the circumference of the turntable and model yaw settings were based on this calibration.

Pressure transducer calibrations were obtained by regulating the pressure source connected via a manifold to the high side of all the pressure transducers of this test, including the scanivalves. A calibrated dial-type pressure gauge was used to monitor the pressure at the transducers. Readings were set into the tunnel data system and the results were used in the data reduction process.

Strut tare runs were made prior to installation of the model in the tunnel. Runs were made at conditions representative of the test, to determine the airloads on the support struts. Significant results were used to correct the model test data initially, but these were later replaced by corrections obtained from the interference tests of OA159.

TEST PROCEDURE (Concluded)

The control surface deflections were obtained by a load simulating resistor shunted across the leads of the angle pots and the supply voltage adjusted to obtain prescribed outputs. The results of in-tunnel calibrations were employed in the data reduction process.

A shunt resistor was connected sequentially across each leg of the speed brake and body flap hinge moment bridge in the tunnel to set the input voltages and check the integrity of the bridges. The results of in-tunnel calibrations were also employed in the data reduction process.

DATA REDUCTION

The data reduction process was carried out in two steps: on line by the facility, and posttest, i.e., by Chrysler/Dataman after the conclusion of the test.

FACILITY DATA REDUCTION: DATEX I

Six-component data from the external balance system were transferred to the model moment reference center and resolved into body and stability axes forces and moments using existing Ames methods. Corrections applied to the data included model static weight tares, strut tare and interference (determined in Test OA159), test section static and total pressure calibrations and wall effects. Tabulation of this data, in addition to the tunnel conditions, was provided on a run-by-run basis. Plotted main balance data was also made available on a run-by-run basis during the test.

FACILITY DATA REDUCTION: DATEX II

All instrumentation, other than the main external balance outputs, were conditioned, amplified and digitized using the Datex II system and recorded on punched cards. These data were processed immediately after a series of runs to provide:

a) control surface angular settings (all runs)

b) hinge moment coefficients on body flap and speed brakes (these data are not presented herein due to excessive friction in the hinges)

c) pressure coefficients from flush taps on the orbiter nose and in the nose RCS cavities (runs 176 - 190)

d) pressure coefficients from flush taps on the orbiter base,

vertical tail seal post and in the MPS nozzles (runs 2 - 56)

e) pressure coefficients from the aft faces of the R.H. speed brake panels (runs 172 - 175)

f) measured pressure differentials from the flight test probe and air data system probes ratioed to freestream incompressible dynamic pressure ($\Delta p/q$) (runs 176 - 190)

TUNNEL LOCAL CONDITIONS

Based upon available tunnel calibration data, significant differences in static, total and dynamic pressures exist throughout the region of the test section occupied by the model. To adequately define the local conditions at the forward and aft ends of the model, where the bulk of the model measurements are made, separate corrections were applied at these points.

The corrections applied at the front end of the model are based on the results of a recent survey of that portion of the tunnel. The total pressure correction is as-measured; the static pressure correction has been adjusted to comply with the aft tap readings of a Rosemount standard static pressure probe obtained in Test 0A237.

The corrections applied at the aft end of the model are based on the original tunnel survey.

TUNNEL DYNAMIC PRESSURE

The tunnel dynamic pressure sensing system provided the basis for nondimensionalizing main balance data. Since no means existed to transfer that dynamic pressure into the Datex II system, an on-board transducer was rigged to measure that quantity. However, after the conclusion

of the test, it was determined that the accuracy of that measurement was inadequate to reduce the probe data to pressure ratios. Therefore, a table of representative values of Datex I measured dynamic pressure versus the nominal set value was employed for ADS probe data reduction, e.g.,

$q_{Nominal}$	10	20	50	55	100	(psf)
q'_u	10.0	19.9	50.0	54.8	99.7	(psf)

A standard compressibility correction and an adjustment for the differences between the reference dynamic pressure (q'_u) and the free-stream value at the front end of the model were then applied. For ADS measurements, the corrected dynamic pressure was:

$$q_F = q'_u \ (1 + Kq_F) - \Delta q_n$$

where: $Kq_F = Kp_F + Kp_{tF}$

Each scanivalve was plumbed to sense the reference dynamic pressure on one port and that reading from each valve was used to reduce the remaining pressures from that valve. Appropriate adjustments were made for local conditions depending on whether forebody flush taps or fuselage base taps were connected to the valve, e.g.,

$$q_{SV1} = (\text{cycle 2 value})_{SV1} \ (1 + Kq_F) - \Delta q_n$$
$$q_{SV2} = (\text{cycle 2 value})_{SV2} \ (1 + Kq_F) - \Delta q_n$$

} for forebody flush taps connected to valve

$$q_{SV1} = (\text{cycle 2 value})_{SV1} \ (1 + Kq_A) - \Delta q_n$$
$$q_{SV2} = (\text{cycle 2 value})_{SV2} \ (1 + Kq_A) - \Delta q_n$$

} for fuselage base taps connected to valve

where: $Kq_F = Kp_F + Kp_{tF}$ and $Kq_A = Kp_A + Kp_{tA}$

STATIC PRESSURE CORRECTION

The static pressure correction at the forward end of the model is expressed by:

$$K_p = (P_{SP} - P)/q'_u$$

$$K_{P_F} = -0.0000325\,\Delta P55 - 0.0495$$

Static pressure in the vicinity of the model base is expressed by:

$$K_{P_A} = -0.05$$

TOTAL PRESSURE CORRECTION

The total pressure correction at the forward and aft ends of the model, respectively, is defined by:

$$K_{P_T} = (PTREF - PT)/q'_u$$

$$K_{P_{T_F}} = 0.0144 \left[1 + \frac{(q'_u - 100)^2}{75,233}\right]^{1/2}$$

$$K_{P_{T_A}} = 0.006 + 0.11/q'_u$$

BODY FLAP DEFLECTION ANGLE (BDFLAP)

The deflection of the body flap was computed by:

$$\delta_{BF} = K\delta_{BF} \left(R_{\delta_{BF}} - R_{\delta_{BF_o}}\right) \quad \text{(degrees)}$$

INDIVIDUAL ELEVON DEFLECTION ANGLES (DELEX)

The deflections of the individual elevon panels, as measured in a butt plane, were calculated by:

$$\delta_{EX} = K\delta_{EX} \left(R_{\delta_{EX}} - R_{\delta_{EX_o}}\right) \quad \text{(Degrees)}$$

AVERAGE ELEVON AND AILERON DEFLECTION

$$\delta_e = 1/4 \quad \delta_{e_1} + \delta_{e_2} + \delta_{e_3} + \delta_{e_4}$$

$$\delta_a = 1/4 \quad \delta_{e_1} + \delta_{e_2} - \delta_{e_3} - \delta_{e_4}$$

INDIVIDUAL SPEED BRAKE PANEL DEFLECTION ANGLES IN HINGE LINE PLANE (DELSX)

The deflections of the individual speed brake panels, as measured about the hinge line, were computed by:

$$\delta'_{SX} = K_{\delta SX}\left(R_{\delta SX} - R_{\delta SX_o}\right)(\text{degrees}); \; X = 1, 2, 3, 4$$

TOTAL SPEED BRAKE DEFLECTION (SPDBRK)

Speed brake deflection was defined as the sum of the left and right panel displacements from the closed condition, as measured in a water plane.

$$\delta_{SB} = 2 \; TAN^{-1}\left[(\cos \Lambda) TAN\left(\frac{\delta'_{s_1} + \delta'_{s_2} + \delta'_{s_3} + \delta'_{s_4}}{4}\right)\right] (\text{degrees})$$

RUDDER DEFLECTION (RUDDER)

Rudder deflection was defined as the difference of the left and right speed brake panel deflections from the closed condition, as measured in a water plane.

$$\delta_R = TAN^{-1}\left[(\cos \Lambda) TAN\left(\frac{\delta'_{s_1} - \delta'_{s_2} + \delta'_{s_3} - \delta'_{s_4}}{4}\right)\right]; \; \Lambda = 34.83^{\circ}$$

POST TEST DATA PROCESSING BY DATAMAN:

Upon completion of the test and determination of the correctness of the data, a data tape was prepared by ARC in a format acceptable to Chrysler/Dataman. This tape contained all valid data gathered during the test as computed in the off-line processing.

STRUT TARE AND INTERFERENCE CORRECTIONS:

$$C_L \text{ (final)} = C_L(40 \times 80) - \Delta C_{LT}$$

$$C_D \text{ (final)} = C_D(40 \times 80) - \Delta C_{DT}$$

$$C_m \text{ (final)} = C_m(40 \times 80) - \Delta C_{mT}$$

where tare values are as given by Table V.

TUNNEL BLOCKAGE CORRECTION

Tunnel blockage corrections were applied to the force and moment coefficient data. This was done at the request of Rockwell International per instructions provided in Reference 5.

The following model reference dimensions and constants were used in the data reduction process:

DATA REDUCTION (Continued)

Item	Description	0.36-Scale	Full Scale
A_B	fuselage base area with MPS on, ft^2	See Table IV	441.543
b	wing reference span. ft.	28.100	78.057
$\bar{c}$	wing mean aerodynamic chord. ft.	14.242	39.56
$E_{o\,\alpha\,ADC}$	output of full scale FT probe α pot to Air Data Computer for vane aligned with probe centerline, volts	--	2.30
$E_{o\,\alpha\,DISP}$	output of full scale FT probe α pot to cockpit display for vane aligned with probe centerline, volts	--	3.30
$E_{o\,\beta'_{ADC}}$	output of full scale FT probe β pot to Air Data Computer for vane aligned with probe centerline, volts	--	5.00
$E_{o\,\beta\,DISP}$	output of full scale FT probe β pot to cockpit display for vane aligned with pot centerline, volts	--	7.50
f_{α_A}	ADS α probe calibration parameter	(See Ref. 4)	
f_{α_F}	flight test α probe calibration parameter	(See Ref. 3)	
f_{β_F}	flight test β probe calibration parameter	(See Ref. 3)	
i_{F_α}	incidence of FT probe to FRL, deg. positive nose up	-5	-5
i_{F_β}	incidence of FT probe to model $\mathcal{L}$ positive nose left of centerline, deg.	0	0
$K_{\alpha\,ADC}$	electrical output of full scale flight test probe α pot to Air Data Computer per degree of vane deflection, volts/deg.	--	0.36
$K_{\alpha\,DISP}$	electrical output of full scale flight test probe α pot to cockpit display per degree of vane deflection, volts/deg.	--	0.56

DATA REDUCTION (Continued)

Item	Description	0.36-Scale	Full Scale
$K_{\beta_{ADC}}$	electrical output of full scale flight test probe β pot to Air Data Computer per degree of vane deflection, volts/deg.	--	0.225
$K_{\beta_{DISP}}$	electrical output of full scale flight test probe β pot to cockpit display per degree of vane deflection, volts/deg.	--	0.35
$K_{\delta_{BF}}$	body flap deflection pot calibration factor, deg./mv.	(See Table VI)	
$K_{\delta_{EX}}$	elevon panel deflection pot calibration factor, X = 1, 2, 3, 4, deg./mv.	(See Table VI)	
$K_{\delta_{SX}}$	speed brake panel deflection pot calibration factor, X = 1, 2, 3, 4, deg./mv.	(See Table VI)	
ℓ_B	orbiter reference body length, ft.	38.709	107.525
	in.	464.508	1290.300
MRC	model moment reference center, ft.	32.300	89.723
	in.	387.605	1076.680
$R_{\delta'_{BF}}$	body flap pot reading at zero deflection, mv.	0	--
$R_{\delta'_{EX}}$	elevon panel X = 1, 2, 3, 4 pot reading at zero deflection, mv.	0	--
$R_{\delta'_{SX}}$	speed brake panel X = 1, 2, 3, 4 reading at zero deflection, mv.	0	--
S	wing reference area, ft^2	348.624	2690.0
S_{BF}	body flap reference area, ft^2	17.593	135.75
S_s	speed brake reference area, ft^2	12.680	97.84

DATA REDUCTION (Concluded)

Item	Description	0.36-Scale	Full Scale
X_{CG}	distance from nose IML to MRC, ft.	25.160	69.890
	in.	301.925	838.680
Λ	sweep angle of speed brake hinge line, deg.	34.83	34.83

REFERENCES

1. SD75-SH-0100-1, -2, "Pretest Information for Investigations on a 0.36-Scale Model (76-0) of the Space Shuttle Orbiter Vehicle 101 in the NASA/Ames Research Center 40 x 80 Foot Subsonic Wind Tunnel - (Test OA100)," dated April 3, 1975.

2. NA-74-810, "Structural Analysis of the 0.36-Scale SSV Model 76-0," dated November 1, 1974.

3. Rosemount Report 127410, "Aerodynamic Performance of a 0.36-Scale Model of the 92AF Flight Test Air Data Boom for use Ahead of a 0.36-Scale Model of the Space Shuttle Orbiter," dated December 10, 1974.

4. Rosemount Report 47515B, Rev. A, "Aerodynamic Performance of 0.36-Scale Model 874AU Air Data Sensors for Fuselage Mounting on a 0.36-Scale Model of the Space Shuttle Orbiter," dated May 16, 1975.

5. Rockwell International Internal Letter No. SAS/AERO/76-541, "Blocking Correction for 40 x 80 Force/Moment and Base Pressure Data," dated October 28, 1976.

TABLE I.

TEST : OA100 DATE : JUNE, 1975

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER $\text{Ref. (MAC)} \times 10^{-6}$	DYNAMIC PRESSURE (pounds/sq. ft.)	STAGNATION TEMPERATURE (degrees Fahrenheit)
.11	11.8	20	70°F - 120°F
.19	18.5	50	↓ ↓
.26	26.0	100	

BALANCE UTILIZED: 40' x 80' BALANCE FRAME SYSTEM

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE: (Q=50 psf)
FRONT LIFT	102,000 LBS	L=±5 LBS	CL=±0.0003
REAR LIFT	102,000 LBS	D=±1 LB	CD=±0.00005
DRAG	32,400 LBS	SF=±1 LB	CY=±0.00005
FRONT SIDE FORCE	16,400 LBS	PM=±160 FT-LBS	CM=±0.00065
REAR SIDE FORCE	16,400 LBS	RM=±85 FT-LBS	Cℓ=±0.0002
FRONT ROLL	26,000 LBS	YM=±24 FT-LBS	Cn=±0.00005
REAR ROLL	26,000 LBS		

COMMENTS:

AMS 010

TABLE II

TEST: QA100 (ARC 40X80-T462) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: JUNE 1975

DATA SET IDENTIFIER	CONFIGURATION QV101	Sch'd. α	Sch'd. β	δ_R	δ_e	δ_a	δ_{BF}	δ_{SB}	BASE PRESS	NOSE PRESS	SIDE PROBE	NOSE PROBE	NOSE GEAR	Dynamic Pressure – Q: 20	50	100
RNA01A	BASIC LONGITUDINAL	A	0	0	0	0	0	25	✓		✓	✓		4'	5'	7[4]
B		A			0										6[3]	
C		A			10									2'	8'	14[2]
D		A			-10									3'	9'	15
RNA01E	BASIC LATERAL	0	X	0	0	0	0	25	✓		✓	✓		16	21	45
F		0	X°												22	
G		5	X											17	23	
H		10												18	24	46
I		15												19[5]	25	
J		20												20	26	
RNA01K	ELEVON EFFECTS	0	0	0	δ_e	0	0	25	✓		✓	✓			10	
L		5			δ_e										11	
M		10			δ_e										12	
N		10			δ_e°										13	
P		15			δ_e										27	
		20			δ_e										28	
RNA01Q	AILERON EFFECTS	0	0		0	δ_a	0	25	✓		✓	✓			29	
RNA01R	AILERON EFFECTS	5			0	δ_a	0	25	✓		✓	✓			30	

YEST RUN NUMBERS

°REPEAT RUN [1]MISSING α=17.5 [2]MISSING α=25 [3]MISSING α=17.5, 25 [4]MISSING α=20, 25 [5]MISSING β=5°

α(A) = -5, ... (Δ2.5) ..., 20, 25

δ_e = -35, ... (Δ5) ..., 20

β(X) = -13., -10., -5., -2., 0., 2., 5., 10., 15., 20.

δ_a = 0, 2.5, 5., 7.5, 10., 15.

NASA-MSFC-MAF

TEST: OA100 (ARC 40X80-T462) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: JUNE 1975

DATA SET IDENTIFIER	CONFIGURATION OV101	Sc HD. α	β	δ_R	δ_e	δ_a	δ_{BF}	δ_{SC}	BASE PRESS	NOSE PRESS	SIDE PROBE	NOSE PROBE	NOSE GEAR	DYNAMIC PRESSURE - Q 50	TEST RUN NUMBERS
RNA01S	AILERON EFFECTS	10	0	0	0	δ_a	0	25	✓		✓	✓		50	31
T		10				δ_a°								50	32
U		15				δ_a								50	33
V		20				δ_a								50	34
W		0	0	0	10	δ_a'	0	25						50	50
X		5												50	51
Y		10												50	52
Z		15												50	53
RNA02A		20												50	54
B		0	0	0	-10	δ_a	0	25						50	55
C		5												50	56
D		10								✓	✓	✓		50	57
E		15												50	58
F		20												50	59
G		0	0	0	-20	δ_a	0	25						50	70
H		5												50	71
I		10												50	72
J		15												50	73

°REPEAT RUN

δ_a = 0, 2.5, 5, 7.5, 10, 15.

δ_a' = 0, 2.5, 5, 7.5, 10, 13

NASA-MSFC-MAF

TABLE II (Continued)

TEST: OA100 (ARC 40X80-T462) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: JUNE 1975

DATA SET IDENTIFIER	CONFIGURATION OV101	Sc HD. α	Sc HD. β	δ_R	δ_e	δ_a	δ_{BF}	δ_{SD}	BASE PRESS	NOSE PRESS	SIDE PROBE	NOSE PROBE	NOSE GEAR	DYNAMIC PRESSURE - Q	TEST RUN NUMBERS
RNA02K	AILERON EFFECTS	20	0	0	-20	δ_a	0	25		✓	✓	✓		50	
L		0	5	0	0	δ_a	0	25						74	
M		5												60	
N		10												61	
Q		15												62	
P		20												63	
RNA02Q		0	5	0	10	δ_a'	0	25		✓	✓	✓		64	
R		5												65	
S		10												66	
T		15												67	
U		20												68	
RNA02V		0	10	0	0	δ_a	0	25		✓	✓	✓		69	
W		5												75	
X		10												76	
Y		15												77	
Z		20												78	
RNA03A		0	10	0	10	δ_a'	0	25		✓	✓	✓		79	
RNA03B		5	10	0	10	δ_a'	0	25		✓	✓	✓		80	
														81	

δ_a = 0, 2.5, 5, 7.5, 10, 15

δ_a' = 2, 2.5, 5, 7.5, 10, 13

NASA-MSFC-MAF

TABLE II (Continued)

TEST : OA100 (ARC 40X80-T462) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE : JUNE 1975

DATA SET IDENTIFIER	CONFIGURATION OV101	Sc HD. α	Sc HD. β	δ_R	δ_e	δ_2	δ_{BF}	δ_{SC}	BASE PRESS	NOSE PRESS	SIDE PROBE	NOSE PROBE	NOSE GEAR			DYNAMIC PRESSURE - Q				TEST RUN NUMBERS
RNA03C	AILERON EFFECTS	10	10	0	10	δ_2'	0	25		✓	✓	✓				50				
D		15	↓	↓	↓	↓	↓	↓		✓	✓	–				82				
E	↓	20	↓	↓	↓	↓	↓	↓		✓	✓	–				83				
RNA03F	BODY FLAP EFFECTS	0	0	0	0	0	δ_{BF}'	25	✓		✓	✓				84				
G		5	↓	↓	↓	↓	↓	δ_{BF}	↓	↓	↓	↓				35				
H		10						δ_{BF}								36				
I		10						δ_{BF}°								37				
J		15						δ_{BF}								38				
K	↓	20	↓	↓	↓	↓	↓	δ_{BF}	↓	↓	↓	↓				39				
RNA03L	SPEED BRAKE EFFECTS	0	0	0	0	0	0	δ_{SB}	✓		✓	✓				40				
M		5	↓	↓	↓	↓	↓	δ_{SB}	↓	↓	↓	↓				41				
N		10						δ_{SB}								42				
O		10						δ_{SB}°								43				
P		15						δ_{SB}								44				
Q	↓	20	↓	↓	↓	↓	↓	δ_{SB}	↓	↓	↓	↓				48				
																49				

°REPEAT RUN

δ_{BF} = -11.5, 0, 16.5, 22.7 (δ_{BF}' HAS 2 "0" PTS)

δ_{SB} = 0, 25, 55, 87.5

δ_{SB}' = 0, 25, 55

δ_2' = 0, 2.5, 5, 7.5, 10, 13

NASA-MSFC-MAF

TABLE II (Continued)

TEST: QA100 (ARC 40X80-T462) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: JUNE 1975

DATA SET IDENTIFIER	CONFIGURATION ΦV101	Sc HD. α	Sc HD. β	δ_R	δ_e	δ_a	δ_{BF}	δ_{SB}	BASE PRESS	NOSE PRESS	SIDE PROBE	NOSE PROBE	NOSE GEAR	DYNAMIC PRESSURE – Q (TEST RUN NUMBERS)
RNA03R	RCS PORTS CLOSED	A	0	0	0	0	0	25		✓	✓	✓		50
S		0	X											101
T		5	X											102
U		10	X											103
V		15	X											104
W		20	X											105
RNA03X	RUDDER/SPEED BRAKE	B	0	–	0	0	0	–		✓	✓	✓		106
Y		B	T	-15				55						88[1]
Z		B		0										89[2]
RNA04A		B		5										90[3]
B		T		10										91
C				15										92
D				19.5				48.						93
E		B	5	0	0	0	0	55		✓	✓	✓		94
F		T	T	5										95
G				10										96[4]
H				15										97
I				19.5				48						98
														99

[1] MISSING α = 5, 20 [2] MISSING α = 5 [3] MISSING α = 20 [4] MISSING α = 15

α (B) = 0, 5, 10, 15, 20

δ_{SB} (3X) = 29, 49, 45 δ_R (3X) = -10, -20, -18

B (X) = -13, -10, -5, -2, 0, 2, 5, 10, 15, 20

α (A) = -5, ... (2.5) ... 20, 25

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TABLE II (Continued)

TEST : QA100 (ARC 40X80-T462) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : JUNE 1975

DATA SET IDENTIFIER	CONFIGURATION QV101	Sc HD. α	Sc HD. β	δ_R	δ_e	δ_{a_2}	δ_{BF}	δ_{SB}	BASE PRESS	NOSE PRESS	SIDE PROBE	NOSE PROBE	NOSE GEAR			DYNAMIC PRESSURE - Q			
																50			
RNA04J	RUDDER/SPEEDBRAKE	B	0	-22.5	0	0	0	25		✓	✓	✓				86			
K	RUDDER/SPEEDBRAKE	B	0	-15	0	0	0	25		✓	✓	✓				87			
L	GEAR DOWN	B	0	3.0	0	0	0	20		✓	✓	✓	✓			108			
M	↓	↓	5	3.0	↓	↓	↓	20		✓	✓	✓	✓			109			
N	↓	↓	10	-5.5	↓	↓	↓	36.5		✓	✓	✓	✓			110			
Q	GEAR DOWN FTP OFF	B	0	0	0	0	0	25		✓	✓		✓			111			
P	↓	↓	5	↓	↓	↓	↓	↓		↓	↓		✓			112			
Q	↓	↓	10	↓	↓	↓	↓	↓		↓	↓		✓			113			
R	FTP OFF	B	0	0	0	0	0	25		↓	↓	↓	↓			115			
S	↓	↓	5	↓	↓	↓	↓	↓		↓	↓	↓	↓			114			
T	↓	↓	10	↓	↓	↓	↓	↓		↓	↓	↓	↓			116			
U	↓	↓	15	↓	↓	↓	↓	↓		↓	↓	↓	↓			117			
V	↓	↓	22.5	↓	↓	↓	↓	↓		↓	↓	↓	↓			118			
W	↓	B	5	0	0	0	0	25		✓	✓	↓	↓			119			
X	↓	↓	5	↓	↓	↓	↓	↓		↓	↓	↓	↓			120			
Y	↓	↓	10	↓	↓	↓	↓	↓		↓	↓	↓	↓			121			
Z	↓	↓	15	↓	↓	↓	↓	↓		↓	↓	↓	↓			122			
RNA05A	↓	↓	22.5	↓	↓	↓	↓	↓		↓	↓	↓	↓			123			

TEST RUN NUMBERS

α (B) = 0, 5, 10, 15, 20

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DMS CCI:

TABLE II (Continued)

TEST : QA100 (ARC 40X80-T462) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE : JUNE 1975

DATA SET IDENTIFIER	CONFIGURATION QV101	Sch. α	Sch. β	δ_R	δ_e	δ_a	δ_{BF}	δ_{SB}	BASE PRESS	NOSE PRESS	SIDE PROBE	NOSE PROBE	NOSE BEAR	Dynamic Pressure - Q	TEST RUN NUMBERS
RNA058	FTP QFF	B	10	0	0	0	0	25		✓	✓			50	124
C				5											125
D				10											126
E				15											127
F	↓	↓	↓	22.5	↓	↓	↓	↓		↓	↓				128
G	FTP QN ADS QFF	B	0	0	0	0	0	87		✓		✓		129	
H				3.5				84.5						130	
I				5.5				80						131	
J		↓	↓	6.0	↓	↓	↓	78						132	
K		B	5	0	0	0	0	87						133	
L				3.5				84.5						134	
M				5.5				80						135	
N		↓	↓	6.0	↓	↓	↓	78						136	
Q		B	10	0	0	0	0	87						137	
P				3.5				84.5						138	
Q				5.5				80						139	
R		↓	↓	6.0	↓	↓	↓	78						140	
S	↓	10	0	δ_R	0	0	0	25		↓		↓		141	

$\delta_R = \pm 22.5, \pm 15., \pm 10., \pm 5., 0.$

α (B) = 0, 5, 10, 15, 20

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TABLE II (Continued)

TEST : OA100 (ARC 40X80-T462) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : JUNE 1975

DATA SET IDENTIFIER	CONFIGURATION OV101	Sc HD. α	Sc HD. β	δ_R	δ_e	δ_a	δ_{BF}	δ_{se}	BASE PRESS	NOSE PRESS	SIDE PROBE	NOSE PROBE	NOSE GEAR	DYNAMIC PRESSURE - Q 50	TEST RUN NUMBERS
RNA05T	FTP ΦN ADS ΦFF	B	5	0	0	0	0	0		✓		✓		142	
U			10					0						143	
V			10					25						144	
W	ADS ΦFF GEAR ΦN	B	0	0	0	0	0	87		✓			✓	145	
X			5											146	
Y			10											147	
Z	FTP+ADS ΦFF GEAR ΦN	B	0	0	0	0	0	0		✓				148	
RNA06A			5											149	
B			10											150	
C	FTP + ADS ΦFF	B	0	0	0	0	0	0		✓				151	
D				5										152	
E				10										153	
F				15										154	
G				20.5										155	
H		B	5	0	0	0	0	0		✓				156	
I				5										157	
J				10										158	
K				15										159	

α(B) = 0, 5, 10, 15, 20

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DMS CCL

TABLE II (Continued)

TEST : QA100 (ARC 40X80-T462) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : JUNE 1975

DATA SET IDENTIFIER	CONFIGURATION QV101	Sch HD. α	Sch HD. β	δ_R	δ_e	δ_a	δ_{BF}	δ_{SB}	BASE PRESS	NOSE PRESS	SIDE PROBE	NOSE PROBE	NOSE GEAR	DYNAMIC PRESSURE – Q 10	20	50	100	TEST RUN NUMBERS
RNA06L	FTP & ADS OFF	B	5	20.5	0	0	0	0		✓						160		
M	FTP ON, ADS OFF	B	10	0	0	0	0	0		✓		✓				161		
N	↓	↓	↓	5	↓	↓	↓	↓		↓		↓				162		
O				10												163		
P				15												164		
Q		↓	↓	20.5	↓	↓	↓	↓								165		
R		C	0	0	0	0	0	25								167		
S		↓	-5	↓	↓	↓	↓	↓									47	
T			2													168		
U		↓	10	↓	↓	↓	↓	↓								169		
V		B	10	0	0	0	0	55								166		
W		A	0	0	0	10	0	25								170		
X	↓	10	X	0	0	10	0	25		↓						171		
Y	SB PRESS ADS OFF	B	0	0	0	0	0	55						172	173	174*		
Z	↓ + TUFTS	A	5	0	0	0	0	55				↓				175		

*SCHEDULE A FOR RUN 174 ONLY

α(C) = -5, ... (Δ2.5) ..., 10, ... (Δ1) ..., 20

α(A) = -5, ... (Δ2.5) ..., 20, 25

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TEST : QA100 (ARC 40X80-T46Z)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : JUNE 1975

DATA SET IDENTIFIER	CONFIGURATION QV101	Sc HD. α	Sc HD. β	δ_R	δ_e	δ_z	δ_{BF}	δ_{SB}	BASE PRESS	NOSE PRESS	SIDE PROBE	NOSE PROBE	NOSE GEAR	DYNAMIC PRESSURE - Q 50	DYNAMIC PRESSURE - Q 100
RNA01A	ADS ON	B	5	0	0	0	0	25		✓	✓	✓			176
B	↓	Ā	0	↓	↓	↓	↓	↓		↓	↓	↓			177'
C		Ā	-5												178
D		Ā	-10												179
E	NOSE GEAR ON	B	5										✓		180†
F	↓	A	0										✓		181
G		B	-5										✓		182
H		B	-10									↓	✓		183
I	FTP OFF	B	5												184
J	↓	A	0												185
K		B	-5												186
L		B	-10	↓	↓	↓	↓	↓		↓	↓				187
M		B	0	0	0	0	0	55							188
N		10	X	0	10	0	22	25						189	
Q	↓	10	X	0	10	0	-11.7	25						190	
P	FTP ON	10	X	0	0	0	0	0				✓		35	
↓ Q	↓	10	X	0	0	0	0	55				✓		100	

TEST RUN NUMBERS

'MISSING α = 20

α (A⁻) = -5, ... (Δ2.5) ..., 20

β (X) = -15, -10, -5, -3, 0, 2, 5, 10, 15, 20

α (A) = -5, ... (Δ2.5) ..., 20, 25

TABLE II (Concluded)

Data Set/Run Numbers Collation Summary

Dataset 1st Character	1st Indep. Variable	2nd Indep. Variable	Dependent Variables
A	Q	*	CP2 CP3 CP4 CP5 CP6 CP7 CP8 CP9 CP10 CP11
B			ALPHAU BETA/ALPHA Q1 DP/Q50 DP/Q51 DP/Q52
C			ALPHAU BETA/ALPHA Q1 CP68 CP69 CP70 CP71 CP72 CP73
D			DELS1 DELS2 DELS3 DELS4 SPDBRK/RUDDER
E			DELE1 DELE2 DELE3 DELE4 BDFLAP ELEVON/AILRON
F			CP12 CP13 CP14 CP15 CP16 CP17 CP18 CP19 CP20 CP21
G			CP22 CP23 CP24 CP25 CP26 CP27 CP28 CP29 CP30 CP31
H			BAR ALPHAU Q1 DP/Q55 DP/Q54 DP/Q52 DP/Q53 DP/Q56
I			BETA/ALPHA DP/Q61 DP/Q63 DP/Q62 DP/Q64 DP/Q67
J			BAR ALPHAU Q1 DP/Q55 DP/Q54 DP/Q57 DP/Q59 DP/Q65
K			BAR ALPHAU Q1 DP/Q55 DP/Q54 DP/Q58 DP/Q60 DP/Q66
L			ALPHAU BETA/ALPHA Q1 CP74 CP75 CP76 CP77 CP78 CP91
M			ALPHAU BETA/ALPHA Q1 CP80 CP81 CP82 CP83 CP84 CP85
P			ALPHAU BETA/ALPHA Q1 CP86 CP87 CP88 CP89 CP90 CP79
Q			ALPHAU BETA/ALPHA Q1 CP92
R			BETA/ALPHA CL CD CLM CY CLN CSL
Z			QCOR CL CD CLM CY CLN CSL DQCQU

*Various: ALPHA, BETA, ELEVON, AILRON, BDFLAP, SPDBRK, RUDDER

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: BODY - B_{69}

GENERAL DESCRIPTION: Identical to B_{64}, except the mid-body TPS has been removed from X_o 562 to X_o 1307. From these points, the TPS fairs into the IML on a 5 deg. angle.

MODEL SCALE: 0.360

DRAWING NUMBER: VC70-000002, MD-V70 BASELINE 7/19/74

DIMENSIONS: In.	FULL SCALE	MODEL SCALE
Ref. Length (IML) X_o 238 to 1528.3	1290.3	464.508
OML Max Width	262.718	94.579
IML Max Width	260.718	93.859
OML Max Depth	248.575	89.487
IML Max Depth	246.575	88.767
OML Fineness Ratio	5.1365	5.1365
IML Fineness Ratio	5.1525	5.1525
Area - Ft^2		
Max. Cross-Sectional (@ X_o 1463.316)	340.820	44.170

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: CANOPY - C_{14}

GENERAL DESCRIPTION: The canopy is that part of the forward fuselage which covers the crew module. One inch TPS thickness on the canopy. C_{14} is to the Baseline Definition Vehicle Configuration 5. MCR 200 Rev. 7, 10/17/74

MODEL SCALE: 0.360

DRAWING NUMBER: VC70-000002, MD-V70 Baseline 7/19/74

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (X_o 435.196 to 670.0), in.	234.80	84.528
Max Width X = 594.0, in.	195.58	70.409

WINDSHIELD PLANES:

$$.7012\ X_o - 0.2552\ Y_o - 6.1789 = 0$$
$$.5710\ X_o - 0.5641\ Y_o + 32.7354 = 0$$
$$.2636\ X_o - 0.7564\ Y_o + 189.4094 = 0$$

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: DUCT - DT_1

GENERAL DESCRIPTION: Simulated ram air duct in right-hand observation window. Duct is a 90° pipe elbow used in conjunction with the smoke removal system.

MODEL SCALE: 0.360

DRAWING NUMBER: V070-613840, V070-310147

DIMENSIONS:	FULL SCALE	MODEL SCALE
Inlet dia.,(O.D. at inlet), In.	4.000	1.440
Max height (Top of base to duct centerline at inlet), In.	6.750	2.430
Max Depth (Inlet plane to centerline of base), In.	6.000	2.160
Area $In.^2$		
Max. Cross-Sectional	33.283	4.313

Centerline of duct intersects top surface of flange on window pane at:

X_o	559.700	201.492
Y_o	- 11.754	- 4.231
Z_o	498.972	179.630

Centerline of duct canted 4.5° outboard from window pane and 11.27° outboard from orbiter XZ plane

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ELEVON -E_{54}

GENERAL DESCRIPTION: Elevon for Configuration 5, hingeline at X_o = 1387, elevon split line Y_o = 312.5, 6.0" gaps, beveled edges and centerbodies "OML" used on Wing W_{129}. Reference MCR 200, Rev. 7, 10/17/74.

MODEL SCALE: 0.360

DRAWING NUMBER: VC70-000002 and MD-V70 Baseline 7/19/74

DIMENSIONS:	FULL SCALE	MODEL SCALE
Ref. Area - Ft^2	210.00	27.216
Area - Ft^2	206.57	26.771
Span (equivalent) (Y_o = 121.73), In. elevon root	346.44	124.718
Inb'd equivalent chord (Y_o = 468.17) in., elevon tip	116.50	41.94
Outb'd equivalent chord	55.219	19.879
Ratio movable surface chord/ total surface chord		
At inb'd equiv. chord (Y_o=121.73)	0.2137	0.2137
At outb'd equiv. chord (Y =468.17)	0.3999	0.3999
Sweep Back Angles, degrees		
Leading Edge	0	0
Trailing Edge	- 10.056	- 10.056
Hingeline	0	0
Area Moment (Product of Area x $\bar{c}$), Ft^3	1540.668	71.881
Mean Aerodynamic Chord, In.	89.50	32.22

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY FLAP - F_{14}

GENERAL DESCRIPTION: Orbiter body flap configuration 5 (OML) to be used with B_{64}. HL X_o = 1532.0, Z_o = 287, baseline MCR 200 Rev. 7, 10/17/74.

MODEL SCALE: 0.360

DRAWING NUMBER: VC70-000002 and MD-V70, 7/19/74

DIMENSIONS:	FULL SCALE	MODEL SCALE
Total		
Area - Ft^2	135.75	17.59
Span (Equivalent), In.	238.000	85.68
Inb'd equivalent chord, In.	81.00	29.16
Outb'd equivalent chord, In.	81.00	29.16
Sweep Back Angles, degrees		
Leading Edge	0.0	0.0
Trailing Edge	0.0	0.0
Hingeline	0.0	0.0
Area Moment (MAC X Total Area), Ft^3	916.313	42.75
Mean Aerodynamic Chord, In.	81.00	29.16

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAPPER DOOR - FD_1

GENERAL DESCRIPTION: Inboard elevon flapper door which is simulated by a single trapezoidal-shaped flat plate. (Data for one of two sides.)

MODEL SCALE: 0.360

DRAWING NUMBER: SS-A01223

DIMENSIONS:	FULL SCALE	MODEL SCALE
Area - Ft^2	40.417	5.238
Span (equivalent), In.	185.083	66.630
Inb'd equivalent chord, In.	34.269	12.337
Outb'd equivalent chord, In.	31.047	11.177
Sweep Back Angles, degrees		
Leading Edge	0.0	0.0
Trailing Edge	- 0.997	- 0.997
Hingeline @ X_o 1369.625 INFS	0.0	0.0
Area Moment (Product of Area & $\bar{c}$), Ft^3	106.0	4.946
Mean Aerodynamic Chord, In.	31.472	11.33

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAPPER DOOR - FD_2

GENERAL DESCRIPTION: Outboard elevon flapper door, which is simulated by a single trapezoidal-shaped flat plate. (Data for one of two sides.)

MODEL SCALE: 0.360

DRAWING NUMBER: SS-A01223

DIMENSIONS:	FULL SCALE	MODEL SCALE
Area - Ft^2	26.528	3.438
Span (equivalent), In.	126.139	45.410
Inb'd equivalent chord, In.	31.047	11.177
Outb'd equivalent chord, In.	29.519	10.627
Sweep Back Angles, degrees		
Leading Edge	0.0	0.0
Trailing Edge	- 0.694	- 0.694
Hingeline @ X_o 1369.625 INFS	0.0	0.0
Area Moment (Product of Area x $\bar{c}$), Ft^3	66.958	3.124
Mean Aerodynamic chord	30.289	10.904

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FAIRING - FR_{12}

GENERAL DESCRIPTION: Escape hatch hinge fairing. Two fairings each, for both escape hatch doors, (total of four) located on upper orbiter forebody, in front of observation windows.

MODEL SCALE: 0.360

DRAWING NUMBER: SS-A01447

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length, In.	10.000	3.600
Max Width, In.	2.500	0.900
Max Depth, In. (Occurs at X_o 538.FS)	2.125	0.765
Area - $In.^2$		
Planform	25.000	3.240
Frontal	5.313	0.689
Center of hinge fairings X_o	534.750	192.510
(Planform view) Y_o	$\pm$ 17.210	$\pm$ 6.196
(Total of four) Y_o	$\pm$ 30.989	$\pm$ 11.156

TABLE III. MODEL DIMENTIONAL DATA (Continued)

MODEL COMPONENT: LANDING GEAR - G_{18}

GENERAL DESCRIPTION: Simulation of nose landing gear with gear doors and associated struts and retracting hardware.

MODEL SCALE: 0.360

DRAWING NUMBER: SS-A01222, SS-A01241

DIMENSIONS:	FULL SCALE	MODEL SCALE
NOSE LANDING GEAR		
STRUT		
Number	1	1
Diameter, In.	6.944	2.500
Length, In.		
Pivot Point to Wheel Axis	76.408	27.507
Pivot Point Location, In.		
X_o	375.500	135.180
Z_o	298.000	107.280
WHEELS		
Number	2	2
Diameter, In.	32.000	11.520
Width, In.	10.000	3.600
Axis Location, In.		
X_o	374.2636	134.735
Y_o	0.0	0.0
Z_o	221.705	79.814
DOORS		
Side		
Number	2	2
Length, In.	110.786	39.883
Height, In.	17.750	6.390
Area, Ft^2	13.657	1.770

Hingeline Location (Hingepoints)

	FWD	AFT	FWD	AFT
X_o	281.828	357.172	101.458	128.582
Y_o		± 28.500	± 10.260	
Z_o	313.717	293.531	112.938	105.671

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: HATCH - HA_1

GENERAL DESCRIPTION: Main ingress/egress crew hatch located on left side of orbiter forebody. Hatch is simulated by cutting outlines in simulated TPS.

MODEL SCALE: 0.360

DRAWING NUMBER: SS-A01447

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (Dia.), In.	48.222	17.360
Window dia., In.	19.000	6.840
Gap Width, In.	1.000	0.360
Area - Ft^2		
Max. Cross-Sectional	13.306	1.724
Location of center of hatch		
X_o	510.611	183.820
Z_o	368.000	132.480

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: HINGES - HG_1

GENERAL DESCRIPTION: Hinges for the Cargo Bay doors. Thirteen on each side of the mid-fuselage.

MODEL SCALE: 0.360

DRAWING NUMBER: SS-A01571

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (Streamwise), In.	7.333	2.64
Max Width	2.0833	0.75
Max Depth	2.5694	0.925
Area - $In.^2$		
Max. Cross-Sectional	2.997	1.079
Frontal	2.997	1.079
Centerline of all hinges is located at Z_o	420.000	151.200
Model stations of centerline of hinges (Left and Right) X_o	602.306	216.830
	669.806	241.130
	737.306	**265.430**
	783.556	282.080
	850.611	306.220
	917.639	330.350
	966.361	347.890
	1033.389	372.020
	1100.444	396.160
	1144.194	411.910
	1204.194	433.510
	1264.000	455.040
	1297.000	466.920

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: OMS PODS (OML)-M_{18}

GENERAL DESCRIPTION: Configuration 5 updated orbiter OMS pods - short pod. Baseline definition MCR 200 Rev. 7, 10/17/74.

MODEL SCALE: 0.360

DRAWING NUMBER: VC70-000002, VL70-008410, MD-V70, 7/19/74

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length, In. X_o 1311 - 1511	200.00	72.00
Max Width, In.(X_p 304, X_o 1511)	135.75	48.87
Max Depth, In. (X_p 304, X_o 1511)	74.50	26.82
Fineness Ratio	1.937	1.937
Area - Ft^2		
Max. Cross-Sectional @ X_p 304	58.169	7.539

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: OMS NOZZLES - N_{92}

GENERAL DESCRIPTION: The two orbiter maneuvering system nozzles are laval-bell shaped and are located at the aft end of the OMS pod. OMS nozzles in stowed position are outboard 9° and down 7° from null position.

MODEL SCALE: 0.360

DRAWING NUMBER: VC70-000002, SS-A1240

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length - In.		
Gimbal Point to Exit Plane	56.000	20.160
Diameter - In.		
Exit	50.000	18.000
Throat	27.778	10.000
Area - Ft^2		
Exit	13.634	1.767
Throat	4.205	0.545
Gimbal Point (Station) - In.		
Left Nozzle		
X_o	1518.00	546.480
Y_o	+ 88.00	+ 31.680
Z_o	492.00	177.120
Right Nozzle		
X_o	1518.00	546.480
Y_o	- 88.00	- 31.680
Z_o	492.00	177.120
Null Position - Deg.		
Left Nozzle		
Pitch (Up)	15°49'	15°49'
Yaw (Outboard)	6°30'	6°30'
Right Nozzle		
Pitch (Up)	15°49'	15°49'
Yaw (Outboard)	6°30'	6°30'

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: MPS NOZZLES - N_{94}

GENERAL DESCRIPTION: The main propulsion nozzles are laval-bell shaped and are located on the aft planes of the orbiter. The dimensions are external and not to be scaled for plume tests.

MODEL SCALE: 0.360

DRAWING NUMBER: VC70-000002, VL70-008144, RS009169, SS-A01216

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length, In.		
Gimbal Point to Exit Plane	156.69	56.408
Diameter, In.		
Exit (O.D.)	93.75	33.75
Gimbal Point (Station), In.		
Upper Nozzle		
X_o	1445.00	520.20
Y_o	0.00	0.00
Z_o	443.00	159.480
Lower Nozzle		
X_o	1468.170	528.541
Y_o	53.00	19.080
Z_o	342.64	123.350
Null Position, Deg.		
Upper Nozzle		
Pitch	16°0'Up	16°0'Up
Yaw	0.0	0.0
Lower Nozzle		
Pitch	10.0°Up	10.0°Up
Yaw	3.5 Outb'd	3.5 Outb'd

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FORWARD RCS NOZZLES - N_{107}

GENERAL DESCRIPTION: Three forward firing nozzles -X, 3 up firing nozzles +Z, 2 down firing nozzles on each side -Z, 2 side firing nozzles on each side ±Y, and one down vernier firing on each side -Z.

MODEL SCALE: 0.360

DRAWING NO.: VL70-008296, Up Firing Location +Z, VL70-008502, Forward Firing Location -X
VL70-008501, Down Firing Location -Z, VL70-008501, Side Firing Location, ± Y

I.D.	NOZZLE POSITION AND DRAWING NUMBER	FULL SCALE			MODEL SCALE		
		X_0	Y_0	Z_0	X_0	Y_0	Z_0
112	FWD FIRING LOCATION		+ 14.0	393.261		+ 5.04	141.574
122	-X	303.606	℄	394.661	109.298	℄	142.078
132	VL70-008502		- 14.0	393.261		- 5.04	141.574
115	UP FIRING LOCATION		+ 14.0	414.167		+ 5.04	149.100
125	+Z	350.611	℄	415.135	126.220	℄	149.449
135	VL70-008296		- 14.0	414.167		- 5.04	149.100
116/136	DOWN FIRING LOCATION -Z LEFT AND RIGHT SIDE	336.00	± 63.637	357.681	120.960	± 22.909	128.765
126/146	VL70-008501	350.00	± 68.089	358.300	126.000	± 24.512	128.988
113	UPPER SIDE FIRING LOCATION						
134	± Y VL70— 008501	363.00	± 70.719	370.388	130.680	± 25.459	133.340
123	LOWER SIDE FIRING LOCATION						
144	± Y VL70-008501	365.00	± 72.480	356.181	131.400	± 26.093	128.225
157	DOWN FIRING - LEFT & RIGHT						
158	-Z VL70-008501	325.20	± 60.355	353.250	117.072	± 21.728	127.170

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: PROBE - PR_1

GENERAL DESCRIPTION: Flight test boom and probe. Instrumentation consists of pitot-static ports and side probes for alpha and beta calibration. Temperature probe is simulated in mockup only.

MODEL SCALE: 0.360

DRAWING NUMBER: VL70-327001A, SS-A10204, Rosemount 00855-1153

DIMENSIONS:		FULL SCALE	MODEL SCALE
Length (Centerline distance from probe tip to nose OML), In.		215.325	77.517
Max Width (Dia. at pierce point OML), In.		6.201	2.232
Length (Exposed probe), In.		31.485	11.335
Fineness Ratio		0.0288	0.0288
Area - $In.^2$ Max. Cross-Sectional		30.200	3.914
Centerline of boom intersects OML on orbiter nose at: (In.)	X_o	238.067	85.704
	Z_o	349.017	125.646
Centerline of probe at tip leading edge is located at (In.):	X_o	23.561	8.482
	Z_o	330.251	118.890

The centerline of the probe is at -5 deg. incidence with respect to the model fuselage reference plane, with positive being nose-up. The centerline of the boom and probe is coincident with the model plane of symmetry.

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: PROBE - PR_5

GENERAL DESCRIPTION: Air data system probe which is strut-mounted on the right side of the orbiter forebody. Probe is instrumented as an angle-of-attack sensor, and pitot-static sensor.

MODEL SCALE: 0.360

DRAWING NUMBER: Rosemount 00856-1948

DIMENSIONS:		FULL SCALE	MODEL SCALE
Probe total length (Centerline of base to tip of probe), In.		11.347	4.085
Probe length (tip of probe to L.E. of strut), In.		6.500	2.340
Probe height (centerline of probe to base surface), In.		5.000	1.800
Strut Max.thickness, In.		0.650	0.234
Strut chord length, In.		4.500	1.620
Probe dia. (Max cross-sectional), In.		1.000	0.360
Strut sweep angles, deg.:	L.E.	- 30.0	- 30.0
	T.E.	- 30.0	- 30.0
Mounting base, dia., In.		4.500	1.620
Location of base center:	X_o	302.056	108.740
	Y_o	$\pm$ 52.994	$\pm$ 19.0078
	Z_o	323.364	116.411

The centerline of the probe is at -10 deg. incidence to the model fuselage reference plane, as measured in a butt plane with positive being nose-up. The probe centerline is positioned parallel to the forebody local OML.

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: PROBE - PR_6

GENERAL DESCRIPTION: Air data system probe which is strut-mounted on the left side of the orbiter forebody. Probe is instrumented as a pitot-static sensor, and angle-of - attack sensor.

MODEL SCALE: 0.360

DRAWING NUMBER: Rosemount 00856-1947

DIMENSIONS:		FULL SCALE	MODEL SCALE
Probe total length (Centerline of base to tip of probe), In.		11.347	4.085
Probe height (Centerline of probe to base surface), In.		5.000	1.800
Probe length (tip of probe to L.E. of strut), In.		6.500	2.340
Strut max. thickness, In.		0.650	0.234
Strut chord length		4.500	1.620
Probe diameter (Max. cross-sectional), In.		1.000	0.360
Strut sweep angles, L.E., Deg.		- 30.0	- 30.0
T.E., Deg.		- 30.0	- 30.0
Dia. of mounting base, In.		4.500	1.620
Location of base center:	X_o	302.056	108.7
	Y_o	± 52.994	± 19.00
	Z_o	323.364	116.4

The centerline of the probe is at -10 deg. incidence to the model fuselage reference plane, as measured in a butt plane with positive being nose-up. The probe centerline is positioned parallel to the forebody local OML.

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: RUDDER - R_{18}

GENERAL DESCRIPTION: The rudder is a secondary movable airfoil at the trailing edge of the vertical fin, V_{23}. Baseline definition configuration 5, reference MCR 200, Rev. 7, 10/17/74. (OML)

MODEL SCALE: 0.360

DRAWING NUMBER: VC70-000002, and MD-V70-7/19/74

DIMENSIONS:	FULL SCALE	MODEL SCALE
Area - Ft^2	97.84	12.680
Span (equivalent), In.	198.614	71.501
Inb'd equivalent chord, In.	91.07	32.785
Outb'd equivalent chord, In.	50.80	18.288
Ratio movable surface chord/total surface chord		
At inb'd equiv. chord Z_V=80.496	0.400	0.400
At outb'd equiv. chord Z_V=279.110	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	34.833	34.833
Trailing Edge	26.249	26.249
Hingeline	34.833	34.833
Area Moment (Product of Area and $\bar{c}$), Ft^3	593.889	27.708
Mean aerodynamic chord, In.	72.840	26.222

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL - V_{23} (OML)

GENERAL DESCRIPTION: The vertical tail is double-wedge shaped and mounted dorsally on the aft fuselage. It is to the baseline vehicle configuration 5, Ref. MCR 200, Rev. 7, 10/17/74

MODEL SCALE: 0.360

DRAWING NUMBER: VC70-000002 and MD-V70, 7/19/74

DIMENSIONS: TOTAL DATA	FULL SCALE	MODEL SCALE
Area (Theo) - Ft^2		
Planform	413.253	53.558
Span (Theo) - In.	315.720	113.659
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep-Back Angles, Degrees		
Leading Edge	45.000	45.000
Trailing Edge	26.25	26.25
0.25 Element Line	41.13	41.13
Chords:		
Root (Theo) WP	268.50	96.66
Tip (Theo) WP	108.47	39.049
MAC	199.81	71.932
Fus. Sta. of .25 MAC	1463.50	526.860
W.P. of .25 MAC	635.52	228.787
B.L. of .25 MAC	0.0	0.0
Airfoil Section		
Leading Wedge Angle - Deg.	10.00	10.00
Trailing Wedge Angle - Deg.	14.92	14.92
Leading Edge Radius	2.00	0.72
Void Area	13.17	1.707
Blanketed Area	0.0	0.0

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VENT - VT_1

GENERAL DESCRIPTION: Oval-shaped vent cut-out in TPS, which vents the RCS area. One on each side of the forward fuselage.

MODEL SCALE: 0.360

DRAWING NUMBER: VC70-000007, SS-A01447

DIMENSIONS:		FULL SCALE	MODEL SCALE
Length		4.86	1.75
Max Width		4.00	1.44
Max Depth		OML to IML	OML to IML
Area - $In.^2$			
Max. Cross-Sectional		16.006	2.074
Center of vent, in.	X_o	384.80	138.528
	Z_o	371.40	133.704

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VENT - VT_2

GENERAL DESCRIPTION: Oval-shaped vent cutout in simulated TPS which vents the cabin area. One vent located on each side of the forward fuselage.

MODEL SCALE: 0.360

DRAWING NUMBER: VC70-000007, SS-A01447

DIMENSION:		FULL SCALE	MODEL SCALE
Length		9.56	3.442
Max Width		4.00	1.440
Max Depth		OML to IML	OML to IML
Area			
Max. Cross-Sectional		34.806	4.571
Center of vent, In.	X_o	398.60	143.496
	Z_o	374.50	134.820

TABLE III. MODEL DIMENSIONAL DATA (Concluded)

MODEL COMPONENT: WING-W129

GENERAL DESCRIPTION: The wing is the primary lifting device and is mounted horizontally and is symmetric about the plane $Y_o = 0$. A cuff from the fuselage to the wing leading edge @ $X_o = 940$ to $Y_o = 1084$. Baseline configuration 5, MCR 200 Rev.7, 10/17/74. MODEL SCALE: 0.360

DRAWING NUMBER: VC70-000002 and MD-V70

DIMENSIONS:	FULL SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.) Ft^2		
Planform	2690.00	348.624
Span (Theo) In.	936.68	337.205
Aspect Ratio	2.265	2.265
Rate of Taper	1.1773	1.1773
Taper Ratio	0.2000	0.2000
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Sweep Back Angles, degrees		
Leading Edge	45.00	45.00
Trailing Edge	- 10.056	- 10.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.0.0.	689.2429	248.127
Tip, (Theo) B.P.	137.8486	49.625
MAC	474.8117	170.932
Fus. Sta. of .25 MAC	1136.834	409.260
W.P. of .25 MAC	290.857	104.709
B.L. of .25 MAC	182.132	65.568
EXPOSED DATA		
Area (Theo) Ft^2	1751.50	226.994
Span, (Theo) In. BP108	720.68	259.445
Aspect Ratio	2.060	2.060
Taper Ratio	0.2452	0.2452
Chords		
Root BP108	562.090	202.352
Tip 1.00 b/2	137.8486	49.625
MAC	392.826	141.417
Fus. Sta. of .25 MAC	1186.50	427.140
W.P. of .25 MAC	293.683	105.726
B.L. of .25 MAC	251.769	90.637
Airfoil Section (Rockwell Mod NASA)XXXX-64		
Root b/2 =	0.1136	0.0408
Tip b/2 =	0.120	0.0432
Data for (1) of (2) Sides		
Planform Area Ft^2	145.4	18.844
Leading Edge Intersects Fus M.L. @ Sta	500.0	180.000
Leading Edge Intersects Wing @ Sta	1084.00	390.240

TABLE IV. BASE PRESSURE AREAS

TAP NUMBER	AREA, FT^2 MODEL SCALE (MPS NOZZLES ON)
1	0
2	2.094
3	1.728
4	2.572
5	BODY FLAP
6*	0
7	4.466
8	0
9	2.481
10	1.838
11	1.838
12	3.525
13	4.079
14	BODY FLAP
15	6.745
16	2.350
17	1.944
18	0.867
19	0.867
20	0.867
21	0.867
22	0.627
23	1.336
24	1.336
25	1.336
26	1.336
27	2.425
28	2.425
29	2.425
30	2.425
31	2.425
TOTAL AREA	57.224

*Tube 6 broken and area added to tubes 7 and 9

TABLE V. STRUT TARE AND INTERFERENCE ADJUSTMENTS TO 40 X 80 COMPUTED AERO DATA BASED ON TEST OA159 RESULTS

α	ΔC_{L_T}	ΔC_{D_T}	ΔC_{m_T}
-6	-.0187	.0087	.0195 + .000023 Q
-4	-.0182	.0063	.0190
-2	-.0177	.0041	.0185
0	-.0173	.0022	.0180
2	-.0169	0	.0172
4	-.0164	-.0014	.0167
6	-.0159	-.0024	.0162
8	-.0155	-.0031	.0157
10	-.0150	-.0036	.0152
12	-.0145	-.0039	.0147
14	-.0142	-.0040	.0140
16	-.0139	-.0041	.0136
18	-.0136	↓	.0132
20	-.0135		.0130
22	-.0134		.0129
24	-.0133		.0128
26	-.0132		.0128

where:

C_L (FINAL) = C_L(40x80) - ΔC_{L_T}

C_D (FINAL) = C_D(40x80) - ΔC_{D_T}

C_m (FINAL) = C_m(40x80) - ΔC_{m_T}

α = Datex I corrected α

q = Datex I dynamic pressure

TABLE VI. CONTROL SURFACE CONSTANTS

	K_δ(deg/volt)
ELEVON PANEL #1	$K_{\delta EX}$ = 2.47
#2	2.60
#3	2.59
#4	2.54
SPEEDBRAKE PANEL #1	$K_{\delta SX}$ = 9.282
#2	9.133
#3	9.151
#4	9.450
BODY FLAP	RUNS 21-188 = 9.542 RUNS 189-190 = 9.400

TABLE VII. BLOCKING CORRECTIONS

MINIMUM DRAG - C_{D_o}

EQUATION: $C_{D_o} = C_{D_{oBASIC}} + \Delta C_{D\delta_E} + \Delta C_{D\delta_{SB}} + \Delta C_{D\delta_{BF}}$

	CONTROL DEFLECTION	CONFIGURATION TAILCONE-OFF
$C_{D_{oBASIC}}$	$\delta_{SB} = 25^\circ$, $\delta_{BF} = 0^\circ$, $\delta_E = 0^\circ$	0.068
	$\delta_{SB} = 0^\circ$, $\delta_{BF} = -11.7^\circ$, $\delta_E = 0^\circ$	---
$\Delta C_{D\delta_E}$	$\delta_E = -30^\circ$	0.033
	$= -20^\circ$	0.005
	$= -10^\circ$	-0.005
	$= 0^\circ$	0.0
	$= 10^\circ$	0.010
	$= 20^\circ$	0.030
$\Delta C_{D\delta_{BF}}$	$\delta_{BF} = -11.7^\circ$	0.030
	$= 0^\circ$	0.0
	$= 16.3^\circ$	0.030
	$= 22.5^\circ$	0.060
$\Delta C_{D\delta_{SB}}$	$\delta_{SB} = 0^\circ$	-0.009
	$= 25^\circ$	0.0
	$= 55^\circ$	0.024
	$= 87.2^\circ$	0.049

LIFT AT MINIMUM DRAG - C_{L_o}

	CONTROL DEFLECTION	TAILCONE-OFF
C_{L_o}	$\delta_E = -30^\circ$	-0.10
	$= -20^\circ$	-0.10
	$= -10^\circ$	0.0
	*	

*NOTE: Use $C_{L_o} = 0$ for all other angles of δ_e

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

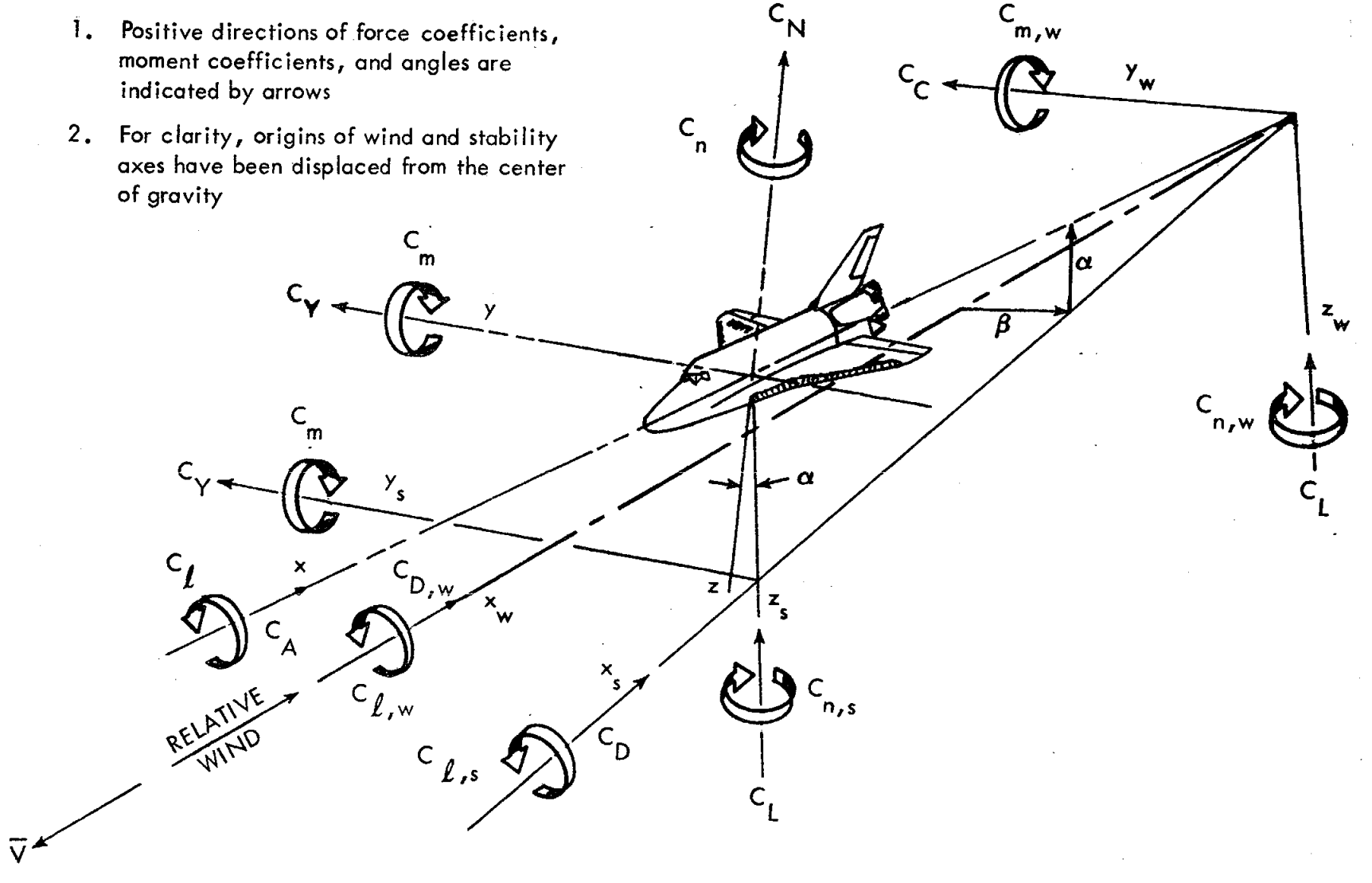
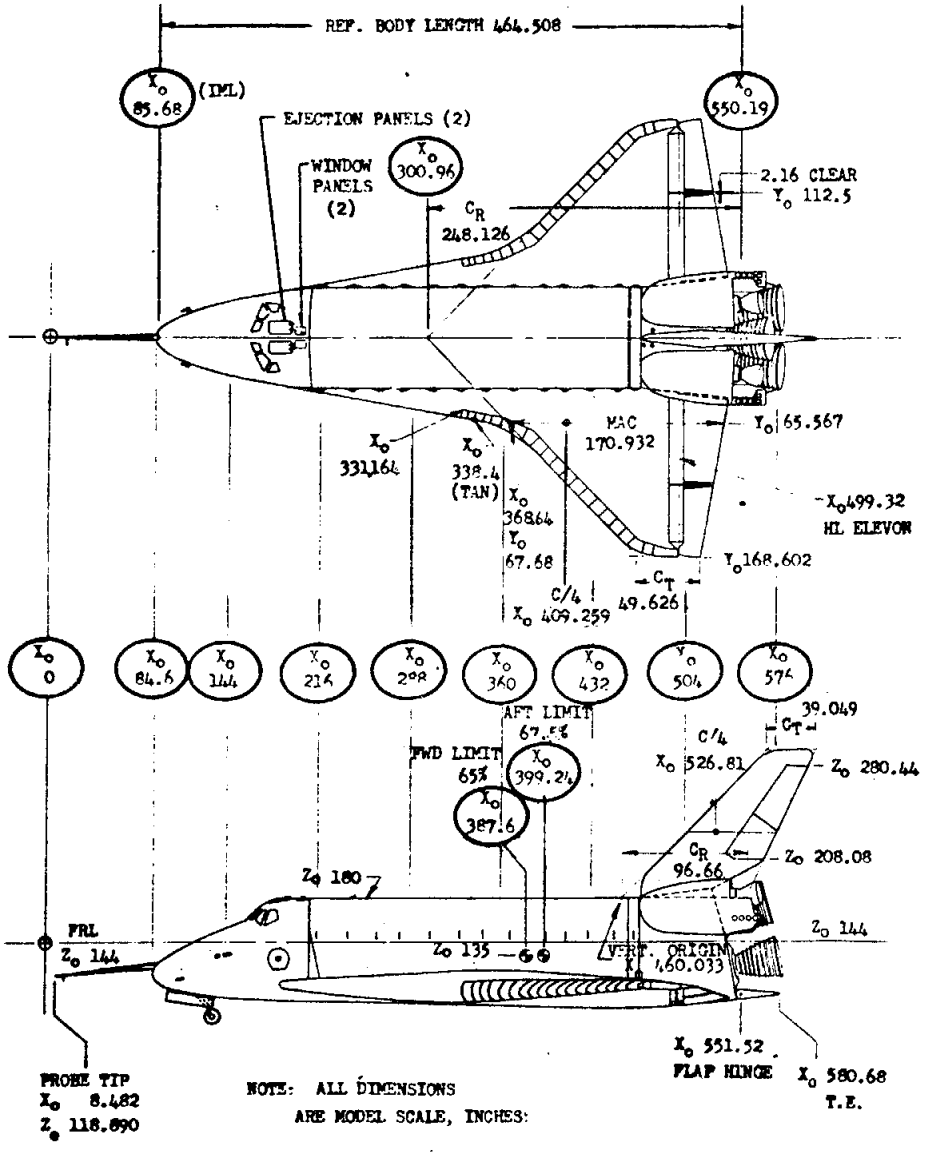
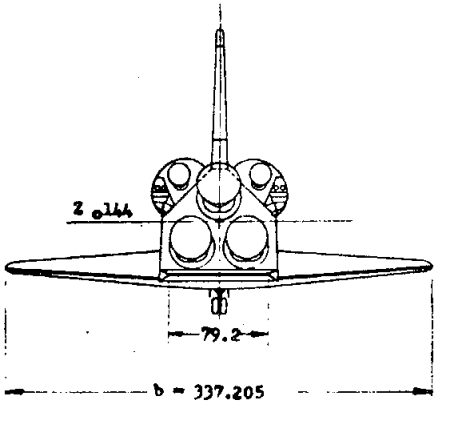


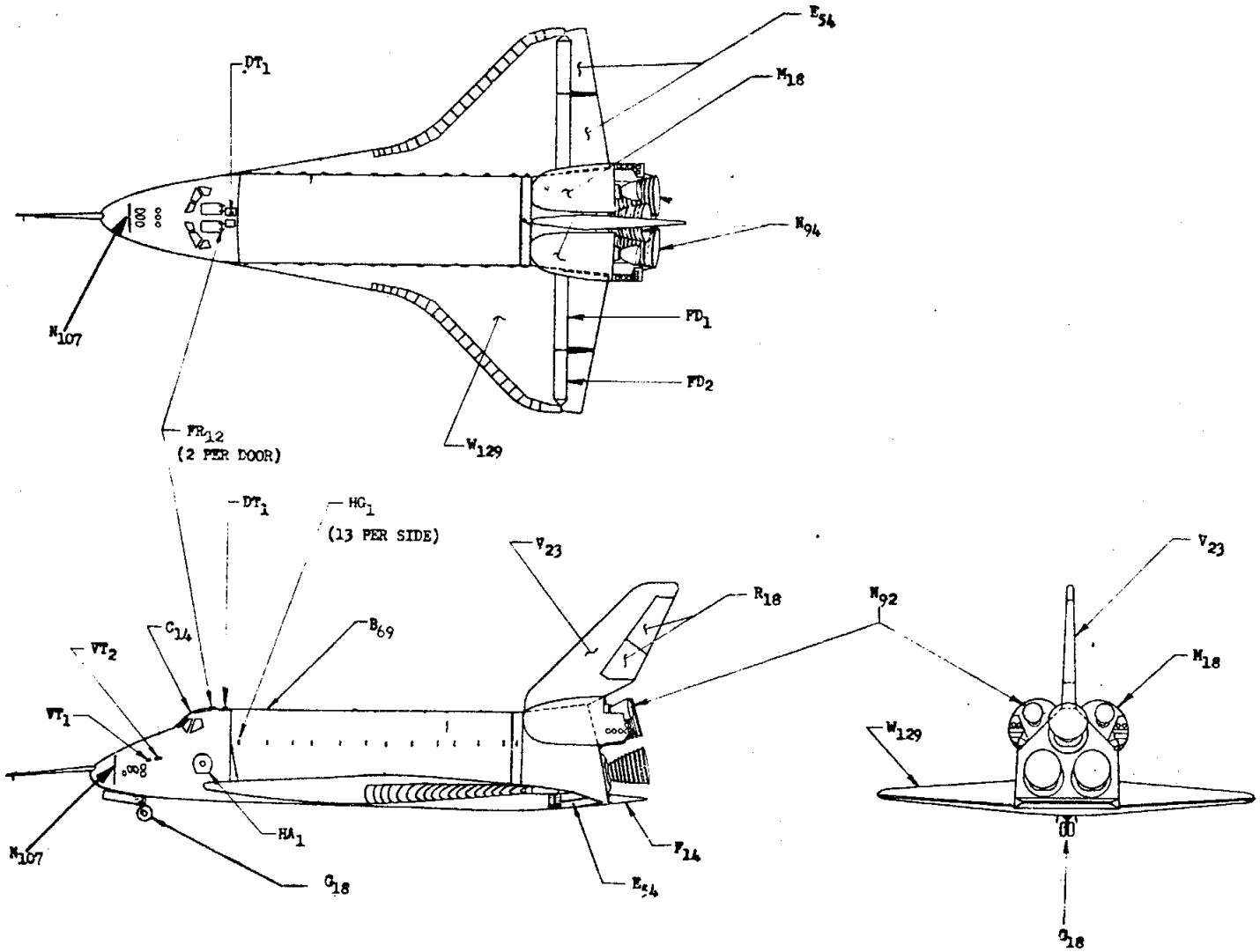
Figure 1. Axis systems.



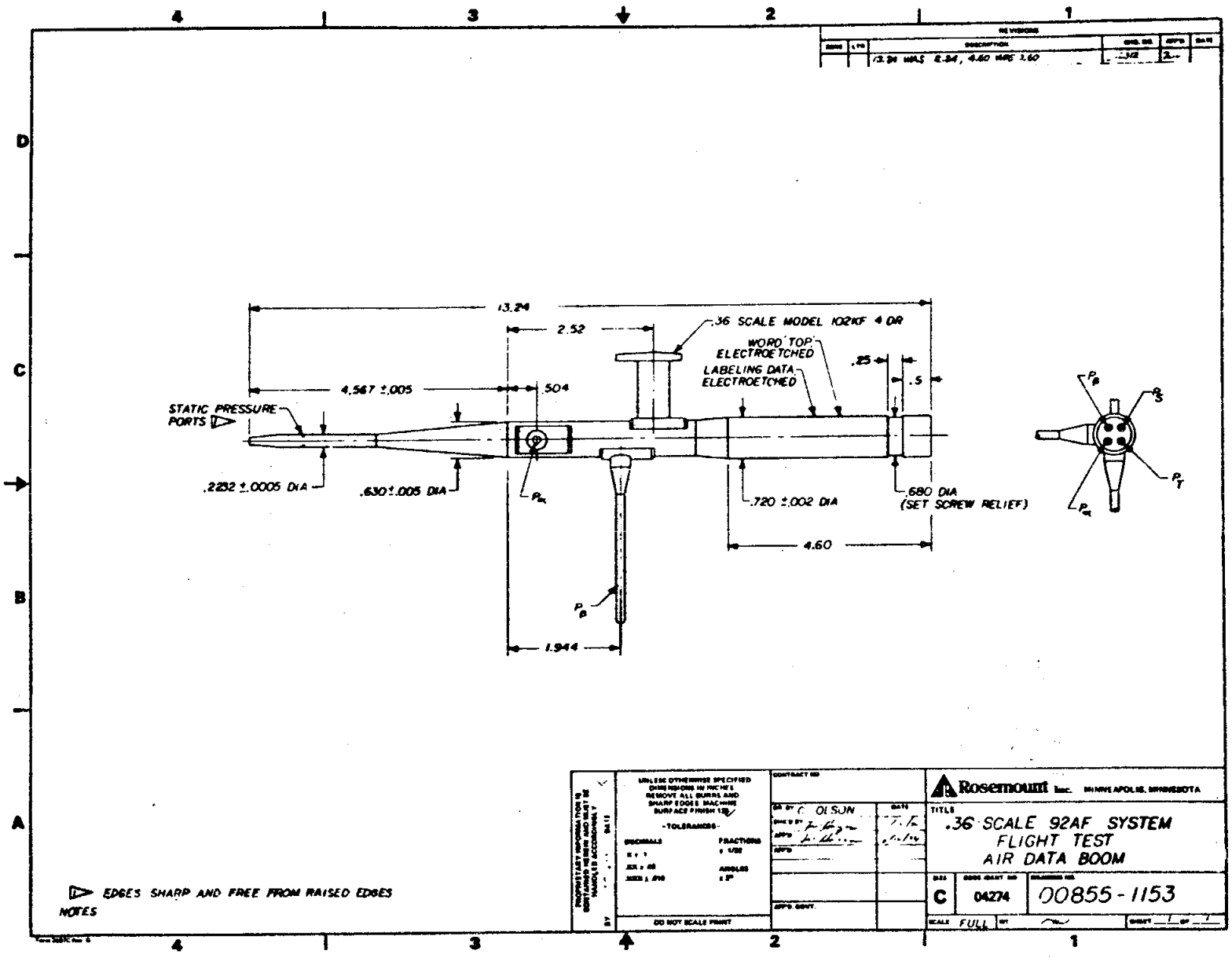
GEOMETRY			
	WING	VERTICAL	FLAP
S_w, FT^2	348.624	53.557	17.593
A R	2.265	1.675	
λ	0	0.404	
Λ L.E.	45	45°	
DIHEDRAL (@ CHORD PLANE & T.E.)	3°30'		
α BASIC WING	+ 0.5 DEG.		
t/c Y = 0 (℄ BODY)	0.1137		
t/c Y_o = 71.64	0.113		
t/c X_o = 168.602	0.12		
b, in.	337.205		
C_R, IN.	248.126		
C_T, IN.	49.626		
$\bar{C}$, IN.	170.932		
MAC	Y_o 65.567	Z_o 228.787	
AIRFOIL	TIP 0012-64	10° SYM.	
	Y_o 71.64, 0010	60-40 WEDGE	
V_V(TAIL VOLUME)		0.0537	
S_wEXPOSED, FT^2 (TOTAL)	260.807	47.835	
S_{GLOVE} EXPOSED, FT^2 (TOTAL)	37.688		
S_w WETTED, FT^2 (TOTAL)	518.556	95.751	
S_{ELEVON}, FT^2(ONE SIDE)	26.771		
S_{RUDDER}, FT^2		12.590	



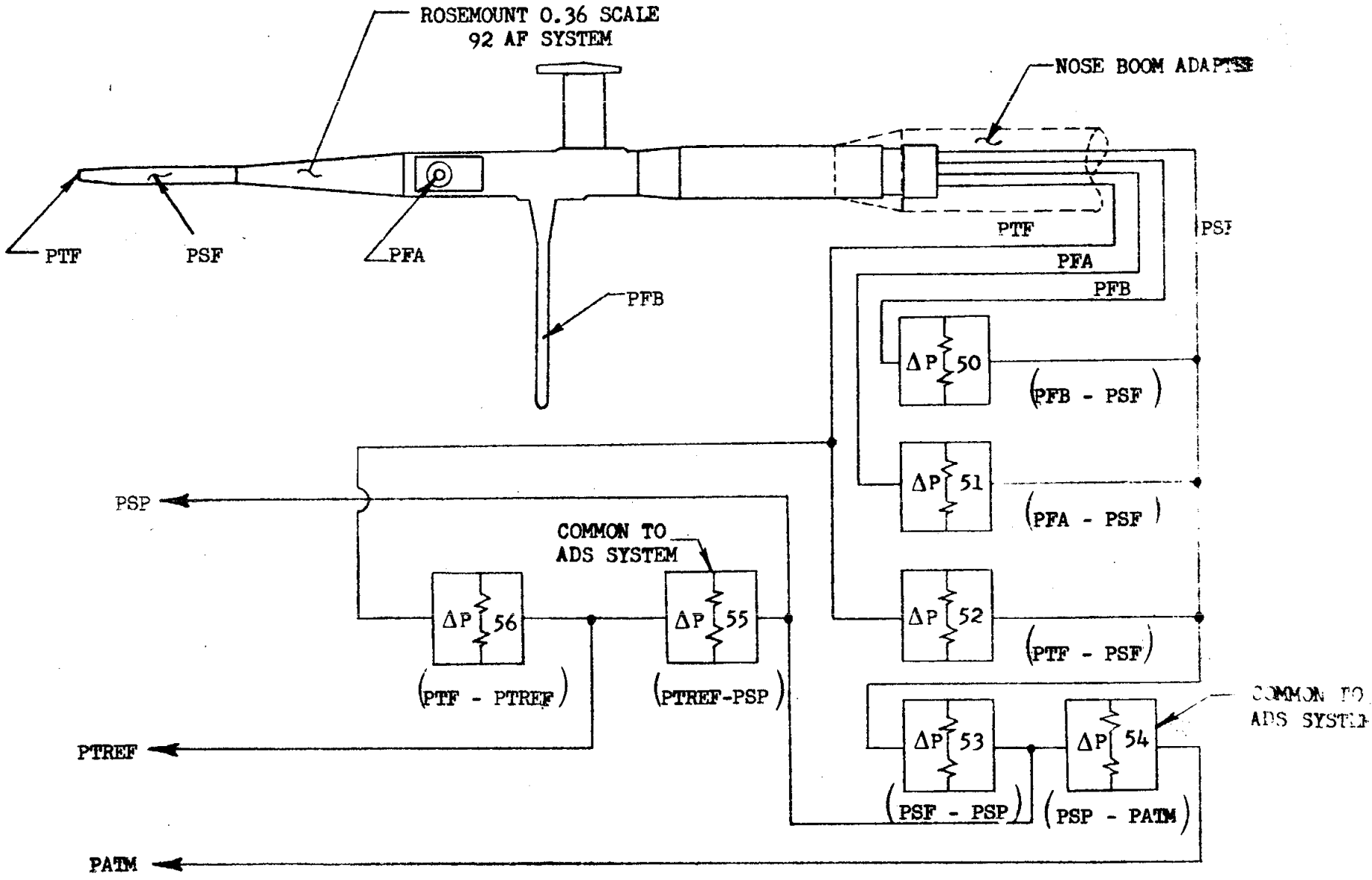
a. Orbiter Basic Dimensions
Figure 2. Model figures



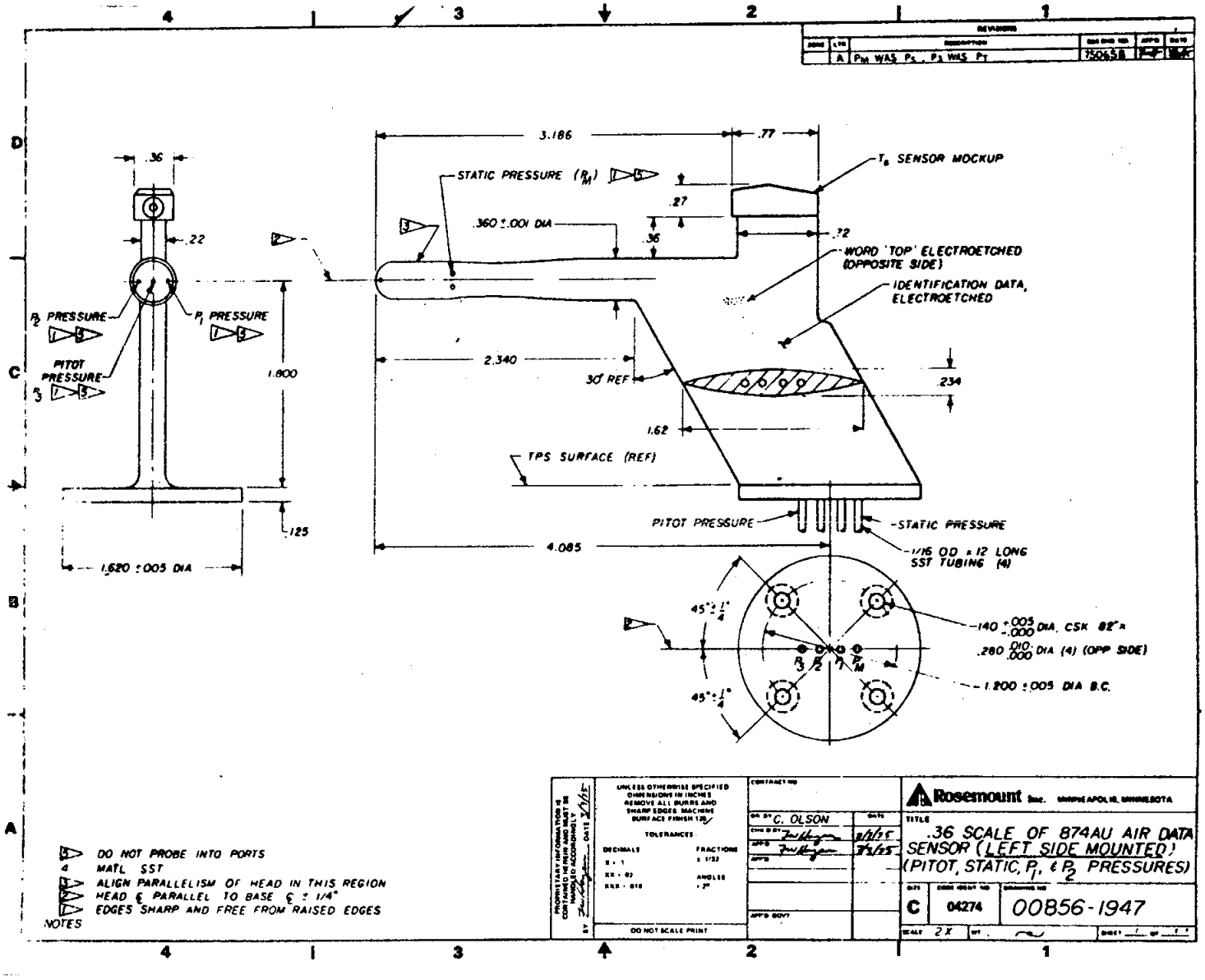
b. Model Nomenclature
Figure 2. Continued.



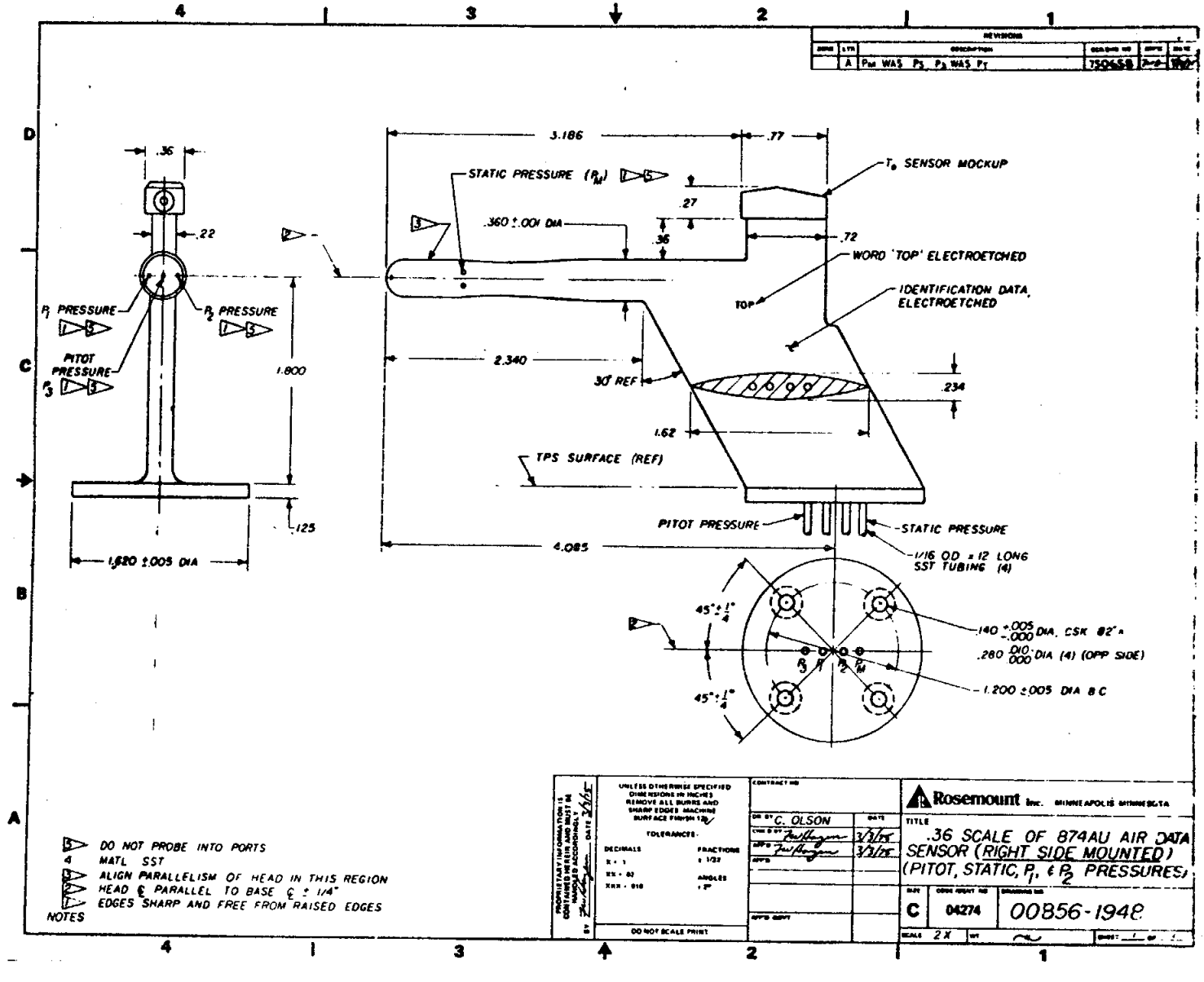
c. 0.36-Scale 92AF System Flight Test Air Data Boom
Figure 2. Continued.



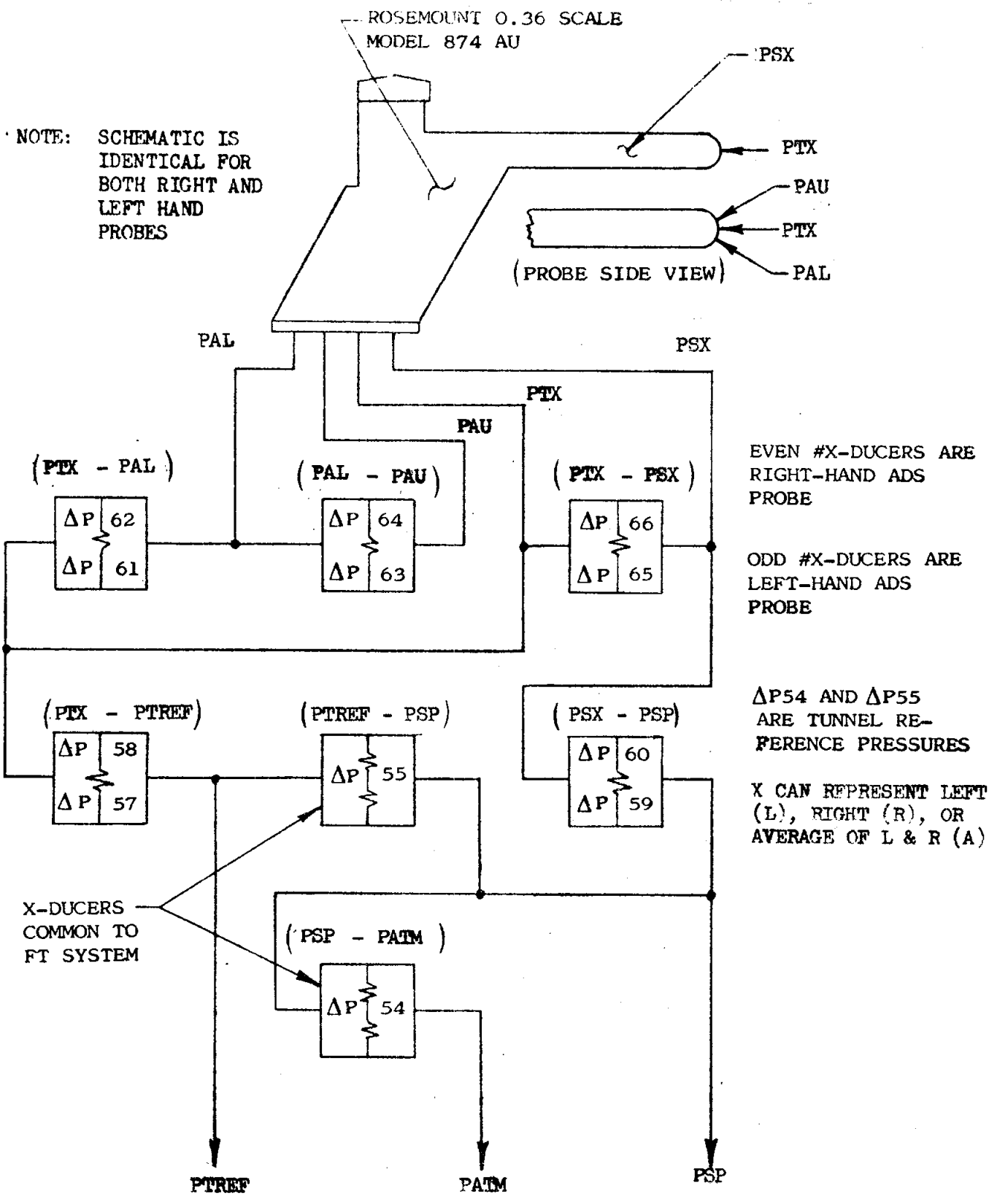
d. Pressure Hook-up for Flight Test Probe (FT)
Figure 2. Continued.



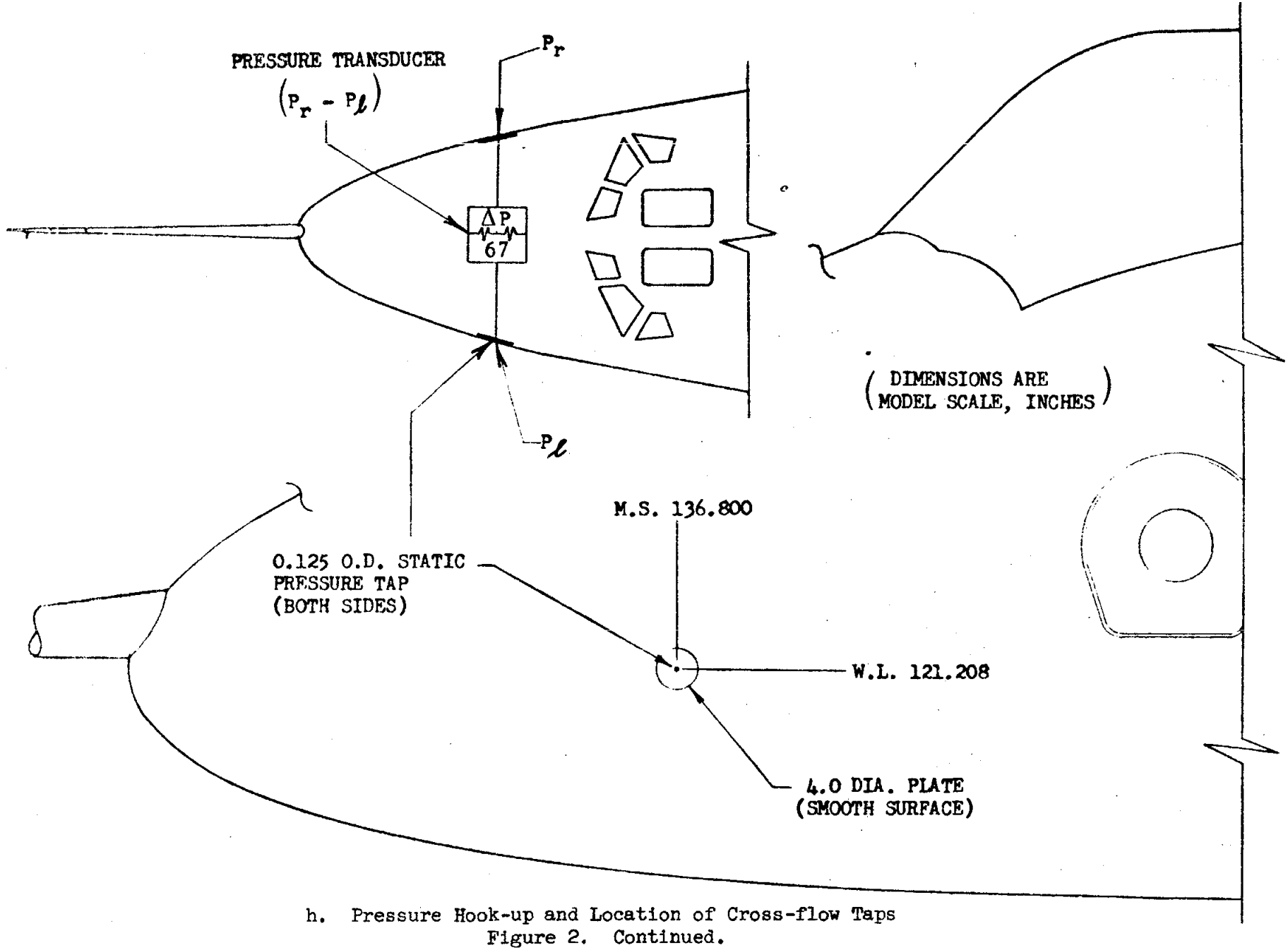
e. 0.36-Scale of 874AU Air Data Sensor (left side mounted) 00856-1947
Figure 2. Continued.



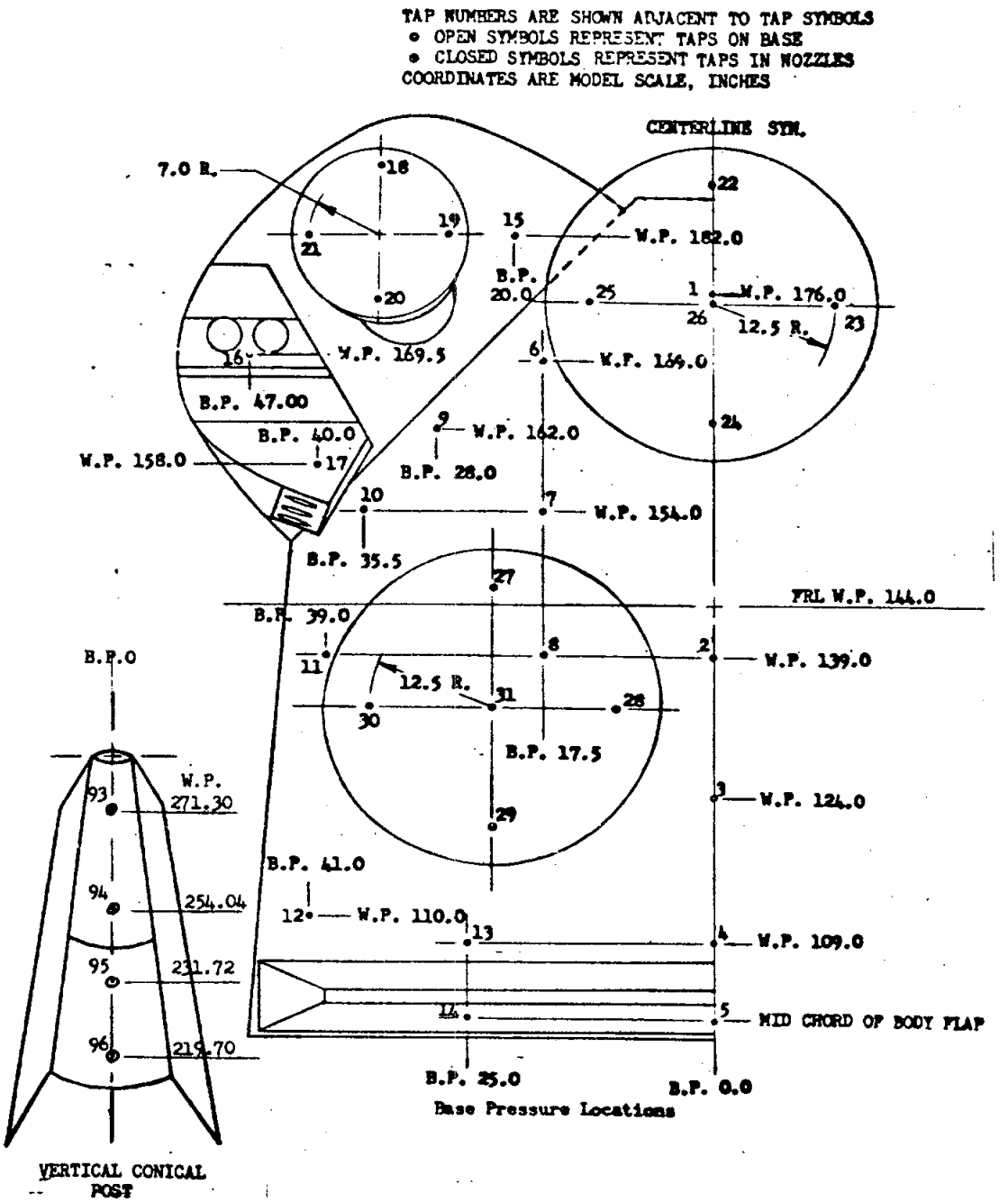
f. 0.36-Scale of 874AU Air Data Sensor (right side mounted) 00856-1948
Figure 2. Continued.



g. Pressure Hook-up for Air Data Sensors (ADS)
Figure 2. Continued.

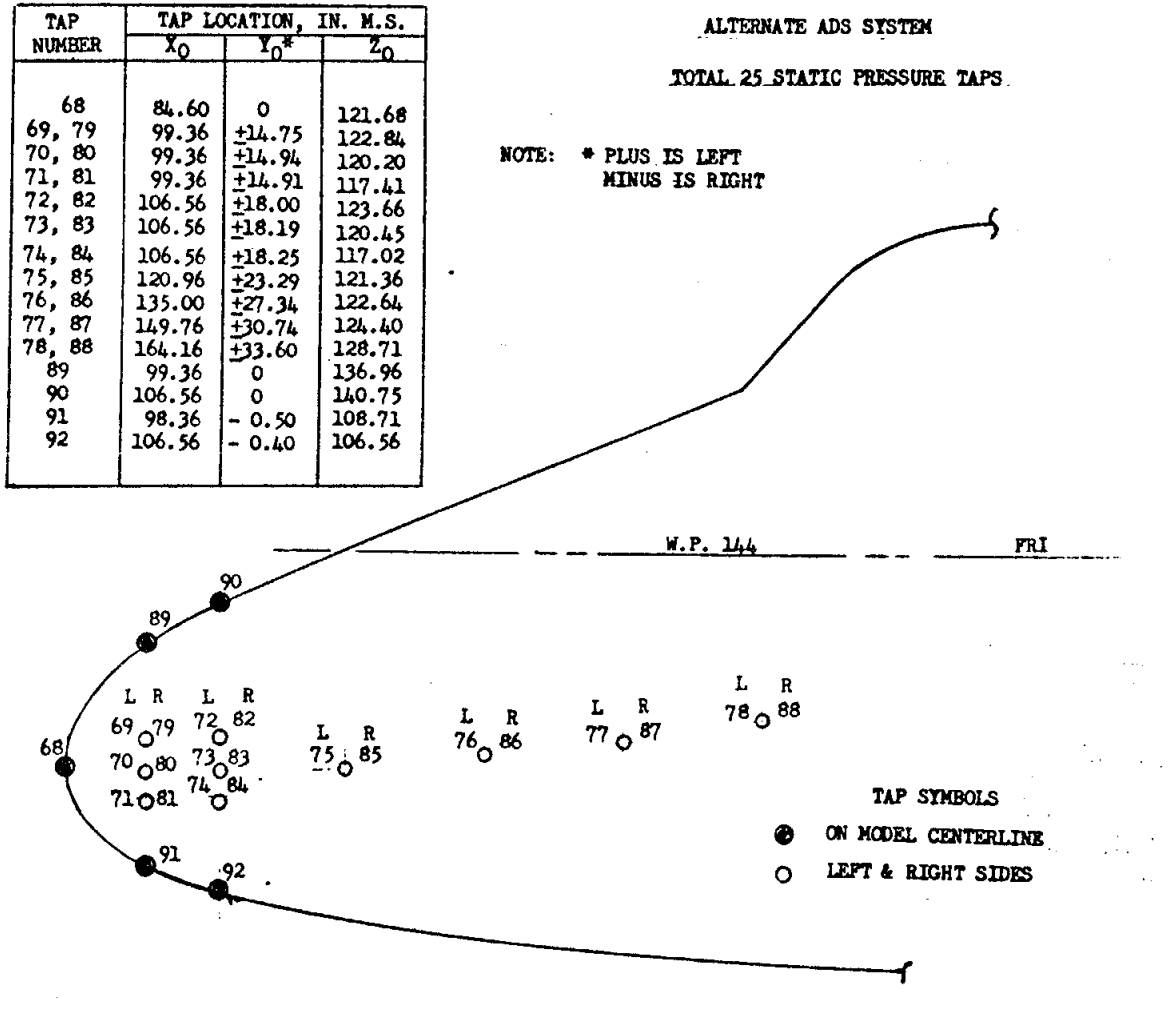


h. Pressure Hook-up and Location of Cross-flow Taps
Figure 2. Continued.



i. Base Pressure Locations
Figure 2. Continued.

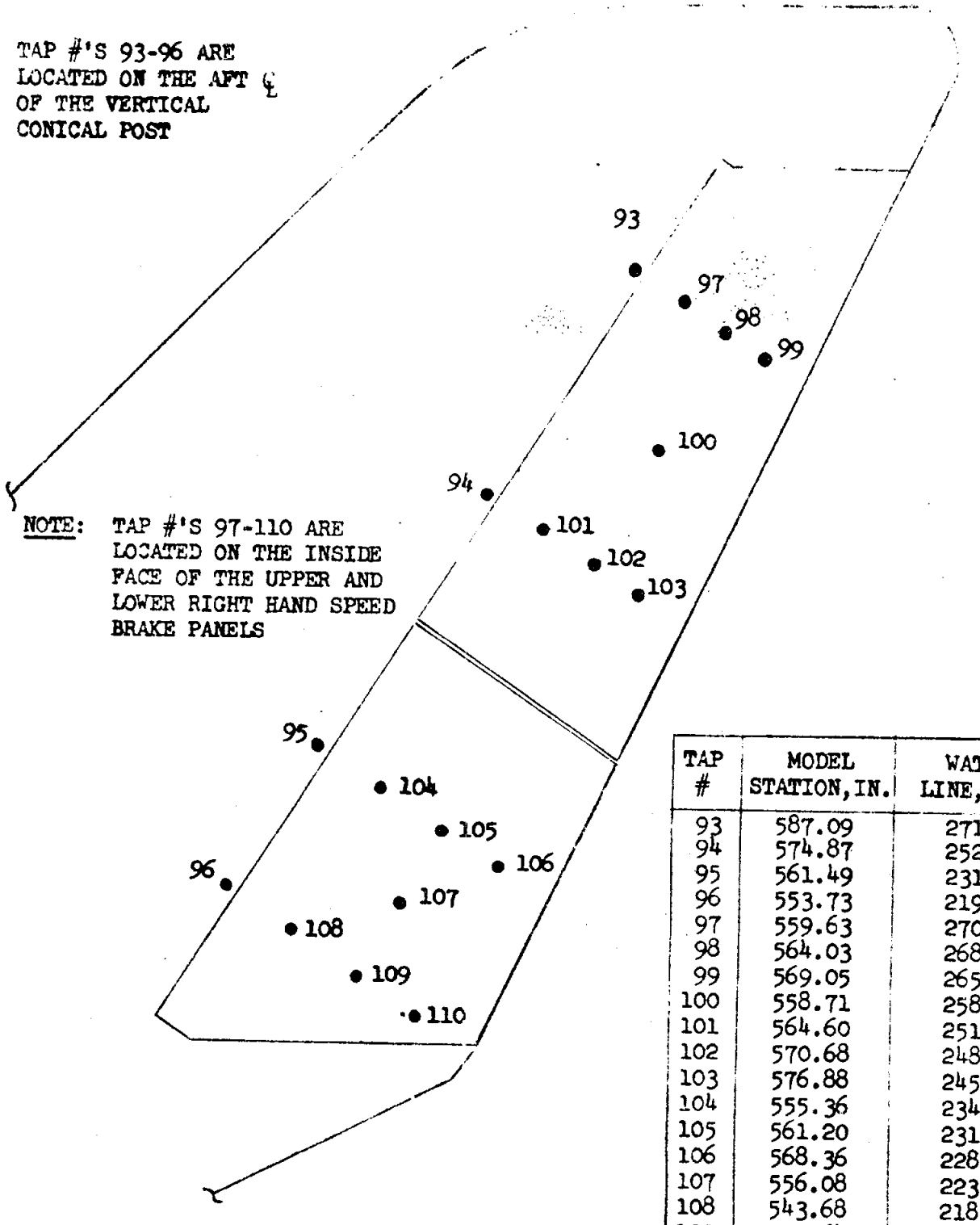
TAP NUMBER	TAP LOCATION, IN. M.S.		
	X_O	Y_O*	Z_O
68	84.60	0	121.68
69, 79	99.36	±14.75	122.84
70, 80	99.36	±14.94	120.20
71, 81	99.36	±14.91	117.41
72, 82	106.56	±18.00	123.66
73, 83	106.56	±18.19	120.45
74, 84	106.56	±18.25	117.02
75, 85	120.96	±23.29	121.36
76, 86	135.00	±27.34	122.64
77, 87	149.76	±30.74	124.40
78, 88	164.16	±33.60	128.71
89	99.36	0	136.96
90	106.56	0	140.75
91	98.36	- 0.50	108.71
92	106.56	- 0.40	106.56



j. Alternate ADS System
Figure 2. Continued.

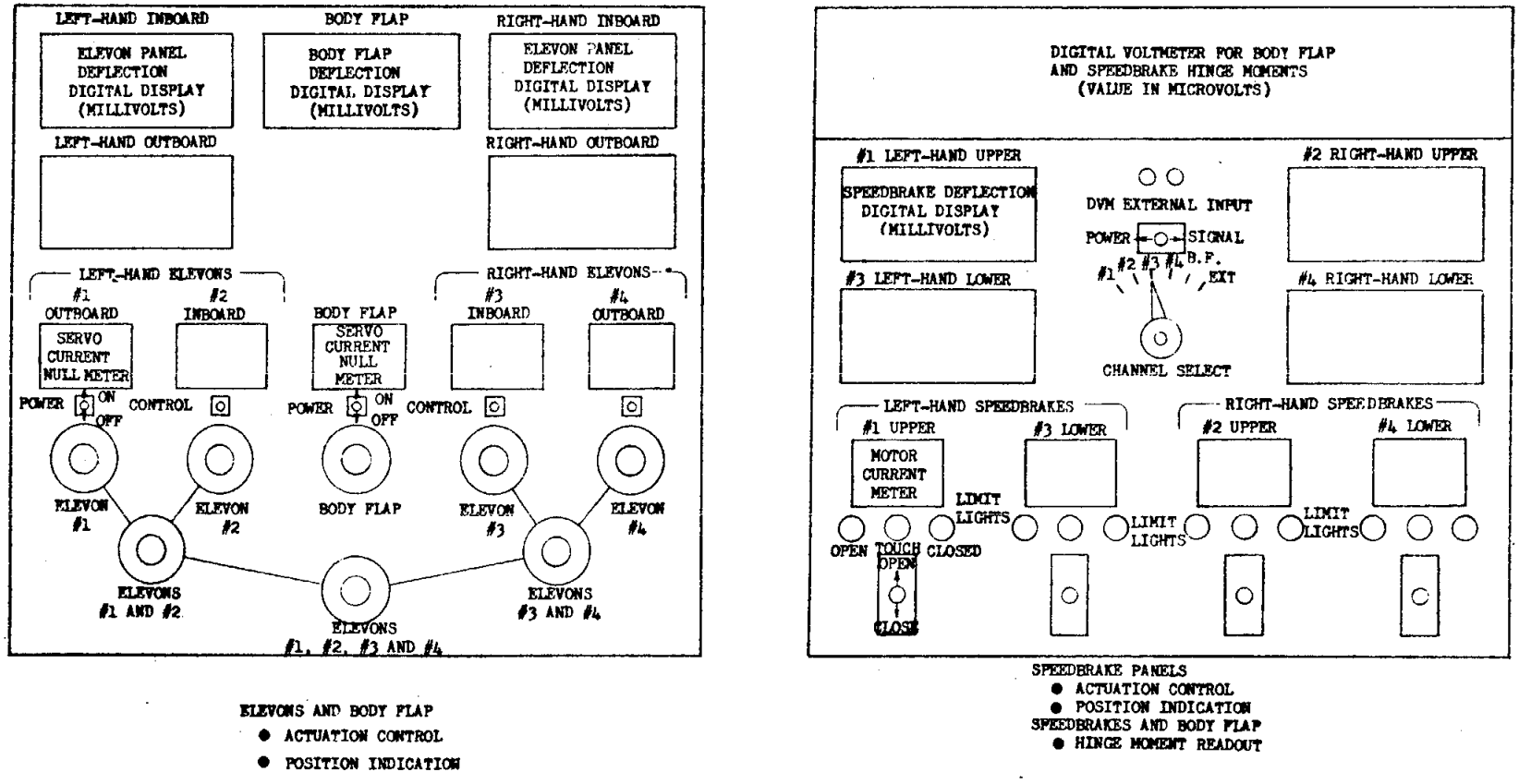
NOTE: TAP #'S 93-96 ARE LOCATED ON THE AFT ℄ OF THE VERTICAL CONICAL POST

NOTE: TAP #'S 97-110 ARE LOCATED ON THE INSIDE FACE OF THE UPPER AND LOWER RIGHT HAND SPEED BRAKE PANELS



TAP #	MODEL STATION, IN.	WATER LINE, INMS
93	587.09	271.32
94	574.87	252.66
95	561.49	231.66
96	553.73	219.70
97	559.63	270.80
98	564.03	268.14
99	569.05	265.36
100	558.71	258.90
101	564.60	251.40
102	570.68	248.54
103	576.88	245.44
104	555.36	234.60
105	561.20	231.90
106	568.36	228.66
107	556.08	223.70
108	543.68	218.86
109	551.64	215.24
110	559.48	211.42

k. Vertical Tail/Speedbrake Pressure Tap Locations
Figure 2. Continued.

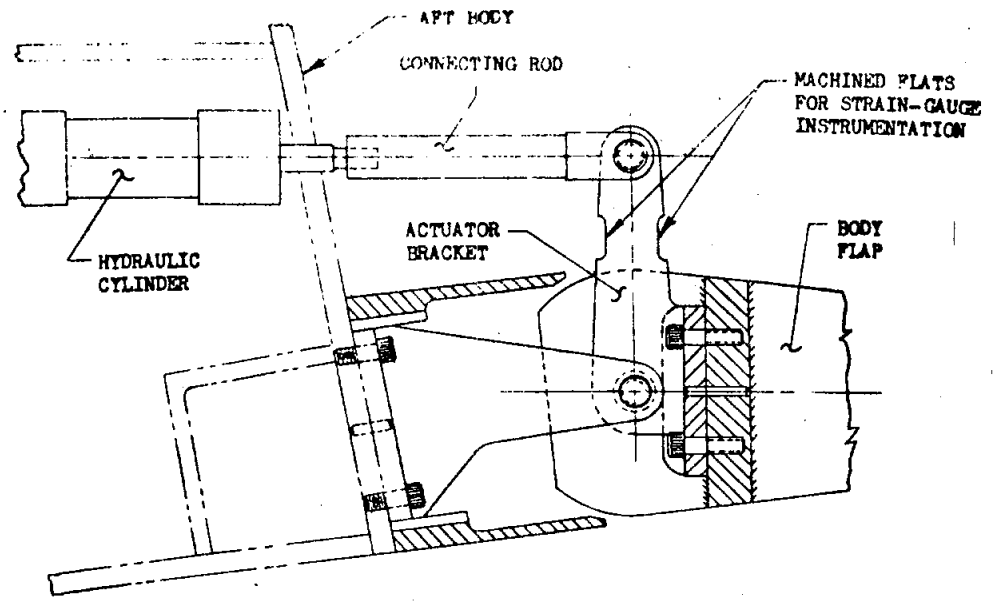


ELEVONS AND BODY FLAP
- ACTUATION CONTROL
- POSITION INDICATION

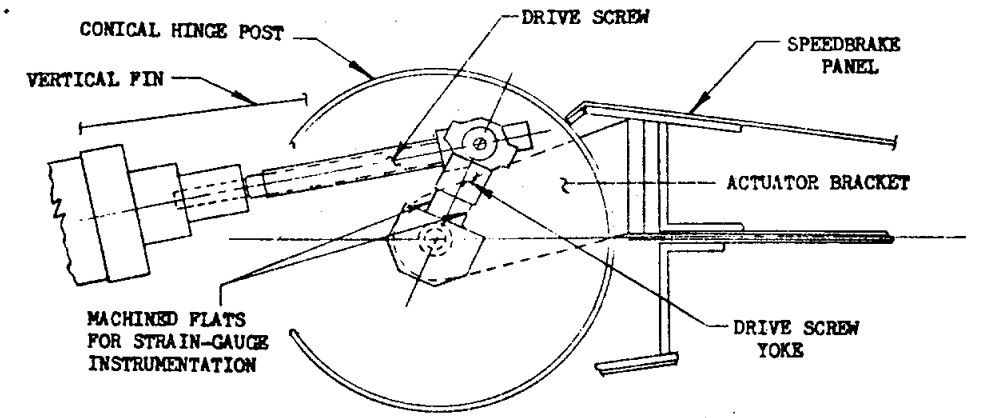
SPEEDBRAKE PANELS
- ACTUATION CONTROL
- POSITION INDICATION

SPEEDBRAKES AND BODY FLAP
- HINGE MOMENT READOUT

1. Model Control Console Layout
Figure 2. Continued.

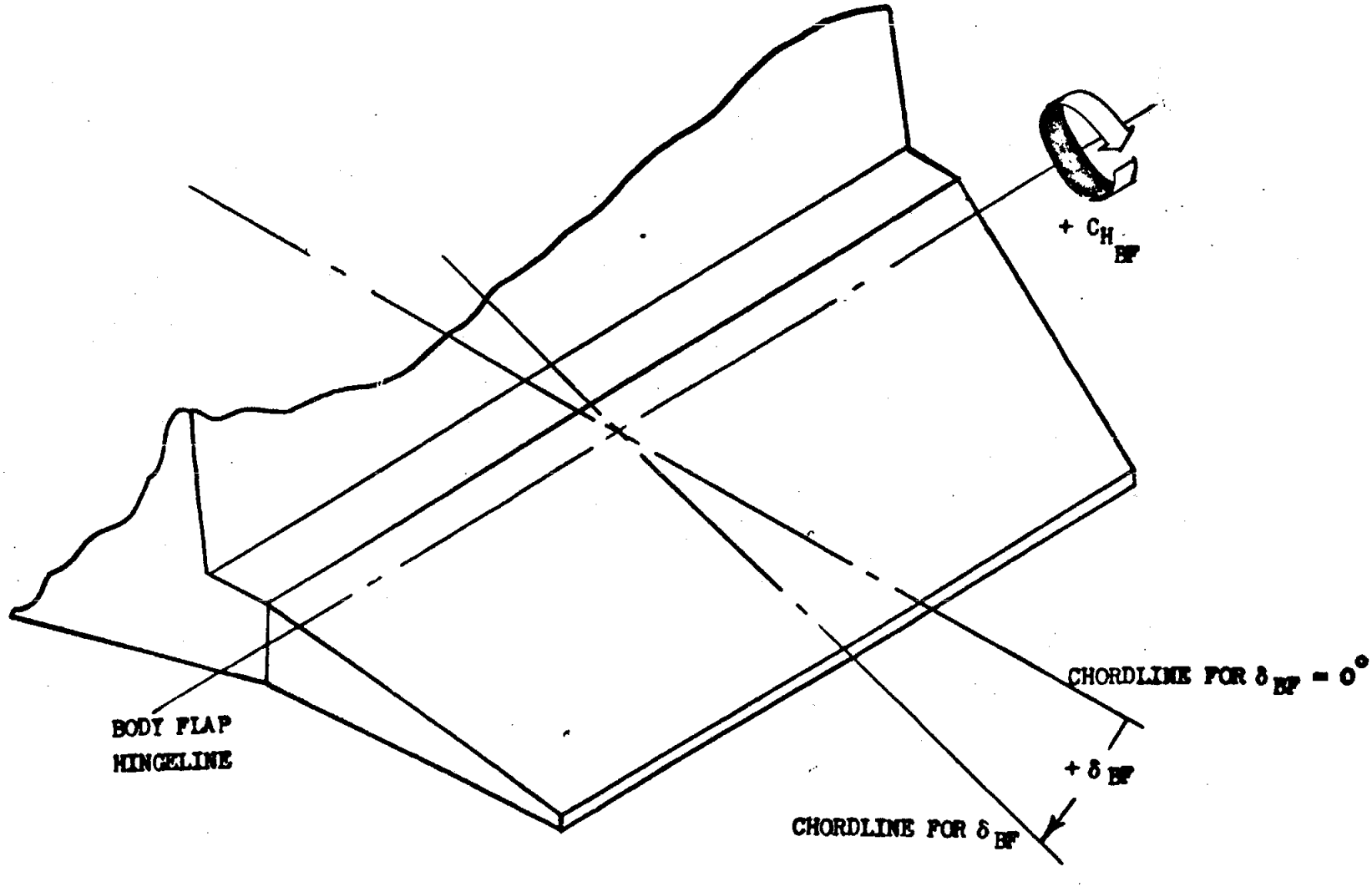


BODY FLAP HINGE MOMENT INSTRUMENTATION AND ACTUATION



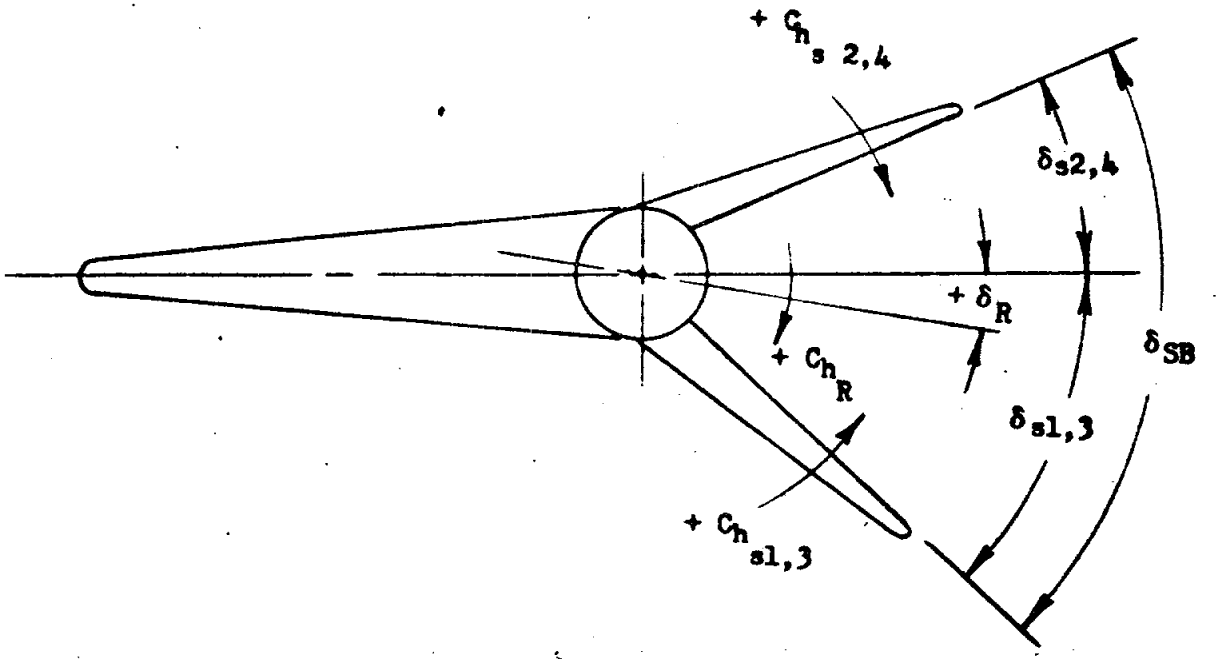
SPEEDBRAKE HINGE MOMENT INSTRUMENTATION AND ACTUATION

m. Body Flap and Speedbrake Hinge Moment Design
Figure 2. Continued.



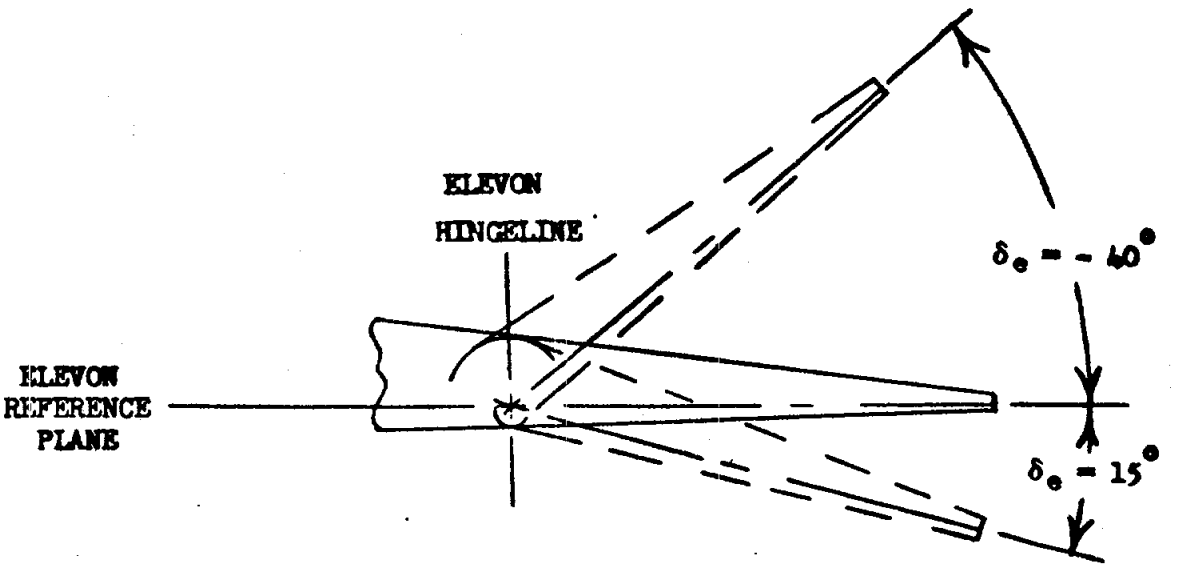
n. Body Flap Deflection and Hinge Moment Definition
Figure 2. Continued.

NOTE: DEFLECTIONS ARE MEASURED IN A WATER PLANE.
MOMENTS ARE MEASURED ABOUT THE HINGELINE.

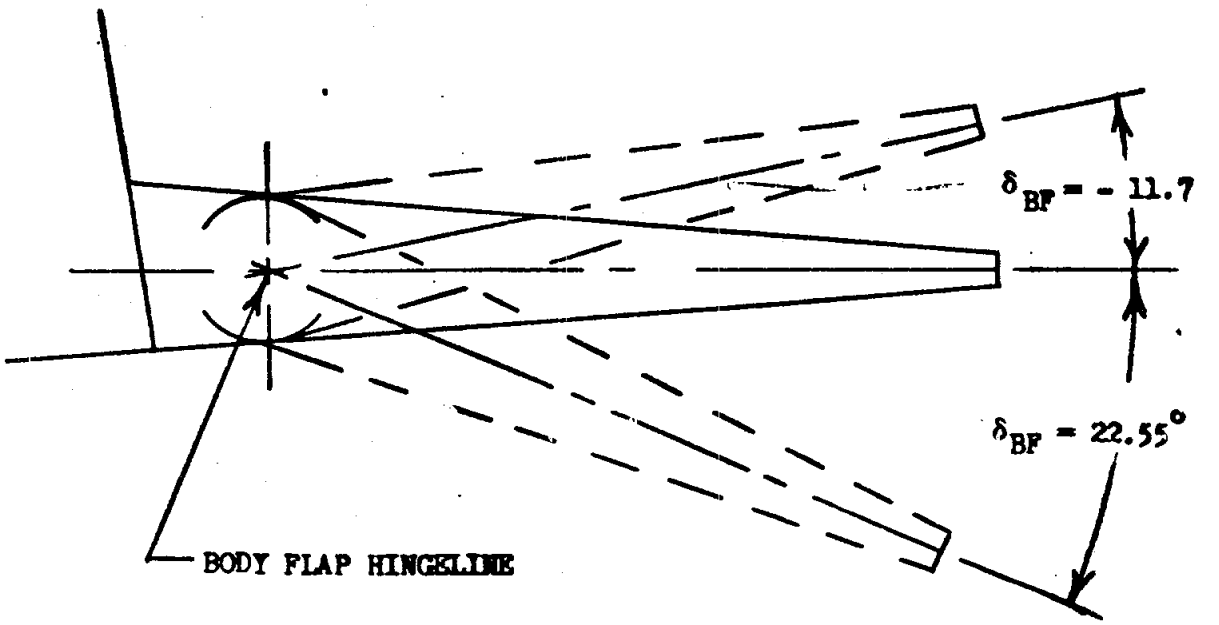


SPEED BRAKE PANEL NUMBER	SPEED BRAKE PANEL LOCATION
1	UPPER LEFT
2	UPPER RIGHT
3	LOWER LEFT
4	LOWER RIGHT

o. Definition of Rudder/Speedbrake Deflections and Hinge Moments
Figure 2. Continued.

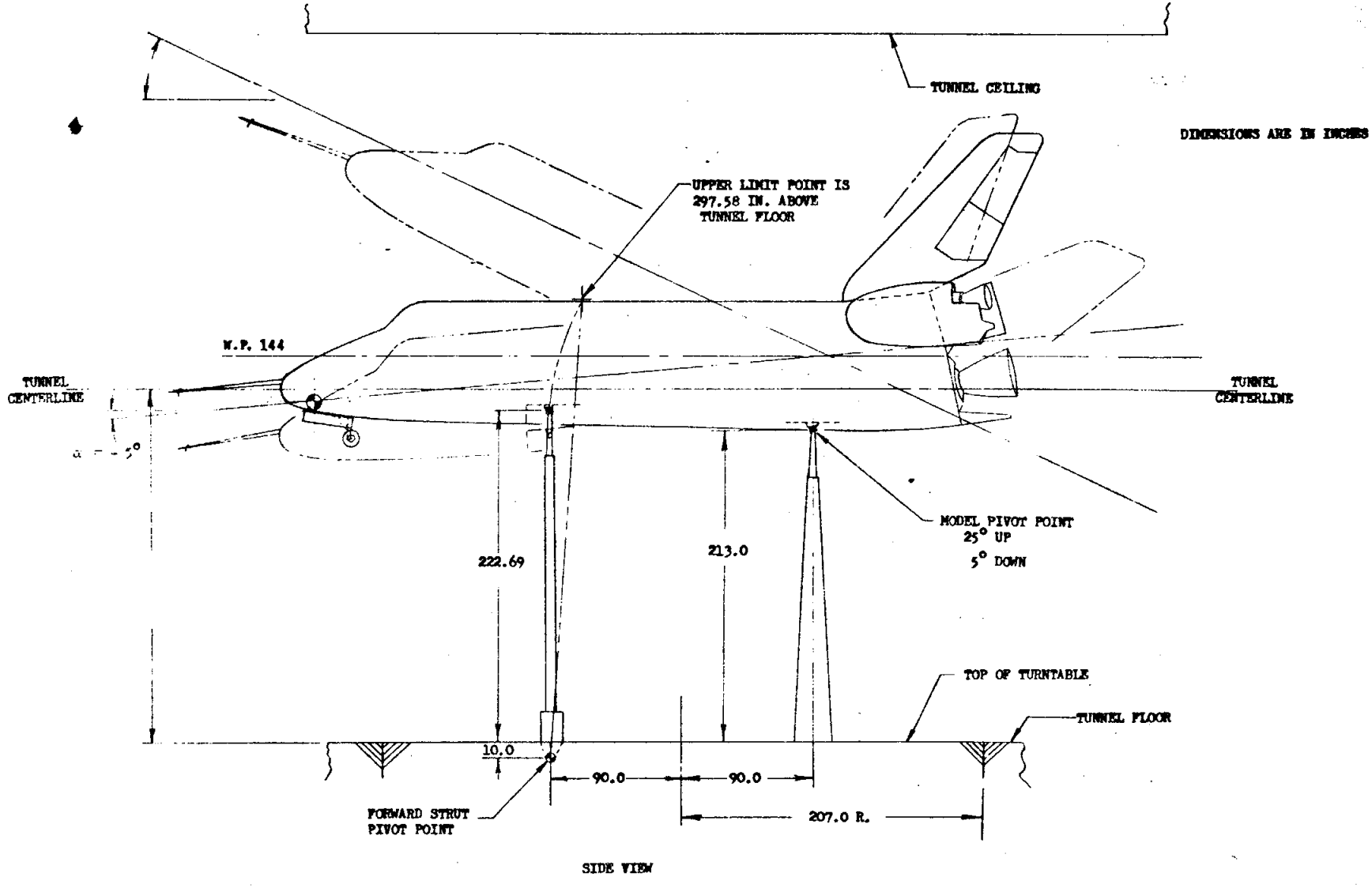


MAXIMUM ELEVON DEFLECTIONS

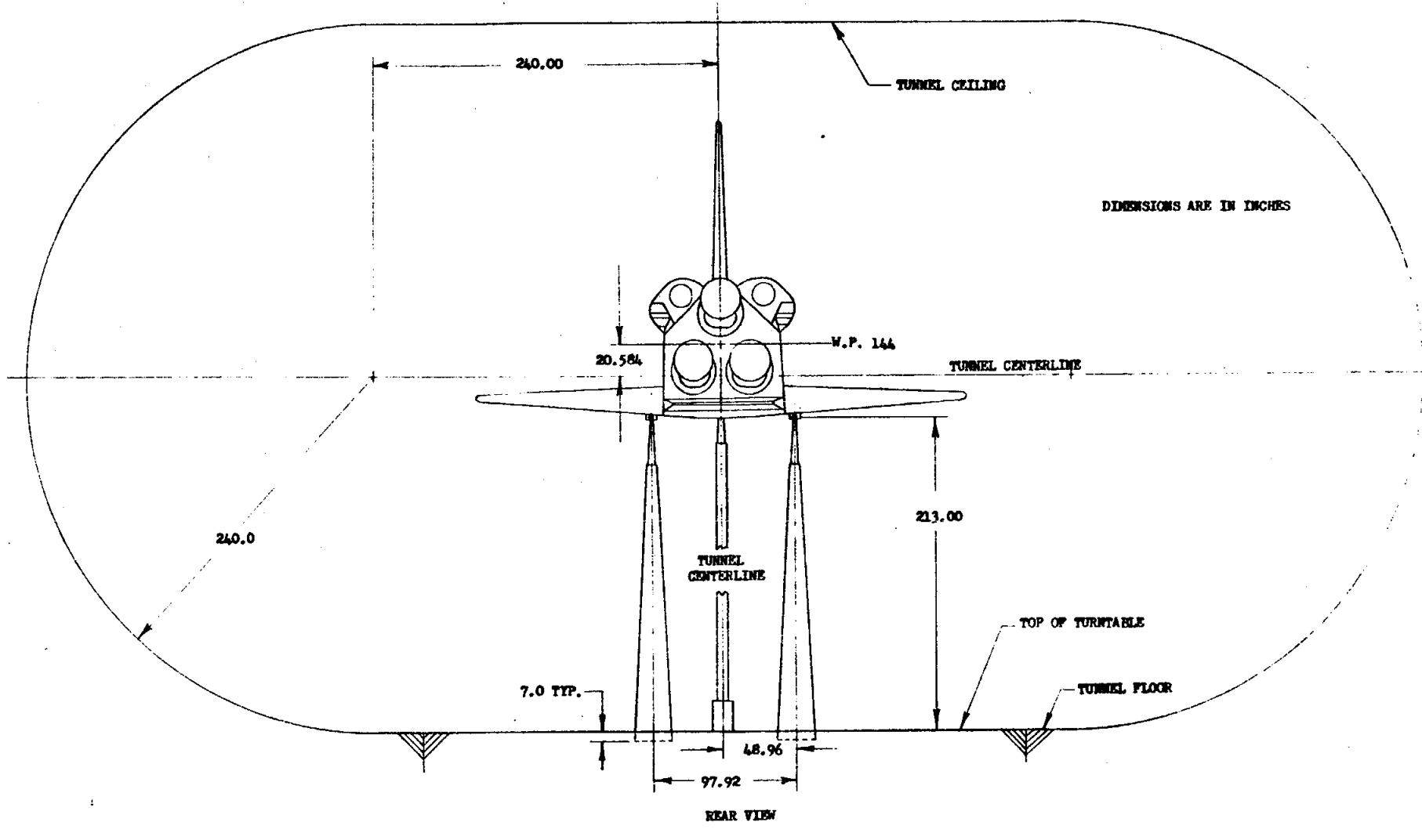


MAXIMUM BODY FLAP DEFLECTIONS

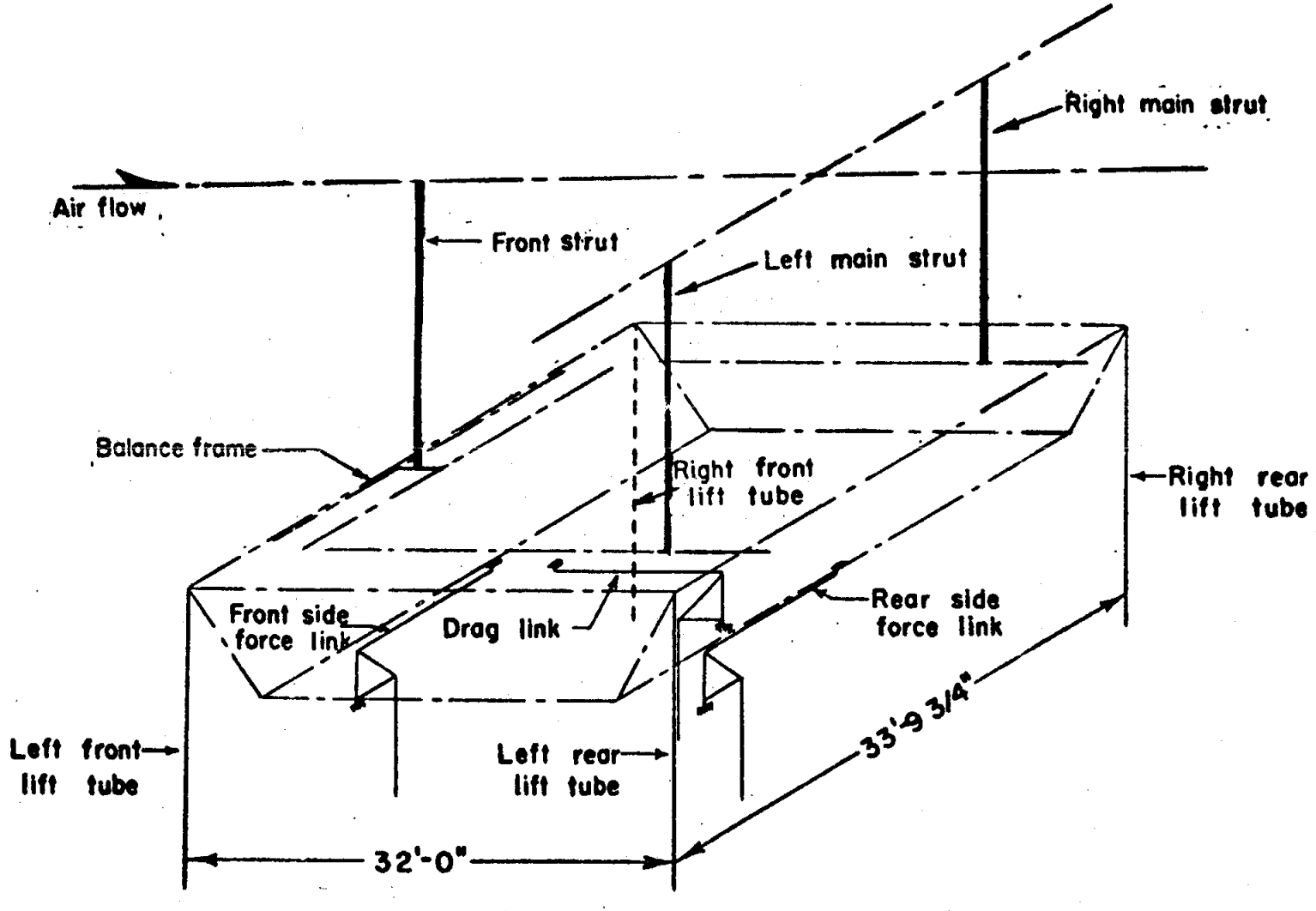
p. Elevon and Body Flap Deflections
Figure 2. Continued.



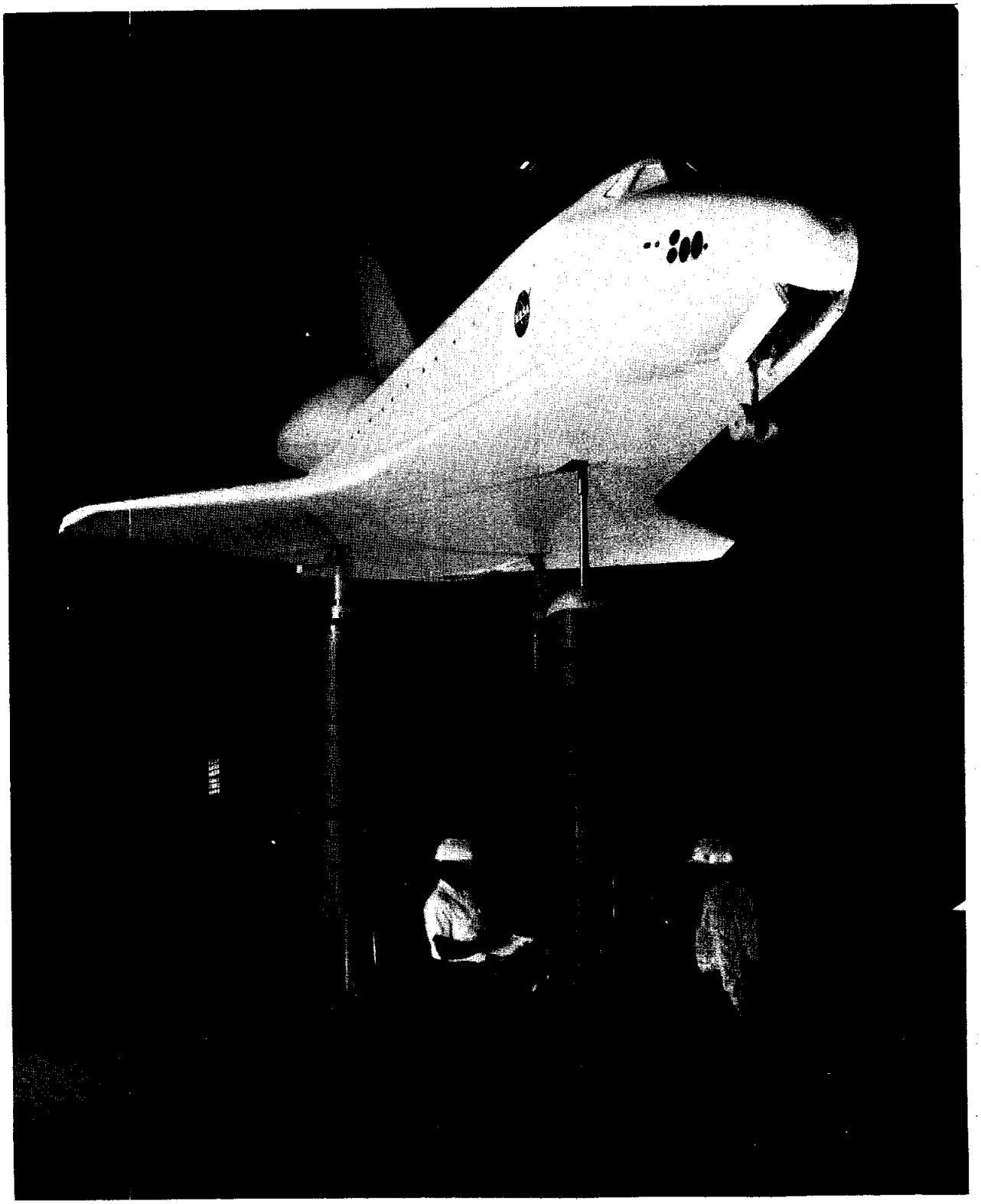
q. Installation of Model 76-0 in the ARC 40 x 80 Foot Wind Tunnel (side view)
Figure 2. Continued.



r. Installation of Model 76-0 in the ARC 40 x 80 Foot Wind Tunnel (Rear View)
Figure 2. Continued.

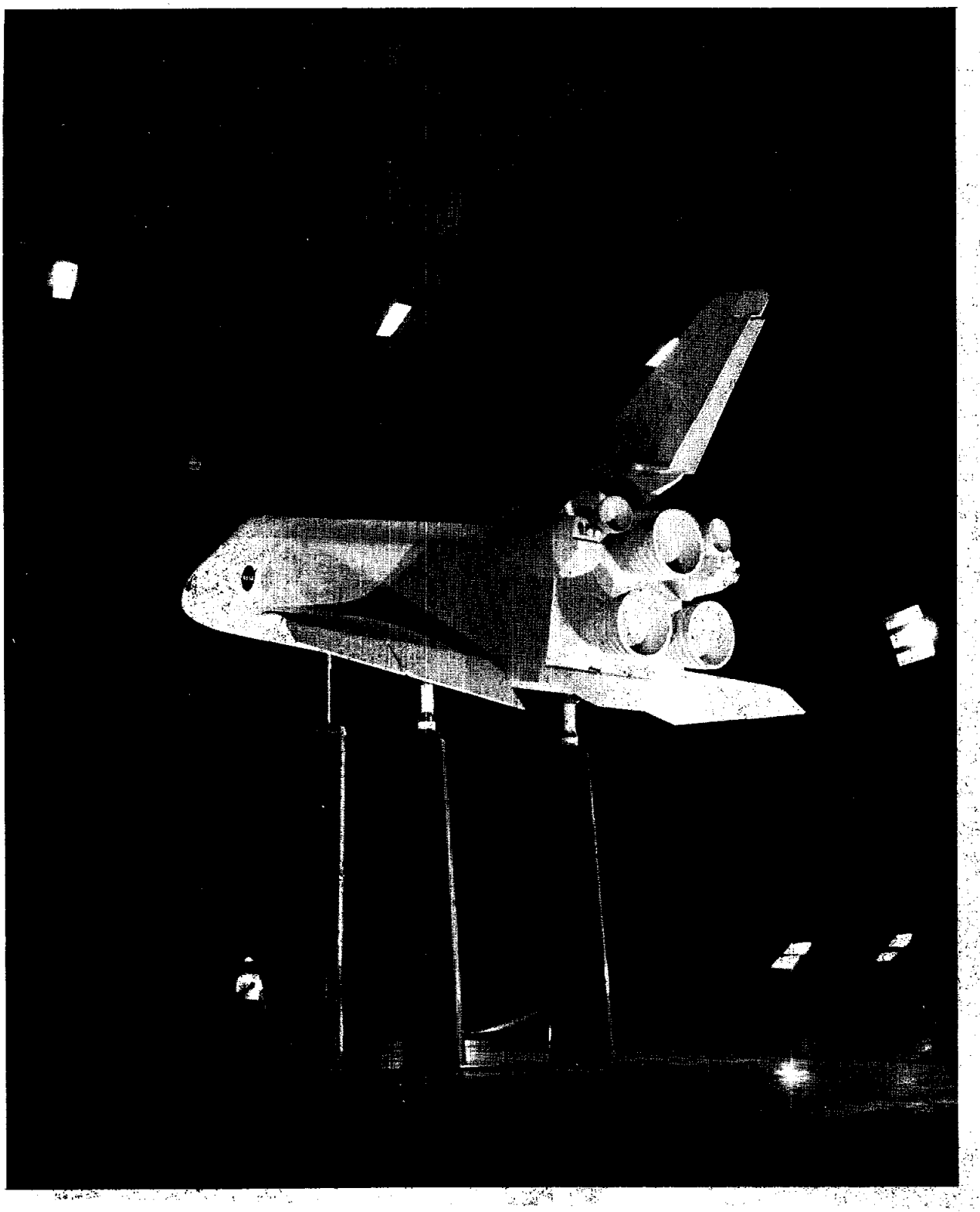


s. Schematic Representation of the Ames 40 x 80 Foot Wind Tunnel Balance System
Figure 2. Concluded.



a. Front View of Model 76-0 in the ARC 40 x 80 Foot Test Section with Nose Gear and Doors Fully Deployed (All probes off)

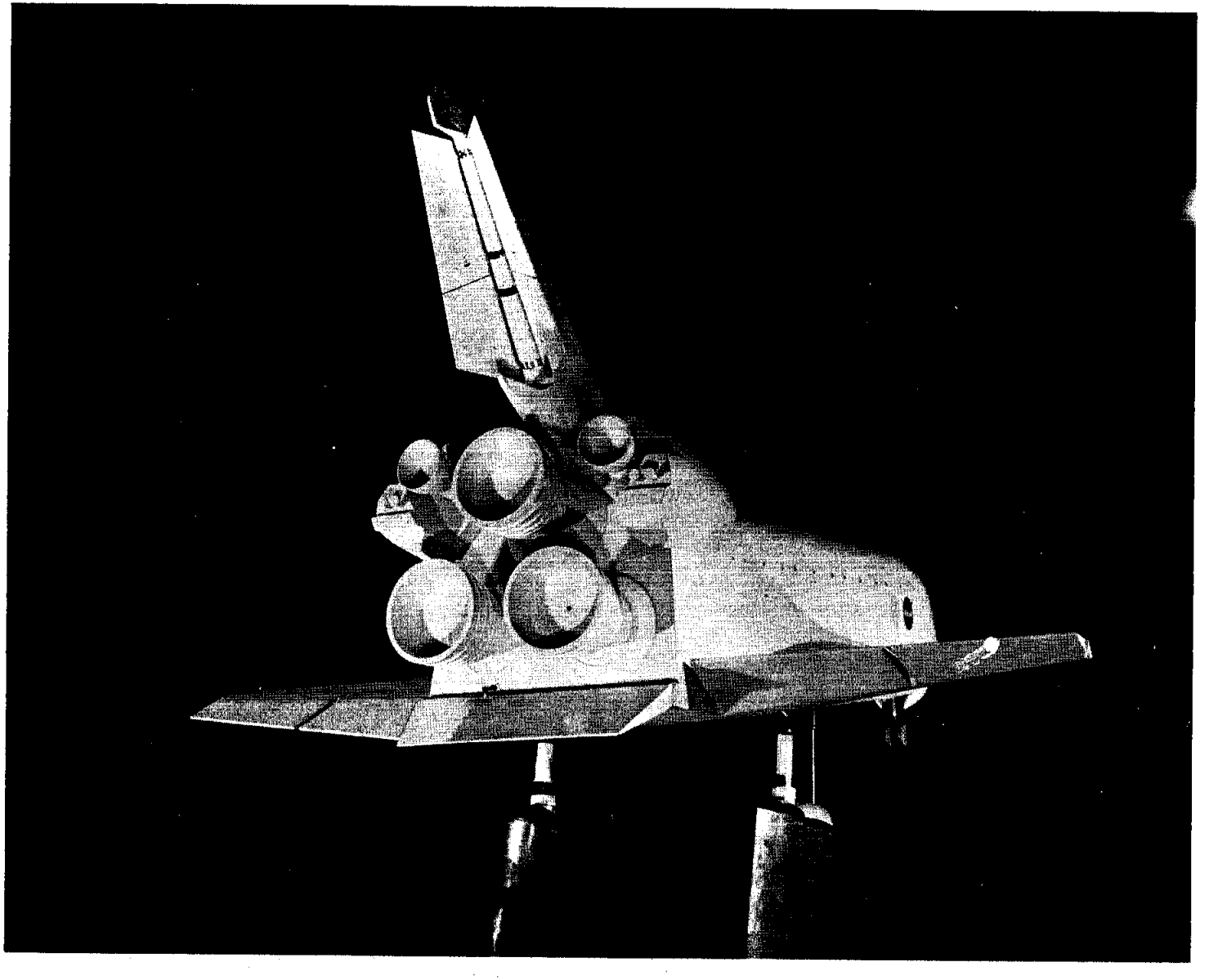
Figure 3. Model photographs.



b. Aft View of Model 76-0 in the ARC 40 x 80 Foot Test Section with all Control Surfaces Positively Deflected. (ADS probes and FT probe on)

Figure 3. Continued.

c. Front-side View of Model 76-0 in the ARC 40 x 80 Foot Test Section with all Air Data Probes On
Figure 3. Continued.



d. Aft View of Model 76-0 in the ARC 40 x 80 Foot Test Section with Fully Deployed Speed Brakes and Nose Landing Gear
Figure 3. Concluded.

APPENDIX

Tabulated Source Data

Dataset 1st Character	Pages
Volume I	
A	1-29
B	30-126
C	127-194
D	195-291
E	292-388
F	389-417
G	418-446
H	447-543
I	544-640
Volume II	
J	641-737
K	738-834
L	835-902
M	903-970
P	971-1038
Q	1039-1091
R	1092-1203
Data Corrected for Tunnel Blockage	
Volume II	
Z	1204-1300

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ARC40X80-462(OA100) OV101 (JNA01A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 4/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
19.120	-5.245	29.83000	-5.00000	17.00000	1.22740	-1.03445	-.31521	.00000	.35393
19.020	-2.655	29.83000	-2.50000	17.00000	1.22560	-1.00645	-.22033	-.03729	.58060
19.080	-.066	29.83000	.00000	17.00000	1.22380	-1.00498	-.28286	.33509	.68057
19.180	2.532	29.83000	2.50000	17.00000	1.22201	-1.02991	.09415	.44612	.70475
19.180	5.128	29.83000	5.00000	17.50000	1.22023	-1.02841	.06267	.48260	.77912
19.170	7.734	29.83000	7.50000	17.00000	1.19196	-1.02691	.25033	.48189	.80308
19.110	10.337	29.83000	10.00000	14.50000	2.47127	-1.98621	.12423	.88300	1.49452
18.960	12.937	29.83000	12.50000	13.50000	2.46768	-1.98332	.18608	.95519	1.49234
18.920	15.552	29.83000	15.00000	16.50000	1.34501	-.23595	.00000	.47979	.74961
19.050	20.801	29.83000	20.00000	18.00000	1.31482	-.47053	.12426	.40480	.77235
18.940	26.000	29.83000	25.00000	18.50000	1.31102	-.93834	-.18585	.03669	.72044
	GRADIENT	.00000	.96408	-.00000	-.00069	-.00453	.06068	.09318	.02393

RUN NO. 5/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
52.070	-5.245	29.83000	-5.00000	48.00000	1.27812	-1.14349	-.62913	.04472	.51466
52.240	-2.653	29.83000	-2.50000	49.00000	1.27624	-1.15238	-.42718	.14884	.60459
52.220	-.062	29.83000	.00000	48.00000	1.26375	-1.15069	-.21328	.23779	.69426
52.220	2.535	29.83000	2.50000	52.00000	1.18100	-1.03928	-.11436	.28449	.69705
52.260	5.135	29.83000	5.00000	48.00000	1.15416	-1.11574	.01251	.34082	.79254
52.330	7.735	29.83000	7.50000	48.00000	1.30050	-1.12462	.04996	.35512	.87153
52.190	10.341	29.83000	10.00000	49.00000	1.14023	-1.15446	.00000	.38415	.89026
52.250	12.939	29.83000	12.50000	57.50000	1.17411	-1.05235	.11369	.32324	.81152
52.080	15.553	29.83000	15.00000	52.00000	1.03787	-1.05082	.02271	.29587	.81034
52.310	20.819	29.83000	20.00000	48.00000	1.22808	-1.09559	-.09920	.30847	.78564
49.060	26.008	29.83000	25.00000	48.50000	1.17219	-.99878	-.28437	.04394	.74370
	GRADIENT	.00000	.96389	.57868	-.01837	.02181	.06030	.02615	.01782

ARC40X80-462(OA100) OV101 (JNA01A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 7/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.180	-5.245	29.76000	-5.00000	96.50000	1.09814	-.98461	-.68680	-.03013	.44881
94.780	-2.654	29.76000	-2.50000	97.00000	1.11263	-.98849	-.48894	.04513	.54491
95.030	-.061	29.76000	.00000	98.00000	1.10025	-.99236	-.29166	.12018	.64580
94.450	2.539	29.76000	2.50000	97.00000	1.10399	-.98024	-.17094	.21750	.66516
94.520	5.136	29.75000	5.00000	96.50000	1.09701	-.98411	-.06954	.23215	.72502
94.340	7.737	29.76000	7.50000	97.00000	1.09005	-.98267	-.02525	.25424	.79989
94.570	10.345	29.76000	10.00000	97.50000	1.09911	-.98652	.01261	.26134	.81893
94.610	12.943	29.76000	12.50000	97.00000	1.08684	-.97448	.01888	.26095	.81773
95.400	15.559	29.76000	15.00000	98.00000	1.09589	-.99421	.00000	.21590	.83669
92.940	18.182	29.76000	17.50000	95.50000	1.05710	-.96635	-.06275	.20815	.79520
	GRADIENT	-.00000	.96287	-.00017	-.00166	.00159	.06123	.03319	.02315

ARC40X80-462(OA100) OV101(DECREASING ALPHA) (JNA01B) (16 MAR 82)

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LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 6/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
52.300	-5.243	29.83000	-5.00000	48.00000	2.74796	-.61410	-.60396	.04472	.50457
51.950	-2.652	29.83000	-2.50000	52.00000	1.88352	-.92653	-.34409	.12228	.57032
51.990	-.064	29.83000	.00000	57.50000	1.74503	-.77097	-.19470	.17637	.68889
51.990	2.533	29.83000	2.50000	57.50000	2.27489	-.94305	-.06862	.25740	.69705
52.180	5.136	29.83000	5.00000	49.00000	2.61539	-.63155	.03753	.34082	.78251
51.950	7.735	29.83000	7.50000	53.00000	2.28823	-1.02665	.00000	.31067	.79560
52.360	10.339	29.83000	10.00000	57.50000	2.27456	-1.01557	.00000	.32371	.82183
52.100	12.938	29.83000	12.50000	57.50000	2.09801	-.77492	.00000	.33670	.82975
52.080	15.553	29.83000	15.00000	49.00000	1.57905	-1.13017	.01244	.30937	.89764
52.200	20.822	29.83000	20.00000	52.00000	2.01221	-.91442	-.11320	.22796	.78982
	GRADIENT	.00000	.96426	1.06014	.07554	-.00322	.05312	.02606	.02443

ARC40X80-462(OA100) OV101 (JNAOIC) (16 MAR 82)

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BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO				
SCALE =	.3600						

PARAMETRIC DATA

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AILRON =	.000	BDFLAP =	.000
SPOBRK =	25.000	RUDDER =	.000

RUN NO. 2/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
18.990	-5.093	29.83000	-5.00000	18.50000	1.22740	-1.00793	-.40978	-.03734	.42977
18.980	-2.501	29.83000	-2.50000	17.50000	1.19895	-1.03293	-.18885	-.03729	.55535
19.140	.091	29.83000	.00000	14.00000	2.37995	-2.10297	-.62479	.74014	1.25272
19.090	2.687	29.83000	2.50000	14.50000	2.37648	-2.04740	.24955	.88687	1.45103
19.080	5.288	29.83000	5.00000	14.50000	2.37301	-2.04442	.24919	.95937	1.49887
19.050	7.890	29.83000	7.50000	15.50000	1.19195	-1.02691	.06258	.51895	.77798
19.090	10.489	29.83000	10.00000	15.50000	1.21668	-.99912	.03125	.48119	.75179
19.020	13.095	29.83000	12.50000	13.50000	2.38267	-2.03551	.12405	.95519	1.44260
18.970	15.701	29.83000	15.00000	15.50000	1.18677	-.99622	.06231	.44289	.84955
19.040	20.963	29.83000	20.00000	17.00000	1.23593	-.96720	.12426	.36800	.77235
18.900	26.117	29.83000	25.00000	17.00000	1.23236	-.96441	-.21683	.18347	.72044
	GRADIENT	-.00000	.96367	-.57804	.22690	-.19548	.08455	.17809	.17261

RUN NO. 8/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.540	-5.091	29.76000	-5.00000	47.50000	1.06510	-1.04820	-.57880	.00000	.49447
47.620	-2.500	29.76000	-2.50000	47.50000	1.06353	-1.03609	-.37692	.10419	.57436
47.640	.091	29.76000	.00000	48.00000	1.05135	-1.02401	-.25091	.14662	.70432
47.600	2.688	29.76000	2.50000	47.50000	1.06042	-1.03305	-.10022	.23744	.74347
47.620	5.284	29.76000	5.00000	48.00000	1.04827	-1.03154	.01251	.28155	.80258
47.580	7.890	29.76000	7.50000	47.50000	1.06789	-1.00901	.03747	.29593	.82144
47.470	10.489	29.76000	10.00000	48.00000	1.04521	-1.02852	.07483	.29550	.86025
47.430	13.093	29.76000	12.50000	47.50000	1.06477	-1.01654	.08718	.30982	.84901
47.540	15.704	29.76000	15.00000	48.00000	1.04217	-1.00460	.04974	.26517	.88767
47.490	20.973	29.76000	20.00000	48.00000	1.04964	-1.03299	-.07440	.22034	.81548
45.130	26.111	29.76000	25.00000	45.00000	.99427	-.96757	-.35856	.00000	.73379
	GRADIENT	.00000	.96376	-.00008	-.00060	.00058	.05334	.02569	.03259

ARC40X80-462(OA100) OV101 (JNA01C) (16 MAR 82)

REFERENCE DATA

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BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

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AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 14/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.550	-5.093	29.78000	-5.00000	97.00000	1.09814	-1.02206	-.64864	-.02260	.43351
94.050	-2.501	29.78000	-2.50000	97.00000	1.09114	-1.00452	-.45084	.03761	.58056
94.680	.090	29.78000	.00000	98.00000	1.09489	-1.01804	-.27898	.11266	.66106
94.710	2.690	29.78000	2.50000	98.50000	1.09327	-1.01753	-.17094	.22500	.69562
94.230	5.291	29.78000	5.00000	98.00000	1.08630	-1.01071	-.07586	.23964	.73009
94.260	7.891	29.78000	7.50000	97.50000	1.08470	-1.00922	-.00631	.24677	.79483
94.350	10.495	29.78000	10.00000	98.00000	1.08311	-1.00774	.00630	.26880	.80377
94.610	13.098	29.78000	12.50000	98.00000	1.08594	-1.01155	.00629	.26095	.81268
93.190	15.690	29.78000	15.00000	96.00000	1.05865	-.64518	.00000	.23824	.80645
94.180	18.341	29.78000	17.50000	97.50000	1.07835	-1.00331	-.05903	.19328	.79520
92.530	20.984	29.78000	20.00000	96.00000	1.05555	-.98602	-.12532	.17073	.74378
	GRADIENT	.00000	.96322	.28892	.00041	-.00250	.05391	.03610	.02216

ARC40X80-462(OA100) OV101 (JNA01D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 3/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
18.910	-5.410	29.83000	-5.00000	16.50000	1.20071	-1.00793	-.40978	.03734	.40449
19.080	-2.818	29.83000	-2.50000	17.00000	1.22560	-1.00645	-.18885	-.03729	.53011
19.140	-.221	29.83000	.00000	17.00000	1.22380	-1.00498	-.31429	.37232	.65537
19.110	2.371	29.83000	2.50000	16.00000	1.22201	-1.00351	.09415	.40895	.67958
19.110	4.965	29.83000	5.00000	17.50000	1.22023	-1.00204	.06267	.48260	.75398
19.180	7.564	29.83000	7.50000	16.50000	1.21845	-1.00058	.03129	.48189	.77798
19.120	10.174	29.83000	10.00000	16.50000	1.21668	-.99912	.03125	.48119	.75179
19.060	12.770	29.83000	12.50000	16.50000	1.21491	-.99767	.00000	.48049	.85079
18.880	15.379	29.83000	15.00000	16.50000	1.18677	-.97001	.00000	.44289	.72462
18.900	20.638	29.83000	20.00000	16.50000	1.18334	-.96720	.12426	.40480	.77235
18.990	25.855	29.83000	25.00000	17.00000	1.20614	-.96441	-.18585	.03669	.72044
	GRADIENT	.00000	.96373	.01929	-.00069	.00057	.04482	.06154	.02683

ARC40X80-462(OA100) DV101 (JNA01D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 9/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.480	-5.409	29.76000	-5.00000	47.50000	1.06510	-1.03761	-.59138	.01491	.51466
47.600	-2.819	29.76000	-2.50000	47.50000	1.05290	-1.03609	-.37692	.11907	.61467
47.420	-.225	29.76000	.00000	48.00000	1.04073	-1.03456	-.22582	.13376	.71438
47.530	2.371	29.76000	2.50000	48.00000	1.04981	-1.04359	-.10022	.23744	.75352
47.300	4.967	29.76000	5.00000	47.50000	1.06945	-1.04206	.00000	.29636	.76245
47.530	7.568	29.76000	7.50000	48.00000	1.05731	-1.03003	.04996	.29693	.85149
47.500	10.176	29.76000	10.00000	47.50000	1.06633	-1.01803	.08731	.31027	.87025
47.570	12.771	29.76000	12.50000	48.00000	1.05423	-1.03750	.08718	.30992	.87897
47.460	15.385	29.76000	15.00000	47.50000	1.05270	-1.03599	.07462	.26517	.86772
47.490	20.650	29.76000	20.00000	48.00000	1.07063	-1.02255	-.04960	.19096	.82542
47.810	25.857	29.76000	25.00000	48.00000	1.05707	-.99878	-.32147	.02929	.74370
	GRADIENT	.00000	.96328	-.00001	.00226	-.00104	.04841	.02449	.01859

RUN NO. 15/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.710	-5.412	29.78000	-5.00000	98.00000	1.08199	-1.03277	-.62957	-.03767	.44881
94.220	-2.818	29.78000	-2.50000	97.50000	1.09114	-1.03124	-.45719	.03761	.54491
93.990	-.223	29.78000	.00000	97.50000	1.07342	-1.02971	-.32336	.10515	.67123
94.430	2.374	29.78000	2.50000	97.50000	1.07719	-1.03352	-.17727	.21000	.69055
94.520	4.969	29.78000	5.00000	98.00000	1.08095	-1.03731	-.09483	.24713	.73516
94.610	7.572	29.78000	7.50000	98.00000	1.07936	-1.03047	.00631	.25424	.77964
94.380	10.178	29.78000	10.00000	97.50000	1.07777	-1.03426	.00630	.26134	.81388
94.800	12.775	29.78000	12.50000	98.00000	1.07086	-1.03803	.02518	.26841	.82278
94.870	15.391	29.78000	15.00000	98.00000	1.06929	-1.03122	.01257	.23824	.83165
95.210	18.018	29.78000	17.50000	98.50000	1.07304	-1.03499	-.05020	.20072	.81030
94.570	20.660	29.78000	20.00000	98.00000	1.06086	-1.02821	-.13786	.17073	.76891
88.500	25.862	29.78000	25.00000	91.00000	.97314	-.96212	-.33114	-.03701	.63652
	GRADIENT	.00000	.96305	.05778	-.00103	-.00085	.04750	.02825	.02273

ARC40X80-462(OA100) OV101 (JNA01E) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 16/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
19.200	-13.000	29.69000	.00000	19.00000	1.11738	-.97853	-.62858	.29785	.15124
19.160	-10.000	29.69000	.00000	19.00000	1.11738	-.97853	-.50287	.29785	.27727
19.070	-5.000	29.69000	.00000	19.00000	1.09078	-.97853	-.37715	.22339	.47892
19.050	-2.000	29.69000	.00000	19.50000	1.09078	-.97853	-.34572	.18616	.57975
19.080	.000	29.69000	.00000	19.50000	1.11738	-.97853	-.25143	.11169	.60495
19.040	2.000	29.69000	.00000	19.00000	1.11738	-.97853	-.25143	.03723	.70578
19.130	5.000	29.69000	.00000	19.50000	1.09078	-.97853	-.28286	.11169	.75519
19.150	10.000	29.69000	.00000	19.50000	1.11738	-.97853	-.09429	.00000	.95784
19.110	15.000	29.69000	.00000	19.50000	1.11738	-.97853	-.03143	-.11169	1.08387
19.040	20.000	29.69000	.00000	19.50000	1.09078	-.97853	-.03143	-.18616	1.20991
	GRADIENT	.00000	.00000	.02586	.00092	.00000	.01138	-.01476	.02825

RUN NO. 21/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.590	-13.000	29.75000	.00000	48.00000	1.09383	-.96067	-.65237	.26751	.15092
47.550	-10.000	29.75000	.00000	48.00000	1.09383	-.96067	-.53946	.23779	.26160
47.630	-5.000	29.75000	.00000	48.00000	1.10445	-.97122	-.43910	.20806	.45278
47.520	-2.000	29.75000	.00000	47.50000	1.08321	-.96067	-.33873	.13376	.53327
47.490	.000	29.75000	.00000	47.50000	1.08321	-.96067	-.31364	.10403	.63389
47.480	2.000	29.75000	.00000	47.50000	1.09383	-.96067	-.28855	.05945	.68419
47.630	5.000	29.75000	.00000	48.00000	1.09383	-.96067	-.26346	.07431	.74456
47.510	10.000	29.75000	.00000	48.00000	1.08321	-.96067	-.13800	-.02972	.90555
47.500	15.000	29.75000	.00000	47.50000	1.09383	-.96067	-.07527	-.11889	1.02629
47.680	20.000	29.75000	.00000	48.00000	1.09383	-.96067	-.05018	-.23779	1.20740
	GRADIENT	.00000	.00000	.00000	-.00055	.00091	.01687	-.01409	.03036

RUN NO. 45/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.290	-13.000	29.88000	.00000	97.50000	1.08415	-.00534	-.54528	.33799	.16272
94.680	-10.000	29.88000	.00000	99.00000	1.10562	.00000	-.49455	.30795	.26951
94.410	-5.000	29.88000	.00000	99.00000	1.08952	.00000	-.37409	.23284	.42715
94.780	-2.000	29.88000	.00000	99.00000	1.08952	-.00534	-.31068	.17275	.58478
94.730	.000	29.88000	.00000	99.00000	1.08952	-.00534	-.28532	.15773	.61529
94.410	2.000	29.88000	.00000	98.50000	1.08952	-.00534	-.24728	.13520	.69665
94.180	5.000	29.88000	.00000	98.00000	1.06805	.00000	-.20289	.09013	.71191
94.590	10.000	29.88000	.00000	98.00000	1.06805	-.00534	-.13315	.00751	.94074
94.450	15.000	29.88000	.00000	98.00000	1.07342	.00534	-.05706	-.08262	1.08820
92.340	20.000	29.88000	.00000	97.00000	1.04658	.00534	-.02536	-.18777	1.19499
	GRADIENT	.00000	.00000	-.10345	-.00185	.00000	.01694	-.01360	.02841

ARC40X80-462(OA100) OV101(DECREASING BETA) (JNA01F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 22/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.510	-13.000	29.75000	.00000	48.00000	1.09383	-.97122	-.57710	.26751	.15092
47.470	-10.000	29.75000	.00000	47.50000	1.08321	-.97122	-.56455	.25265	.26160
47.610	-5.000	29.75000	.00000	48.00000	1.09383	-.97122	-.46419	.16348	.46284
47.600	-2.000	29.75000	.00000	48.00000	1.08321	-.97122	-.37637	.13376	.54333
47.430	.000	29.75000	.00000	48.00000	1.08321	-.96067	-.31364	.08917	.62382
47.440	2.000	29.75000	.00000	47.50000	1.08321	-.96067	-.25091	.08917	.68419
47.550	5.000	29.75000	.00000	47.50000	1.09383	-.96067	-.25091	.05945	.73450
47.490	10.000	29.75000	.00000	48.00000	1.08321	-.96067	-.15055	-.01486	.90555
47.540	15.000	29.75000	.00000	48.00000	1.09383	-.96067	-.10036	-.08917	1.05648
47.670	20.000	29.75000	.00000	48.00000	1.09383	-.96067	-.08782	-.22293	1.19734
	GRADIENT	.00000	.00000	-.06034	.00000	.00127	.02271	-.01051	.02828

ARC40X80-462(OA100) OV101 (JNA01G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 17/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
19.180	-13.000	29.69000	5.00000	19.00000	1.08759	-1.00204	-.28204	.48260	.35186
19.120	-10.000	29.69000	5.00000	19.50000	1.11412	-.97567	-.21936	.40835	.45239
19.080	-5.000	29.69000	5.00000	19.50000	1.08759	-.97567	-.12535	.33410	.60319
19.070	-2.000	29.69000	5.00000	19.00000	1.08759	-.97567	-.09401	.33410	.70372
19.070	.000	29.69000	5.00000	19.50000	1.08759	-.97567	-.12535	.22274	.77912
19.060	2.000	29.69000	5.00000	19.50000	1.08759	-.97567	-.03134	.18561	.82938
19.080	5.000	29.69000	5.00000	19.00000	1.08759	-.97567	-.03134	.14849	.90478
19.070	10.000	29.69000	5.00000	19.50000	1.08759	-1.00204	-.03134	-.03712	1.05558
19.020	15.000	29.69000	5.00000	19.50000	1.08759	-.97567	.00000	-.11137	1.15611
19.010	20.000	29.69000	5.00000	19.50000	1.08759	-.94930	.00000	-.22274	1.28177
	GRADIENT	.00000	.00000	-.02586	.00000	.00000	.01027	-.02112	.03033

ARC40X80-462(OA100) OV101 (JNA01G) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	5.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 23/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.780	-13.000	29.75000	5.00000	48.00000	1.09063	-.96838	-.27520	.42973	.33106
47.770	-10.000	29.75000	5.00000	48.00000	1.08004	-.96838	-.23767	.38527	.44142
47.550	-5.000	29.75000	5.00000	47.50000	1.08004	-.95786	-.15011	.34082	.58187
47.560	-2.000	29.75000	5.00000	47.50000	1.08004	-.95786	-.10007	.28155	.67216
47.450	.000	29.75000	5.00000	48.00000	1.08004	-.95786	-.07505	.25191	.71229
47.560	2.000	29.75000	5.00000	48.00000	1.09063	-.96838	-.06254	.17782	.78251
47.430	5.000	29.75000	5.00000	47.50000	1.08004	-.96838	-.06254	.11855	.87280
47.670	10.000	29.75000	5.00000	48.00000	1.08004	-.96838	-.01251	.00000	1.04335
47.470	15.000	29.75000	5.00000	47.50000	1.08004	-.95786	.00000	-.10373	1.14367
47.450	20.000	29.75000	5.00000	47.50000	1.08004	-.95786	.01251	-.23709	1.24399
	GRADIENT	.00000	.00000	.01724	.00037	-.00127	.00884	-.02274	.02889

ARC40X80-462(OA100) OV101 (JNA01H) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	10.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 18/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
19.060	-13.000	29.69000	10.00000	19.50000	1.08443	-.97283	-.03125	.55522	.45107
19.090	-10.000	29.69000	10.00000	19.00000	1.08443	-.97283	-.03125	.48119	.52625
19.100	-5.000	29.69000	10.00000	19.00000	1.08443	-.97283	.00000	.40716	.70467
19.180	-2.000	29.69000	10.00000	19.00000	1.08443	-1.89308	.00000	.33313	.75179
19.060	.000	29.69000	10.00000	19.00000	1.08443	-.97283	.00000	.22209	.82697
19.110	2.000	29.69000	10.00000	19.00000	1.08443	-.97283	.03125	.22209	.87709
19.080	5.000	29.69000	10.00000	19.00000	1.08443	-.97283	.00000	.14806	.97732
19.110	10.000	29.69000	10.00000	19.00000	1.08443	-.97283	.00000	-.03701	1.07756
19.050	15.000	29.69000	10.00000	19.00000	1.08443	-.97283	.03125	-.14806	1.17780
19.040	20.000	29.69000	10.00000	19.50000	1.08443	-.97283	-.03125	-.25910	1.32816
	GRADIENT	.00000	.00000	.00000	.00000	.03173	.00108	-.02617	.02808

ARC40X80-462(OA100) OV101 (JNA01H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 24/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.700	-13.000	29.75000	10.00000	48.00000	1.08744	-.96555	-.07483	.53190	.44013
47.950	-10.000	29.75000	10.00000	48.00000	1.09800	-.96555	-.03742	.45802	.54016
48.370	-5.000	29.75000	10.00000	49.00000	1.08744	-.98654	-.02494	.36937	.69020
47.570	-2.000	29.75000	10.00000	48.00000	1.08744	-.96555	.00000	.26595	.76022
47.530	.000	29.75000	10.00000	48.00000	1.08744	-.96555	.00000	.23640	.81024
47.440	2.000	29.75000	10.00000	48.00000	1.07689	-.94458	.00000	.17730	.85025
47.660	5.000	29.75000	10.00000	48.00000	1.07689	-.97605	.00000	.13298	.93027
47.390	10.000	29.75000	10.00000	47.50000	1.07689	-.96555	.00000	.00000	1.05031
47.510	15.000	29.75000	10.00000	47.50000	1.07689	-.95506	-.01247	-.16252	1.18034
47.500	20.000	29.75000	10.00000	47.50000	1.08744	-.96555	-.04989	-.29550	1.29038
	GRADIENT	.00000	.00000	-.08621	-.00127	.00163	.00215	-.02344	.02380

RUN NO. 46/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.480	-13.000	29.88000	10.00000	99.00000	1.07777	-.01061	-.05673	.56001	.44991
94.340	-10.000	29.88000	10.00000	98.00000	1.08311	-.01591	-.02521	.49281	.53584
94.410	-5.000	29.88000	10.00000	98.50000	1.06710	.00000	.00630	.37334	.67739
94.550	-2.000	29.88000	10.00000	98.50000	1.07244	-.00530	.00630	.32107	.74311
94.270	.000	29.88000	10.00000	98.00000	1.05110	.00000	.01261	.27627	.80377
94.360	2.000	29.88000	10.00000	98.00000	1.05110	-.00530	.01891	.20907	.85432
94.430	5.000	29.88000	10.00000	98.00000	1.04042	.00000	.01891	.14187	.93520
94.550	10.000	29.88000	10.00000	98.50000	1.04042	-.01061	.01891	.00747	1.06663
94.610	15.000	29.88000	10.00000	98.50000	1.04042	-.01061	.00000	-.14187	1.21323
94.360	20.000	29.88000	10.00000	98.00000	1.04042	-.00530	-.02521	-.26880	1.29412
	GRADIENT	.00000	.00000	-.06034	-.00304	.00000	.00152	-.02382	.02606

ARC40X80-462(OA100) OV101 (JNA011) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 19/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
19.000	-13.000	29.69000	15.00000	19.00000	1.08128	-.97001	.00000	.59052	.47475
19.100	-10.000	29.69000	15.00000	19.00000	1.10765	-.97001	.00000	.51670	.57470
19.000	-5.000	29.69000	15.00000	19.00000	1.10765	-.97001	.00000	.36907	.69963
19.000	-2.000	29.69000	15.00000	19.00000	1.08128	-.97001	-.06231	.22144	.77459
18.980	.000	29.69000	15.00000	19.00000	1.10765	-.94379	-.03116	.22144	.82457
19.070	2.000	29.69000	15.00000	19.50000	1.10765	-.97001	.00000	.18454	.87454
18.980	10.000	29.69000	15.00000	19.00000	1.08128	-.94379	-.06231	-.03691	1.07443
19.000	15.000	29.69000	15.00000	19.00000	1.08128	-.97001	-.12462	-.14763	1.19937
18.930	20.000	29.69000	15.00000	19.00000	1.08128	-.94379	-.15578	-.36907	1.27433
	GRADIENT	.00000	.00000	.06075	.00074	.00123	.00029	-.02518	.02499

RUN NO. 25/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.510	-13.000	30.77000	15.00000	47.50000	1.08428	-1.00460	.00000	.54506	.49869
47.800	-10.000	30.77000	15.00000	48.00000	1.09480	-1.00460	.00000	.48615	.55853
48.000	-5.000	30.77000	15.00000	48.50000	1.09480	-1.00460	.01244	.38303	.71811
48.090	-2.000	30.77000	15.00000	48.00000	1.08428	-1.00460	.00000	.29464	.78793
47.970	.000	30.77000	15.00000	48.00000	1.08428	-1.02553	-.01244	.20625	.83780
47.910	2.000	30.77000	15.00000	48.00000	1.08428	-1.01506	-.02487	.14732	.88767
47.890	5.000	30.77000	15.00000	48.00000	1.07375	-1.01506	-.03731	.05893	.96746
47.470	10.000	30.77000	15.00000	48.00000	1.06322	-1.01506	-.06218	-.08839	1.05722
47.450	15.000	30.77000	15.00000	48.00000	1.06322	-1.00460	-.09949	-.22098	1.16693
47.650	20.000	30.77000	15.00000	48.00000	1.08428	-1.00460	-.18654	-.36830	1.26667
	GRADIENT	.00000	.00000	-.04310	-.00181	-.00126	-.00515	-.03302	.02493

ARC40X80-462(OA100) OV101 (JNA01J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 20/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
19.180	-13.000	29.75000	20.00000	19.00000	1.10445	-.91492	-.09320	.51521	.49829
19.130	-10.000	29.75000	20.00000	19.00000	1.10445	-.91492	-.06213	.44160	.54812
19.100	-5.000	29.75000	20.00000	18.50000	1.10445	-.91492	-.12426	.29440	.64778
19.140	-2.000	29.75000	20.00000	19.00000	1.13074	-.91492	-.12426	.29440	.74744
19.220	.000	29.75000	20.00000	19.00000	1.10445	-.91492	-.18639	.11040	.77235
19.130	2.000	29.75000	20.00000	19.00000	1.10445	-.91492	-.12426	.11040	.82218
19.100	5.000	29.75000	20.00000	19.00000	1.10445	-.91492	-.18639	.03680	.89692
19.010	10.000	29.75000	20.00000	19.00000	1.10445	-.88878	-.31065	-.18400	1.02149
19.040	15.000	29.75000	20.00000	18.50000	1.10445	-.88878	-.40385	-.44160	1.12115
19.000	20.000	29.75000	20.00000	19.00000	1.10445	-.88878	-.49704	-.62561	1.22081
	GRADIENT	.00000	.00000	.04310	-.00091	.00000	-.00536	-.02855	.02406

RUN NO. 26/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.490	-13.000	30.77000	20.00000	47.50000	1.08113	-1.02255	-.02480	.54350	.49724
47.730	-10.000	30.77000	20.00000	48.00000	1.09163	-1.02255	-.02480	.47005	.57680
47.590	-5.000	30.77000	20.00000	48.00000	1.08113	-1.02255	-.06200	.33785	.67625
47.600	-2.000	30.77000	20.00000	48.00000	1.06014	-1.02255	-.11160	.22034	.74586
47.560	.000	30.77000	20.00000	48.00000	1.07063	-1.03299	-.11160	.14689	.77570
47.630	2.000	30.77000	20.00000	48.00000	1.07063	-1.04342	-.14880	.08814	.83537
47.700	5.000	30.77000	20.00000	48.00000	1.07063	-1.04342	-.16120	-.01469	.89504
47.640	10.000	30.77000	20.00000	48.00000	1.06014	-1.04342	-.23560	-.17627	1.02432
47.620	15.000	30.77000	20.00000	48.00000	1.04964	-1.04342	-.33480	-.38192	1.10388
47.420	20.000	30.77000	20.00000	48.00000	1.07063	-1.03299	-.38440	-.54350	1.20333
	GRADIENT	.00000	.00000	.00000	-.00054	-.00252	-.00983	-.03495	.02195

ARC40X80-462(OA100) OV101 (JNA01K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 10/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.410	-36.343	29.66000	.00000	47.00000	1.07259	-.98178	-.28855	.08917	.63389
47.600	-31.143	29.66000	.00000	48.00000	1.07259	-1.00289	-.30110	.13376	.65401
47.670	-26.002	29.66000	.00000	48.00000	1.09383	-.99234	-.28855	.11889	.64395
47.550	-20.742	29.66000	.00000	48.00000	1.08321	-.99234	-.31364	.08917	.65401
47.580	-15.601	29.66000	.00000	47.50000	1.08321	-1.00289	-.28855	.08917	.64395
47.670	-10.401	29.66000	.00000	48.00000	1.08321	-.97122	-.31364	.11889	.66407
47.780	-5.200	29.66000	.00000	48.00000	1.07259	-.99234	-.30110	.10403	.68419
47.640	-.060	29.66000	.00000	47.50000	1.07259	-.99234	-.31364	.08917	.67413
47.540	5.141	29.66000	.00000	48.00000	1.07259	-.99234	-.32619	.07431	.63389
47.490	10.281	29.66000	.00000	47.50000	1.07259	-.97122	-.28855	.10403	.63389
47.580	15.482	29.66000	.00000	47.50000	1.08321	-.96067	-.26346	.11889	.65401
47.470	20.682	29.66000	.00000	47.50000	1.08321	-.97122	-.25091	.14862	.64395
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNAOIL) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 11/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.520	-36.343	29.66000	5.00000	47.50000	1.06945	-.98943	-.07505	.23709	.74238
47.610	-31.143	29.66000	5.00000	47.50000	1.06945	-.99996	-.08756	.23709	.73235
47.540	-26.002	29.66000	5.00000	47.50000	1.08004	-.96838	-.08756	.22227	.73235
47.510	-20.742	29.66000	5.00000	47.50000	1.08004	-.96838	-.08756	.22227	.73235
47.510	-15.601	29.66000	5.00000	47.50000	1.06945	-.96838	-.08756	.23709	.74238
47.550	-10.401	29.66000	5.00000	47.50000	1.06945	-.97891	-.08756	.22227	.74238
47.510	-5.260	29.66000	5.00000	47.50000	1.06945	-.98943	-.08756	.22227	.73235
47.610	-.060	29.66000	5.00000	47.50000	1.10122	-.97891	-.08756	.22227	.74238
47.450	5.081	29.66000	5.00000	47.50000	1.09063	-.96838	-.07505	.25191	.76245
47.500	10.341	29.66000	5.00000	47.50000	1.06945	-.96838	-.07505	.23709	.74238
47.710	15.482	29.66000	5.00000	47.50000	1.08004	-.96838	-.07505	.25191	.73235
47.420	20.682	29.66000	5.00000	47.50000	1.06945	-.96838	-.08756	.20745	.72232
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA01M) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 12/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.660	-36.343	29.66000	10.00000	47.50000	1.08744	-.97605	-.02494	.23640	.81024
47.590	-31.143	29.66000	10.00000	47.50000	1.07689	-.95506	-.01247	.23640	.81024
47.530	-26.002	29.66000	10.00000	48.00000	1.06633	-.97605	-.02494	.23640	.81024
47.620	-20.802	29.66000	10.00000	47.50000	1.08744	-.96555	-.01247	.23640	.80023
47.460	-15.601	29.66000	10.00000	47.50000	1.07689	-.96555	.00000	.23640	.81024
47.530	-10.401	29.66000	10.00000	47.50000	1.07689	-.96555	.00000	.23640	.80023
47.500	-5.200	29.66000	10.00000	47.50000	1.06633	-.96555	-.01247	.25117	.80023
47.500	-.060	29.66000	10.00000	48.00000	1.07689	-.96555	-.02494	.23640	.80023
47.350	5.141	29.66000	10.00000	47.50000	1.06633	-.96555	.00000	.23640	.80023
47.430	10.281	29.66000	10.00000	47.50000	1.07689	-.96555	-.02494	.22162	.80023
47.460	15.541	29.66000	10.00000	47.50000	1.07689	-.95506	-.01247	.23640	.80023
47.380	20.622	29.66000	10.00000	47.50000	1.08744	-.95506	.00000	.23640	.80023
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(DECREASING ELEVON) (JNA01N) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 13/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.380	-36.343	29.66000	10.00000	47.50000	1.08744	-.97605	.00000	.23640	.80023
47.430	-31.143	29.66000	10.00000	47.50000	1.06633	-.95506	.01247	.23640	.80023
47.440	-25.942	29.66000	10.00000	47.50000	1.06633	-.96555	.01247	.23640	.80023
47.350	-20.742	29.66000	10.00000	47.50000	1.06633	-.96555	-.03742	.26595	.80023
47.340	-15.541	29.66000	10.00000	47.50000	1.07689	-.96555	-.01247	.23640	.80023
47.340	-10.461	29.66000	10.00000	47.50000	1.06633	-.96555	-.01247	.23640	.80023
47.260	-5.200	29.66000	10.00000	47.50000	1.06633	-.96555	.02494	.23640	.80023
47.300	.000	29.66000	10.00000	47.50000	1.06633	-.96555	.01247	.23640	.80023
47.260	5.111	29.66000	10.00000	47.50000	1.06633	-.95506	.01247	.23640	.80023
47.510	10.281	29.66000	10.00000	47.50000	1.07689	-.96555	.00000	.25117	.80023
47.530	15.541	29.66000	10.00000	47.50000	1.06633	-.96555	.00000	.23640	.80023
47.400	20.622	29.66000	10.00000	48.00000	1.07689	-.98654	.00000	.23640	.80023
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA010) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 27/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.630	-36.343	30.77000	15.00000	48.00000	1.06322	-1.04646	.02487	.25044	.86772
47.880	-31.143	30.77000	15.00000	48.00000	1.07375	-1.04646	.01244	.23571	.87769
47.570	-26.002	30.77000	15.00000	48.00000	1.06322	-1.04646	.03731	.23571	.87769
47.550	-20.742	30.77000	15.00000	48.00000	1.05270	-1.04646	.02487	.23571	.85775
47.520	-15.601	30.77000	15.00000	47.50000	1.05270	-1.04646	.01244	.25044	.83780
47.720	-10.401	30.77000	15.00000	48.00000	1.06322	-1.05692	.01244	.23571	.86772
47.490	-5.200	30.77000	15.00000	47.50000	1.05270	-1.05692	.02487	.23571	.85775
47.560	.000	30.77000	15.00000	48.00000	1.06322	-1.04646	.01244	.23571	.84777
47.560	5.141	30.77000	15.00000	48.00000	1.05270	-1.04646	.01244	.25044	.86772
47.570	10.281	30.77000	15.00000	48.00000	1.05270	-1.05692	.02487	.23571	.85775
47.790	15.482	30.77000	15.00000	48.00000	1.09480	-1.05692	.02487	.23571	.86772
47.430	20.637	30.77000	15.00000	48.00000	1.06322	-1.04646	.02487	.23571	.86772
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA01P) (16 MAR 82)

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 =	.3600						

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 28/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.610	-36.343	30.77000	20.00000	48.00000	1.07063	-1.05385	-.08680	.22034	.80553
47.620	-31.143	30.77000	20.00000	48.00000	1.06014	-1.05385	-.08680	.20565	.79559
47.500	-25.942	30.77000	20.00000	48.00000	1.07063	-1.05385	-.08680	.19096	.78564
47.700	-20.712	30.77000	20.00000	48.00000	1.07063	-1.05385	-.09920	.16158	.80553
47.670	-15.601	30.77000	20.00000	48.00000	1.04964	-1.05385	-.08680	.19096	.79559
47.810	-10.401	30.77000	20.00000	48.00000	1.06014	-1.05385	-.09920	.20565	.79559
47.510	-5.200	30.77000	20.00000	48.00000	1.04964	-1.05385	-.08680	.16158	.79559
47.560	-.030	30.77000	20.00000	48.00000	1.06014	-1.05385	-.09920	.17627	.80553
47.750	5.141	30.77000	20.00000	48.00000	1.07063	-1.05385	-.08680	.19096	.80553
47.560	10.341	30.77000	20.00000	48.00000	1.06014	-1.05385	-.11160	.19096	.79559
47.760	15.541	30.77000	20.00000	47.50000	1.06014	-1.04342	-.09920	.19096	.82542
47.658	20.682	30.77000	20.00000	48.00000	1.08113	-1.05385	-.12400	.14689	.79559
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA01Q) (16 MAR 82)

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 =	.3600						

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 29/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.700	-.045	30.77000	.00000	48.00000	1.06197	-1.07679	-.25091	.14862	.68419
47.690	2.570	30.77000	.00000	48.00000	1.07259	-1.06624	-.23837	.13376	.70432
47.620	5.141	30.77000	.00000	48.00000	1.06197	-1.07679	-.26346	.14862	.68419
47.590	7.711	30.77000	.00000	48.00000	1.07259	-1.07679	-.26346	.14862	.68419
47.610	10.281	30.77000	.00000	48.00000	1.07259	-1.07679	-.25091	.13376	.69426
47.630	15.541	30.77000	.00000	47.50000	1.06197	-1.07679	-.21328	.16348	.70432
	GRADIENT	.00000	.00000	-.00000	.00406	.00403	.00480	-.00568	.00769

ARC40X80-462(0A100) 0V101 (JNA01R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 30/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.600	-.045	30.77000	5.00000	48.00000	1.08004	-1.06311	-.06254	.26673	.78251
47.660	2.570	30.77000	5.00000	48.00000	1.06945	-1.06311	-.03753	.26673	.79254
47.650	5.141	30.77000	5.00000	48.00000	1.05886	-1.06311	-.02502	.28155	.79254
47.570	7.741	30.77000	5.00000	47.50000	1.06945	-1.07364	-.01251	.26673	.79254
47.610	10.311	30.77000	5.00000	48.00000	1.05886	-1.07364	-.01251	.28155	.80258
47.570	15.541	30.77000	5.00000	47.50000	1.05886	-1.07364	-.02502	.26673	.81261
	GRADIENT	.00000	-.00000	-.00000	-.00405	.00000	.00957	-.00000	.00384

ARC40X80-462(0A100) 0V101 (JNA01S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 31/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.670	-.060	30.77000	10.00000	48.00000	1.05577	-1.06001	.04989	.29550	.85025
47.530	2.570	30.77000	10.00000	47.50000	1.05577	-1.07050	.06236	.29550	.86025
47.690	5.141	30.77000	10.00000	47.50000	1.05577	-1.06001	.06236	.29550	.86025
47.590	7.711	30.77000	10.00000	47.50000	1.05577	-1.08100	.06236	.28072	.86025
47.650	10.281	30.77000	10.00000	48.00000	1.06633	-1.07050	.04989	.26595	.86025
47.710	15.541	30.77000	10.00000	47.50000	1.06633	-1.08100	.06236	.29550	.86025
	GRADIENT	.00000	.00000	-.19011	.00000	-.00399	.00474	.00000	.00390

ARC40X80-462(OA100) OV101(DECREASING AILERON) (JNA01T) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 32/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.600	.000	30.77000	10.00000	48.00000	1.05577	-1.10199	.04989	.29550	.85025
47.610	2.570	30.77000	10.00000	47.50000	1.05577	-1.08100	.06236	.29550	.87025
47.690	5.141	30.77000	10.00000	47.50000	1.05577	-1.07050	.06236	.29550	.86025
47.670	7.771	30.77000	10.00000	48.00000	1.06633	-1.07050	.06236	.29550	.86025
47.670	10.341	30.77000	10.00000	48.00000	1.05577	-1.07050	.04989	.31027	.86025
47.610	15.541	30.77000	10.00000	47.50000	1.07689	-1.08100	.06236	.28072	.88026
	GRADIENT	.00000	.00000	-.19453	.00000	.00817	.00485	.00000	.00778

ARC40X80-462(OA100) OV101 (JNA01U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 33/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.570	-.015	30.77000	15.00000	48.00000	1.05270	-1.07785	.03731	.26517	.87769
47.700	2.570	30.77000	15.00000	48.00000	1.05270	-1.05692	.04974	.26517	.88767
47.690	5.170	30.77000	15.00000	48.00000	1.07375	-1.06739	.03731	.26517	.88767
47.620	7.711	30.77000	15.00000	48.00000	1.06322	-1.07785	.02487	.25044	.87769
47.590	10.281	30.77000	15.00000	48.00000	1.06322	-1.06739	.02487	.26517	.87769
47.490	15.527	30.77000	15.00000	48.00000	1.08428	-1.06739	.06218	.26517	.89764
	GRADIENT	.00000	.00000	.00000	.00000	.00810	.00481	.00000	.00386

ARC40X80-462(0A100) 0V101 (JNA01V) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	20.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 34/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.650	.000	30.77000	20.00000	48.00000	1.07063	-1.06429	-.06200	.22034	.82542
47.580	2.570	30.77000	20.00000	48.00000	1.04964	-1.06429	-.06200	.19096	.79559
47.650	5.185	30.77000	20.00000	48.00000	1.07063	-1.06429	-.07440	.20565	.81548
47.670	7.711	30.77000	20.00000	48.00000	1.04964	-1.06429	-.08680	.20565	.82542
47.640	10.341	30.77000	20.00000	48.00000	1.06014	-1.06429	-.04960	.20565	.80553
47.430	15.541	30.77000	20.00000	48.00000	1.06014	-1.06429	-.07440	.17627	.80553
	GRADIENT	.00000	.00000	.00000	-.00817	.00000	.00000	-.01143	-.01161

ARC40X80-462(0A100) 0V101 (JNA01W) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	10.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 50/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.600	.064	29.86000	.00000	49.00000	1.10445	.01056	-.25091	.10403	.70432
47.580	2.544	29.86000	.00000	48.50000	1.09383	.00000	-.26346	.14862	.67413
47.740	5.068	29.86000	.00000	49.00000	1.10445	-.01056	-.25091	.11889	.68419
47.600	7.578	29.86000	.00000	49.00000	1.10445	.00000	-.25091	.11889	.65401
47.600	10.044	29.86000	.00000	49.00000	1.08321	.01056	-.25091	.08917	.67413
47.740	12.896	29.86000	.00000	48.50000	1.09383	.01056	-.26346	.10403	.69426
	GRADIENT	.00000	.00000	-.20160	-.00428	-.00426	-.00506	.01798	-.01217

ARC40X80-462(OA100) OV101 (JNA01X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 51/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.550	.049	29.86000	5.00000	48.50000	1.09063	.01053	-.08756	.25191	.75242
47.650	2.544	29.86000	5.00000	48.50000	1.08004	.00000	-.06254	.23709	.76245
47.560	5.068	29.86000	5.00000	48.50000	1.09063	.00000	-.07505	.22227	.77248
47.540	7.578	29.86000	5.00000	48.50000	1.10122	.01053	-.06254	.22227	.75242
47.710	10.028	29.86000	5.00000	48.50000	1.09063	.02105	-.07505	.25191	.78251
47.460	12.896	29.86000	5.00000	48.50000	1.09063	.01053	-.06254	.23709	.78251
	GRADIENT	-.00000	-.00000	.00000	-.00426	-.00422	.01003	-.00594	.00402

ARC40X80-462(OA100) OV101 (JNA01Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 52/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.580	.049	29.86000	10.00000	48.50000	1.10856	.00000	.00000	.25117	.82024
47.430	2.544	29.86000	10.00000	48.50000	1.08744	.00000	.00000	.26595	.79023
47.430	5.024	29.86000	10.00000	48.50000	1.11912	.00000	.00000	.23640	.79023
47.400	7.578	29.86000	10.00000	48.50000	1.09800	.00000	-.01247	.25117	.79023
47.480	10.028	29.86000	10.00000	49.00000	1.10856	.00000	.00000	.23640	.80023
47.370	12.896	29.86000	10.00000	48.50000	1.08744	.00000	-.01247	.25117	.82024
	GRADIENT	.00000	-.00000	.00000	-.00347	00000	.00000	.00592	-.01203

ARC40X80-462(0A100) 0V101 (JNA01Z) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 53/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.600	.050	29.92000	15.00000	48.00000	1.08428	.00000	-1.46745	-.08839	-.33911
47.750	2.559	29.92000	15.00000	48.50000	1.08428	.00000	-1.44258	.00000	-.37900
47.780	5.068	29.92000	15.00000	48.00000	1.09480	.00000	-1.41771	.07366	-.44882
47.690	7.564	29.92000	15.00000	48.50000	1.10533	.00000	-1.39284	.11786	-.49869
47.700	10.043	29.92000	15.00000	48.50000	1.08428	.00000	-1.38040	.16205	-.50866
47.670	12.896	29.92000	15.00000	48.50000	1.08428	.00000	-1.38040	.17678	-.50866
	GRADIENT	-.00000	-.00000	.19926	-.00000	.00000	.00991	.03523	-.01590

ARC40X80-462(0A100) 0V101 (JNA02A) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 54/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.540	.034	29.92000	20.00000	48.00000	1.10212	-.01043	-1.53759	.24972	-.74586
47.680	2.559	29.92000	20.00000	48.00000	1.10212	.00000	-1.56239	.29378	-.80553
47.590	5.039	29.92000	20.00000	48.00000	1.09163	.00000	-1.56239	.32316	-.84531
47.620	7.563	29.92000	20.00000	48.00000	1.10212	.00000	-1.57479	.32316	-.84531
47.530	10.043	29.92000	20.00000	48.00000	1.09163	.00000	-1.58719	.32316	-.87515
47.520	12.896	29.92000	20.00000	48.00000	1.10212	.00000	-1.58719	.39661	-.90498
	GRADIENT	.00000	.00000	.00000	-.00000	.00413	-.00982	.01746	-.02364

ARC40X80-462(0A100) 0V101 (JNA028) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 55/ 0 GRADIENT !NTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.620	-.078	29.92000	.00000	48.50000	1.09383	.00000	-1.34238	-.19320	-.09056
47.760	2.460	29.92000	.00000	48.50000	1.10445	.00000	-1.35493	-.22293	-.09056
47.760	4.985	29.92000	.00000	48.00000	1.10445	.00000	-1.38002	-.23779	-.10062
47.580	7.465	29.92000	.00000	48.00000	1.09383	.02111	-1.39256	-.25265	-.10062
47.590	10.020	29.92000	.00000	48.00000	1.09383	.00000	-1.39256	-.22293	-.11068
47.360	15.069	29.92000	.00000	47.50000	1.11507	.00000	-1.39256	-.26751	-.10062
	GRADIENT	.00000	.00000	-.09866	.00210	.00000	-.00743	-.00881	-.00199

ARC40X80-462(0A100) 0V101 (JNA02C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 56/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.640	-.034	29.92000	5.00000	48.50000	1.10122	.00000	-1.23838	-.08891	-.12039
47.660	2.461	29.92000	5.00000	48.50000	1.09063	-.01053	-1.26340	-.07409	-.11035
47.670	4.985	29.92000	5.00000	48.50000	1.10122	.00000	-1.23838	-.07409	-.11035
47.670	7.480	29.92000	5.00000	48.50000	1.09063	-.01053	-1.23838	-.07409	-.12039
47.570	10.020	29.92000	5.00000	48.50000	1.08004	-.01053	-1.23838	-.07409	-.12039
47.320	15.054	29.92000	5.00000	48.00000	1.08004	.00000	-1.23838	-.10373	-.13042
	GRADIENT	-.00000	.00000	-.00000	.00001	.00001	.00002	.00295	.00399

ARC40X80-462(OA100) OV101 (JNA02D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 57/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.760	-.064	29.87000	10.00000	48.00000	1.08744	.01050	.00000	.25117	.79023
47.770	2.461	29.87000	10.00000	48.00000	1.08744	.01050	.01247	.25117	.82024
47.800	4.956	29.87000	10.00000	48.00000	1.08744	.01050	-.01247	.25117	.79023
47.880	7.495	29.87000	10.00000	48.50000	1.08744	.01050	.00000	.23640	.79023
47.690	10.020	29.87000	10.00000	48.00000	1.08744	.02099	.00000	.25117	.80023
47.640	15.039	29.87000	10.00000	48.00000	1.08744	.01050	.01247	.25117	.81024
	GRADIENT	.00000	-.00000	-.00000	-.00000	-.00000	-.00247	.00000	.00002

ARC40X80-462(OA100) OV101 (JNA02E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 58/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.510	-.064	29.87000	15.00000	48.00000	1.08428	.01046	.00000	.20625	.79790
47.450	2.461	29.87000	15.00000	47.00000	1.07375	.01046	-.01244	.22098	.82783
47.560	4.971	29.87000	15.00000	48.00000	1.06322	.01046	-.01244	.20625	.81785
47.500	7.465	29.87000	15.00000	48.00000	1.06322	.01046	-.01244	.20625	.78793
47.370	10.020	29.87000	15.00000	48.00000	1.07375	.01046	-.01244	.22098	.80788
47.570	15.055	29.87000	15.00000	48.00000	1.08428	.01046	-.01244	.20625	.81785
	GRADIENT	-.00000	.00000	-.00038	-.00418	.00000	-.00247	.00001	.00397

ARC40X80-462(0A100) OV101 (JNA02F) (16 MAR 82)

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 =	.3600						

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 59/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
45.310	-.064	29.87000	20.00000	50.00000	1.01815	.01043	-.14880	.13220	.71603
47.090	2.461	29.87000	20.00000	47.00000	1.04964	.01043	-.14880	.14689	.74586
47.600	4.971	29.87000	20.00000	48.00000	1.07063	.02087	-.14880	.14689	.74586
47.390	7.480	29.87000	20.00000	47.00000	1.06014	.01043	-.16120	.13220	.74586
47.470	10.020	29.87000	20.00000	48.00000	1.06014	.01043	-.13640	.14689	.75581
47.360	15.010	29.87000	20.00000	48.00000	1.07063	.01043	-.14880	.13220	.74586
	GRADIENT	-.00000	.00000	-.39805	.01043	.00207	.00000	.00292	.00593

ARC40X80-462(0A100) OV101 (JNA02G) (16 MAR 82)

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 =	.3600						

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 70/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
48.060	-.053	29.83000	.00000	48.50000	1.09383	.00000	-.27600	.10403	.66407
47.800	2.441	29.83000	.00000	47.50000	1.08321	.01056	-.26346	.10403	.67413
47.850	4.966	29.83000	.00000	48.50000	1.09383	.01056	-.26346	.11889	.65401
47.590	7.475	29.83000	.00000	48.50000	1.09383	.01056	-.27600	.10403	.66407
47.660	10.000	29.83000	.00000	48.50000	1.08321	.01056	-.30110	.10403	.65401
47.530	15.005	29.83000	.00000	47.50000	1.08321	.02111	-.26346	.11889	.65401
	GRADIENT	-.00000	.00000	.00082	.00001	.00210	.00249	.00297	-.00202

ARC40X80-462(OA100) OV101 (JNA02H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 71/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.420	-.068	29.83000	5.00000	49.50000	1.08004	.01053	-.06254	.25191	.73235
47.380	2.456	29.83000	5.00000	47.50000	1.05886	.01053	-.05004	.22227	.73235
47.560	4.966	29.83000	5.00000	47.50000	1.06945	.01053	-.05004	.23709	.73235
47.530	7.476	29.83000	5.00000	47.50000	1.08004	.01053	-.06254	.25191	.73235
47.490	9.986	29.83000	5.00000	47.50000	1.06945	.01053	-.06254	.25191	.74238
47.450	15.020	29.83000	5.00000	47.50000	1.08004	.01053	-.05004	.25191	.73235
	GRADIENT	.00000	-.00000	-.39767	-.00211	.00000	.00249	-.00295	.00000

ARC40X80-462(OA100) OV101 (JNA02I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 72/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.650	-.053	29.83000	10.00000	47.50000	1.06633	.01050	.01247	.28072	.80023
47.620	2.442	29.83000	10.00000	48.50000	1.07689	.01050	.02494	.26595	.80023
47.580	5.408	29.83000	10.00000	47.50000	1.06633	.02099	.03742	.25117	.80023
47.500	7.491	29.83000	10.00000	47.50000	1.06633	.01050	.02494	.26595	.80023
47.460	10.000	29.83000	10.00000	47.50000	1.06633	.01050	.01247	.26595	.80023
47.370	15.035	29.83000	10.00000	47.50000	1.06633	.01050	.01247	.28072	.80023
	GRADIENT	.00000	.00000	.40087	.00423	.00000	.00500	-.00592	.00000

ARC40X80-462(OA100) OV101 (JNA02J) (16 MAR 82)

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 =	.3600						

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 73/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.540	-.053	29.83000	15.00000	47.50000	1.06322	.01046	.01244	.23571	.79790
47.580	2.456	29.83000	15.00000	47.50000	1.06322	.01046	.01244	.23571	.82783
47.480	4.966	29.83000	15.00000	47.50000	1.06322	.00000	.00000	.22098	.79790
47.420	7.491	29.83000	15.00000	49.00000	1.06322	-.01046	.00000	.22098	.81785
47.350	9.970	29.83000	15.00000	47.50000	1.06322	.02093	.00000	.23571	.80788
47.430	15.020	29.83000	15.00000	47.50000	1.06322	.00000	.00000	.22098	.79790
	GRADIENT	.00000	-.00000	-.00000	.00000	-.00209	-.00248	-.00294	-.00000

ARC40X80-462(OA100) OV101 (JNA02K) (16 MAR 82)

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 =	.3600						

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 74/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.470	-.058	29.83000	20.00000	48.50000	1.07063	.01043	-.11160	.17627	.74586
47.470	2.456	29.83000	20.00000	47.50000	1.07063	.01043	-.12400	.17627	.74586
47.410	4.981	29.83000	20.00000	47.50000	1.06014	.01043	-.11160	.17627	.73592
47.390	7.461	29.83000	20.00000	47.50000	1.08113	.00000	-.09920	.17627	.74586
47.330	9.986	29.83000	20.00000	47.50000	1.08113	.01043	-.11160	.14689	.75581
47.780	15.020	29.83000	20.00000	48.50000	1.07063	.01043	-.11160	.19096	.75581
	GRADIENT	-.00000	-.00000	-.19805	-.00208	-.00000	.00000	-.00000	-.00197

ARC40X80-462(OA100) OV101 (JNA02L) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 60/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.680	.000	29.86000	.00000	47.00000	1.09383	.02111	-.22582	.10403	.73450
47.880	2.524	29.86000	.00000	48.00000	1.09383	.01056	-.21328	.07431	.74456
47.850	5.005	29.86000	.00000	48.00000	1.10445	.01056	-.23837	.07431	.77475
47.800	7.514	29.86000	.00000	48.00000	1.08321	.01056	-.22582	.07431	.76469
47.730	10.024	29.86000	.00000	48.00000	1.08321	.01056	-.26346	.07431	.76469
47.790	15.088	29.86000	.00000	48.00000	1.10445	.01056	-.22582	.05945	.72444
	GRADIENT	.00000	.00000	.39612	.00000	-.00418	.00497	-.01177	.00399

ARC40X80-462(OA100) OV101 (JNA02M) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 61/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.920	.000	29.86000	5.00000	48.00000	1.09063	.01053	-.01251	.11855	.91293
47.840	2.510	29.86000	5.00000	48.00000	1.08004	.00000	-.01251	.13336	.91293
47.740	4.990	29.86000	5.00000	48.00000	1.08004	.02105	-.01251	.11855	.91293
47.700	7.514	29.86000	5.00000	47.00000	1.09063	.01053	-.01251	.11855	.91293
47.820	10.009	29.86000	5.00000	48.00000	1.09063	.01053	-.01251	.11855	.92296
47.620	15.058	29.86000	5.00000	48.00000	1.08004	.01053	-.01251	.11855	.93299
	GRADIENT	.00000	-.00000	-.00000	-.00213	.00210	.00000	.00001	.00000

ARC40X80-462(OA100) OV101 (JNA02N) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	10.000	BETA =	5.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 62/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.830	.000	29.86000	10.00000	48.00000	1.07689	.00000	.02494	.13298	.95028
47.820	2.495	29.86000	10.00000	48.00000	1.07689	.01050	.01247	.11820	.96028
47.780	5.005	29.86000	10.00000	48.00000	1.07689	.01050	.02494	.13298	.95028
47.670	7.499	29.86000	10.00000	48.00000	1.07689	.01050	.01247	.13298	.95028
47.670	10.024	29.86000	10.00000	48.00000	1.07689	.01050	.02494	.11820	.95028
47.800	15.088	29.86000	10.00000	48.00000	1.06633	.00000	.01247	.11820	.96028
	GRADIENT	.00000	.00000	.00000	.00000	.00421	-.00500	-.00592	.00401

ARC40X80-462(OA100) OV101 (JNA02O) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	15.000	BETA =	5.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 63/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.700	.000	29.86000	15.00000	48.00000	1.07375	.01046	-.01244	.07366	.96746
47.800	2.524	29.86000	15.00000	48.00000	1.07375	.00000	-.02487	.07366	.93754
47.750	5.005	29.86000	15.00000	48.00000	1.08428	.00000	-.03731	.07366	.94751
47.700	7.499	29.86000	15.00000	48.00000	1.06322	.00000	-.02487	.07366	.93754
47.770	10.024	29.86000	15.00000	48.00000	1.06322	.01046	-.03731	.07366	.96746
47.900	15.058	29.86000	15.00000	48.00000	1.07375	.02093	-.02487	.07366	.96746
	GRADIENT	.00000	.00000	.00000	.00000	-.00415	-.00493	.00000	-.01189

ARC40X80-462(OA100) OV101 (JNA02P) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO			ALPHA =	20.000	BETA =	5.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO			ELEVON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO			SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600										

PARAMETRIC DATA

RUN NO. 64/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.710	.000	29.86000	20.00000	48.50000	1.06014	.01043	-.19840	-.02938	.86520
48.030	2.524	29.86000	20.00000	48.00000	1.07063	.01043	-.19840	-.01489	.88509
47.850	5.020	29.86000	20.00000	48.00000	1.07063	.01043	-.22320	-.04407	.88509
47.840	7.499	29.86000	20.00000	48.00000	1.07063	.01043	-.22320	-.07345	.87515
47.810	10.009	29.86000	20.00000	48.00000	1.09163	.01043	-.19840	-.02938	.87515
47.700	15.073	29.86000	20.00000	48.00000	1.07063	.00000	-.19840	.00000	.91493
	GRADIENT	.00000	.00000	-.19806	.00416	.00000	.00000	.00582	.00788

ARC40X80-462(OA100) OV101 (JNA02Q) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO			ALPHA =	.000	BETA =	5.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO			ELEVON =	10.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO			SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600										

PARAMETRIC DATA

RUN NO. 65/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.570	.035	29.86000	.00000	47.00000	1.06197	.01056	-.21328	.10403	.73450
47.800	2.559	29.86000	.00000	48.00000	1.07259	.01056	-.20073	.08917	.75463
47.770	5.068	29.86000	.00000	48.00000	1.06197	.01056	-.25091	.07431	.76469
47.740	7.533	29.86000	.00000	47.00000	1.06197	.01056	-.17564	.08917	.78481
47.730	10.043	29.86000	.00000	48.00000	1.07259	.02111	-.20073	.08917	.77475
47.770	12.896	29.86000	.00000	48.00000	1.08321	.01056	-.22582	.08917	.78481
	GRADIENT	.00000	.00000	.39622	.00421	-.00000	.00497	-.00589	.00797

ARC40X80-462(OA100) OV101 (JNA02R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 66/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.850	.049	29.86000	5.00000	48.00000	1.06945	.01053	.00000	.13336	.93299
47.690	2.559	29.86000	5.00000	48.00000	1.06945	.01053	.00000	.11855	.91293
47.780	5.024	29.86000	5.00000	48.00000	1.06945	.01053	.00000	.13336	.93299
47.750	7.518	29.86000	5.00000	48.50000	1.05886	.01053	.00000	.13336	.93299
47.710	10.043	29.86000	5.00000	47.00000	1.06945	.01053	.00000	.13336	.93299
47.610	12.886	29.86000	5.00000	48.00000	1.05886	.01053	.02502	.13336	.93299
	GRADIENT	-.00000	.00000	.00000	-.00000	-.00000	.00000	-.00591	-.00800

ARC40X80-462(OA100) OV101 (JNA02S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 67/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.830	.049	29.86000	10.00000	48.00000	1.06633	.00000	.02494	.14775	.97028
47.440	2.559	29.86000	10.00000	48.50000	1.05577	.00000	.02494	.13298	.96028
47.780	5.068	29.86000	10.00000	48.00000	1.06633	.00000	.02494	.13298	.97028
47.740	7.578	29.86000	10.00000	48.00000	1.06633	.01050	.02494	.13298	.98029
47.710	10.043	29.86000	10.00000	48.00000	1.05577	.01050	.04989	.13298	.96028
47.810	12.896	29.86000	10.00000	48.00000	1.06633	.01050	.03742	.13298	.97028
	GRADIENT	-.00000	.00000	.19925	-.00421	.00000	-.00000	-.00589	-.00399

ARC40X80-462(OA100) OV101 (JNA02T) (16 MAR 82)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	ALPHA	=	15.000	BETA = 5.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	ELEVON	=	10.000	BDFLAP = .000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDBRK	=	25.000	RUDDER = .000
SCALE	=	.3600									

PARAMETRIC DATA

RUN NO. 68/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.580	.049	29.85000	15.00000	47.00000	1.05270	.01046	-.01244	.08839	.94751
47.690	2.543	29.86000	15.00000	48.00000	1.06322	.01046	-.01244	.07366	.94751
47.710	5.038	29.86000	15.00000	48.00000	1.06322	.02093	-.01244	.07366	.96746
47.740	7.534	29.86000	15.00000	48.50000	1.06322	.01046	-.01244	.07366	.96746
47.700	10.058	29.86000	15.00000	48.00000	1.06322	.01046	-.01244	.08839	.97743
47.800	12.896	29.86000	15.00000	48.00000	1.06322	.00000	-.01244	.07366	.96746
	GRADIENT	-.00000	.00000	.40095	.00422	-.00000	.00000	-.00591	.00000

ARC40X80-462(OA100) OV101 (JNA02U) (16 MAR 82)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	ALPHA	=	20.000	BETA = 5.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	ELEVON	=	10.000	BDFLAP = .000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDBRK	=	25.000	RUDDER = .000
SCALE	=	.3600									

PARAMETRIC DATA

RUN NO. 69/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.550	.064	29.86000	20.00000	48.00000	1.07063	.00000	-.18600	.00000	.89504
47.680	2.559	29.86000	20.00000	48.00000	1.07063	.01043	-.18600	-.01469	.89504
47.610	5.054	29.86000	20.00000	48.00000	1.06014	.00000	-.18600	.00000	.90498
47.460	7.534	29.86000	20.00000	48.50000	1.04964	.00000	-.17360	.00000	.89504
47.300	10.058	29.86000	20.00000	48.50000	1.08113	.00000	-.17360	-.02938	.89504
47.320	12.896	29.86000	20.00000	48.50000	1.06014	-.01043	-.16120	.00000	.90498
	GRADIENT	.00000	.00000	.00000	.00000	.00418	.00000	-.00589	-.00000

ARC40X80-462(OA100) OV101 (JNA02V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 75/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.400	.000	29.82000	.00000	49.50000	1.08321	-.01056	-.12546	-.01486	.95586
47.360	2.524	29.82000	.00000	47.50000	1.08321	.00000	-.11291	.00000	.91561
47.470	5.005	29.82000	.00000	49.50000	1.08321	.00000	-.11291	-.01486	.92567
47.420	7.514	29.82000	.00000	47.50000	1.08321	.00000	-.12546	-.02972	.93574
47.490	10.009	29.82000	.00000	47.50000	1.07259	.00000	-.08782	.01486	.93574
47.360	15.058	29.82000	.00000	49.50000	1.07259	.00000	-.11291	-.01486	.93574
	GRADIENT	.00000	.00000	-.79224	.00000	.00418	.00497	.00589	-.01594

ARC40X80-462(OA100) OV101 (JNA02W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 76/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.750	.000	29.82000	5.00000	47.50000	1.08004	.00000	.00000	.00000	1.05338
47.750	2.509	29.82000	5.00000	47.50000	1.08004	.01053	.02502	.00000	1.03332
47.660	4.990	29.82000	5.00000	47.50000	1.08004	.00000	.01251	.00000	1.06341
47.580	7.514	29.82000	5.00000	49.50000	1.06945	.00000	.00000	.00000	1.05338
47.440	10.024	29.82000	5.00000	47.50000	1.06945	.00000	.00000	.00000	1.02328
47.440	15.058	29.82000	5.00000	49.50000	1.06945	.00000	.00000	.00000	1.02328
	GRADIENT	.00000	.00000	.00000	.00000	.00001	.00252	.00000	.00199

ARC40X80-462(OA100) OV101 (JNA02X) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	10.000	BETA =	10.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 77/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.680	.000	29.82000	10.00000	47.50000	1.07689	.01050	.00000	-.02955	1.07031
47.630	2.509	29.82000	10.00000	47.50000	1.07689	.00000	.01247	-.02955	1.05031
47.600	5.019	29.82000	10.00000	47.50000	1.09800	.02099	.01247	-.02955	1.09032
47.450	7.529	29.82000	10.00000	47.50000	1.06633	.00000	.01247	-.02955	1.06031
47.390	10.024	29.82000	10.00000	47.50000	1.08744	.00000	.01247	-.02955	1.08031
47.370	15.058	29.82000	10.00000	47.50000	1.07689	.00000	.01247	-.02955	1.07031
	GRADIENT	.00000	.00000	.00000	.00000	-.00418	.00497	.00000	-.00797

ARC40X80-462(OA100) OV101 (JNA02Y) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	15.000	BETA =	10.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 78/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.490	.000	29.85000	15.00000	49.00000	1.07375	.00000	-.07462	-.05893	1.02730
47.420	2.481	29.85000	15.00000	49.50000	1.07375	.01046	-.07462	-.07366	1.03727
47.490	5.005	29.85000	15.00000	49.00000	1.07375	.02093	-.07462	-.05893	1.03727
47.420	7.514	29.85000	15.00000	47.50000	1.07375	.00000	-.06218	-.07366	1.03727
47.270	10.024	29.85000	15.00000	47.50000	1.05270	.02093	-.08705	-.07366	1.03727
47.500	15.088	29.85000	15.00000	47.50000	1.07375	.00000	-.07462	-.07366	1.02730
	GRADIENT	.00000	.00000	.20154	.00000	.00422	.00000	-.00594	.00402

ARC40X80-462(OA100) OV101 (JNA02Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 79/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.610	.000	29.85000	20.00000	47.50000	1.09163	.00000	-.27280	-.19096	.95470
47.510	2.510	29.85000	20.00000	47.50000	1.08113	.00000	-.24800	-.19096	.95470
47.470	5.020	29.85000	20.00000	47.50000	1.09163	.01043	-.29760	-.22034	.96465
47.420	7.514	29.85000	20.00000	49.00000	1.07063	.02087	-.29760	-.19096	.97459
47.380	10.009	29.85000	20.00000	47.50000	1.09163	.00000	-.27280	-.20565	.96465
47.730	15.073	29.85000	20.00000	47.50000	1.09163	.00000	-.31000	-.22034	.97459
	GRADIENT	.00000	.00000	.00000	-.00418	.00000	.00988	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA03A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 80/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.370	.035	29.85000	.00000	47.50000	1.07259	.00000	-.11291	.00000	.93574
47.290	2.559	29.85000	.00000	47.50000	1.07259	.00000	-.11291	.00000	.88543
47.470	5.053	29.85000	.00000	47.50000	1.08321	.00000	-.11291	.00000	.90555
47.510	7.533	29.85000	.00000	47.50000	1.08321	.00000	-.08782	.00000	.94580
47.370	10.058	29.85000	.00000	47.50000	1.08321	.01056	-.12546	.00000	.93574
47.570	12.896	29.85000	.00000	49.00000	1.08321	.00000	-.11291	.00000	.94580
	GRADIENT	.00000	.00000	-.00000	.00000	.00000	.00000	.00000	-.01993

ARC40X80-462(OA100) OV101 (JNA03B) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	5.000	BETA =	10.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN YO	ELEVON =	10.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 81/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.580	.010	29.85000	5.00000	47.50000	1.06945	.00000	-.01251	.00000	1.03332
47.460	2.529	29.85000	5.00000	49.00000	1.09063	.00000	-.01251	.00000	1.04335
47.450	5.054	29.85000	5.00000	47.50000	1.06945	.00000	-.01251	.00000	1.02328
47.340	7.548	29.85000	5.00000	47.50000	1.06945	.02105	.00000	.00000	1.02328
47.720	10.043	29.85000	5.00000	47.50000	1.09063	.00000	-.01251	.00000	1.05338
47.370	12.896	29.85000	5.00000	47.50000	1.06945	.00000	.00000	.00000	1.05338
	GRADIENT	.00000	.00000	.59555	.00841	.00000	.00000	.00000	.00398

ARC40X80-462(OA100) OV101 (JNA03C) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	10.000	BETA =	10.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	10.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 82/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.560	.064	29.85000	10.00000	49.00000	1.07689	.00000	-.01247	-.02955	1.07031
47.530	2.543	29.85000	10.00000	47.50000	1.08744	.01050	-.01247	-.01478	1.07031
47.500	5.053	29.85000	10.00000	49.00000	1.06633	.00000	-.01247	-.01478	1.07031
47.540	7.563	29.85000	10.00000	47.50000	1.06633	.02099	-.01247	-.02955	1.05031
47.370	10.043	29.85000	10.00000	47.50000	1.06633	.01050	-.01247	-.02955	1.05031
47.080	12.896	29.85000	10.00000	47.50000	1.06633	.02099	.00000	-.02955	1.04030
	GRADIENT	.00000	.00000	-.60512	.00426	.00423	.00000	.00596	-.00000

ARC40X80-462(OA100) OV101 (JNA03D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 83/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.350	.049	29.85000	15.00000	47.50000	1.07375	.00000	-.08705	-.07366	1.00735
47.310	2.543	29.85000	15.00000	47.50000	1.07375	.01046	-.08705	-.07366	1.02730
47.290	5.039	29.85000	15.00000	49.00000	1.07375	.00000	-.09949	-.08839	1.02730
47.380	7.549	29.85000	15.00000	47.50000	1.07375	.00000	-.11192	-.08839	1.01733
47.350	10.028	29.85000	15.00000	47.50000	1.07375	.01046	-.09949	-.07366	1.01733
47.360	12.896	29.85000	15.00000	47.50000	1.08428	.00000	-.08705	-.07366	1.00735
	GRADIENT	-.00000	-.00000	-.00000	-.00000	.00420	.00000	.00000	.00800

ARC40X80-462(OA100) OV101 (JNA03E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 84/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.920	.035	29.82000	20.00000	48.00000	1.08113	.00000	-.29760	-.30847	.99448
47.790	2.559	29.82000	20.00000	48.00000	1.07063	.00000	-.32240	-.26441	.98454
47.750	5.038	29.82000	20.00000	48.00000	1.08113	.02087	-.28520	-.22034	.97459
47.640	7.548	29.82000	20.00000	48.00000	1.07063	.00000	-.28520	-.22034	.97459
47.520	10.058	29.82000	20.00000	48.00000	1.07063	.00000	-.28520	-.22034	.98454
47.560	12.896	29.82000	20.00000	48.00000	1.06014	.00000	-.34720	-.23503	.97459
	GRADIENT	-.00000	.00000	.00000	-.00416	.00000	-.00983	.01746	-.00394

ARC40X80-462(OA100) OV101 (JNA03F) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 35/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.610	-11.543	29.83000	.00000	47.50000	1.09383	-.98178	-.32619	.10403	.63389
47.740	-.201	29.83000	.00000	48.00000	1.09383	-.99234	-.33873	.10403	.63389
47.830	.000	29.83000	.00000	48.00000	1.09383	-.99234	-.36382	.10403	.65401
47.860	16.360	29.83000	.00000	48.00000	1.09383	-.99234	-.32619	.11889	.65401
47.800	22.684	29.83000	.00000	48.00000	1.10445	-.98178	-.32619	.11889	.66407
	GRADIENT	.00000	.00000	.00000	.00000	.00000	-.12499	.00000	.10025

ARC40X80-462(OA100) OV101 (JNA03G) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	5.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 36/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.580	-11.543	29.83000	5.00000	48.00000	1.13298	-.97891	-.11258	.22227	.74238
47.730	-.201	29.83000	5.00000	48.00000	1.09063	-.97891	-.07505	.23709	.73235
47.630	16.561	29.83000	5.00000	48.00000	1.10122	-.97891	-.10007	.23709	.73235
47.510	22.684	29.83000	5.00000	47.50000	1.09063	-.96838	-.10007	.22227	.73235
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA03H) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	10.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 37/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.700	-11.543	29.83000	10.00000	48.00000	1.09800	-.96555	-.02494	.25117	.81024
47.570	-.100	29.83000	10.00000	48.00000	1.08744	-.96555	-.01247	.26595	.80023
47.350	16.561	29.83000	10.00000	47.50000	1.07689	-.95506	-.04989	.25117	.80023
47.070	22.684	29.83000	10.00000	47.00000	1.07689	-.95506	-.01247	.25117	.79023
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(DECREASING BDFLAP) (JNA03I) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	10.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 38/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.810	-11.543	29.83000	10.00000	48.00000	1.09800	-.96555	-.02494	.26595	.80023
47.910	-.100	29.83000	10.00000	48.00000	1.09800	-.96555	-.01247	.26595	.80023
47.740	16.461	29.83000	10.00000	48.00000	1.09800	-.95506	-.03742	.25117	.81024
47.360	22.583	29.83000	10.00000	47.50000	1.09800	-.95506	-.03742	.25117	.79023
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (JNA03J) (16 MAR 82)

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 =	.3600						

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 39/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.330	-11.543	29.83000	15.00000	47.50000	1.10533	-.95228	-.03731	.20625	.82783
47.320	-.201	29.83000	15.00000	47.00000	1.09480	-.94181	-.03731	.19152	.82783
47.410	16.360	29.83000	15.00000	47.50000	1.09480	-.94181	-.02487	.22098	.83780
47.490	22.684	29.83000	15.00000	47.50000	1.08428	-.94181	-.04974	.19152	.82783
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (JNA03K) (16 MAR 82)

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 =	.3600						

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 40/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.330	-11.543	29.83000	20.00000	47.50000	1.10212	-.93908	-.18600	.14689	.74586
47.120	-.100	29.83000	20.00000	47.50000	1.09163	-.92864	-.17360	.16158	.74586
47.470	16.461	29.83000	20.00000	47.50000	1.10212	-.94951	-.13640	.14689	.74586
47.930	22.684	29.83000	20.00000	48.00000	1.12312	-.94951	-.17360	.14689	.77570
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (JNA03L) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	BDFLAP =	.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 41/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.750	.000	29.83000	.00000	48.00000	1.09383	-.97122	-.33873	.08917	.65401
47.510	25.180	29.83000	.00000	47.50000	1.08321	-.97122	-.36382	.08917	.62382
47.510	55.459	29.83000	.00000	47.50000	1.10445	-.96067	-.33873	.07431	.62382
47.360	87.628	29.83000	.00000	47.50000	1.11507	-.96067	-.35128	.10403	.65401
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (JNA03M) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	5.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	BDFLAP =	.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 42/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.450	-.039	29.83000	5.00000	48.00000	1.10122	-.95786	-.12509	.22227	.75242
47.560	25.179	29.83000	5.00000	48.00000	1.09063	-.95786	-.10007	.22227	.73235
47.560	55.459	29.83000	5.00000	48.00000	1.09063	-.96838	-.10007	.23709	.72232
47.540	87.629	29.83000	5.00000	48.00000	1.10122	-.94733	-.12509	.22227	.71229
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA03N) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	10.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	BDFLAP =	.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 43/ 0 GRADIENT !NTERVAL = -5.00/ 5.00

Q	SPDBRK	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.640	.039	29.83000	10.00000	48.00000	1.09800	-.96555	-.03742	.22162	.78023
47.530	25.141	29.83000	10.00000	48.00000	1.09800	-.94456	-.03742	.22162	.81024
47.100	55.545	29.83000	10.00000	47.50000	1.07689	-.96555	-.02494	.23640	.78023
47.680	87.677	29.83000	10.00000	48.00000	1.09800	-.95506	-.02494	.22162	.80023
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(DECREASING SPDBRK) (JNA030) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	10.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	BDFLAP =	.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 44/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.660	.079	29.83000	10.00000	48.00000	1.09800	-.95506	-.02494	.23640	.80023
47.720	25.139	29.83000	10.00000	48.00000	1.08744	-.96555	-.01247	.23640	.80023
47.360	55.545	29.83000	10.00000	48.00000	1.08744	-.95506	-.02494	.23640	.80023
47.610	87.677	29.83000	10.00000	48.00000	1.09800	-.95506	-.03742	.25117	.80023
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA03P) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	15.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	BDFLAP =	.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 48/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.660	-.079	29.86000	15.00000	48.50000	1.08428	.00000	-.02487	.20625	.81785
47.500	25.100	29.86000	15.00000	48.50000	1.08428	.00000	-.01244	.20625	.81785
47.520	55.329	29.86000	15.00000	48.50000	1.08428	.00000	-.01244	.23571	.82783
47.460	87.629	29.86000	15.00000	48.50000	1.07375	.00000	-.02487	.20625	.81785
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA03Q) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	20.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	BDFLAP =	.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 49/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.680	.040	29.86000	20.00000	49.50000	1.09163	.02087	-.14880	.16158	.74586
47.550	25.100	29.86000	20.00000	48.50000	1.09163	.00000	-.16120	.16158	.76575
47.520	55.415	29.86000	20.00000	49.00000	1.09163	.01043	-.13640	.16158	.74586
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (JNA03R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 101/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.490	-5.240	29.81000	-5.00000	47.50000	1.08640	.00000	-.60396	-.04472	.47429
47.690	-2.649	29.81000	-2.50000	47.50000	1.08480	.00000	-.42718	.04465	.58444
47.600	-.056	29.81000	.00000	47.50000	1.09321	.00000	-.23837	.11889	.67413
47.720	2.541	29.81000	2.50000	47.50000	1.08162	-.01054	-.13780	.17808	.72338
47.640	5.139	29.81000	5.00000	47.50000	1.08004	.01053	-.07505	.22227	.74238
47.850	7.739	29.81000	7.50000	48.50000	1.07846	-.01051	.00000	.23674	.82144
47.600	10.342	29.81000	10.00000	47.50000	1.07689	.01050	.00000	.23640	.82024
47.730	12.941	29.81000	12.50000	47.50000	1.08586	.00000	.00000	.23605	.81904
47.580	15.556	29.81000	15.00000	47.50000	1.08428	.00000	-.01244	.20625	.81785
47.500	18.180	29.81000	17.50000	47.50000	1.08270	.00000	-.06209	.19124	.78678
47.570	20.826	29.81000	20.00000	47.50000	1.08113	.01043	-.16120	.14689	.74586
46.010	26.006	29.81000	25.00000	50.50000	1.05707	.00000	-.40801	-.08788	.61479
	GRADIENT	.00000	.96343	-.00000	-.00061	-.00203	.05575	.02571	.02677

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (JNA03S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 102/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.510	-13.000	29.81000	.00000	47.50000	1.08321	.01056	-.57710	.29724	.24168
47.670	-10.000	29.81000	.00000	47.50000	1.11507	.00000	-.45164	.26751	.27166
47.610	-5.000	29.81000	.00000	47.50000	1.09383	.01056	-.36382	.17834	.47290
47.630	-2.000	29.81000	.00000	47.50000	1.09383	-.01056	-.31364	.13376	.62382
47.730	.000	29.81000	.00000	47.50000	1.08321	.00000	-.30110	.10403	.66407
47.580	2.000	29.81000	.00000	47.50000	1.08321	-.01056	-.25091	.13376	.72444
47.730	5.000	29.81000	.00000	47.50000	1.08321	-.01056	-.26346	.05945	.76469
47.630	10.000	29.81000	.00000	47.50000	1.08321	.00000	-.12546	.00000	.93574
47.590	15.000	29.81000	.00000	48.50000	1.08321	-.01056	-.06273	-.10403	1.07660
47.660	20.000	29.81000	.00000	47.50000	1.08321	.00000	-.05018	-.20806	1.23759
	GRADIENT	.00000	.00000	.00000	-.00128	-.00182	.01082	-.01025	.02862

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (JNA03T) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 103/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.560	-13.000	29.81000	5.00000	47.50000	1.09063	.00000	-.25018	.42973	.35113
47.650	-10.000	29.81000	5.00000	47.50000	1.10122	.00000	-.21265	.37046	.46148
47.600	-5.000	29.81000	5.00000	47.50000	1.08004	.00000	-.11258	.31118	.61197
47.660	-2.000	29.81000	5.00000	47.50000	1.09063	.00000	-.10007	.26673	.68219
47.650	.000	29.81000	5.00000	47.50000	1.08004	.02105	-.06254	.22227	.76245
47.620	2.000	29.81000	5.00000	47.50000	1.08004	.00000	-.03753	.19264	.82264
47.710	5.000	29.81000	5.00000	48.50000	1.08004	.00000	-.02502	.10373	.91293
47.750	10.000	29.81000	5.00000	48.50000	1.08004	.01053	.00000	-.01482	1.04335
47.650	15.000	29.81000	5.00000	48.50000	1.09063	.00000	-.01251	-.10373	1.15370
47.600	20.000	29.81000	5.00000	49.00000	1.08004	.01053	.00000	-.23709	1.27409
	GRADIENT	.00000	.00000	.08621	-.00037	.00000	.00971	-.02044	.03079

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (JNA03U) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 104/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.610	-13.000	29.81000	10.00000	49.00000	1.06633	.00000	-.04989	.51712	.48014
47.590	-10.000	29.81000	10.00000	48.50000	1.06633	.00000	-.02494	.45802	.55016
47.560	-5.000	29.81000	10.00000	47.50000	1.06633	.00000	.00000	.35460	.69020
47.520	-2.000	29.81000	10.00000	47.50000	1.06633	.00000	.00000	.29550	.78023
47.450	.000	29.81000	10.00000	47.50000	1.06633	.00000	.01247	.25117	.81024
47.610	2.000	29.81000	10.00000	47.50000	1.07689	.01050	.01247	.19207	.86025
47.660	5.000	29.81000	10.00000	48.50000	1.06633	.01050	.01247	.10342	.95028
47.470	10.000	29.81000	10.00000	47.50000	1.06633	.00000	.01247	-.01478	1.08031
47.600	15.000	29.81000	10.00000	48.50000	1.06633	.02099	.00000	-.14775	1.20035
47.630	20.000	29.81000	10.00000	47.50000	1.07689	.00000	-.03742	-.29550	1.28037
	GRADIENT	.00000	.00000	.08621	.00036	.00127	.00151	-.02528	.02518

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (JNA03V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 105/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.610	-13.000	29.81000	15.00000	47.50000	1.08428	.00000	.00000	.54508	.50866
47.680	-10.000	29.81000	15.00000	48.50000	1.08428	.00000	.01244	.47142	.56851
47.610	-5.000	29.81000	15.00000	48.50000	1.07375	.01046	.01244	.33884	.70814
47.520	-2.000	29.81000	15.00000	47.50000	1.07375	.01046	.00000	.26517	.77796
47.510	.000	29.81000	15.00000	47.50000	1.07375	.00000	-.01244	.20625	.82783
47.690	2.000	29.81000	15.00000	48.50000	1.07375	.00000	-.02487	.14732	.86772
47.650	5.000	29.81000	15.00000	49.00000	1.07375	.00000	-.03731	.05893	.93754
47.640	10.000	29.81000	15.00000	47.50000	1.08428	.01046	-.06218	-.07366	1.03727
47.540	15.000	29.81000	15.00000	47.50000	1.06322	.00000	-.13680	-.20625	1.13701
47.330	20.000	29.81000	15.00000	47.50000	1.06322	.01046	-.19898	-.39776	1.22678
	GRADIENT	.00000	.00000	.07759	.00000	-.00126	-.00515	-.02819	.02287

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (JNA03W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 106/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.510	-13.000	29.81000	20.00000	47.50000	1.08113	.02087	-.04960	.52881	.47735
47.660	-10.000	29.81000	20.00000	47.50000	1.11262	.01043	-.06200	.44068	.52708
47.540	-5.000	29.81000	20.00000	47.50000	1.07063	.00000	-.09920	.33785	.64642
47.630	-2.000	29.81000	20.00000	47.50000	1.07063	.01043	-.13640	.19096	.70608
47.540	.000	29.81000	20.00000	49.00000	1.09163	.00000	-.14880	.13220	.73592
47.670	2.000	29.81000	20.00000	48.50000	1.07063	.00000	-.16120	.07345	.79559
47.760	5.000	29.81000	20.00000	47.50000	1.07063	.00000	-.23560	-.04407	.86520
47.800	10.000	29.81000	20.00000	48.50000	1.08113	.00000	-.31000	-.24972	.95470
47.650	15.000	29.81000	20.00000	49.00000	1.06014	.00000	-.34720	-.41130	1.08399
47.520	20.000	29.81000	20.00000	47.50000	1.07063	.00000	-.48360	-.60226	1.15360
	GRADIENT	.00000	.00000	.03448	.00000	-.00036	-.01261	-.03698	.02195

ARC40X80-462(OA100) OV101 (JNA03X) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000

RUN NO. 88/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.710	-.075	29.82000	.00000	48.00000	1.07259	.00000	-.26346	.13376	.69426
47.670	10.320	29.82000	10.00000	48.00000	1.06633	.00000	.02494	.25117	.83024
47.790	15.535	29.82000	15.00000	48.00000	1.06322	.00000	.00000	.25044	.83780
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA03Y) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -15.000

RUN NO. 89/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.690	-.072	29.82000	.00000	48.00000	1.08197	.00000	-.25091	.13376	.68419
47.740	10.326	29.82000	10.00000	48.00000	1.06633	.00000	.03742	.28072	.83024
47.760	15.535	29.82000	15.00000	48.00000	1.06322	.00000	.00000	.23571	.84777
47.760	20.801	29.82000	20.00000	48.00000	1.04964	.00000	-.13640	.16158	.76575
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (JNA03Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 90/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.790	-.073	29.82000	.00000	48.00000	1.06197	-.01056	-.25091	.13376	.68419
47.600	5.118	29.82000	5.00000	48.00000	1.05886	.00000	-.05004	.26673	.78251
47.860	10.323	29.82000	10.00000	48.00000	1.06633	.00000	.02494	.26595	.82024
47.710	15.537	29.82000	15.00000	48.00000	1.06322	.00000	.01244	.25044	.84777
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (JNA04A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 91/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.650	-.074	29.82000	.00000	47.00000	1.05135	.00000	-.25091	.14862	.66407
47.790	5.119	29.82000	5.00000	48.00000	1.06945	.00000	-.07505	.25191	.79254
47.710	10.321	29.82000	10.00000	47.00000	1.06633	-.01050	.04989	.28072	.83024
47.710	15.535	29.82000	15.00000	47.00000	1.05270	.02093	.01244	.25044	.85775
47.720	20.804	29.82000	20.00000	48.00000	1.06014	.00000	-.13640	.17627	.75581
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA04B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	10.000

RUN NO. 92/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.670	-.074	29.82000	.00000	48.00000	1.06197	.00000	-.25091	.13376	.70432
47.690	5.119	29.82000	5.00000	47.00000	1.05886	.00000	-.02502	.26673	.79254
47.570	10.324	29.82000	10.00000	48.00000	1.06633	-.01050	.03742	.28072	.85025
47.720	15.537	29.82000	15.00000	48.00000	1.06322	.00000	.01244	.25044	.85775
47.780	20.801	29.82000	20.00000	48.00000	1.06014	.00000	-.09920	.17627	.78564
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA04C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	15.000

RUN NO. 93/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.680	-.073	29.82000	.00000	47.00000	1.06197	.00000	-.23837	.14862	.68419
47.710	5.118	29.82000	5.00000	47.00000	1.05886	.00000	-.03753	.28155	.77248
47.630	10.324	29.82000	10.00000	48.00000	1.04521	.01050	.04989	.28072	.84025
47.710	15.539	29.82000	15.00000	48.00000	1.06322	.00000	.01244	.25044	.85775
47.670	20.802	29.82000	20.00000	48.00000	1.04964	.00000	-.09920	.17627	.79559
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA04D) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	48.000	RUDDER =	19.500

RUN NO. 94/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.870	-.072	29.82000	.00000	48.00000	1.06197	.00000	-.23837	.13376	.71438
47.720	5.119	29.82000	5.00000	47.00000	1.05886	.00000	-.02502	.28155	.79254
47.720	10.322	29.82000	10.00000	47.00000	1.05577	.00000	.04989	.28072	.85025
47.720	15.534	29.82000	15.00000	48.00000	1.05270	.00000	.02487	.26517	.86772
47.660	20.804	29.82000	20.00000	47.00000	1.06014	.00000	-.08680	.19096	.80553
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA04E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 95/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.660	-.070	29.80000	.00000	47.50000	1.07259	.01056	-.23837	.07431	.75463
47.740	5.125	29.80000	5.00000	48.50000	1.06945	.00000	-.02502	.11855	.92296
47.800	10.327	29.80000	10.00000	48.50000	1.06633	.00000	.00000	.13298	.94027
47.730	15.538	29.80000	15.00000	48.50000	1.06322	-.01046	-.02487	.07366	.93754
47.720	20.789	29.80000	20.00000	47.50000	1.06014	.00000	-.22320	-.02938	.87515
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (JNA04F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BUFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 96/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.710	-.070	29.80000	.00000	48.50000	1.07259	.00000	-.18818	.08917	.74456
47.690	5.123	29.80000	5.00000	47.50000	1.05886	-.01053	-.02502	.11855	.91293
47.710	10.328	29.80000	10.00000	47.50000	1.05577	.01050	.01247	.13298	.94027
47.530	20.790	29.80000	20.00000	49.00000	1.06014	.00000	-.19840	-.02938	.87515
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (JNA04G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BUFLAP =	.000
SPDBRK =	55.000	RUDDER =	10.000

RUN NO. 97/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.610	-.071	29.80000	.00000	47.50000	1.08321	.00000	-.23837	.10403	.71438
47.710	5.122	29.80000	5.00000	48.50000	1.05886	.01053	-.02502	.14818	.91293
47.700	10.324	29.80000	10.00000	47.50000	1.06633	.00000	.01247	.13298	.92027
47.650	15.535	29.80000	15.00000	47.50000	1.05270	.01046	-.03731	.08839	.95748
47.590	20.784	29.80000	20.00000	47.50000	1.04984	.00000	-.24800	-.02938	.88509
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (JNA04H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	15.000

RUN NO. 98/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.610	-.072	29.80000	.00000	47.50000	1.06197	.00000	-.23837	.08917	.74456
47.660	5.123	29.80000	5.00000	47.50000	1.04827	.00000	-.01251	.13336	.91293
47.620	10.325	29.80000	10.00000	49.50000	1.04521	-.01050	.01247	.14775	.97028
47.620	15.537	29.80000	15.00000	49.50000	1.06322	.00000	-.03731	.08839	.95748
47.590	20.783	29.80000	20.00000	47.50000	1.07063	.00000	-.21080	.00000	.87515
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (JNA04I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	48.000	RUDDER =	19.500

RUN NO. 99/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.690	-.073	29.80000	.00000	47.50000	1.06197	.01056	-.23837	.10403	.75463
47.690	5.122	29.80000	5.00000	48.50000	1.04827	.00000	-.02502	.13336	.92296
47.750	10.321	29.80000	10.00000	47.50000	1.06633	.00000	.02494	.14775	.97028
47.610	15.534	29.80000	15.00000	47.50000	1.05270	.00000	-.03731	.08839	.93754
47.600	20.780	29.80000	20.00000	47.50000	1.04964	.00000	-.18600	.00000	.87515
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA04J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-22.500

RUN NO. 86/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.740	-.064	29.82000	.00000	48.00000	1.08321	.00000	-.23837	.13376	.67413
47.680	5.131	29.82000	5.00000	48.00000	1.06945	.00000	-.05004	.25191	.76245
47.780	10.334	29.82000	10.00000	48.00000	1.06633	.00000	.01247	.25117	.82024
47.680	15.544	29.82000	15.00000	47.00000	1.07375	.00000	.00000	.22098	.83780
47.710	20.747	29.82000	20.00000	48.00000	1.07063	.00000	-.14880	.17627	.77570
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA04K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-15.000

RUN NO. 87/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.720	-.058	29.82000	.00000	48.00000	1.07259	.01056	-.27600	.13376	.69426
47.690	5.133	29.82000	5.00000	48.00000	1.06945	.00000	-.06254	.23709	.75242
47.830	10.338	29.82000	10.00000	48.00000	1.06633	.00000	.02494	.28072	.82024
47.580	15.548	29.82000	15.00000	48.00000	1.06322	.00000	.00000	.22098	.83780
47.630	20.754	29.82000	20.00000	48.00000	1.06014	.01043	-.13640	.16158	.76575
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (JNA04L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	20.000	RUDDER =	3.000

RUN NO. 108/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.700	-.058	29.76000	.00000	47.50000	1.08321	-1.00289	-.22582	.11889	.67413
47.560	5.139	29.76000	5.00000	47.50000	1.08004	-.99996	-.05004	.20745	.79254
47.530	10.342	29.76000	10.00000	47.50000	1.07689	-1.01803	.00000	.22162	.83024
47.540	15.549	29.76000	15.00000	47.50000	1.07375	-.99413	-.01244	.20625	.81785
47.590	20.797	29.76000	20.00000	47.50000	1.08113	-.99125	-.18600	.14689	.73592
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (JNA04M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	20.000	RUDDER =	3.000

RUN NO. 109/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.500	-.051	29.76000	.00000	47.50000	1.08321	-1.00289	-.17564	.04459	.83512
47.670	5.143	29.76000	5.00000	47.50000	1.08004	-1.02101	-.01251	.07409	.95306
47.630	10.340	29.76000	10.00000	47.50000	1.07689	-1.00753	.02494	.08865	.97028
47.390	15.550	29.76000	15.00000	47.50000	1.07375	-1.00460	-.03731	.05893	.93754
47.870	20.795	29.76000	20.00000	47.50000	1.07063	-.99125	-.28520	-.07345	.85526
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR (JNA04N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	36.500	RUDDER =	-5.500

RUN NO. 110/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.530	-.041	29.76000	.00000	47.50000	1.06197	-1.02401	-.11291	-.04458	1.00617
47.710	5.146	29.76000	5.00000	47.50000	1.06945	-1.02101	.00000	-.04445	1.08348
47.580	10.344	29.76000	10.00000	47.00000	1.06633	-1.01803	.00000	-.05910	1.11032
47.720	15.577	29.76000	15.00000	47.50000	1.06322	-1.01506	-.07462	-.08839	1.02730
47.750	20.818	29.76000	20.00000	47.50000	1.07063	-1.01212	-.47120	-.35254	.98454
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR(FTP OFF) (JNA040) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 111/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.460	-.059	29.74000	.00000	46.50000	1.06197	-.98178	-.23837	.13376	.68419
47.410	5.135	29.74000	5.00000	46.50000	1.05886	-.97891	-.05004	.19264	.80258
47.690	10.339	29.74000	10.00000	47.50000	1.06633	-.97605	.02494	.23640	.85025
47.610	15.549	29.74000	15.00000	47.50000	1.06322	-.97321	.01244	.20625	.82783
47.740	20.797	29.74000	20.00000	49.50000	1.06014	-.97038	-.17360	.13220	.73592
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (JNA04P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 112/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.670	-.054	29.74000	.00000	49.50000	1.07259	-1.00289	-.13800	.07431	.85524
47.530	5.142	29.74000	5.00000	49.50000	1.06945	-.99943	.00000	.08891	.95306
47.610	10.342	29.74000	10.00000	46.50000	1.06633	-.98654	.02494	.08865	.99029
47.670	15.546	29.74000	15.00000	47.50000	1.05270	-.98367	-.06218	.05895	.93754
47.620	20.797	29.74000	20.00000	47.00000	1.05014	-.98082	-.23560	-.05876	.85526
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (JNA04Q) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 113/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.710	-.041	29.74000	.00000	49.50000	1.07259	-1.02401	-.08782	-.05945	1.04641
47.530	5.145	29.74000	5.00000	49.50000	1.05886	-.98943	.01251	-.05927	1.10354
47.670	10.345	29.74000	10.00000	49.50000	1.05577	-.98654	.01247	-.05910	1.11032
47.560	15.574	29.74000	15.00000	49.50000	1.05270	-.99413	-.07452	-.08839	1.05722
47.500	20.818	29.74000	20.00000	46.50000	1.04964	-.98082	-.39680	-.32316	.98454
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA04R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 115/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.390	-.065	29.76000	.00000	47.00000	1.09383	-.95011	-.27600	.10403	.69426
47.850	5.135	29.76000	5.00000	48.00000	1.09063	-.96838	-.07505	.22227	.76245
47.660	10.337	29.76000	10.00000	50.00000	1.07689	-.95506	.03742	.26595	.82024
47.250	15.545	29.76000	15.00000	47.00000	1.06322	-.93135	.00000	.22098	.81785
47.360	20.815	29.76000	20.00000	47.00000	1.08113	-.91821	-.14880	.14689	.73592
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA04S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 114/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.190	-.061	29.76000	.00000	47.00000	1.07259	-.93955	-.27600	.13376	.66407
47.530	5.135	29.76000	5.00000	50.00000	1.08004	-.94733	-.03753	.23709	.76245
47.510	10.334	29.76000	10.00000	47.00000	1.07689	-.94456	.01247	.26595	.81024
47.530	15.546	29.76000	15.00000	47.00000	1.09480	-.94181	-.01244	.22098	.81785
47.480	20.816	29.76000	20.00000	47.50000	1.08113	-.91821	-.16120	.14689	.74586
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA04T) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 116/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.580	-.062	29.76000	.00000	50.00000	1.08321	-.97122	-.26346	.10403	.66407
47.680	5.131	29.76000	5.00000	48.00000	1.08004	-.93680	-.06254	.25191	.74238
47.500	10.332	29.76000	10.00000	50.00000	1.06633	-.94456	.01247	.25117	.81024
47.710	15.543	29.76000	15.00000	50.00000	1.10533	-.95228	-.01244	.22098	.81785
47.370	20.815	29.76000	20.00000	47.00000	1.09163	-.92864	-.14880	.16158	.75581
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA04U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 117/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.680	-.065	29.76000	.00000	48.00000	1.08321	-.96067	-.28855	.10403	.65401
48.020	5.131	29.76000	5.00000	48.00000	1.09063	-.94733	-.06254	.25191	.75242
47.660	10.329	29.76000	10.00000	50.00000	1.07689	-.94456	.00000	.26595	.81024
47.470	15.544	29.76000	15.00000	50.00000	1.08428	-.93135	-.01244	.22098	.81785
47.650	20.806	29.76000	20.00000	50.00000	1.08113	-.92864	-.19840	.11751	.74586
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA04V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 118/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.560	-.067	29.76000	.00000	47.00000	1.08321	-.96067	-.28855	.10403	.64395
47.610	5.125	29.76000	5.00000	50.00000	1.08004	-.95786	-.05004	.26673	.75242
47.540	10.330	29.76000	10.00000	50.00000	1.06633	-.93407	.01247	.25117	.81024
47.740	15.540	29.76000	15.00000	48.00000	1.09480	-.95228	-.02487	.22098	.81785
47.530	20.806	29.76000	20.00000	50.00000	1.09163	-.93908	-.14880	.13220	.75581
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA04W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 119/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.790	-.054	29.80000	.00000	47.50000	1.08321	-.96067	-.18818	.08917	.79487
47.230	5.137	29.80000	5.00000	46.50000	1.08004	-.94733	-.02502	.11855	.91293
47.200	10.342	29.80000	10.00000	46.50000	1.06633	-.95506	.01247	.11820	.93027
47.330	15.548	29.80000	15.00000	46.50000	1.06322	-.94181	-.03731	.05893	.94751
47.770	20.799	29.80000	20.00000	47.50000	1.07063	-.94951	-.21080	-.04407	.87515
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA04X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 120/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.850	-.057	29.80000	.00000	47.50000	1.08321	-.96067	-.15055	.07431	.76469
47.610	5.138	29.80000	5.00000	47.50000	1.06945	-.94733	-.02502	.11855	.89287
47.510	10.337	29.80000	10.00000	49.50000	1.08744	-.94456	.02494	.11820	.93027
47.350	15.547	29.80000	15.00000	46.50000	1.06322	-.94181	.00000	.05893	.93754
47.530	20.801	29.80000	20.00000	48.50000	1.06014	-.93908	-.19840	-.01469	.85526
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA04Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 121/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.500	-.059	29.80000	.00000	49.50000	1.08321	-.95011	-.18818	.07431	.77475
47.460	5.138	29.80000	5.00000	46.50000	1.06945	-.96838	-.03753	.11855	.89287
47.440	10.331	29.80000	10.00000	46.50000	1.06633	-.94456	.02494	.10342	.93027
47.390	15.542	29.80000	15.00000	46.50000	1.07375	-.94181	-.03731	.07366	.93754
47.640	20.796	29.80000	20.00000	47.50000	1.07063	-.92864	-.18600	-.02938	.84531
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (JNA04Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 122/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.240	-.059	29.80000	.00000	46.50000	1.06197	-.95011	-.16309	.07431	.79487
47.510	5.131	29.80000	5.00000	49.50000	1.06945	-.94733	-.02502	.10373	.89287
47.360	10.331	29.80000	10.00000	46.50000	1.06633	-.944.6	.01247	.11820	.93027
47.540	15.545	29.80000	15.00000	49.50000	1.07375	-.96274	-.03731	.07366	.95748
47.560	20.799	29.80000	20.00000	47.50000	1.07063	-.91821	-.19840	-.01469	.86520
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (JNA05A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 123/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.490	-.069	29.83000	.00000	47.00000	1.07259	-.97122	-.18818	.08917	.77475
47.630	5.129	29.83000	5.00000	48.00000	1.05886	-.93680	-.02502	.11855	.90290
47.560	10.328	29.83000	10.00000	48.00000	1.05577	-.94456	.00000	.11820	.94027
47.570	15.536	29.83000	15.00000	48.00000	1.04217	-.93135	-.03731	.05893	.94751
47.670	20.792	29.83000	20.00000	47.00000	1.07063	-.92864	-.19840	-.01469	.86520
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA05B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 124/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.470	-.042	29.83000	.00000	48.00000	1.06197	-.95011	-.08782	-.01486	.94580
47.540	5.146	29.83000	5.00000	47.00000	1.05886	-.93680	.01251	.00000	1.05338
47.480	10.343	29.83000	10.00000	47.00000	1.05577	-.95506	-.01247	-.01478	1.07031
47.480	15.573	29.83000	15.00000	48.00000	1.05270	-.93135	-.07462	-.07366	1.05722
47.560	20.820	29.83000	20.00000	48.00000	1.06014	-.93908	-.34720	-.19096	.97459
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA05C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 125/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.480	-.044	29.83000	.00000	48.00000	1.06197	-.95011	-.10036	.00000	.92567
47.500	5.145	29.83000	5.00000	48.00000	1.05886	-.94733	-.01251	.00000	1.06341
47.380	10.345	29.83000	10.00000	47.00000	1.05577	-.92357	.01247	-.02955	1.06031
47.500	15.568	29.83000	15.00000	47.00000	1.05270	-.94181	-.07462	-.07366	1.04725
47.380	20.824	29.83000	20.00000	47.00000	1.04964	-.92864	-.29760	-.17627	.98454
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA05D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 126/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.500	-.047	29.83000	.00000	47.00000	1.06197	-.93955	-.07527	-.01486	.94580
47.460	5.143	29.83000	5.00000	48.00000	1.06945	-.94733	.00000	.00000	1.03332
47.430	10.341	29.83000	10.00000	47.00000	1.05577	-.95506	.02494	-.01478	1.09032
47.520	15.569	29.83000	15.00000	47.00000	1.05270	-.95228	-.07462	-.07366	1.04725
47.540	20.821	29.83000	20.00000	47.00000	1.08113	-.93908	-.26040	-.17627	.97459
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA05E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 127/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.540	-.046	29.83000	.00000	47.00000	1.06197	-.95011	-.08782	.00000	.93574
47.480	5.142	29.83000	5.00000	47.50000	1.06945	-.95786	.00000	.00000	1.05338
47.470	10.340	29.83000	10.00000	47.00000	1.04521	-.94456	.00000	-.01478	1.08031
47.540	15.567	29.83000	15.00000	48.00000	1.05270	-.95228	-.08705	-.07366	1.04725
47.630	20.816	29.83000	20.00000	48.00000	1.07063	-.94951	-.24800	-.16158	.96465
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA05F) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 22.500

RUN NO. 128/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.670	-.050	29.83000	.00000	47.00000	1.07219	-.96067	-.10036	.00000	.95586
47.620	5.140	29.83000	5.00000	47.00000	1.05886	-.95786	.00000	.00000	1.06341
47.640	10.336	29.83000	10.00000	47.50000	1.06633	-.95506	.00000	-.01478	1.08031
47.690	15.561	29.83000	15.00000	47.00000	1.06322	-.96274	-.07462	-.07366	1.05722
47.600	20.816	29.83000	20.00000	47.00000	1.04964	-.94951	-.29760	-.20565	.97459
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA05G) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.000 RUDDER = .000

RUN NO. 129/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.710	-.096	29.79000	.00000	47.50000	1.07259	-.98178	-.91583	.10403	.00000
47.550	5.092	29.79000	5.00000	47.50000	1.05886	-.96838	-.92566	.14818	.00000
47.900	10.298	29.79000	10.00000	48.00000	1.06633	-.96555	-.89801	.19207	.00000
47.460	15.507	29.79000	15.00000	47.50000	1.05270	-.95228	-.87052	.20625	.00000
47.690	20.773	29.79000	20.00000	47.50000	1.08113	-.95995	-.80600	.24972	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (JNA05H) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 130/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.410	-.095	29.79000	.00000	47.50000	1.06197	-.98178	-.94092	.14862	.00000
47.580	5.091	29.79000	5.00000	47.50000	1.05886	-.94733	-.92566	.14818	.00000
47.720	10.298	29.79000	10.00000	48.00000	1.06633	-.96555	-.84812	.17730	.00000
47.330	15.509	29.79000	15.00000	47.50000	1.04217	-.95228	-.84565	.22098	.00000
47.700	20.773	29.79000	20.00000	47.50000	1.06014	-.94951	-.83080	.26441	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (JNA05I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 131/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.640	-.095	29.79000	.00000	48.50000	1.06197	-.97122	-.91583	.14862	.00000
47.560	5.091	29.79000	5.00000	47.50000	1.05886	-.97891	-.90064	.14818	.01003
47.370	10.296	29.79000	10.00000	47.50000	1.05577	-.95506	-.88554	.17730	.00000
47.640	15.503	29.79000	15.00000	48.50000	1.05270	-.97321	-.85809	.22098	.00000
47.580	20.768	29.79000	20.00000	47.50000	1.06014	-.94951	-.80600	.26441	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA05J) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 132/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.510	-.098	29.79000	.00000	47.50000	1.06197	-.97122	-.92838	.11889	.00000
47.620	5.091	29.79000	5.00000	47.50000	1.04827	-.97891	-.91315	.14818	.00000
47.760	10.298	29.79000	10.00000	47.50000	1.06633	-.97605	-.89801	.17730	.00000
47.780	15.506	29.79000	15.00000	48.50000	1.05270	-.97321	-.84565	.22098	.00000
47.810	20.777	29.79000	20.00000	48.50000	1.04964	-.95995	-.81840	.26441	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA05K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 133/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.730	-.095	29.79000	.00000	48.00000	1.06197	-.98178	-.91583	.13376	.01006
47.660	5.099	29.79000	5.00000	47.50000	1.05886	-.97891	-.92566	.14818	.01003
47.700	10.298	29.79000	10.00000	47.50000	1.05577	-.97605	-.89554	.17730	.00000
47.620	15.505	29.79000	15.00000	47.50000	1.04217	-.97321	-.83321	.17678	.00000
47.490	20.756	29.79000	20.00000	47.50000	1.03914	-.95995	-.83080	.22034	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (JNA05L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 134/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.590	-.091	29.79000	.00000	48.50000	1.06197	-.98178	-.92838	.14862	.01006
47.640	5.094	29.79000	5.00000	47.50000	1.04827	-.98943	-.91315	.16300	.01003
47.660	10.298	29.79000	10.00000	47.50000	1.04521	-.98654	-.89801	.17730	.01000
47.490	15.508	29.79000	15.00000	47.50000	1.04217	-.97321	-.83321	.19152	.00997
47.850	20.751	29.79000	20.00000	48.50000	1.04964	-.97038	-.80600	.23503	.00994
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (JNA05M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 135/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.760	-.097	29.79000	.00000	48.00000	1.06197	-1.00289	-.89074	.11889	.01006
47.690	5.094	29.79000	5.00000	47.50000	1.03769	-.97891	-.90064	.16300	.02006
47.450	10.299	29.79000	10.00000	47.50000	1.05577	-.98654	-.84812	.17730	.01000
47.500	15.507	29.79000	15.00000	47.50000	1.03164	-.98367	-.83321	.19152	.00997
47.670	20.759	29.79000	20.00000	47.50000	1.03914	-.97038	-.81840	.23503	.01989
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (JNA05N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 136/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.760	-.094	29.79000	.00000	47.50000	1.06197	-.99234	-.91583	.13376	.02012
47.380	5.095	29.79000	5.00000	47.50000	1.03769	-.98943	-.87562	.16300	.01003
47.450	10.299	29.79000	10.00000	47.50000	1.03465	-.98654	-.87307	.16252	.01000
47.670	15.508	29.79000	15.00000	47.50000	1.04217	-.98367	-.84565	.20625	.01995
47.530	20.755	29.79000	20.00000	47.50000	1.03914	-.97038	-.80600	.23503	.01989
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (JNA050) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 137/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.810	-.077	29.80000	.00000	48.50000	1.08321	-.95011	-.95347	.10403	-.01006
47.530	5.108	29.80000	5.00000	48.00000	1.06945	-.94733	-.92566	.10373	.00000
47.750	10.306	29.80000	10.00000	48.00000	1.06633	-.96555	-.92295	.13298	.00000
47.630	15.529	29.80000	15.00000	48.00000	1.06322	-.95228	-.85809	.17678	.00000
47.330	20.781	29.80000	20.00000	48.00000	1.07063	-.92864	-.89280	.19096	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA05P) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 138/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.520	-.078	29.80000	.00000	48.50000	1.07259	-.95011	-.94092	.08917	.00000
47.860	5.110	29.80000	5.00000	48.50000	1.06945	-.94733	-.96318	.11855	.00000
47.790	10.307	29.80000	10.00000	48.50000	1.06633	-.94456	-.93543	.13298	.00000
47.490	15.529	29.80000	15.00000	48.00000	1.05270	-.96274	-.87052	.17678	.00000
47.890	20.777	29.80000	20.00000	49.00000	1.07063	-.94951	-.89280	.20565	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA05Q) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 139/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.450	-.080	29.80000	.00000	49.00000	1.07259	-.97122	-.95347	.10403	.00000
47.430	5.109	29.80000	5.00000	49.50000	1.06945	-.95786	-.91315	.10373	.00000
47.410	10.307	29.80000	10.00000	48.00000	1.06633	-.95506	-.91048	.13298	.00000
47.370	15.529	29.80000	15.00000	48.00000	1.06322	-.95228	-.89540	.17678	.00000
47.210	20.780	29.80000	20.00000	48.00000	1.04964	-.93908	-.86800	.16158	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA05R) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 140/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.560	-.078	29.80000	.00000	48.00000	1.06197	-.96067	-.94092	.10403	.02012
47.130	5.110	29.80000	5.00000	48.00000	1.05086	-.95786	-.92566	.11855	.00000
47.600	10.309	29.80000	10.00000	48.00000	1.05577	-.96555	-.91048	.14775	-.01000
47.540	15.526	29.80000	15.00000	48.00000	1.06322	-.96274	-.88296	.17678	.00997
47.910	20.778	29.80000	20.00000	49.00000	1.08113	-.93908	-.89280	.19096	.01989
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA05S) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000

RUN NO. 141/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	RUDDER	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.240	-22.907	29.80000	10.00000	48.00000	1.05577	-.96555	-.84812	.16252	.01000
47.740	-15.162	29.80000	10.00000	48.00000	1.06633	-.97605	-.84812	.19207	.02001
47.530	-10.072	29.80000	10.00000	48.00000	1.06633	-.95506	-.84812	.17730	.02001
47.600	-5.054	29.80000	10.00000	48.00000	1.05577	-.98654	-.87307	.17730	.02001
47.530	.043	29.80000	10.00000	49.00000	1.05577	-.96555	-.84812	.20685	.00000
47.640	5.082	29.80000	10.00000	48.00000	1.05577	-.96555	-.86059	.17730	.02001
47.570	10.140	29.80000	10.00000	48.50000	1.06633	-.96555	-.86059	.19207	.01000
47.570	14.990	29.80000	10.00000	48.00000	1.06633	-.95506	-.86059	.17730	.01000
47.430	22.915	29.80000	10.00000	48.00000	1.05577	-.97605	-.83565	.20685	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA05T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 142/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.510	5.150	29.80000	5.00000	.00000	-.05273	.15726	.18689	.07380	.00000
47.650	10.351	29.80000	10.00000	2.00000	-.05258	.00000	.31058	.29433	.00000
47.420	15.562	29.80000	15.00000	.00000	-.05243	.10423	.43355	.36685	.00000
47.540	20.810	29.80000	20.00000	2.00000	.15683	.20786	.49405	.51210	-.04953
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA05U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 143/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.620	-.035	29.80000	.00000	2.00000	-.05289	.05257	-.12496	-.22204	.00000
47.660	5.154	29.80000	5.00000	.00000	-.05273	.15726	.00000	-.07380	.04996
47.870	10.354	29.80000	10.00000	.00000	.00000	.05227	.12423	.00000	.09963
47.280	15.576	29.80000	15.00000	-1.00000	-.05243	.05212	.30968	.07337	.00000
47.740	20.824	29.80000	20.00000	.00000	.05228	.15590	.30878	.14631	-.04953
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA05V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 144/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.650	-.044	29.80000	.00000	.00000	.00000	.15772	.06248	-.22204	-.05011
47.530	5.147	29.80000	5.00000	.00000	-.05273	.05242	.00000	-.22139	-.04996
47.640	10.349	29.80000	10.00000	.00000	.00000	.15681	.12423	.00000	.00000
47.920	15.574	29.80000	15.00000	.00000	.00000	.10423	.18591	.14674	.00000
47.210	20.816	29.80000	20.00000	2.00000	-.05228	.15590	.30878	.29263	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (JNA05W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 145/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.450	-.089	29.84000	.00000	47.00000	1.06197	-.96067	-1.01620	.01486	.00000
47.710	5.097	29.84000	5.00000	47.00000	1.06945	-.97891	-.88813	.14818	-.01003
47.790	10.302	29.84000	10.00000	47.00000	1.06633	-.97605	-.77329	.25117	-.01000
47.640	15.510	29.84000	15.00000	50.00000	1.06322	-.98367	-.60937	.39776	-.00997
47.680	20.754	29.84000	20.00000	50.00000	1.07063	-.98082	-.44640	.55819	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (JNA05X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 146/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.630	-.087	29.84000	.00000	47.50000	1.08321	-.98178	-1.02874	.00000	.00000
47.570	5.102	29.84000	5.00000	50.00000	1.06945	-.96838	-.88813	.14818	-.01003
47.600	10.304	29.84000	10.00000	50.00000	1.06633	-.97605	-.76081	.31027	-.01000
47.600	15.506	29.84000	15.00000	47.00000	1.06322	-.95228	-.62180	.39776	-.00997
47.810	20.751	29.84000	20.00000	50.00000	1.07063	-.97038	-.52080	.52881	-.00994
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (JNA05Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 147/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.690	-.073	29.84000	.00000	48.00000	1.08321	-.98178	-1.02874	-.01486	-.01006
47.470	5.110	29.84000	5.00000	50.00000	1.09004	-.96838	-.90064	.11855	.00000
47.620	10.303	29.84000	10.00000	48.00000	1.05577	-.95506	-.77329	.25117	-.01000
47.590	15.537	29.84000	15.00000	47.00000	1.06322	-.97321	-.63424	.36830	-.00997
47.460	20.779	29.84000	20.00000	50.00000	1.06014	-.95995	-.53320	.51412	-.00994
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP,ADS OFF) (JNA05Z) (16 MAR 82)

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 =	.3600					

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 148/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.710	-.050	29.85000	.00000	50.00000	1.08321	-1.00289	-1.06638	-.01486	.00000
47.510	5.148	29.85000	5.00000	50.00000	1.08004	-.98943	-.88813	.14818	.00000
47.730	10.347	29.85000	10.00000	48.00000	1.07689	-.99704	-.76081	.32505	-.01000
47.530	15.559	29.85000	15.00000	47.50000	1.07375	-.98367	-.63424	.41249	.00000
47.600	20.802	29.85000	20.00000	47.50000	1.09163	-.95995	-.49600	.55819	-.00994
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP,ADS OFF) (JNA06A) (16 MAR 82)

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 =	.3600					

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 149/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.470	-.047	29.90000	.00000	48.00000	1.07259	-.95011	-1.06638	-.01486	.00000
47.600	5.147	29.90000	5.00000	48.00000	1.06945	-.92628	-.92566	.10373	.00000
47.470	10.342	29.90000	10.00000	48.00000	1.05577	-.94456	-.79823	.25117	.00000
47.480	15.552	29.90000	15.00000	48.00000	1.06322	-.94181	-.69642	.36030	.00000
47.520	20.802	29.90000	20.00000	48.50000	1.08113	-.91821	-.53320	.52881	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP,ADS OFF) (JNA06B) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	10.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 150/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.500	-.037	29.90000	.00000	48.50000	1.06197	-.95011	-1.06638	-.02972	.01006
47.210	5.149	29.90000	5.00000	47.50000	1.05886	-.94733	-.95058	.07409	.00000
47.360	10.344	29.90000	10.00000	48.00000	1.05577	-.94456	-.81070	.23640	.00000
47.620	15.575	29.90000	15.00000	48.50000	1.06322	-.94181	-.69642	.38303	.00997
47.570	20.823	29.90000	20.00000	48.50000	1.06014	-.93908	-.54560	.51412	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (JNA06C) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 151/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.680	-.056	29.90000	.00000	48.00000	1.08321	-.96067	-1.10401	-.05945	.00000
47.610	5.140	29.90000	5.00000	48.50000	1.06945	-.95786	-1.03824	.01482	.02006
47.670	10.340	29.90000	10.00000	48.50000	1.06633	-.95506	-.98532	.08865	.01000
47.610	15.551	29.90000	15.00000	48.00000	1.06322	-.94181	-.93270	.13259	.00997
47.690	20.824	29.90000	20.00000	48.00000	1.07063	-.94951	-.86800	.16158	.00994
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (JNA06D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 152/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.560	-.057	29.90000	.00000	48.50000	1.07259	-.97122	-1.10401	-.08917	.01006
47.720	5.140	29.90000	5.00000	48.50000	1.06945	-.95786	-1.03824	.00000	.01003
47.480	10.340	29.90000	10.00000	48.00000	1.06633	-.95506	-.96037	.07387	.01000
47.580	15.556	29.90000	15.00000	48.00000	1.06322	-.95228	-.93270	.11786	.00997
47.660	20.824	29.90000	20.00000	48.00000	1.07063	-.93908	-.88040	.16158	.00994
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (JNA06E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 153/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.620	-.054	29.90000	.00000	48.00000	1.07259	-.96067	-1.11656	-.07431	.00000
47.720	5.139	29.90000	5.00000	48.00000	1.06945	-.96838	-1.03824	.00000	.00000
47.540	10.338	29.90000	10.00000	48.00000	1.06633	-.95506	-.98532	.04432	.00000
47.750	15.553	29.90000	15.00000	48.00000	1.07375	-.96274	-.95758	.11786	.00000
47.610	20.822	29.90000	20.00000	48.00000	1.06014	-.94951	-.90520	.14689	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (JNA06F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	15.000

RUN NO. 154/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.520	-.056	29.90000	.00000	48.00000	1.06197	-.96067	-1.14165	-.05945	.00000
47.620	5.138	29.90000	5.00000	48.00000	1.06945	-.97891	-1.05075	-.02964	.00000
47.750	10.338	29.90000	10.00000	48.50000	1.06633	-.95506	-.98532	.07387	-.01000
47.570	15.550	29.90000	15.00000	48.00000	1.05270	-.96274	-.93270	.10312	.00000
47.610	20.822	29.90000	20.00000	48.00000	1.06014	-.94951	-.89280	.14689	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (JNA06G) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	20.500

RUN NO. 155/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.510	-.061	29.90000	.00000	48.00000	1.06197	-.97122	-1.11656	-.10403	.00000
47.600	5.135	29.90000	5.00000	48.00000	1.05886	-.94733	-1.03824	.00000	.00000
47.580	10.335	29.90000	10.00000	48.00000	1.05577	-.95506	-.99779	.05910	.00000
47.680	15.550	29.90000	15.00000	48.00000	1.06322	-.95228	-.92027	.10312	.00000
47.440	20.819	29.90000	20.00000	47.50000	1.04964	-.94951	-.91760	.14689	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (JNA06H) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	5.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 156/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.640	-.047	29.90000	.00000	48.00000	1.06197	-.97122	-1.12911	-.08917	.00000
47.700	5.147	29.90000	5.00000	48.00000	1.05886	-.96838	-1.06326	.00000	.00000
47.530	10.343	29.90000	10.00000	48.00000	1.05577	-.95506	-.99779	.02955	-.01000
47.460	15.556	29.90000	15.00000	48.00000	1.05270	-.96274	-.93270	.10312	.00997
47.670	20.810	29.90000	20.00000	48.00000	1.04954	-.93908	-.90520	.14689	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (JNA06I) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	5.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	.000	RUDDER =	5.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 157/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.530	-.050	29.90000	.00000	48.00000	1.05135	-.96067	-1.12911	-.07431	.00000
47.550	5.145	29.90000	.00000	48.00000	1.06197	-.98178	-1.07892	-.02972	.00000
47.470	10.342	29.90000	10.00000	48.00000	1.05577	-.96555	-.99779	.04432	.00000
47.480	15.554	29.90000	15.00000	48.00000	1.04217	-.96274	-.93270	.10312	.00997
47.650	20.806	29.90000	20.00000	48.00000	1.09163	-.93908	-.93000	.14689	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (JNA06J) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO			BETA =	5.000	ELEVON =	.000
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO			AILRON =	.000	BDFLAP =	.000
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO			SPDBRK =	.000	RUDDER =	10.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 158/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.460	-.051	29.90000	.00000	47.50000	1.06197	-.98178	-1.12911	-.07431	.01006
47.530	5.145	29.90000	5.00000	47.50000	1.04827	-.97891	-1.05075	.00000	.01003
47.310	10.341	29.90000	10.00000	47.50000	1.04521	-.97605	-.99779	.07387	.01000
47.450	15.583	29.90000	15.00000	48.00000	1.04217	-.98367	-.92027	.08839	.01995
47.870	20.783	29.90000	20.00000	48.00000	1.06014	-.97038	-.91760	.14689	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (JNA06K) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO			BETA =	5.000	ELEVON =	.000
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO			AILRON =	.000	BDFLAP =	.000
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO			SPDBRK =	.000	RUDDER =	15.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 159/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.480	-.055	29.90000	.00000	48.00000	1.06197	-.98178	-1.14165	-.08917	.01006
47.690	5.140	29.90000	5.00000	48.00000	1.05886	-.98943	-1.05075	.00000	.01003
47.600	10.326	29.90000	10.00000	47.50000	1.05577	-.98654	-.98532	.07387	.01000
47.680	15.549	29.90000	15.00000	48.00000	1.04217	-.97321	-.94514	.10312	.00997
47.830	20.785	29.90000	20.00000	48.50000	1.04964	-.97038	-.89280	.14689	.01989
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (JNA06L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	20.500

RUN NO. 160/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.360	-.050	29.90000	.00000	48.00000	1.05135	-.98178	-1.11656	-.07431	.01006
47.530	5.141	29.90000	5.00000	48.00000	1.05886	-.97891	-1.06326	.00000	.01003
47.680	10.336	29.90000	10.00000	48.00000	1.05577	-.98654	-.99779	.04432	.01000
47.630	15.547	29.90000	15.00000	48.00000	1.05270	-.98367	-.95758	.11786	.00997
47.440	20.800	29.90000	20.00000	48.00000	1.04964	-.97038	-.91760	.14689	.00994
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA06M) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 161/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.610	-.038	29.85000	.00000	47.50000	1.07259	-.97122	-1.15420	-.13376	.00000
47.540	5.151	29.85000	5.00000	47.50000	1.06945	-.96838	-1.07576	-.05927	.00000
47.550	10.352	29.85000	10.00000	47.50000	1.05577	-.96555	-1.03521	.00000	.00000
47.970	15.573	29.85000	15.00000	48.00000	1.06322	-.95228	-1.00732	.07366	-.00997
47.730	20.823	29.85000	20.00000	48.00000	1.10212	-.94951	-.91760	.11751	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA06N) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 162/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.570	-.037	29.85000	.00000	47.50000	1.06197	-.97122	-1.16674	-.13376	.00000
47.700	5.151	29.85000	5.00000	48.00000	1.05886	-.97891	-1.07576	-.05927	-.01003
47.440	10.349	29.85000	10.00000	47.50000	1.06633	-.96555	-1.02273	.04432	.00000
47.630	15.572	29.85000	15.00000	48.00000	1.06322	-.96274	-.98245	.08839	-.00997
47.520	20.823	29.85000	20.00000	48.00000	1.08113	-.93908	-.94240	.11751	-.00994
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA060) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 163/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.640	5.150	29.85000	5.00000	48.00000	1.06945	-.96838	-1.11329	-.07409	.00000
47.480	10.348	29.85000	10.00000	48.00000	1.05577	-.95506	-1.02273	.00000	.00000
47.500	15.575	29.85000	15.00000	47.50000	1.05270	-.96274	-.98245	.08839	.00000
47.740	20.820	29.85000	20.00000	48.00000	1.08113	-.95995	-.93000	.11751	-.00994
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA06P) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO			PARAMETRIC DATA			
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO			BETA =	10.000	ELEVON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO			AILRON =	.000	BDFLAP =	.000
SCALE =	.3600							SPDBRK =	.000	RUDDER =	15.000

RUN NO. 164/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.630	-.040	29.85000	.00000	48.00000	1.07259	-.96067	-1.17929	-.13376	.00000
47.450	5.148	29.85000	5.00000	47.50000	1.05886	-.96838	-1.07576	-.07409	.00000
47.590	10.346	29.85000	10.00000	47.50000	1.06633	-.96555	-1.02273	.02955	-.01000
47.510	15.566	29.85000	15.00000	48.00000	1.05270	-.96274	-.98245	.05893	-.00997
47.820	20.818	29.85000	20.00000	48.00000	1.07063	-.94951	-.95480	.11751	-.00994
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA06Q) (15 APR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO			PARAMETRIC DATA			
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO			BETA =	10.000	ELEVON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO			AILRON =	.000	BDFLAP =	.000
SCALE =	.3600							SPDBRK =	.000	RUDDER =	20.500

RUN NO. 165/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.640	-.043	29.85000	.00000	48.00000	1.07259	-.98178	-1.16674	-.13376	.00000
47.600	5.147	29.85000	5.00000	48.00000	1.06945	-.97891	-1.10078	-.07409	-.01003
47.570	10.342	29.85000	10.00000	47.50000	1.05577	-.97605	-1.03521	.02955	-.01000
47.760	15.561	29.85000	15.00000	48.00000	1.06322	-.98367	-.97001	.08839	-.00997
47.670	20.817	29.85000	20.00000	48.00000	1.04964	-.95995	-.94240	.10282	-.00994
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (JNA06R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 167/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.470	-5.243	29.85000	-5.00000	47.00000	1.06510	-1.00585	-1.20793	-.13415	.00000
47.570	-2.651	29.85000	-2.50000	47.50000	1.07417	-1.00437	-1.16846	-.13395	.00000
47.600	-.058	29.85000	.00000	47.50000	1.06197	-1.00289	-1.14165	-.07431	.00000
47.550	2.540	29.85000	2.50000	47.50000	1.06042	-1.00142	-1.08987	.00000	.00000
47.580	5.139	29.85000	5.00000	47.50000	1.05886	-1.01048	-1.02573	.01482	.00000
47.810	7.739	29.85000	7.50000	47.50000	1.05731	-1.00901	-1.02423	.04439	.00000
47.630	10.342	29.85000	10.00000	47.00000	1.06633	-.99704	-.98532	.05910	.00000
47.580	11.379	29.85000	11.00000	47.50000	1.05515	-1.00694	-.97228	.07383	.00000
47.690	12.421	29.85000	12.00000	47.50000	1.05454	-.98539	-.95925	.10330	-.00999
47.670	13.462	29.85000	13.00000	47.50000	1.05382	-.99529	-.94624	.10324	.00000
47.600	14.505	29.85000	14.00000	47.00000	1.05331	-.97377	-.93325	.11792	.00000
47.680	15.549	29.85000	15.00000	47.00000	1.06322	-.98367	-.94514	.13259	.00000
47.520	16.601	29.85000	16.00000	47.50000	1.06260	-1.00401	-.93216	.14723	-.00997
47.620	17.651	29.85000	17.00000	47.50000	1.06199	-.99298	-.90678	.14715	-.00996
47.520	18.708	29.85000	18.00000	47.50000	1.05086	-.99240	-.93108	.14706	-.00996
47.490	19.768	29.85000	19.00000	47.50000	1.06075	-.99182	-.89332	.14698	-.00995
47.660	20.817	29.85000	20.00000	47.50000	1.06014	-.99125	-.90520	.19096	.00000
	GRADIENT	.00000	.96321	.00000	-.00265	.00057	.01514	.02581	.00000

ARC40X80-462(OA100) OV101(AD6 OFF) (JNA06S) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 47/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.360	-5.233	29.88000	-5.00000	98.00000	1.08199	-.00535	-.76311	.08287	.23461
94.320	-2.640	29.88000	-2.50000	98.00000	1.06963	-.00534	-.53339	.16549	.36667
94.430	-.047	29.88000	.00000	98.50000	1.06805	-.02134	-.34872	.21031	.49834
94.430	2.550	29.88000	2.50000	98.00000	1.06647	-.00533	-.20259	.29250	.58392
94.430	5.148	29.88000	5.00000	98.00000	1.06490	-.00532	-.08218	.35946	.60334
94.320	7.747	29.88000	7.50000	98.00000	1.05264	-.00531	-.02525	.38137	.64295
94.550	10.348	29.88000	10.00000	98.00000	1.05110	.00000	.00630	.38081	.68244
94.320	11.396	29.88000	11.00000	98.00000	1.03981	-.00530	.01890	.39551	.69215
94.410	12.437	29.88000	12.00000	97.50000	1.04453	.00000	.03777	.41019	.68164
94.660	13.479	29.88000	13.00000	98.50000	1.04924	.00000	.04404	.41740	.69638
94.570	14.522	29.88000	14.00000	98.00000	1.04863	-.01058	.01886	.40226	.70606
94.550	15.570	29.88000	15.00000	98.50000	1.03737	-.00529	.02514	.37969	.70060
94.360	16.617	29.88000	16.00000	98.00000	1.05803	-.00529	.01884	.37946	.70523
94.270	17.676	29.88000	17.00000	98.00000	1.03616	.00000	.00000	.37924	.69978
94.500	18.727	29.88000	18.00000	98.50000	1.04086	-.00528	-.01882	.37159	.69434
94.570	19.777	29.88000	19.00000	98.50000	1.04025	.00000	-.02508	.36394	.66879
94.590	20.820	29.88000	20.00000	98.50000	1.03434	-.00527	-.05266	.35631	.64327
94.340	21.861	29.88000	21.00000	98.50000	1.02843	.00000	-.09394	.34126	.64792
	GRADIENT	-.00000	.96341	-.00007	-.00061	.00001	.06375	.02447	.04186

ARC40X80-462(OA100) OV101(ADS OFF) (JNA06T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 168/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.490	-5.236	29.84000	-5.00000	47.00000	1.06510	-1.01644	-1.19534	-.14906	.00000
47.640	-2.648	29.84000	-2.50000	47.00000	1.06353	-1.00437	-1.15590	-.11907	.00000
47.650	-.056	29.84000	.00000	47.00000	1.06197	-1.01345	-1.12911	-.07431	-.01006
47.620	2.539	29.84000	2.50000	47.00000	1.06042	-.98034	-1.08987	-.02968	.00000
47.610	5.139	29.84000	.00000	47.00000	1.06197	-1.00289	-1.06638	.00000	.00000
47.580	7.739	29.84000	7.50000	47.00000	1.05731	-.99850	-1.01174	.04439	.00000
47.630	10.339	29.84000	10.00000	47.00000	1.05577	-.99704	-.97284	.05910	-.01000
47.580	11.382	29.84000	11.00000	47.00000	1.06571	-.99646	-.97228	.08860	-.01000
47.620	12.421	29.84000	12.00000	47.00000	1.05454	-.99588	-.97171	.11806	-.00999
47.510	13.462	29.84000	13.00000	46.00000	1.05392	-.98482	-.94624	.11799	.00000
47.530	14.508	29.84000	14.00000	47.00000	1.05331	-.98424	-.94569	.11792	-.00998
47.560	15.551	29.84000	15.00000	47.00000	1.06322	-.98367	-.93270	.14732	.00000
47.730	16.598	29.84000	16.00000	47.00000	1.06260	-.99356	-.94459	.14723	-.00997
47.530	17.653	29.84000	17.00000	47.00000	1.06199	-.97207	-.93162	.14715	-.00996
47.600	18.709	29.84000	18.00000	47.00000	1.07188	-.96106	-.90625	.16177	-.00996
47.740	19.762	29.84000	19.00000	47.00000	1.07126	-.98139	-.90572	.17637	-.00995
47.450	20.817	29.84000	20.00000	47.00000	1.06014	-.97038	-.88040	.17627	.00000
	GRADIENT	-.00000	.96391	-.00000	-.00060	.00463	.01273	.01723	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA06U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 169/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.530	-5.219	29.84000	-5.00000	47.00000	1.06510	-.99526	-1.22051	-.16396	.00000
47.640	-2.630	29.84000	-2.50000	47.00000	1.07417	-1.00437	-1.20615	-.14884	-.01008
47.640	-.041	29.84000	.00000	47.00000	1.06197	-1.00289	-1.16674	-.11889	.00000
47.710	2.553	29.84000	2.50000	47.00000	1.07102	-1.00142	-1.15250	-.07420	-.01005
47.620	5.146	29.84000	5.00000	47.00000	1.05886	-.99996	-1.12580	-.05927	-.01003
47.620	7.650	29.84000	7.50000	47.00000	1.05731	-.98799	-1.09917	-.02959	-.01002
47.620	10.348	29.84000	10.00000	47.00000	1.05577	-.99704	-1.04768	.04432	-.02001
47.740	11.389	29.84000	11.00000	47.00000	1.06571	-.99646	-1.03460	.01477	-.01000
47.600	12.433	29.84000	12.00000	47.00000	1.05454	-.99588	-1.02154	.07379	-.00999
47.480	13.480	29.84000	13.00000	47.00000	1.05392	-.98482	-.99604	.05900	-.00999
47.500	14.523	29.84000	14.00000	47.00000	1.04278	-.98424	-.99546	.07370	-.00998
47.620	15.575	29.84000	15.00000	47.00000	1.05270	-.99413	-.99488	.10312	-.00997
47.600	16.625	29.84000	16.00000	47.00000	1.05208	-.98310	-.99430	.10306	-.00997
47.500	17.671	29.84000	17.00000	47.00000	1.05147	-.98253	-.93162	.10300	-.00996
47.550	18.721	29.84000	18.00000	47.00000	1.05086	-.98196	-.95591	.08824	-.00996
47.530	19.768	29.84000	19.00000	47.00000	1.05025	-.98139	-.95535	.11758	-.00995
47.670	20.819	29.84000	20.00000	47.00000	1.04964	-.99125	-.91760	.13220	-.01989
	GRADIENT	-.00000	.96462	.00000	-.00061	.00057	.01035	.01440	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA06V) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 166/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.850	-.063	29.85000	.00000	48.00000	1.06197	-.98178	-1.16674	-.13376	.00000
47.460	5.129	29.85000	5.00000	47.50000	1.05886	-.97891	-1.10078	-.07409	.00000
47.510	10.327	29.85000	10.00000	47.50000	1.05577	-.97605	-1.02273	.01478	.00000
47.600	15.553	29.85000	15.00000	48.00000	1.05270	-.97321	-.97801	.07366	.00997
47.540	20.804	29.85000	20.00000	48.00000	1.06014	-.95995	-.91760	.11751	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (JNA06W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 170/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.520	-5.246	29.89000	-5.00000	48.00000	1.06510	-1.00585	-1.20793	-.13415	.00000
47.570	-2.655	29.89000	-2.50000	48.00000	1.06353	-1.00437	-1.16846	-.13395	-.01008
47.500	-.063	29.89000	.00000	48.00000	1.07259	-.99234	-1.11656	-.08917	.00000
47.400	2.538	29.89000	2.50000	48.00000	1.06042	-.99088	-1.07734	-.04452	.00000
47.470	5.136	29.89000	5.00000	48.00000	1.05886	-.98943	-1.02573	.00000	.00000
47.370	7.735	29.89000	7.50000	48.00000	1.04674	-.99850	-1.01174	.04439	.01002
47.510	10.336	29.89000	10.00000	48.00000	1.06633	-.99704	-.98532	.04432	.00000
47.670	12.934	29.89000	12.50000	48.00000	1.06477	-.97462	-.95897	.11803	.00000
47.560	15.548	29.89000	15.00000	48.00000	1.05270	-.99413	-.93270	.13259	.00000
47.370	18.171	29.89000	17.50000	47.00000	1.08270	-.96134	-.88168	.14711	.00000
47.610	20.811	29.89000	20.00000	48.00000	1.06014	-.99125	-.89280	.17627	.00000
47.440	25.982	29.89000	25.00000	48.00000	1.06753	-.96757	-.85312	.20505	-.00992
	GRADIENT	.00000	.96289	-.00000	-.00060	.00260	.01755	.01722	.00194

ARC40X80-462(OA100) OV101(ADS OFF) (JNA06X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 171/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.650	-13.000	29.89000	10.00000	48.00000	1.06633	-.99704	-1.08510	-.01478	.00000
47.520	-10.000	29.89000	10.00000	48.00000	1.05577	-.99704	-1.04768	.02955	.00000
47.410	-2.000	29.89000	1.00000	48.00000	1.06135	-1.00231	-.97799	.05941	.00000
47.410	.000	29.89000	1.00000	48.00000	1.06135	-1.00231	-.99052	.05941	.00000
47.600	5.000	29.89000	-1.00000	48.00000	1.06260	-1.00348	-.99169	.05948	.00000
47.380	10.000	29.89000	1.00000	48.00000	1.06135	-1.00231	-1.02814	.01485	.00000
47.390	15.000	29.89000	1.00000	48.00000	1.05074	-.99176	-1.09083	-.04456	.00000
47.200	20.000	29.89000	1.00000	47.00000	1.05074	-.99176	-1.20367	-.13368	.00000
	GRADIENT	.00000	-.30769	.00000	.00019	-.00018	-.00163	.00001	.00000

ARC40X80-462(OA100) OV101+TUFTS (ADS OFF) (JNA06Y) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000

RUN NO. 172/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
9.590	-.074	29.86000	.00000	9.50000	1.05776	-1.05149	-1.12462	-.14803	.05011
9.630	5.120	29.86000	5.00000	9.00000	1.05467	-.99600	-1.05905	.00000	.00000
9.660	10.325	29.86000	10.00000	9.50000	1.05160	-.99310	-1.05597	.00000	.00000
9.630	15.532	29.86000	15.00000	9.50000	1.04855	-.99022	-.99097	.14674	.00000
9.490	20.764	29.86000	20.00000	8.50000	1.04552	-.93539	-.92635	.14631	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 173/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
19.020	-.074	29.86000	.00000	18.50000	1.06418	-1.00498	-1.10002	-.07446	.02521
19.040	5.117	29.86000	5.00000	18.50000	1.06107	-1.00204	-1.03413	.00000	.02513
19.090	10.324	29.86000	10.00000	19.00000	1.05798	-.99912	-.99988	.07403	.02506
19.080	15.531	29.86000	15.00000	18.50000	1.05491	-.99622	-.93466	.14763	.00000
19.090	20.782	29.86000	20.00000	19.00000	1.05185	-.99334	-.90089	.14720	.02491
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 174/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.410	-5.253	29.86000	-5.00000	48.00000	1.05445	-1.01644	-1.19534	-.14906	.01009
47.630	-2.664	29.86000	-2.50000	48.00000	1.06353	-1.00437	-1.15590	-.10419	.01008
47.490	-.074	29.86000	.00000	48.00000	1.06197	-1.00289	-1.10401	-.05945	.01006
47.330	2.522	29.86000	2.50000	47.50000	1.06042	-1.01197	-1.07734	-.05936	.01005
47.640	5.119	29.86000	5.00000	48.00000	1.08004	-.99996	-1.02573	.00000	.01003
47.460	7.720	29.86000	7.50000	48.00000	1.05731	-.98799	-1.01174	.04439	.01002
47.660	10.323	29.86000	10.00000	48.00000	1.05577	-.99704	-.96037	.07387	.01000
47.580	12.922	29.86000	12.50000	48.00000	1.05423	-.99559	-.93406	.10327	.02996
47.590	15.533	29.86000	15.00000	48.50000	1.08428	-.98367	-.93270	.13259	.00997
47.610	18.150	29.86000	17.50000	48.00000	1.05117	-.98224	-.89409	.16182	.01992
47.580	20.791	29.86000	20.00000	48.00000	1.04964	-1.01212	-.86800	.17627	.00000
47.190	25.987	29.86000	25.00000	48.00000	1.04660	-.96757	-.82839	.20505	.00992
	GRADIENT	.00000	.96415	-.09645	-.00060	-.00147	.01515	.00864	-.00001

ARC40X80-462(0A100) OV101+TUFTS (ADS OFF) (JNA06Z) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000

RUN NO. 175/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.750	-5.249	29.89000	-5.00000	48.00000	1.07575	-.99526	-1.20793	-.14906	.00000
47.650	-2.660	29.89000	-2.50000	47.50000	1.07417	-.98323	-1.13077	-.13395	.00000
47.580	-.070	29.89000	.00000	47.50000	1.07259	-.99234	-1.11656	-.07431	.01006
47.400	2.526	29.89000	2.50000	47.50000	1.06042	-.99088	-1.03976	-.02968	.00000
47.470	5.122	29.89000	5.00000	47.50000	1.05886	-.98943	-1.03824	.00000	.02006
47.640	7.725	29.89000	7.50000	48.00000	1.05731	-.96696	-1.02423	-.04439	.00000
47.450	10.326	29.89000	10.00000	48.00000	1.06633	-.96555	-.96037	.07387	-.01000
47.530	12.928	29.89000	12.50000	47.50000	1.06477	-.97462	-.94652	.10327	.00000
47.690	15.537	29.89000	15.00000	48.00000	1.05270	-.99413	-.89540	.13259	-.00997
47.480	18.155	29.89000	17.50000	48.00000	1.07219	-.97179	-.89409	.14711	.00000
47.590	20.788	29.89000	20.00000	48.00000	1.07063	-.95995	-.86800	.17627	.00000
47.360	25.983	29.89000	25.00000	47.50000	1.06753	-.96757	-.84076	.21970	.00000
	GRADIENT	.00000	.96402	.00000	-.00265	-.00148	.01755	.02010	-.00000

ARC40X80-462(0A100) OV101 (JNA07A) (16 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 176/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.180	-.048	29.89000	.00000	97.50000	1.07040	-.99389	-.24464	.08657	.75424
94.280	5.145	29.89000	5.00000	97.50000	1.07578	-1.01593	-.02542	.12797	.91223
94.750	10.344	29.89000	10.00000	98.50000	1.08653	-1.02128	.00953	.12420	.94790
94.370	15.559	29.89000	15.00000	98.00000	1.09729	-1.01593	-.04766	.08657	.94280
94.330	20.825	29.89000	20.00000	98.75000	1.08653	-1.01058	-.22876	-.02258	.86636
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (JNA07B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 177/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.560	-5.240	29.89000	-5.00000	98.75000	1.07578	-1.02662	-.56236	-.03011	.47395
94.350	-2.649	29.89000	-2.50000	98.50000	1.07578	-1.02662	-.41939	.05646	.60645
94.170	-.056	29.89000	.00000	98.00000	1.07040	-1.02128	-.26688	.13173	.67780
94.450	2.541	29.89000	2.50000	98.00000	1.07578	-1.02662	-.13980	.21077	.69818
94.510	5.138	29.89000	5.00000	98.50000	1.07040	-1.03197	-.06354	.23711	.75424
94.320	7.738	29.89000	7.50000	98.50000	1.07040	-1.02128	-.00635	.24841	.80521
94.710	10.348	29.89000	10.00000	98.50000	1.08116	-1.04801	.00953	.25970	.81030
94.310	12.946	29.89000	12.50000	99.00000	1.07040	-1.03732	.01271	.24841	.82559
94.310	15.557	29.89000	15.00000	98.00000	1.06502	-1.03732	-.00635	.22959	.82559
94.550	18.382	29.89000	17.50000	98.50000	1.07040	-1.03732	-.04448	.20700	.79501
	GRADIENT	-.00000	.96334	-.09631	.00000	-.00000	.05387	.02973	.01767

ARC40X80-462(OA100) OV101 (JNA07C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 178/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.190	-5.234	29.89000	-5.00000	97.50000	1.05964	-1.05336	-.78476	.00753	.22933
94.480	-2.643	29.89000	-2.50000	98.50000	1.05964	-1.04801	-.55601	.12044	.36693
94.510	-.049	29.89000	.00000	98.25000	1.05964	-1.05336	-.38126	.19948	.49943
94.470	2.548	29.89000	2.50000	98.50000	1.05964	-1.05871	-.22558	.27852	.56059
94.270	5.145	29.89000	5.00000	99.00000	1.05426	-1.04267	-.09532	.35379	.61664
94.160	7.746	29.89000	7.50000	97.50000	1.05964	-1.05336	-.03813	.37261	.66761
94.150	10.349	29.89000	10.00000	97.50000	1.04889	-1.04267	.00953	.38014	.68289
94.370	12.957	29.89000	12.50000	98.00000	1.05964	-1.05336	.01906	.38766	.70328
94.300	15.565	29.89000	15.00000	97.50000	1.05426	-1.05336	.01589	.37261	.71857
94.200	18.196	29.89000	17.50000	97.50000	1.05426	-1.03732	-.02542	.35755	.69309
94.170	20.818	29.89000	20.00000	99.00000	1.04888	-1.05336	-.07943	.33121	.65741
	GRADIENT	-.00000	.96328	.00003	.00000	-.00206	.06366	.03045	.03731

ARC40X80-462(OA100) OV101 (JNA07D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 179/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.250	-5.223	29.90000	-5.00000	96.50000	1.07578	-1.00524	-.88325	.09409	.06115
94.150	-2.632	29.90000	-2.50000	96.00000	1.08116	-1.01058	-.63226	.16937	.22933
94.300	-.039	29.90000	.00000	96.25000	1.07040	-1.01593	-.51470	.25593	.33635
94.240	2.556	29.90000	2.50000	96.25000	1.09729	-1.01058	-.32090	.32368	.42299
94.350	5.153	29.90000	5.00000	95.75000	1.08116	-1.01058	-.19063	.40272	.47905
94.130	7.751	29.90000	7.50000	96.25000	1.08116	-1.01058	-.10167	.45918	.49943
94.300	10.357	29.90000	10.00000	96.50000	1.07040	-1.01058	-.03177	.48176	.56059
94.440	12.965	29.90000	12.50000	96.50000	1.07578	-1.01593	-.00318	.49305	.56059
94.390	15.580	29.90000	15.00000	96.50000	1.07578	-1.01593	-.00318	.49305	.57587
94.270	18.201	29.90000	17.50000	96.00000	1.08116	-1.00524	-.01589	.48176	.57078
94.070	20.817	29.90000	20.00000	96.00000	1.07578	-1.01058	-.06037	.46294	.54530
	GRADIENT	.00000	.96376	.04819	.00311	.00000	.06002	.02974	.03733

ARC40X80-462(OA100) OV101+NOSE GEAR (JNA07E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 180/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.090	-.048	29.93000	.00000	96.75000	1.07040	-1.00524	-.15568	.05646	.85617
94.500	10.345	29.93000	10.00000	97.25000	1.07578	-1.02128	.01271	.10162	.97338
94.420	15.558	29.93000	15.00000	97.25000	1.09729	-1.01058	-.04766	.07527	.94790
94.220	20.813	29.93000	20.00000	97.00000	1.08116	-.98385	-.27959	-.07151	.87146
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (JNA07F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 181/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.260	-5.240	29.93000	-5.00000	99.75000	1.08116	-1.01058	-.52423	-.03387	.57587
94.390	-2.648	29.93000	-2.50000	95.00000	1.08653	-1.01058	-.37173	.03387	.67270
94.370	-.055	29.93000	.00000	97.25000	1.07578	-1.01058	-.22876	.13926	.69818
93.980	2.539	29.93000	2.50000	96.50000	1.06502	-1.00524	-.12709	.19571	.73895
94.500	5.138	29.9300u	5.00000	97.25000	1.08116	-1.00524	-.05083	.21830	.78992
94.490	7.739	29.93000	7.50000	97.00000	1.08116	-1.01593	.00000	.21830	.84088
94.370	10.347	29.93000	10.00000	96.75000	1.08116	-1.01058	.00953	.23335	.84597
94.240	12.946	29.93000	12.50000	96.50000	1.08116	-1.01593	.00635	.21830	.84088
94.570	15.556	29.93000	15.00000	95.00000	1.08653	-1.00524	-.01906	.21077	.83578
94.140	20.804	29.93000	20.00000	96.75000	1.07578	-.99454	-.16204	.16937	.74405
	GRADIENT	.00000	.96389	.28910	-.00415	.00103	.04716	.03120	.01277

ARC40X80-462(OA100) OV101+NOSE GEAR (JNA07G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 182/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.590	-.048	29.93000	.00000	97.25000	1.06502	-1.02128	-.27959	.19571	.56568
94.180	5.147	29.93000	5.00000	97.00000	1.06502	-1.02128	-.07625	.33497	.65232
94.460	10.351	29.93000	10.00000	97.00000	1.07040	-1.01593	.00953	.36885	.70328
94.200	15.563	29.93000	15.00000	96.75000	1.06502	-1.02128	.00000	.34626	.70838
94.470	20.815	29.93000	20.00000	97.00000	1.07578	-1.01593	-.11120	.30863	.64722
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (JNA07H) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = -10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 183/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.280	-.035	29.93000	.00000	96.50000	1.05964	-1.02662	-.35584	.28604	.41279
94.380	5.152	29.93000	5.00000	97.00000	1.08116	-1.03197	-.12709	.42907	.50453
94.250	10.356	29.93000	10.00000	96.50000	1.06502	-1.02128	.00000	.47423	.57587
94.220	15.581	29.93000	15.00000	96.50000	1.05964	-1.01593	.00318	.48176	.59626
94.530	20.834	29.93000	20.00000	96.75000	1.07040	-1.02128	-.07625	.45165	.54530
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA07I) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 184/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.150	-.052	29.95000	.00000	95.50000	1.08116	-.96781	-.18110	.08657	.79501
94.290	5.140	29.95000	5.00000	96.25000	1.09729	-.97315	-.02224	.12420	.90203
94.410	10.342	29.95000	10.00000	96.25000	1.09191	-.97315	.00953	.12797	.94280
94.530	15.560	29.95000	15.00000	96.25000	1.09191	-.98385	-.03495	.06398	.92751
94.310	20.818	29.95000	20.00000	95.75000	1.09729	-.96246	-.23829	-.01129	.85107
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (JNA07J) (16 MAR 82)

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 =	.3600								

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 195/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.060	-5.240	29.95000	-5.00000	95.50000	1.08116	-.96781	-.56871	-.03011	.50453
94.520	-2.649	29.95000	-2.50000	96.25000	1.08653	-.97315	-.40986	.03764	.62684
94.500	-.060	29.95000	.00000	96.75000	1.10267	-.98246	-.27641	.12797	.67780
93.980	2.537	29.95000	2.50000	96.00000	1.08653	-.96781	-.13344	.21453	.68799
94.070	5.133	29.95000	5.00000	95.00000	1.07578	-.96246	-.06037	.23711	.75424
93.670	7.736	29.95000	7.50000	95.50000	1.08116	-.97315	-.01271	.24464	.79501
94.470	10.340	29.95000	10.00000	96.50000	1.09729	-.97850	.01271	.25593	.80521
94.200	12.941	29.95000	12.50000	96.00000	1.10805	-.96781	.00953	.24464	.80011
95.730	15.555	29.95000	15.00000	97.50000	1.11343	-.97850	-.00953	.23335	.82049
94.370	18.182	29.95000	17.50000	96.50000	1.09191	-.96246	-.06037	.20700	.77972
	GRADIENT	-.00000	.96417	-.04834	-.00000	.00103	.05330	.03411	.01179

ARC40X80-462(0A100) OV101(FTP OFF) (JNA07K) (16 MAR 82)

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 =	.3600								

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 186/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.190	-.053	29.95000	.00000	96.00000	1.09729	-.97315	-.37808	.17313	.58453
93.830	5.144	29.95000	5.00000	95.50000	1.08116	-.96781	-.11755	.34250	.58607
93.970	10.346	29.95000	10.00000	95.50000	1.08116	-.96246	-.00635	.37261	.66761
94.430	15.562	29.95000	15.00000	96.50000	1.09191	-.97315	.00318	.36885	.68799
94.150	20.819	29.95000	20.00000	96.00000	1.09729	-.95711	-.08896	.33497	.63193
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA07L) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	-10.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 187/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.450	-.040	29.95000	.00000	96.25000	1.08653	-.96781	-.48611	.22959	.34145
94.330	5.151	29.95000	5.00000	96.50000	1.09191	-.97315	-.17475	.39895	.47395
94.270	10.353	29.95000	10.00000	96.00000	1.08116	-.97850	-.03177	.47799	.53510
94.200	20.827	29.95000	20.00000	95.75000	1.09191	-.96246	-.05401	.47047	.53510
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA07M) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	55.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 188/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
94.160	-.073	29.95000	.00000	96.00000	1.08116	-.96781	-.26688	.13173	.65741
94.210	5.117	29.95000	5.00000	95.75000	1.08116	-.97315	-.07943	.23711	.74405
94.200	10.325	29.95000	10.00000	96.00000	1.08116	-.97850	.00635	.25217	.81030
94.330	15.539	29.95000	15.00000	96.25000	1.09191	-.96781	-.00953	.23335	.81030
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (JNA07N) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	22.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 189/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.640	-10.000	29.92000	10.00000	48.25000	1.07035	-.94812	-.01252	.46717	.53215
47.530	-5.000	29.92000	10.00000	48.25000	1.07035	-.95866	.00626	.35593	.68276
47.240	-2.000	29.92000	10.00000	47.75000	1.07035	-.94812	.01252	.28920	.74301
47.530	.000	29.92000	10.00000	48.25000	1.07035	-.96919	.03130	.24471	.79321
47.480	2.000	29.92000	10.00000	48.25000	1.07035	-.94812	.03756	.20021	.85345
47.380	5.000	29.92000	10.00000	47.75000	1.08094	-.93759	.01878	.10381	.92374
47.450	10.000	29.92000	10.00000	48.25000	1.09154	-.92705	.01252	-.03708	1.07435
47.380	20.000	29.92000	10.00000	48.00000	1.07035	-.94812	-.04382	-.31144	1.29524
	GRADIENT	.00000	.00000	-.02586	.00091	.00182	.00194	-.02480	.02458

ARC40X80-462(OA100) OV101(FTP OFF) (JNA07O) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 190/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.640	-10.000	29.92000	10.00000	48.25000	1.09154	-.93759	-.03130	.48200	.54219
47.550	-5.000	29.92000	10.00000	48.25000	1.08094	-.94812	-.00626	.35593	.66268
47.650	-2.000	29.92000	10.00000	48.25000	1.08094	-.95866	.01878	.30403	.73296
47.360	.000	29.92000	10.00000	47.75000	1.08094	-.93759	.00626	.23729	.79321
47.420	2.000	29.92000	10.00000	48.00000	1.07035	-.93759	.01252	.20021	.84341
47.500	5.000	29.92000	10.00000	48.00000	1.09154	-.93759	.01252	.11865	.92374
47.490	15.000	29.92000	10.00000	48.25000	1.08094	-.93759	-.01252	-.19280	1.22495
47.330	20.000	29.92000	10.00000	48.00000	1.09154	-.92705	-.04382	-.31886	1.28520
	GRADIENT	.00000	.00000	-.03017	.00055	.00163	.00140	-.02404	.02631

ARC40X80-462(OA100) OV101 (JNA07P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 85/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.990	-13.000	29.82000	10.00000	48.50000	1.07689	.00000	-.07483	.63190	.46013
47.900	-10.000	29.82000	10.00000	48.00000	1.06633	.00000	-.03742	.47280	.55016
47.590	-5.000	29.82000	10.00000	48.00000	1.07689	.00000	-.01247	.36937	.70020
47.840	-2.000	29.82000	10.00000	48.00000	1.05577	.00000	.00000	.29550	.79023
47.790	.000	29.82000	10.00000	48.00000	1.05577	.00000	.00000	.25117	.81024
47.800	2.000	29.82000	10.00000	48.00000	1.05577	.00000	.00000	.19207	.86025
47.750	5.000	29.82000	10.00000	48.00000	1.05577	.00000	.00000	.13298	.94027
47.630	10.000	29.82000	10.00000	48.00000	1.05577	.00000	.00000	-.04432	1.09032
47.530	15.000	29.82000	10.00000	48.00000	1.05577	.01050	-.02494	-.17730	1.21035
	GRADIENT	.00000	.00000	.00000	-.00182	.00000	.00108	-.02395	.02311

ARC40X80-462(OA100) OV101 (JNA07Q) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 100/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q57	DP/Q59	DP/Q65
47.610	-13.000	29.80000	10.00000	47.50000	1.06633	.00000	-.04989	.56145	.48004
47.820	-10.000	29.80000	10.00000	48.50000	1.05577	.00000	-.02494	.48757	.60018
47.670	-5.000	29.80000	10.00000	47.50000	1.04521	.00000	.01247	.38415	.70020
47.670	-2.000	29.80000	10.00000	47.50000	1.04521	.00000	.02494	.33982	.78023
47.600	.000	29.80000	10.00000	47.50000	1.04521	.00000	.02494	.26595	.83024
47.560	2.000	29.80000	10.00000	49.00000	1.06633	.01050	.04989	.25117	.87025
47.750	5.000	29.80000	10.00000	47.50000	1.06633	.00000	.04989	.14775	.97028
47.670	10.000	29.80000	10.00000	49.00000	1.05577	.02099	.02494	.00000	1.10032
47.610	15.000	29.80000	10.00000	49.00000	1.05577	.00000	.01247	-.13298	1.23036
47.680	20.000	29.80000	10.00000	47.50000	1.06633	.00000	-.02494	-.29550	1.33039
	GRADIENT	.00000	.00000	.05172	.00255	.00036	.00409	-.02344	.02639

ARC40X80-462(OA100) OV101 (KNAOIA) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 4/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
19.120	-5.245	29.83000	-5.00000	17.00000	1.22740	-1.03445	-.57287	.10619	.49717
19.020	-2.655	29.83000	-2.50000	17.00000	1.22560	-1.00645	-.50474	.15906	.62056
19.080	-.066	29.83000	.00000	17.00000	1.22380	-1.00498	-.20160	.15882	.69401
19.180	2.532	29.83000	2.50000	17.00000	1.22201	-1.02991	-.10065	.10573	.74249
19.180	5.128	29.83000	5.00000	17.50000	1.22023	-1.02841	-.16751	.05279	.79083
19.170	7.734	29.83000	7.50000	17.00000	1.19196	-1.02691	.00000	.36896	.83904
19.110	10.337	29.83000	10.00000	14.50000	2.47127	-1.98621	-.33203	.10463	1.66553
18.960	12.937	29.83000	12.50000	13.50000	2.46768	-1.98332	-.33155	.10448	1.71203
18.920	15.552	29.83000	15.00000	16.50000	1.34501	-.23595	-.16654	.10496	.83538
19.050	20.801	29.83000	20.00000	18.00000	1.31482	-.47053	-.23247	.15698	.75947
18.940	26.000	29.83000	25.00000	18.50000	1.31102	-.93834	-.43049	.00000	.63514
	GRADIENT	.00000	.96408	-.00000	-.00069	-.00453	.07789	-.01029	.02351

RUN NO. 5/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
52.070	-5.245	29.83000	-5.00000	48.00000	1.27812	-1.14349	-.59187	.02119	.53584
52.240	-2.653	29.83000	-2.50000	49.00000	1.27624	-1.15238	-.42982	.02116	.71340
52.220	-.062	29.83000	.00000	48.00000	1.26375	-1.15069	-.22800	.19019	.76183
52.220	2.535	29.83000	2.50000	52.00000	1.18100	-1.03928	-.18339	.25042	.74855
52.260	5.135	29.83000	5.00000	48.00000	1.15416	-1.11574	-.04012	.27392	.87797
52.330	7.735	29.83000	7.50000	48.00000	1.30050	-1.12462	-.09347	.27352	.92594
52.190	10.341	29.83000	10.00000	49.00000	1.14023	-1.15446	-.06667	.31514	.81639
52.250	12.939	29.83000	12.50000	57.50000	1.17411	-1.05235	-.06077	.22981	.85178
52.080	15.553	29.83000	15.00000	52.00000	1.03787	-1.05082	-.03641	.21035	.83263
52.310	20.819	29.83000	20.00000	48.00000	1.22808	-1.09559	-.23861	.18798	.83121
49.060	26.008	29.83000	25.00000	48.50000	1.17219	-.99878	-.50228	-.18744	.65329
	GRADIENT	.00000	.96389	.57868	-.01837	.02181	.04750	.04419	.00677

ARC40X80-462(OA100) OV101 (KNA01A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 7/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.180	-5.245	29.76000	-5.00000	96.50000	1.09814	-.98461	-.55067	-.02142	.53160
94.780	-2.654	29.76000	-2.50000	97.00000	1.11263	-.98849	-.40051	.05348	.63096
95.030	-.061	29.76000	.00000	98.00000	1.10025	-.99236	-.23046	.16020	.68503
94.450	2.539	29.76000	2.50000	97.00000	1.10399	-.98024	-.12183	.21329	.72896
94.520	5.136	29.76000	5.00000	96.50000	1.09701	-.98411	-.06082	.21297	.79768
94.340	7.737	29.76000	7.50000	97.00000	1.09005	-.98267	.00000	.22329	.83135
94.570	10.345	29.76000	10.00000	97.50000	1.09911	-.98652	.02022	.25481	.81024
94.610	12.943	29.76000	12.50000	97.00000	1.08684	-.97448	.00000	.23324	.84876
95.400	15.559	29.76000	15.00000	98.00000	1.09589	-.99421	-.04031	.20114	.83265
92.940	18.182	29.76000	17.50000	95.50000	1.05710	-.96635	-.09392	.15856	.76709
	GRADIENT	-.00000	.96287	-.00017	-.00166	.00159	.05366	.03077	.01887

ARC40X80-462(OA100) OV101(DECREASING ALPHA) (KNA01B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 6/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
52.300	-5.243	29.83000	-5.00000	48.00000	2.74796	-.61410	-.59187	.06358	.56561
51.950	-2.652	29.83000	-2.50000	52.00000	1.88352	-.92653	-.36785	.21252	.64221
51.890	-.064	29.83000	.00000	57.50000	1.74503	-.77097	-.19590	.27008	.69546
51.990	2.533	29.83000	2.50000	57.50000	2.27489	-.94305	-.20784	.32747	.73953
52.180	5.136	29.83000	5.00000	49.00000	2.61539	-.63155	-.04012	.44248	.87797
51.950	7.735	29.83000	7.50000	53.00000	2.26823	-1.02665	-.08533	.36493	.83629
52.360	10.339	29.83000	10.00000	57.50000	2.27456	-1.01557	-.07303	.34522	.83506
52.100	12.938	29.83000	12.50000	57.50000	2.09801	-.77492	-.07293	.34471	.85178
52.080	15.553	29.83000	15.00000	49.00000	1.57905	-1.13017	-.05318	.37706	.91209
52.200	20.822	29.83000	20.00000	52.00000	2.01221	-.91442	-.18152	.26694	.75880
	GRADIENT	.00000	.96426	1.06014	.07554	-.00322	.03084	.02217	.01877

ARC40X80-462(OA100) OV101 (KNAOIC) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 2/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
18.990	-5.093	29.83000	-5.00000	18.50000	1.22740	-1.00798	-.50548	.15929	.57175
18.990	-2.501	29.83000	-2.50000	17.50000	1.19895	-1.03293	-.53838	.15906	.62056
19.140	.091	29.83000	.00000	14.00000	2.37995	-2.10297	-.33397	.31573	1.42891
19.090	2.687	29.83000	2.50000	14.50000	2.37648	-2.04740	-.26679	.10509	1.47603
19.080	5.288	29.83000	5.00000	14.50000	2.37301	-2.04442	-.26640	.10494	1.62126
19.050	7.890	29.83000	7.50000	15.50000	1.19196	-1.02691	-.16726	.15813	.83904
19.090	10.489	29.83000	10.00000	15.50000	1.21668	-.99912	-.20043	-.05263	.86246
19.020	13.095	29.83000	12.50000	13.50000	2.36267	-2.03551	-.39785	.10448	1.66311
18.970	15.701	29.83000	15.00000	15.50000	1.18677	-.99622	-.06661	.31488	.81081
19.040	20.963	29.83000	20.00000	17.00000	1.23593	-.96720	-.19926	.15698	.78397
18.900	26.117	29.83000	25.00000	17.00000	1.23236	-.96441	-.49672	.00000	.63514
	GRADIENT	-.00000	.96367	-.57804	.22690	-.19548	.05234	-.01042	.16485

RUN NO. 8/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.540	-5.091	29.76000	-5.00000	47.50000	1.06510	-1.04820	-.48426	-.08478	.51600
47.620	-2.500	29.76000	-2.50000	47.50000	1.06353	-1.03609	-.32236	.04233	.64405
47.640	.091	29.76000	.00000	48.00000	1.05135	-1.02401	-.16095	.10566	.69257
47.600	2.688	29.76000	2.50000	47.50000	1.06042	-1.03305	-.06696	.08441	.72119
47.620	5.284	29.76000	5.00000	48.00000	1.04827	-1.03154	.01337	.10535	.75959
47.580	7.890	29.76000	7.50000	47.50000	1.06789	-1.00901	.04006	.14728	.81759
47.470	10.489	29.76000	10.00000	48.00000	1.04521	-1.02852	.05333	.14706	.81639
47.430	13.093	29.76000	12.50000	47.50000	1.06477	-1.01654	.03994	.12587	.82502
47.540	15.704	29.76000	15.00000	48.00000	1.04217	-1.00460	.01329	.10474	.82382
47.490	20.973	29.76000	20.00000	48.00000	1.04964	-1.03299	-.18559	.04177	.73342
45.130	26.111	29.76000	25.00000	45.00000	.99427	-.96757	-.46263	-.14579	.60454
	GRADIENT	.00000	.96376	-.00008	-.00060	.00058	.04922	.00810	.01487

ARC40X80-462(OA100) OV101 (KNA01C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 14/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.550	-5.093	29.78000	-5.00000	97.00000	1.09814	-1.02206	-.53708	-.01071	.53661
94.050	-2.501	29.78000	-2.50000	97.00000	1.09114	-1.00452	-.33263	.06418	.64098
94.680	.090	29.78000	.00000	98.00000	1.09489	-1.01904	-.19657	.19224	.68503
94.710	2.690	29.78000	2.50000	98.50000	1.09327	-1.01753	-.11506	.20262	.72896
94.230	5.291	29.78000	5.00000	98.00000	1.08630	-1.01071	-.03379	.23427	.79768
94.260	7.891	29.78000	7.50000	97.50000	1.08470	-1.00922	-.00675	.20203	.82139
94.350	10.495	29.78000	10.00000	98.00000	1.08311	-1.00774	.00674	.24420	.81024
94.610	13.098	29.78000	12.50000	98.00000	1.08684	-1.01155	.00673	.22263	.83883
93.190	15.690	29.78000	15.00000	96.00000	1.05865	-.64518	-.02687	.19055	.81282
94.180	18.341	29.78000	17.50000	97.50000	1.07835	-1.00331	-.09392	.17970	.77204
92.530	20.984	29.78000	20.00000	96.00000	1.05555	-.98602	-.20767	.09500	.71655
	GRADIENT	.00000	.96322	.28892	.00041	-.00250	.04191	.02666	.01695

ARC40X80-462(OA100) OV101 (KNA01D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 3/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
18.910	-5.410	29.83000	-5.00000	16.50000	1.20071	-1.00793	-.53917	.15929	.49717
19.080	-2.818	29.83000	-2.50000	17.00000	1.22560	-1.00645	-.50474	.15906	.62056
19.140	-.221	29.83000	.00000	17.00000	1.22380	-1.00498	-.16800	.10588	.66922
19.110	2.371	29.83000	2.50000	16.00000	1.22201	-1.00351	-.10065	.05286	.76724
19.110	4.965	29.83000	5.00000	17.50000	1.22023	-1.00204	-.10050	.05279	.81555
19.180	7.564	29.83000	7.50000	16.50000	1.21845	-1.00058	-.16726	.05271	.86371
19.120	10.174	29.83000	10.00000	16.50000	1.21668	-.99912	-.16702	.05263	.81317
19.060	12.770	29.83000	12.50000	16.50000	1.21491	-.99767	.03336	.31534	.86120
18.880	15.379	29.83000	15.00000	16.50000	1.18677	-.97001	-.16654	.15744	.83538
18.900	20.638	29.83000	20.00000	16.50000	1.18334	-.96720	-.16605	.15698	.78397
18.990	25.855	29.83000	25.00000	17.00000	1.20614	-.98441	-.46361	.00000	.65956
	GRADIENT	.00000	.96373	.01929	-.00069	.00057	.04935	-.01433	.02633

ARC40X80-462(OA100) OV101 (KNA01D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 9/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	JP/Q60	DP/Q66
47.480	-5.409	29.76000	-5.00000	47.50000	1.06510	-1.03761	-.49771	-.06358	.52592
47.600	-2.819	29.76000	-2.50000	47.50000	1.05290	-1.03609	-.32236	.00000	.61432
47.420	-.225	29.76000	.00000	48.00000	1.04073	-1.03456	-.13412	.02113	.67278
47.530	2.371	29.76000	2.50000	48.00000	1.04981	-1.04359	-.08035	.12661	.71131
47.300	4.967	29.76000	5.00000	47.50000	1.06945	-1.04206	.00000	.14749	.78919
47.530	7.568	29.76000	7.50000	48.00000	1.05731	-1.03003	.05341	.10520	.81759
47.500	10.176	29.76000	10.00000	47.50000	1.06633	-1.01803	.06667	.16807	.81639
47.570	12.771	29.76000	12.50000	48.00000	1.05423	-1.03750	.03994	.08391	.81520
47.460	15.385	29.76000	15.00000	47.50000	1.05270	-1.03599	.02659	.08379	.81402
47.490	20.650	29.76000	20.00000	48.00000	1.07063	-1.02255	-.13256	.04177	.73342
47.810	25.857	29.76000	25.00000	48.00000	1.05707	-.99878	-.51550	-.22909	.66304
	GRADIENT	.00000	.96328	-.00001	.00226	-.00104	.03933	.02111	.02170

RUN NO. 15/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.710	-5.412	29.78000	-5.00000	98.00000	1.08199	-1.03277	-.53708	.00000	.54664
94.220	-2.818	29.78000	-2.50000	97.50000	1.09114	-1.03124	-.35978	.04278	.64098
93.990	-.223	29.78000	.00000	97.50000	1.07342	-1.02971	-.21691	.12816	.69003
94.430	2.374	29.78000	2.50000	97.50000	1.07719	-1.03352	-.10829	.19196	.73395
94.520	4.969	29.78000	5.00000	98.00000	1.08095	-1.03731	-.03379	.18103	.78771
94.610	7.572	29.78000	7.50000	98.00000	1.07936	-1.03047	-.00675	.20203	.82637
94.380	10.178	29.78000	10.00000	97.50000	1.07777	-1.03426	.02695	.22296	.81024
94.800	12.775	29.78000	12.50000	98.00000	1.07086	-1.03903	.00673	.20143	.84380
94.870	15.391	29.78000	15.00000	98.00000	1.06929	-1.03122	-.01344	.19055	.81378
95.210	18.018	29.78000	17.50000	98.50000	1.07304	-1.03499	-.08051	.15856	.78194
94.570	20.660	29.78000	20.00000	98.00000	1.06036	-1.02821	-.16078	.09500	.74126
88.500	25.862	29.78000	25.00000	91.00000	.97314	-.96212	-.43417	-.14734	.63070
	GRADIENT	.00000	.96305	.05778	-.00103	-.00085	.04186	.01843	.01865

ARC40X80-462(OA100) OV101 (KNA01E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 16/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
19.200	-13.000	29.69000	.00000	19.00000	1.11738	-.97853	-.06720	-.05294	1.04101
19.160	-10.000	29.69000	.00000	19.00000	1.11738	-.97853	-.06720	.00000	.99144
19.070	-5.000	29.69000	.00000	19.00000	1.09078	-.97853	-.20160	.00000	.81794
19.050	-2.000	29.69000	.00000	19.50000	1.09078	-.97853	-.16800	.00000	.76836
19.080	.000	29.69000	.00000	19.50000	1.11738	-.97853	-.20160	.05294	.71879
19.040	2.000	29.69000	.00000	19.00000	1.11738	-.97853	-.23520	.10588	.64443
19.130	5.000	29.69000	.00000	19.50000	1.09078	-.97853	-.33600	.15882	.54529
19.150	10.000	29.69000	.00000	19.50000	1.11738	-.97853	-.40320	.21176	.39658
19.110	15.000	29.69000	.00000	19.50000	1.11738	-.97853	-.53760	.37058	.19829
19.040	20.000	29.69000	.00000	19.50000	1.09078	-.97853	-.63840	.37058	.04957
	GRADIENT	.00000	.00000	.02586	.00092	.00000	-.01390	.01734	-.02778

RUN NO. 21/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.590	-13.000	29.75000	.00000	48.00000	1.09383	-.96067	-.08047	-.08453	1.01907
47.590	-10.000	29.75000	.00000	48.00000	1.09383	-.96067	-.08047	.02113	.94981
47.630	-5.000	29.75000	.00000	48.00000	1.10445	-.97122	-.20118	.06340	.78161
47.520	-2.000	29.75000	.00000	47.50000	1.08321	-.96067	-.22800	.14793	.74204
47.490	.000	29.75000	.00000	47.50000	1.08321	-.96067	-.22800	.16906	.68267
47.480	2.000	29.75000	.00000	47.50000	1.09383	-.96067	-.26824	.16906	.63321
47.630	5.000	29.75000	.00000	48.00000	1.09383	-.96067	-.32189	.21132	.53427
47.510	10.000	29.75000	.00000	48.00000	1.08321	-.96067	-.38895	.31699	.38586
47.500	15.000	29.75000	.00000	47.50000	1.09383	-.96067	-.56331	.40152	.19788
47.680	20.000	29.75000	.00000	48.00000	1.09383	-.96067	-.61695	.50718	.01979
	GRADIENT	.00000	.00000	.00000	-.00055	.00091	-.01179	.01348	-.02508

RUN NO. 45/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.290	-13.000	29.88000	.00000	97.50000	1.08415	-.00534	-.09490	-.04272	1.02505
94.680	-10.000	29.88000	.00000	99.00000	1.10562	.00000	-.10845	.01068	.93504
94.410	-5.000	29.88000	.00000	99.00000	1.08952	.00000	-.19657	.07476	.79504
94.780	-2.000	29.88000	.00000	99.00000	1.08952	-.00534	-.20335	.13884	.72004
94.730	.000	29.88000	.00000	99.00000	1.08952	-.00534	-.24402	.17088	.67503
94.410	2.000	29.88000	.00000	98.50000	1.08952	-.00534	-.27113	.19224	.61003
94.180	5.000	29.88000	.00000	98.00000	1.06805	.00000	-.35247	.20292	.51502
94.590	10.000	29.88000	.00000	98.00000	1.06805	-.00534	-.40670	.28836	.36002
94.450	15.000	29.88000	.00000	98.00000	1.07342	.00534	-.52193	.34176	.21501
92.340	20.000	29.88000	.00000	97.00000	1.04658	.00534	-.63038	.43788	-.01500
	GRADIENT	.00000	.00000	-.10345	-.00185	.00000	-.01578	.01289	-.02793

ARC40X80-462(OA100) OV101(DECREASING BETA) (KNA01F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 22/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.510	-13.000	29.75000	.00000	48.00000	1.09383	-.97122	-.09388	-.04226	1.03885
47.470	-10.000	29.75000	.00000	47.50000	1.08321	-.97122	-.08047	.00000	.93992
47.610	-5.000	29.75000	.00000	48.00000	1.09383	-.97122	-.22800	.08453	.77172
47.600	-2.000	29.75000	.00000	48.00000	1.08321	-.97122	-.20118	.10566	.73214
47.430	.000	29.75000	.00000	48.00000	1.08321	-.96067	-.26824	.12679	.69257
47.440	2.000	29.75000	.00000	47.50000	1.08321	-.96067	-.26824	.19019	.63321
47.550	5.000	29.75000	.00000	47.50000	1.09383	-.96067	-.30848	.23246	.54416
47.490	10.000	29.75000	.00000	48.00000	1.08321	-.96067	-.41577	.27472	.37597
47.540	15.000	29.75000	.00000	48.00000	1.09383	-.96067	-.49625	.35925	.18798
47.670	20.000	29.75000	.00000	48.00000	1.09383	-.96067	-.61695	.40152	-.01979
	GRADIENT	.00000	.00000	-.06034	.00000	.00127	-.00925	.01567	-.02303

ARC40X80-462(OA100) OV101 (KNA01G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 17/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
19.180	-13.000	29.69000	5.00000	19.00000	1.08759	-1.00204	.03350	-.10557	1.13682
19.120	-10.000	29.69000	5.00000	19.50000	1.11412	-.97567	.00000	-.10557	1.06268
19.080	-5.000	29.69000	5.00000	19.50000	1.08759	-.97567	-.03350	.15836	.93912
19.070	-2.000	29.69000	5.00000	19.00000	1.08759	-.97567	.00000	.15836	.86497
19.070	.000	29.69000	5.00000	19.50000	1.08759	-.97567	-.03350	.21115	.81555
19.060	2.000	29.69000	5.00000	19.50000	1.08759	-.97567	-.03350	.21115	.76612
19.080	5.000	29.69000	5.00000	19.00000	1.08759	-.97567	-.10050	.26393	.66727
19.070	10.000	29.69000	5.00000	19.50000	1.08759	-1.00204	-.16751	.26393	.51899
19.020	15.000	29.69000	5.00000	19.50000	1.08759	-.97567	-.23451	.36950	.39542
19.010	20.000	29.69000	5.00000	19.50000	1.08759	-.94930	-.30152	.52786	.19771
	GRADIENT	.00000	.00000	-.02586	.00000	.00000	-.00693	.01092	-.02684

ARC40X80-462(OA100) OV101 (KNA01G) (16 MAR 82)

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 =	.3600			

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 23/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.780	-13.000	29.75000	5.00000	48.00000	1.09063	-.96838	.00000	-.04214	1.11473
47.770	-10.000	29.75000	5.00000	48.00000	1.08004	-.96838	.00000	.00000	1.05554
47.550	-5.000	29.75000	5.00000	47.50000	1.08004	-.95786	-.01337	.10535	.92730
47.560	-2.000	29.75000	5.00000	47.50000	1.08004	-.95786	-.05349	.18963	.82865
47.450	.000	29.75000	5.00000	48.00000	1.08004	-.95786	-.04012	.23178	.78919
47.560	2.000	29.75000	5.00000	48.00000	1.09063	-.96838	-.04012	.27392	.74973
47.430	5.000	29.75000	5.00000	47.50000	1.08004	-.96838	-.12035	.31606	.64122
47.670	10.000	29.75000	5.00000	48.00000	1.08004	-.96838	-.16047	.40034	.50311
47.470	15.000	29.75000	5.00000	47.50000	1.08004	-.95786	-.18722	.48462	.35514
47.450	20.000	29.75000	5.00000	47.50000	1.08004	-.95786	-.30757	.56891	.19730
	GRADIENT	.00000	.00000	.01724	.00037	-.00127	-.00876	.02107	-.02738

ARC40X80-462(OA100) OV101 (KNA01H) (16 MAR 82)

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 =	.3600			

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 18/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
19.060	-13.000	29.69000	10.00000	19.50000	1.08443	-.97283	-.03340	-.05263	1.15816
19.090	-10.000	29.69000	10.00000	19.00000	1.08443	-.97283	.03340	-.05263	1.08423
19.100	-5.000	29.69000	10.00000	19.00000	1.08443	-.97283	.03340	.10526	.96102
19.180	-2.000	29.69000	10.00000	19.00000	1.08443	-1.89308	.03340	.10526	.88710
19.060	.000	29.69000	10.00000	19.00000	1.08443	-.97283	.03340	.10526	.83782
19.110	2.000	29.69000	10.00000	19.00000	1.08443	-.97283	.03340	.26316	.78853
19.080	5.000	29.69000	10.00000	19.00000	1.08443	-.97283	.06681	.26316	.71461
19.110	10.000	29.69000	10.00000	19.00000	1.08443	-.97283	-.03340	.36843	.59140
19.050	15.000	29.69000	10.00000	19.00000	1.08443	-.97283	-.03340	.47369	.46819
19.040	20.000	29.69000	10.00000	19.50000	1.08443	-.97283	-.03340	.68422	.32034
	GRADIENT	.00000	.00000	.00000	.00000	.03173	.00288	.01906	-.02464

ARC40X80-462(OA100) OV101 (KNA01H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 24/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.700	-13.000	29.75000	10.00000	48.00000	1.08744	-.96555	-.01333	-.08404	1.14098
47.950	-10.000	29.75000	10.00000	48.00000	1.09800	-.96555	.00000	.00000	1.08197
48.370	-5.000	29.75000	10.00000	49.00000	1.08744	-.98654	.02667	.08404	.95410
47.570	-2.000	29.75000	10.00000	48.00000	1.08744	-.96555	.01333	.18908	.86557
47.530	.000	29.75000	10.00000	48.00000	1.08744	-.96555	.04000	.23110	.82623
47.440	2.000	29.75000	10.00000	48.00000	1.07689	-.94456	.00000	.29413	.78689
47.660	5.000	29.75000	10.00000	48.00000	1.07689	-.97605	.00000	.35715	.70820
47.390	10.000	29.75000	10.00000	47.50000	1.07689	-.96555	-.02667	.42018	.55082
47.510	15.000	29.75000	10.00000	47.50000	1.07689	-.95506	-.04000	.60926	.44262
47.500	20.000	29.75000	10.00000	47.50000	1.08744	-.96555	-.09334	.65128	.31475
	GRADIENT	.00000	.00000	-.08621	-.00127	.00163	-.00276	.02717	-.02391

RUN NO. 46/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.480	-13.000	29.88000	10.00000	99.00000	1.07777	-.01061	-.00674	-.11679	1.14826
94.340	-10.000	29.88000	10.00000	98.00000	1.08311	-.01591	.00000	-.03185	1.06872
94.410	-5.000	29.88000	10.00000	98.50000	1.06710	.00000	.01348	.08494	.93451
94.550	-2.000	29.88000	10.00000	98.50000	1.07244	-.00530	-.00674	.18049	.85995
94.270	.000	29.88000	10.00000	98.00000	1.05110	.00000	.01348	.22296	.80030
94.360	2.000	29.88000	10.00000	98.00000	1.05110	-.00530	.01348	.27605	.77048
94.430	5.000	29.88000	10.00000	98.00000	1.04042	.00000	.00000	.31852	.71580
94.550	10.000	29.88000	10.00000	98.50000	1.04042	-.01061	-.01348	.42469	.55673
94.610	15.000	29.88000	10.00000	98.50000	1.04042	-.01061	-.04717	.53086	.43743
94.360	20.000	29.88000	10.00000	98.00000	1.04042	-.00530	-.09434	.61580	.31813
	GRADIENT	.00000	.00000	-.06034	-.00304	.00000	-.00046	.02343	-.02194

ARC40X80-462(OA100) OV101 (KNA011) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 19/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
19.000	-13.000	29.69000	15.00000	19.00000	1.08128	-.97001	-.09992	-.20992	1.13022
19.100	-10.000	29.69000	15.00000	19.00000	1.10765	-.97001	-.06661	-.10496	1.05651
19.000	-5.000	29.69000	15.00000	19.00000	1.10765	-.97001	-.03331	.00000	.93356
19.000	-2.000	29.69000	15.00000	19.00000	1.08128	-.97001	-.03331	.10496	.88452
18.980	.000	29.69000	15.00000	19.00000	1.10765	-.94379	-.03331	.10496	.85995
19.070	2.000	29.69000	15.00000	19.50000	1.10765	-.97001	-.03331	.26240	.81081
18.980	10.000	29.69000	15.00000	19.00000	1.08128	-.94379	-.03331	.36736	.58968
19.000	15.000	29.69000	15.00000	19.00000	1.08128	-.97001	-.03331	.62976	.46683
18.930	20.000	29.69000	15.00000	19.00000	1.08128	-.94379	-.03331	.68224	.36855
	GRADIENT	.00000	.00000	.06075	.00074	.00123	.00000	.03384	-.01699

RUN NO. 25/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.510	-13.000	30.77000	15.00000	47.50000	1.08428	-1.00460	-.14624	-.16758	1.07882
47.800	-10.000	30.77000	15.00000	48.00000	1.09480	-1.00460	-.10636	-.10474	1.03959
48.000	-5.000	30.77000	15.00000	48.50000	1.09480	-1.00460	-.06647	.04190	.94151
48.090	-2.000	30.77000	15.00000	48.00000	1.08428	-1.00460	-.03988	.14663	.88867
47.970	.000	30.77000	15.00000	48.00000	1.08428	-1.02553	-.03988	.20948	.83863
47.910	2.000	30.77000	15.00000	48.00000	1.08428	-1.01506	-.03988	.27232	.79440
47.890	5.000	30.77000	15.00000	48.00000	1.07375	-1.01506	-.02659	.31422	.72575
47.470	10.000	30.77000	15.00000	48.00000	1.06322	-1.01506	-.01329	.46085	.58845
47.450	15.000	30.77000	15.00000	48.00000	1.06322	-1.00460	.00000	.56559	.47076
47.650	20.000	30.77000	15.00000	48.00000	1.08428	-1.00460	-.03988	.71223	.34326
	GRADIENT	.00000	.00000	-.04310	-.00181	-.00126	.00344	.02781	-.02164

ARC40X80-462(OA100) OV101 (KNA01J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 20/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
19.180	-13.000	29.75000	20.00000	19.00000	1.10445	-.91492	-.39853	-.31397	1.00446
19.130	-10.000	29.75000	20.00000	19.00000	1.10445	-.91492	-.33211	-.15698	.97996
19.100	-5.000	29.75000	20.00000	18.50000	1.10445	-.91492	-.26569	-.10466	.88196
19.140	-2.000	29.75000	20.00000	19.00000	1.13074	-.91492	-.23247	.05233	.83296
19.220	.000	29.75000	20.00000	19.00000	1.10445	-.91492	-.19926	.05233	.78397
19.130	2.000	29.75000	20.00000	19.00000	1.10445	-.91492	-.13284	.10466	.73497
19.100	5.000	29.75000	20.00000	19.00000	1.10445	-.91492	-.16605	.26164	.66147
19.010	10.000	29.75000	20.00000	19.00000	1.10445	-.88878	-.09963	.47095	.56348
19.040	15.000	29.75000	20.00000	18.50000	1.10445	-.88878	-.06642	.57561	.44098
19.000	20.000	29.75000	20.00000	19.00000	1.10445	-.88878	-.03321	.73259	.34299
	GRADIENT	.00000	.00000	.04310	-.00091	.00000	.01202	.03338	-.02239

RUN NO. 26/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.490	-13.000	30.77000	20.00000	47.50000	1.08113	-1.02255	-.37118	-.39685	1.02679
47.730	-10.000	30.77000	20.00000	48.00000	1.09163	-1.02255	-.31815	-.25065	.96812
47.590	-5.000	30.77000	20.00000	48.00000	1.08113	-1.02255	-.27838	-.10443	.85055
47.600	-2.000	30.77000	20.00000	48.00000	1.06014	-1.02255	-.21210	.00000	.79209
47.560	.000	30.77000	20.00000	48.00000	1.07063	-1.03299	-.18559	.08355	.75298
47.630	2.000	30.77000	20.00000	48.00000	1.07063	-1.04342	-.17233	.14621	.71386
47.700	5.000	30.77000	20.00000	48.00000	1.07063	-1.04342	-.14582	.20887	.65519
47.640	10.000	30.77000	20.00000	48.00000	1.06014	-1.04342	-.09279	.39685	.54762
47.620	15.000	30.77000	20.00000	48.00000	1.04964	-1.04342	-.06628	.48040	.44005
47.420	20.000	30.77000	20.00000	48.00000	1.07063	-1.03299	-.03977	.64750	.34226
	GRADIENT	.00000	.00000	.00000	-.00054	-.00252	.01280	.03205	-.02040

ARC40X80-462(OA100) OV101 (KNAOIK) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XC		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 10/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.410	-36.343	29.66000	.00000	47.00000	1.07259	-.98178	-.22800	.12679	.69257
47.600	-31.143	29.66000	.00000	48.00000	1.07259	-1.00289	-.21459	.14793	.68267
47.670	-26.002	29.66000	.00000	48.00000	1.09383	-.99234	-.21459	.16906	.69257
47.550	-20.742	29.66000	.00000	48.00000	1.08321	-.99234	-.20118	.12679	.70246
47.580	-15.601	29.66000	.00000	47.50000	1.08321	-1.00289	-.20118	.12679	.69257
47.670	-10.401	29.66000	.00000	48.00000	1.08321	-.97122	-.22800	.14793	.70246
47.780	-5.200	29.66000	.00000	48.00000	1.07259	-.99234	-.20118	.16906	.69257
47.640	-.060	29.66000	.00000	47.50000	1.07259	-.99234	-.20118	.10566	.69257
47.540	5.141	29.66000	.00000	48.00000	1.07259	-.99234	-.22800	.12679	.69257
47.490	10.281	29.66000	.00000	47.50000	1.07259	-.97122	-.20118	.14793	.70246
47.580	15.482	29.66000	.00000	47.50000	1.08321	-.96067	-.21459	.12679	.69257
47.470	20.682	29.66000	.00000	47.50000	1.08321	-.97122	-.20118	.12679	.72225
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNAOIL) (16 MAR 82)

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	=	.3600					

PARAMETRIC DATA

ALPHA	=	5.000	BETA	=	.000
AILRON	=	.000	BDFLAP	=	.000
SPDBRK	=	25.000	RUDDER	=	.000

RUN NO. 11/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.520	-36.343	29.66000	5.00000	47.50000	1.06945	-.99943	-.04012	.21071	.75959
47.610	-31.143	29.66000	5.00000	47.50000	1.06945	-.99996	-.05349	.21071	.78919
47.540	-26.002	29.66000	5.00000	47.50000	1.08004	-.96838	-.04012	.21071	.77933
47.510	-20.742	29.66000	5.00000	47.50000	1.08004	-.96838	-.06686	.21071	.78919
47.510	-15.601	29.66000	5.00000	47.50000	1.06945	-.96838	-.04012	.21071	.79905
47.550	-10.401	29.66000	5.00000	47.50000	1.06945	-.97891	-.04012	.23178	.76946
47.510	-5.260	29.66000	5.00000	47.50000	1.06945	-.98943	-.02675	.18963	.77933
47.610	-.060	29.66000	5.00000	47.50000	1.10122	-.97891	-.01337	.21071	.77933
47.450	5.081	29.66000	5.00000	47.50000	1.09063	-.96838	-.04012	.23178	.77933
47.500	10.341	29.66000	5.00000	47.50000	1.06945	-.96838	-.05349	.23178	.78919
47.710	15.482	29.66000	5.00000	47.50000	1.08004	-.96838	-.05349	.21071	.79905
47.420	20.682	29.66000	5.00000	47.50000	1.06945	-.96838	-.04012	.21071	.79905
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA01M) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	.000	BOFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 12/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.660	-36.343	29.66000	10.00000	47.50000	1.08744	-.97605	.04000	.25211	.82623
47.590	-31.143	29.66000	10.00000	47.50000	1.07689	-.95506	.04000	.23110	.81639
47.530	-26.002	29.66000	10.00000	48.00000	1.06633	-.97605	.04000	.23110	.82623
47.620	-20.802	29.66000	10.00000	47.50000	1.08744	-.96555	.00000	.25211	.81639
47.460	-15.601	29.66000	10.00000	47.50000	1.07689	-.96555	.04000	.25211	.80656
47.530	-10.401	29.66000	10.00000	47.50000	1.07689	-.96555	.01333	.23110	.80656
47.500	-5.200	29.66000	10.00000	47.50000	1.06633	-.96555	-.01333	.21009	.81639
47.500	.060	29.66000	10.00000	48.00000	1.07689	-.96555	.01333	.21009	.81639
47.350	5.141	29.66000	10.00000	47.50000	1.06633	-.96555	.00000	.27312	.81639
47.430	10.281	29.66000	10.00000	47.50000	1.07689	-.96555	.02667	.18908	.82623
47.460	15.541	29.66000	10.00000	47.50000	1.07689	-.95506	.02667	.25211	.82623
47.380	20.622	29.66000	10.00000	47.50000	1.08744	-.95506	-.02667	.23110	.83607
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(DECREASING ELEVON) (KNAOIN) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 13/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.380	-36.343	29.66000	10.00000	47.50000	1.08744	-.97605	.02667	.23110	.81639
47.430	-31.143	29.66000	10.00000	47.50000	1.06633	-.95506	.01333	.23110	.80656
47.440	-25.942	29.66000	10.00000	47.50000	1.06633	-.96555	.01333	.23110	.82623
47.350	-20.742	29.66000	10.00000	47.50000	1.06633	-.96555	.01333	.18908	.81639
47.340	-15.541	29.66000	10.00000	47.50000	1.07689	-.96555	-.01333	.23110	.81639
47.340	-10.461	29.66000	10.00000	47.50000	1.06633	-.96555	.00000	.18908	.83607
47.260	-5.200	29.66000	10.00000	47.50000	1.06633	-.96555	.04000	.23110	.80656
47.300	.000	29.66000	10.00000	47.50000	1.06633	-.96555	.02667	.21009	.81639
47.260	5.111	29.66000	10.00000	47.50000	1.06633	-.95506	.01333	.21009	.82623
47.510	10.281	29.66000	10.00000	47.50000	1.07689	-.96555	.00000	.23110	.82623
47.530	15.541	29.66000	10.00000	47.50000	1.06633	-.96555	.00000	.25211	.83607
47.400	20.622	29.66000	10.00000	48.00000	1.07689	-.98654	.02667	.18908	.82623
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA010) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 27/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.630	-36.343	30.77000	15.00000	48.00000	1.06322	-1.04646	-.01329	.18853	.84344
47.880	-31.143	30.77000	15.00000	48.00000	1.07375	-1.04646	-.02659	.14663	.83363
47.570	-26.002	30.77000	15.00000	48.00000	1.06322	-1.04646	-.02659	.16758	.81402
47.550	-20.742	30.77000	15.00000	48.00000	1.05270	-1.04646	-.03988	.16758	.83363
47.520	-15.601	30.77000	15.00000	47.50000	1.05270	-1.04646	.00000	.12569	.82382
47.720	-10.401	30.77000	15.00000	48.00000	1.06322	-1.05692	-.01329	.16758	.83363
47.480	-5.200	30.77000	15.00000	47.50000	1.05270	-1.05692	-.02659	.16758	.82382
47.560	.000	30.77000	15.00000	48.00000	1.06322	-1.04646	-.03988	.14663	.83363
47.560	5.141	30.77000	15.00000	48.00000	1.05270	-1.04646	-.03988	.16758	.82382
47.570	10.281	30.77000	15.00000	48.00000	1.05270	-1.05692	-.02659	.14663	.83363
47.790	15.482	30.77000	15.00000	48.00000	1.09480	-1.05692	-.03988	.14663	.84344
47.430	20.637	30.77000	15.00000	48.00000	1.06322	-1.04646	-.02659	.14663	.81402
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (KNA01P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 28/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.610	-36.343	30.77000	20.00000	48.00000	1.07063	-1.05385	-.17233	.08355	.75298
47.620	-31.143	30.77000	20.00000	48.00000	1.06014	-1.05385	-.17233	.08355	.75298
47.500	-25.942	30.77000	20.00000	48.00000	1.07063	-1.05385	-.17233	.06266	.76276
47.700	-20.712	30.77000	20.00000	48.00000	1.07063	-1.05385	-.17233	.06266	.76276
47.670	-15.601	30.77000	20.00000	48.00000	1.04964	-1.05385	-.17233	.06266	.75298
47.810	-10.401	30.77000	20.00000	48.00000	1.06014	-1.05385	-.19884	.06266	.76276
47.510	-5.200	30.77000	20.00000	48.00000	1.04964	-1.05385	-.18559	.06266	.74320
47.560	-.030	30.77000	20.00000	48.00000	1.06014	-1.05385	-.17233	.06266	.76276
47.750	5.141	30.77000	20.00000	48.00000	1.07063	-1.05385	-.18559	.06266	.75298
47.560	10.341	30.77000	20.00000	48.00000	1.06014	-1.05385	-.19884	.04177	.73342
47.760	15.541	30.77000	20.00000	47.50000	1.06014	-1.04342	-.21210	.04177	.75298
47.650	20.682	30.77000	20.00000	48.00000	1.08113	-1.05385	-.18559	.02089	.75298
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (KNA01Q) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 29/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.700	-.045	30.77000	.00000	48.00000	1.06197	-1.07679	-.21459	.06340	.71236
47.690	2.570	30.77000	.00000	48.00000	1.07259	-1.06624	-.21459	.08453	.72225
47.620	5.141	30.77000	.00000	48.00000	1.06197	-1.07679	-.21459	.10566	.70246
47.590	7.711	30.77000	.00000	48.00000	1.07259	-1.07679	-.24142	.08453	.69257
47.610	10.281	30.77000	.00000	48.00000	1.07259	-1.07679	-.24142	.10566	.70246
47.630	15.541	30.77000	.00000	47.50000	1.06197	-1.07679	-.24142	.10566	.70246
	GRADIENT	.00000	.00000	-.00000	.00106	.00403	.00000	.00808	.00378

ARC40X80-462(OA100) OV101 (KNA01R) (16 MAR 82)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	ALPHA	=	5.000	BETA = .000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	ELEVON	=	.000	BDFLAP = .000
BREF	=	938.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDBRK	=	25.000	RUDDER = .000
SCALE	=	.3600									

PARAMETRIC DATA

RUN NO. 30/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.600	-.045	30.77000	5.00000	48.00000	1.08004	-1.06311	-.02675	.14749	.81878
47.660	2.570	30.77000	5.00000	48.00000	1.06945	-1.06311	-.04012	.14749	.78919
47.650	5.141	30.77000	5.00000	48.00000	1.05886	-1.06311	-.01337	.21071	.79905
47.570	7.741	30.77000	5.00000	47.50000	1.06945	-1.07364	-.04012	.16856	.78919
47.610	10.311	30.77000	5.00000	48.00000	1.05886	-1.07364	-.02675	.16856	.78919
47.570	15.541	30.77000	5.00000	47.50000	1.05886	-1.07364	.00000	.18963	.80892
	GRADIENT	.00000	-.00000	-.00000	-.00405	.00000	-.00511	-.00000	-.01132

ARC40X80-462(OA100) OV101 (KNA01S) (16 MAR 82)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	ALPHA	=	10.000	BETA = .000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	ELEVON	=	.000	BDFLAP = .000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDBRK	=	25.000	RUDDER = .000
SCALE	=	.3600									

PARAMETRIC DATA

RUN NO. 31/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.670	-.060	30.77000	10.00000	48.00000	1.05577	-1.06001	.00000	.16807	.82623
47.530	2.570	30.77000	10.00000	47.50000	1.05577	-1.07050	.04000	.21009	.82623
47.690	5.141	30.77000	10.00000	47.50000	1.05577	-1.06001	.04000	.23110	.83607
47.590	7.711	30.77000	10.00000	47.50000	1.05577	-1.08100	.04000	.23110	.81639
47.650	10.281	30.77000	10.00000	48.00000	1.06633	-1.07050	.01333	.18908	.83607
47.710	15.541	30.77000	10.00000	47.50000	1.06633	-1.08100	.05333	.16807	.82623
	GRADIENT	.00000	.00000	-.19011	.00000	-.00399	.01521	.01598	.00000

ARC40X80-462(OA100) OV101(DECREASING AILERON) (KNACIT) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 32/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.600	.000	30.77000	10.00000	48.00000	1.05577	-1.10199	.01333	.21009	.83607
47.610	2.570	30.77000	10.00000	47.50000	1.05577	-1.08100	.01333	.18908	.82623
47.690	5.141	30.77000	10.00000	47.50000	1.05577	-1.07050	.04000	.21009	.81639
47.670	7.771	30.77000	10.00000	48.00000	1.06633	-1.07050	.02667	.18908	.82623
47.670	10.341	30.77000	10.00000	48.00000	1.05577	-1.07050	.01333	.21009	.82623
47.610	15.541	30.77000	10.00000	47.50000	1.07689	-1.08100	.04000	.18908	.81639
	GRADIENT	.00000	.00000	-.19453	.00000	.00817	.00000	-.00817	-.00383

ARC40X80-462(OA100) OV101 (KNAOIU) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 33/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.570	-.015	30.77000	15.00000	48.00000	1.05270	-1.07785	-.01329	.14663	.84344
47.700	2.570	30.77000	15.00000	48.00000	1.05270	-1.05692	.00000	.14663	.83363
47.690	5.170	30.77000	15.00000	48.00000	1.07375	-1.06739	-.01329	.14663	.83363
47.620	7.711	30.77000	15.00000	48.00000	1.06322	-1.07785	-.01329	.14663	.84344
47.590	10.281	30.77000	15.00000	48.00000	1.06322	-1.06739	.01329	.14663	.82382
47.490	15.527	30.77000	15.00000	48.00000	1.08428	-1.06739	.01329	.14663	.82382
	GRADIENT	.00000	.00000	.00000	.00000	.00810	.00514	.00000	-.00379

ARC40X80-462(OA100) OV101 (KNA01V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 34/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.650	.000	30.77000	20.00000	48.00000	1.07063	-1.06429	-.17233	.04177	.76276
47.580	2.570	30.77000	20.00000	48.00000	1.04964	-1.06429	-.17233	.08355	.75298
47.650	5.185	30.77000	20.00000	48.00000	1.07063	-1.06429	-.15908	.04177	.75298
47.670	7.711	30.77000	20.00000	48.00000	1.04964	-1.06429	-.17233	.04177	.74320
47.640	10.341	30.77000	20.00000	48.00000	1.06014	-1.06429	-.19884	.06266	.78232
47.430	15.541	30.77000	20.00000	48.00000	1.06014	-1.06429	-.18559	.04177	.74320
	GRADIENT	.00000	.00000	.00000	-.00817	.00000	.00000	.01625	-.00380

ARC40X80-462(OA100) OV101 (KNA01W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 50/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.600	.064	29.86000	.00000	49.00000	1.10445	.01056	-.18777	.14793	.67278
47.580	2.544	29.86000	.00000	48.50000	1.09383	.00000	-.20118	.14793	.67278
47.740	5.068	29.86000	.00000	49.00000	1.10445	-.01056	-.22800	.14793	.67278
47.600	7.578	29.86000	.00000	49.00000	1.10445	.00000	-.21459	.14793	.67278
47.600	10.044	29.86000	.00000	49.00000	1.08321	.01056	-.22800	.16906	.67278
47.740	12.896	29.86000	.00000	48.50000	1.09383	.01056	-.25483	.12679	.67278
	GRADIENT	.00000	.00000	-.20160	-.00428	-.00426	-.00541	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA01X) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	5.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	10.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 51/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.550	.049	29.86000	5.00000	48.50000	1.09063	.01053	-.05349	.27392	.76946
47.650	2.544	29.86000	5.00000	48.50000	1.08004	.00000	-.02675	.23178	.76946
47.580	5.068	29.86000	5.00000	48.50000	1.09063	.00000	-.02675	.23178	.77933
47.540	7.578	29.86000	5.00000	48.50000	1.10122	.01053	-.04012	.23178	.76946
47.710	10.028	29.86000	5.00000	48.50000	1.09063	.02105	-.04012	.21071	.76946
47.460	12.896	29.86000	5.00000	48.50000	1.09063	.01053	-.04012	.23178	.76946
	GRADIENT	-.00000	-.00000	.00000	-.00425	-.00422	.01072	-.01689	.00000

ARC40X80-462(OA100) OV101 (KNA01Y) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	10.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	10.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 52/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.580	.049	29.86000	10.00000	48.50000	1.10856	.00000	.01333	.21009	.81639
47.430	2.544	29.86000	10.00000	48.50000	1.08744	.00000	.01333	.25211	.80656
47.430	5.024	29.86000	10.00000	48.50000	1.11912	.00000	.01333	.25211	.82623
47.400	7.578	29.86000	10.00000	48.50000	1.09800	.00000	.01333	.23110	.80656
47.480	10.028	29.86000	10.00000	49.00000	1.10856	.00000	.01333	.23110	.81639
47.370	12.896	29.86000	10.00000	48.50000	1.08744	.00000	.02667	.23110	.81639
	GRADIENT	.00000	-.00000	.00000	-.00847	.00000	-.00000	.01684	-.00394

ARC40X80-462(0A100) OV101 (KNA01Z) (16 MAR 82)

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 =	.3600								

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 53/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.600	.050	29.92000	15.00000	48.00000	1.08428	.00000	-.02659	.18853	.82382
47.750	2.559	29.92000	15.00000	48.50000	1.08428	.00000	-.01329	.18853	.82382
47.780	5.068	29.92000	15.00000	48.00000	1.09480	.00000	-.01329	.20948	.84344
47.690	7.564	29.92000	15.00000	48.50000	1.10533	.00000	-.02659	.18853	.83363
47.700	10.043	29.92000	15.00000	48.50000	1.08428	.00000	-.02659	.18853	.82382
47.670	12.896	29.92000	15.00000	48.50000	1.08428	.00000	-.01329	.20948	.82382
	GRADIENT	-.00000	-.00000	.19926	-.00000	.00000	.00530	-.00000	-.00000

ARC40X80-462(0A100) OV101 (KNA02A) (16 MAR 82)

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 =	.3600								

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 54/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.540	.034	29.92000	20.00000	48.00000	1.10212	-.01043	-.17233	.10443	.75298
47.680	2.559	29.92000	20.00000	48.00000	1.10212	.00000	-.17233	.12532	.75298
47.590	5.039	29.92000	20.00000	48.00000	1.09163	.00000	-.18559	.14621	.75298
47.620	7.563	29.92000	20.00000	48.00000	1.10212	.00000	-.21210	.12532	.75298
47.530	10.043	29.92000	20.00000	48.00000	1.09163	.00000	-.15908	.12532	.74320
47.520	12.896	29.92000	20.00000	48.00000	1.10212	.00000	-.17233	.12532	.76276
	GRADIENT	.00000	.00000	.00000	-.00000	.00413	.00000	.00827	-.00000

ARC40X80-462(OA100) OV101 (KNA02B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 55/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.620	-.078	29.92000	.00000	48.50000	1.09383	.00000	-.24142	.16906	.68267
47.760	2.460	29.92000	.00000	48.50000	1.10445	.00000	-.24142	.14793	.69257
47.760	4.985	29.92000	.00000	48.00000	1.10445	.00000	-.24142	.16906	.68267
47.580	7.465	29.92000	.00000	48.00000	1.09383	.02111	-.28165	.14793	.68267
47.590	10.020	29.92000	.00000	48.00000	1.09383	.00000	-.24142	.12679	.68267
47.360	15.069	29.92000	.00000	47.50000	1.11507	.00000	-.24142	.14793	.68267
	GRADIENT	.00000	.00000	-.09866	.00210	.00000	.00000	-.00001	.00000

ARC40X80-462(OA100) OV101 (KNA02C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 56/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.640	-.034	29.92000	5.00000	48.50000	1.10122	.00000	-.05349	.25285	.77933
47.660	2.461	29.92000	5.00000	48.50000	1.09063	-.01053	-.06686	.23178	.77933
47.670	4.985	29.92000	5.00000	48.50000	1.10122	.00000	-.06686	.27392	.78905
47.670	7.480	29.92000	5.00000	48.50000	1.09063	-.01053	-.06686	.25285	.78905
47.570	10.020	29.92000	5.00000	48.50000	1.08004	-.01053	-.06686	.25285	.79905
47.320	15.054	29.92000	5.00000	48.00000	1.08004	.00000	-.06686	.23178	.78919
	GRADIENT	-.00000	.00000	-.00000	.00001	.00001	-.00266	.00422	.00394

ARC40X80-462(OA100) OV101 (KNA02D) (16 MAR 82)

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 =	.3600						

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 57/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.760	-.064	29.87000	10.00000	48.00000	1.08744	.01050	.01333	.25211	.83607
47.770	2.461	29.87000	10.00000	48.00000	1.08744	.01050	.02667	.25211	.83607
47.800	4.956	29.87000	10.00000	48.00000	1.08744	.01050	.01333	.27312	.82623
47.880	7.495	29.87000	10.00000	48.50000	1.08744	.01050	.01333	.23110	.83607
47.690	10.020	29.87000	10.00000	48.00000	1.08744	.02099	.01333	.25211	.81639
47.640	15.039	29.87000	10.00000	48.00000	1.08744	.01050	.01333	.25211	.82623
	GRADIENT	.00000	-.00000	-.00000	-.00000	-.00000	.00001	.00418	-.00196

ARC40X80-462(OA100) OV101 (KNA02E) (16 MAR 82)

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 =	.3600						

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 58/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.510	-.064	29.87000	15.00000	48.00000	1.08428	.01046	-.01329	.18853	.84344
47.450	2.461	29.87000	15.00000	47.00000	1.07375	.01046	-.01329	.18853	.83363
47.560	4.971	29.87000	15.00000	48.00000	1.06322	.01046	-.01329	.18853	.84344
47.500	7.465	29.87000	15.00000	48.00000	1.06322	.01046	-.02659	.18853	.83363
47.370	10.020	29.87000	15.00000	48.00000	1.07375	.01046	-.02659	.20948	.84344
47.570	15.055	29.87000	15.00000	48.00000	1.08428	.01046	.00000	.18853	.83363
	GRADIENT	-.00000	.00000	-.00038	-.00418	.00000	.00000	.00000	-.00000

ARC40X80-462(OA100) OV101 (KNA02F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 59/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
45.310	-.064	29.87000	20.00000	50.00000	1.01815	.01043	-.15908	.10443	.73342
47.090	2.461	29.87000	20.00000	47.00000	1.04964	.01043	-.17233	.08355	.77254
47.600	4.971	29.87000	20.00000	48.00000	1.07063	.02087	-.17233	.10443	.76276
47.390	7.480	29.87000	20.00000	47.00000	1.06014	.01043	-.18559	.12532	.76276
47.470	10.020	29.87000	20.00000	48.00000	1.06014	.01043	-.17233	.12532	.76276
47.360	15.010	29.87000	20.00000	48.00000	1.07063	.01043	-.18559	.10443	.76276
	GRADIENT	-.00000	.00000	-.39805	.01043	.00207	-.00264	-.00001	.00584

ARC40X80-462(OA100) OV101 (KNA02G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 70/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
48.060	-.053	29.83000	.00000	48.50000	1.09383	.00000	-.22800	.14793	.69257
47.800	2.441	29.83000	.00000	47.50000	1.08321	.01056	-.21459	.12679	.68267
47.850	4.966	29.83000	.00000	48.50000	1.09383	.01056	-.24142	.12679	.72225
47.690	7.475	29.83000	.00000	48.50000	1.09383	.01056	-.25483	.12679	.69257
47.660	10.000	29.83000	.00000	48.50000	1.08321	.01056	-.25483	.14793	.67278
47.530	15.005	29.83000	.00000	47.50000	1.08321	.02111	-.22800	.12679	.68267
	GRADIENT	-.00000	.00000	.00082	.00001	.00210	-.00269	-.00420	.00593

ARC40X80-462(OA100) OV101 (KNA02H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 71/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.420	-.068	29.83000	5.00000	49.50000	1.08004	.01053	-.04012	.25285	.78919
47.380	2.456	29.83000	5.00000	47.50000	1.05886	.01053	-.06686	.21071	.76946
47.560	4.956	29.83000	5.00000	47.50000	1.06945	.01053	-.05349	.21071	.75959
47.530	7.476	29.83000	5.00000	47.50000	1.08004	.01053	-.05349	.21071	.78919
47.490	9.986	29.83000	5.00000	47.50000	1.06945	.01053	-.04012	.21071	.76946
47.450	15.020	29.83000	5.00000	47.50000	1.08004	.01053	-.05349	.21071	.76946
	GRADIENT	.00000	-.00000	-.39767	-.00211	.00000	-.00266	-.00838	-.00588

ARC40X80-462(OA100) OV101 (KNA02I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 72/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.650	-.053	29.83000	10.00000	47.50000	1.06633	.01050	.01333	.25211	.81639
47.620	2.442	29.83000	10.00000	48.50000	1.07689	.01050	.01333	.23110	.82623
47.580	5.409	29.83000	10.00000	47.50000	1.06633	.02099	.01333	.25211	.81639
47.500	7.491	29.83000	10.00000	47.50000	1.06633	.01050	.01333	.25211	.81639
47.460	10.000	29.83000	10.00000	47.50000	1.06633	.01050	.01333	.23110	.82623
47.370	15.035	29.83000	10.00000	47.50000	1.06633	.01050	.00000	.23110	.81639
	GRADIENT	.00000	.00000	.40087	.00423	.00000	.00000	-.00842	.00394

ARC40X80-462(OA100) OV101 (KNA02J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 73/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.540	-.053	29.83000	15.00000	47.50000	1.06322	.01046	.00000	.18853	.82382
47.580	2.456	29.83000	15.00000	47.50000	1.06322	.01046	.00000	.20948	.83363
47.480	4.966	29.83000	15.00000	47.50000	1.06322	.00000	.01329	.18853	.83363
47.420	7.491	29.83000	15.00000	49.00000	1.06322	-.01046	.01329	.16758	.83363
47.350	9.970	29.83000	15.00000	47.50000	1.06322	.02093	-.01329	.18853	.81402
47.430	15.020	29.83000	15.00000	47.50000	1.06322	.00000	.01329	.18853	.82382
	GRADIENT	.00000	-.00000	-.00000	.00000	-.00209	.00265	-.00000	.00195

ARC40X80-462(OA100) OV101 (KNA02K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 74/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.470	-.068	29.83000	20.00000	48.50000	1.07063	.01043	-.14582	.14621	.75298
47.470	2.456	29.83000	20.00000	47.50000	1.07063	.01043	-.14582	.12532	.74320
47.410	4.981	29.83000	20.00000	47.50000	1.06014	.01043	-.14582	.10443	.75298
47.390	7.461	29.83000	20.00000	47.50000	1.08113	.00000	-.14582	.10443	.77254
47.330	9.986	29.83000	20.00000	47.50000	1.08113	.01043	-.11931	.12532	.74320
47.780	15.020	29.83000	20.00000	48.50000	1.07063	.01043	-.15908	.14621	.76276
	GRADIENT	-.00000	-.00000	-.19805	-.00208	-.00000	.00000	-.00827	.00000

ARC40X80-462(OA100) OV101 (KNA02L) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 60/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.680	.000	29.86000	.00000	47.00000	1.09383	.02111	-.33530	.21132	.53427
47.880	2.524	29.86000	.00000	48.00000	1.09383	.01056	-.32189	.23246	.51448
47.850	5.005	29.86000	.00000	48.00000	1.10445	.01056	-.33530	.21132	.50459
47.800	7.514	29.86000	.00000	48.00000	1.08321	.01056	-.33530	.21132	.53427
47.730	10.024	29.86000	.00000	48.00000	1.08321	.01056	-.34871	.21132	.53427
47.790	15.088	29.86000	.00000	48.00000	1.10445	.01056	-.34871	.19019	.53427
	GRADIENT	.00000	.00000	.39612	.00000	-.00418	.00531	.00837	-.00784

ARC40X80-462(OA100) OV101 (KNA02M) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 61/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.920	.000	29.86000	5.00000	48.00000	1.09063	.01053	-.10698	.33713	.63135
47.840	2.510	29.86000	5.00000	48.00000	1.08004	.00000	-.09361	.33713	.63135
47.740	4.990	29.86000	5.00000	48.00000	1.08004	.02105	-.12035	.33713	.63135
47.700	7.514	29.86000	5.00000	47.00000	1.09063	.01053	-.09361	.33713	.64122
47.820	10.009	29.86000	5.00000	48.00000	1.09063	.01053	-.09361	.33713	.62149
47.620	15.058	29.86000	5.00000	48.00000	1.08004	.01053	-.08024	.33713	.63135
	GRADIENT	.00000	-.00000	-.00000	-.00213	.00210	-.00266	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA02N) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 62/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.830	.000	29.86000	10.00000	48.00000	1.07689	.00000	.00000	.39917	.70820
47.820	2.495	29.86000	10.00000	48.00000	1.07689	.01050	.00000	.35715	.70820
47.780	5.005	29.86000	10.00000	48.00000	1.07689	.01050	.00000	.33614	.70820
47.670	7.499	29.86000	10.00000	48.00000	1.07689	.01050	.00000	.35715	.70820
47.670	10.024	29.86000	10.00000	48.00000	1.07689	.01050	.00000	.35715	.70820
47.800	15.088	29.86000	10.00000	48.00000	1.06633	.00000	-.01333	.35715	.69836
	GRADIENT	.00000	.00000	.00000	.00000	.00421	.00000	-.01684	.00000

ARC40X80-462(OA100) OV101 (KNA020) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 63/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.700	.000	29.86000	15.00000	48.00000	1.07375	.01046	-.01329	.35611	.69633
47.800	2.524	29.86000	15.00000	48.00000	1.07375	.00000	.00000	.33517	.68652
47.750	5.005	29.86000	15.00000	48.00000	1.08428	.00000	-.01329	.31422	.74537
47.700	7.499	29.86000	15.00000	48.00000	1.06322	.00000	-.01329	.33517	.72575
47.770	10.024	29.86000	15.00000	48.00000	1.06322	.01046	-.01329	.31422	.70613
47.900	15.058	29.86000	15.00000	48.00000	1.07375	.02093	-.01329	.31422	.70594
	GRADIENT	.00000	.00000	.00000	.00000	-.00415	.00527	-.00830	-.00388

ARC40X80-462(0A100) 0V101 (KNA02P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 64/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.710	.000	29.86000	20.00000	48.50000	1.06014	.01043	-.13256	.25065	.65519
48.030	2.524	29.86000	20.00000	48.00000	1.07063	.01043	-.13256	.25065	.65519
47.850	5.020	29.86000	20.00000	48.00000	1.07063	.01043	-.13256	.25065	.66497
47.840	7.499	29.86000	20.00000	48.00000	1.07063	.01043	-.11931	.25065	.64541
47.810	10.009	29.86000	20.00000	48.00000	1.09163	.01043	-.17233	.25065	.65519
47.700	15.073	29.86000	20.00000	48.00000	1.07063	.00000	-.13256	.25065	.66497
	GRADIENT	.00000	.00000	-.19806	.00416	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (KNA02Q) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 65/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.570	.035	29.86000	.00000	47.00000	1.06197	.01056	-.32189	.19019	.53427
47.800	2.559	29.86000	.00000	48.00000	1.07259	.01056	-.32189	.19019	.52437
47.770	5.068	29.86000	.00000	48.00000	1.06197	.01056	-.32189	.19019	.51448
47.740	7.533	29.86000	.00000	47.00000	1.06197	.01056	-.30848	.19019	.51448
47.730	10.043	29.86000	.00000	48.00000	1.07259	.02111	-.32189	.19019	.51448
47.770	12.896	29.86000	.00000	48.00000	1.08321	.01056	-.32189	.21132	.51448
	GRADIENT	.00000	.00000	.39622	.00421	-.00000	.00000	-.00000	-.00392

ARC40X80-462(0A100) 0V101 (KNA02R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 66/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.850	.049	29.86000	5.00000	48.00000	1.06945	.01053	-.08024	.31606	.63135
47.690	2.553	29.86000	5.00000	48.00000	1.06945	.01053	-.10698	.31606	.64122
47.780	5.024	29.86000	5.00000	48.00000	1.06945	.01053	-.05349	.31606	.64122
47.750	7.518	29.86000	5.00000	48.50000	1.05886	.01053	-.08024	.31606	.64122
47.710	10.043	29.86000	5.00000	47.00000	1.06945	.01053	-.05349	.29499	.63135
47.610	12.896	29.86000	5.00000	48.00000	1.05886	.01053	-.08024	.33713	.63135
	GRADIENT	-.00000	.00000	.00000	-.00000	-.00000	-.01066	-.00000	.00393

ARC40X80-462(0A100) 0V101 (KNA02S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 67/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.830	.049	29.86000	10.00000	48.00000	1.06633	.00000	.01333	.31514	.68852
47.440	2.559	29.86000	10.00000	48.50000	1.05577	.00000	.00000	.29413	.69836
47.780	5.068	29.86000	10.00000	48.00000	1.06633	.00000	.00000	.33614	.69836
47.740	7.578	29.86000	10.00000	48.00000	1.06633	.01050	.01333	.33614	.69836
47.710	10.043	29.86000	10.00000	48.00000	1.05577	.01050	-.01333	.31514	.69836
47.810	12.896	29.86000	10.00000	48.00000	1.06633	.01050	.01333	.35715	.71803
	GRADIENT	-.00000	.00000	.19925	-.00421	.00000	-.00531	-.00837	.00392

ARC40X80-462(0A100) 0V101 (KNA02T) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	15.000	BETA =	5.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	10.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 68/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.580	.049	29.86000	15.00000	47.00000	1.05270	.01046	.00000	.29327	.72575
47.690	2.543	29.86000	15.00000	48.00000	1.06322	.01046	.00000	.27232	.70613
47.710	5.038	29.86000	15.00000	48.00000	1.06322	.02093	.00000	.29327	.69633
47.740	7.534	29.86000	15.00000	48.50000	1.06322	.01046	.01329	.29327	.70613
47.700	10.058	29.86000	15.00000	48.00000	1.06322	.01046	-.01329	.29327	.70613
47.800	12.896	29.86000	15.00000	48.00000	1.06322	.00000	.00000	.29327	.69633
	GRADIENT	-.00000	.00000	.40095	.00422	-.00000	.00000	-.00840	-.00786

ARC40X80-462(0A100) 0V101 (KNA02U) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	20.000	BETA =	5.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	10.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 69/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.550	.064	29.86000	20.00000	48.00000	1.07063	.00000	-.13256	.22976	.64541
47.680	2.559	29.86000	20.00000	48.00000	1.07063	.01043	-.09279	.22976	.65519
47.610	5.054	29.86000	20.00000	48.00000	1.06014	.00000	-.13256	.22976	.67475
47.460	7.534	29.86000	20.00000	48.50000	1.04964	.00000	-.10605	.25065	.64541
47.300	10.058	29.86000	20.00000	48.50000	1.08113	.00000	-.11931	.22976	.64541
47.320	12.896	29.86000	20.00000	48.50000	1.06014	-.01043	-.10605	.25065	.64541
	GRADIENT	.00000	.00000	.00000	.00000	.00418	.01595	.00000	.00392

ARC40X80-462(OA100) OV101 (KNA02V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 75/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.400	.000	29.82000	.00000	49.50000	1.08321	-.01056	-.40236	.29585	.34628
47.360	2.524	29.82000	.00000	47.50000	1.08321	.00000	-.41577	.27472	.35618
47.470	5.005	29.82000	.00000	49.50000	1.08321	.00000	-.41577	.27472	.36607
47.420	7.514	29.82000	.00000	47.50000	1.08321	.00000	-.38895	.27472	.36607
47.490	10.009	29.82000	.00000	47.50000	1.07259	.00000	-.42919	.27472	.35618
47.360	15.058	29.82000	.00000	49.50000	1.07259	.00000	-.41577	.27472	.33639
	GRADIENT	.00000	.00000	-.79224	.00000	.00418	-.00531	-.00837	.00392

ARC40X80-462(OA100) OV101 (KNA02W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 76/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.750	.000	29.82000	5.00000	47.50000	1.08004	.00000	-.16047	.40034	.50311
47.750	2.509	29.82000	5.00000	47.50000	1.08004	.01053	-.14710	.37927	.51297
47.660	4.990	29.82000	5.00000	47.50000	1.08004	.00000	-.14710	.40034	.50311
47.580	7.514	29.82000	5.00000	49.50000	1.06945	.00000	-.12035	.40034	.50311
47.440	10.024	29.82000	5.00000	47.50000	1.06945	.00000	-.16047	.40034	.52284
47.440	15.058	29.82000	5.00000	49.50000	1.06945	.00000	-.14710	.40034	.50311
	GRADIENT	.00000	.00000	.00000	.00000	.00001	.00269	-.00002	.00001

ARC40X80-462(OA100) OV101 (KNA02X) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	10.000	BETA =	10.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 77/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.680	.000	29.82000	10.00000	47.50000	1.07689	.01050	-.01333	.46220	.59016
47.630	2.509	29.82000	10.00000	47.50000	1.07689	.00000	-.01333	.46220	.56066
47.600	5.019	29.82000	10.00000	47.50000	1.09800	.02099	-.01333	.46220	.57049
47.450	7.529	29.82000	10.00000	47.50000	1.06633	.00000	.00000	.48321	.57049
47.390	10.024	29.82000	10.00000	47.50000	1.08744	.00000	-.01333	.46220	.56066
47.370	15.058	29.82000	10.00000	47.50000	1.07689	.00000	.00000	.46220	.57049
	GRADIENT	.00000	.00000	.00000	.00000	-.00418	.00000	.00000	-.01176

ARC40X80-462(OA100) OV101 (KNA02Y) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	15.000	BETA =	10.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 78/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.490	.000	29.85000	15.00000	49.00000	1.07375	.00000	.00000	.50275	.57864
47.420	2.481	29.85000	15.00000	49.50000	1.07375	.01046	.00000	.46085	.56883
47.490	5.005	29.85000	15.00000	49.00000	1.07375	.02093	.00000	.50275	.56883
47.420	7.514	29.85000	15.00000	47.50000	1.07375	.00000	.00000	.54464	.56883
47.270	10.024	29.85000	15.00000	47.50000	1.05270	.02093	.00000	.56559	.56883
47.500	15.088	29.85000	15.00000	47.50000	1.07375	.00000	.01329	.50275	.56883
	GRADIENT	.00000	.00000	.20154	.00000	.00422	.00000	-.01689	-.00395

ARC40X80-462(0A100) 0V101 (KNA02Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 79/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.610	.000	29.85000	20.00000	47.50000	1.09163	.00000	-.09279	.48040	.52806
47.510	2.510	29.85000	20.00000	47.50000	1.08113	.00000	-.09279	.48040	.52806
47.470	5.020	29.85000	20.00000	47.50000	1.09163	.01043	-.09279	.45952	.52806
47.420	7.514	29.85000	20.00000	49.00000	1.07063	.02087	-.09279	.43863	.52806
47.380	10.009	29.85000	20.00000	47.50000	1.09163	.00000	-.10605	.48040	.52806
47.730	15.073	29.85000	20.00000	47.50000	1.09163	.00000	-.09279	.48040	.52806
	GRADIENT	.00000	.00000	.00000	-.00418	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (KNA03A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 80/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.370	.035	29.85000	.00000	47.50000	1.07259	.00000	-.38895	.35925	.33639
47.290	2.559	29.85000	.00000	47.50000	1.07259	.00000	-.44260	.33812	.34628
47.470	5.053	29.85000	.00000	47.50000	1.08321	.00000	-.41577	.31699	.33639
47.510	7.533	29.85000	.00000	47.50000	1.08321	.00000	-.42919	.33812	.32650
47.370	10.058	29.85000	.00000	47.50000	1.08321	.01056	-.38895	.29585	.33639
47.570	12.896	29.85000	.00000	49.00000	1.08321	.00000	-.41577	.31699	.33639
	GRADIENT	.00000	.00000	-.00000	.00000	.00000	-.02126	-.00837	.00392

ARC40X80-462(OA100) OV101 (KNA03B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 81/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.580	.010	29.85000	5.00000	47.50000	1.06945	.00000	-.12035	.48462	.48338
47.460	2.529	29.85000	5.00000	49.00000	1.09063	.00000	-.14710	.44248	.49324
47.450	5.054	29.85000	5.00000	47.50000	1.06945	.00000	-.14710	.46355	.48338
47.340	7.548	29.85000	5.00000	47.50000	1.06945	.02105	-.14710	.46355	.49324
47.720	10.043	29.85000	5.00000	47.50000	1.09063	.00000	-.13373	.46355	.50311
47.370	12.896	29.85000	5.00000	47.50000	1.06945	.00000	-.17385	.44248	.49324
	GRADIENT	.00000	.00000	.59555	.00841	.00000	-.01062	-.01673	.00392

ARC40X80-462(OA100) OV101 (KNA03C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 82/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.560	.064	29.85000	10.00000	49.00000	1.07689	.00000	.00000	.48321	.56066
47.530	2.543	29.85000	10.00000	47.50000	1.08744	.01050	-.02667	.46220	.56066
47.500	5.053	29.85000	10.00000	49.00000	1.06633	.00000	-.01333	.50422	.56066
47.540	7.563	29.85000	10.00000	47.50000	1.06633	.02099	-.02667	.52523	.54098
47.370	10.043	29.85000	10.00000	47.50000	1.06633	.01050	-.02667	.52523	.55082
47.080	12.895	29.85000	10.00000	47.50000	1.06633	.02099	-.02667	.50422	.56066
	GRADIENT	.00000	.00000	-.60512	.00426	.00423	-.01076	-.00848	-.00000

ARC40X80-462(OA100) OV101 (KNA03D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 83/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.350	.049	29.85000	15.00000	47.50000	1.07375	.00000	-.01329	.48180	.57864
47.310	2.543	29.85000	15.00000	47.50000	1.07375	.01046	-.01329	.50275	.57864
47.290	5.039	29.85000	15.00000	49.00000	1.07375	.00000	.00000	.43990	.57864
47.380	7.549	29.85000	15.00000	47.50000	1.07375	.00000	-.01329	.54464	.58845
47.350	10.028	29.85000	15.00000	47.50000	1.07375	.01046	.00000	.48180	.56883
47.360	12.896	29.85000	15.00000	47.50000	1.08428	.00000	.00000	.50275	.57864
	GRADIENT	-.00000	-.00000	-.00000	-.00000	.00420	.00000	.00840	.00000

ARC40X80-462(OA100) OV101 (KNA03E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 84/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.920	.035	29.82000	20.00000	48.00000	1.08113	.00000	-.10605	.41774	.56718
47.790	2.559	29.82000	20.00000	48.00000	1.07063	.00000	-.07954	.41774	.54762
47.750	5.038	29.82000	20.00000	48.00000	1.08113	.02087	-.09279	.41774	.57696
47.640	7.548	29.82000	20.00000	48.00000	1.07063	.00000	-.06628	.41774	.56718
47.520	10.058	29.82000	20.00000	48.00000	1.07063	.00000	-.10605	.41774	.54762
47.560	12.896	29.82000	20.00000	48.00000	1.06014	.00000	-.10605	.39685	.53794
	GRADIENT	-.00000	.00000	.00000	-.00416	.00000	.01050	-.00000	-.00775

ARC40X80-462(OA100) OV101 (KNA03F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 35/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.610	-11.543	29.83000	.00000	47.50000	1.09383	-.98178	-.28165	.12679	.68267
47.740	-.201	29.83000	.00000	48.00000	1.09383	-.99234	-.24142	.14793	.70246
47.830	.000	29.83000	.00000	48.00000	1.09383	-.99234	-.21459	.14793	.70246
47.850	16.360	29.83000	.00000	48.00000	1.09383	-.99234	-.26824	.14793	.68267
47.800	22.684	29.83000	.00000	48.00000	1.10445	-.98178	-.22800	.12679	.70246
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.13363	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA03G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 36/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.580	-11.543	29.83000	5.00000	48.00000	1.13298	-.97891	-.05349	.21071	.78919
47.730	-.201	29.83000	5.00000	48.00000	1.09063	-.97891	-.05349	.25285	.80892
47.630	16.561	29.83000	5.00000	48.00000	1.10122	-.97891	-.05349	.21071	.79905
47.510	22.684	29.83000	5.00000	47.50000	1.09063	-.95838	-.06686	.18963	.80892
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA03H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 37/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.700	-11.543	29.83000	10.00000	48.00000	1.09800	-.96555	-.01333	.25211	.83607
47.570	-.100	29.83000	10.00000	48.00000	1.08744	-.96555	.01333	.23110	.81639
47.350	16.561	29.83000	10.00000	47.50000	1.07689	-.95506	-.01333	.29413	.82623
47.070	22.684	29.83000	10.00000	47.00000	1.07689	-.95506	-.01333	.27312	.82623
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(DECREASING BDFLAP) (KNA03I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 38/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.810	-11.543	29.83000	10.00000	48.00000	1.09800	-.96555	.00000	.29413	.82623
47.910	-.100	29.83000	10.00000	48.00000	1.09800	-.96555	-.01333	.25211	.83607
47.740	16.461	29.83000	10.00000	48.00000	1.09800	-.95506	-.01333	.25211	.83607
47.360	22.583	29.83000	10.00000	47.50000	1.09800	-.95506	.00000	.21009	.82623
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA03J) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO			ALPHA =	15.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO			ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO			SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600										

PARAMETRIC DATA

RUN NO. 39/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.330	-11.543	29.83000	15.00000	47.50000	1.10533	-.95228	-.03988	.18853	.83363
47.320	-.201	29.83000	15.00000	47.00000	1.09480	-.94181	-.05318	.23043	.82382
47.410	16.360	29.83000	15.00000	47.50000	1.09480	-.94181	-.06647	.18853	.82382
47.490	22.684	29.83000	15.00000	47.50000	1.08428	-.94181	-.03988	.20948	.82382
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA03K) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO			ALPHA =	20.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO			ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO			SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600										

PARAMETRIC DATA

RUN NO. 40/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.330	-11.543	29.83000	20.00000	47.50000	1.10212	-.93908	-.21210	.12532	.75298
47.120	-.100	29.83000	20.00000	47.50000	1.09163	-.92864	-.23861	.10443	.75298
47.470	16.461	29.83000	20.00000	47.50000	1.10212	-.94951	-.22536	.08355	.75298
47.930	22.684	29.83000	20.00000	48.00000	1.12312	-.94951	-.19884	.14621	.77254
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA03L) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 41/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.750	.000	29.83000	.00000	48.00000	1.09383	-.97122	-.24142	.14793	.69257
47.510	25.180	29.83000	.00000	47.50000	1.08321	-.97122	-.21459	.16906	.70246
47.510	55.459	29.83000	.00000	47.50000	1.10445	-.96067	-.28165	.10566	.69257
47.360	87.628	29.83000	.00000	47.50000	1.11507	-.96067	-.24142	.14793	.70246
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA03M) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 42/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.450	-.039	29.83000	5.00000	48.00000	1.10122	-.95786	-.04012	.25285	.80892
47.560	25.179	29.83000	5.00000	48.00000	1.09063	-.95786	-.08024	.23178	.82865
47.560	55.459	29.83000	5.00000	48.00000	1.09063	-.96838	-.06686	.23178	.79905
47.540	87.629	29.83000	5.00000	48.00000	1.10122	-.94733	-.06586	.21071	.81878
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA03N) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	10.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	BDFLAP =	.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 43/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.640	.039	29.83000	10.00000	48.00000	1.09800	-.96555	-.01333	.23110	.83607
47.530	25.141	29.83000	10.00000	48.00000	1.09800	-.94456	-.01333	.23110	.83607
47.100	55.545	29.83000	10.00000	47.50000	1.07689	-.96555	-.01333	.23110	.80656
47.680	87.677	29.83000	10.00000	48.00000	1.09800	-.95506	-.01333	.23110	.83607
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(DECREASING SPDBRK) (KNA030) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	10.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	BDFLAP =	.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 44/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.660	.079	29.83000	10.00000	48.00000	1.09800	-.95506	.00000	.25211	.82623
47.720	25.139	29.83000	10.00000	48.00000	1.08744	-.96555	-.01333	.23110	.84590
47.360	55.545	29.83000	10.00000	48.00000	1.08744	-.95506	-.01333	.25211	.82623
47.610	87.677	29.83000	10.00000	48.00000	1.09800	-.95506	-.04000	.25211	.84590
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA03P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 48/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.660	-.079	29.86000	15.00000	48.50000	1.08428	.00000	-.02659	.20948	.81402
47.500	25.100	29.86000	15.00000	48.50000	1.08428	.00000	-.01329	.20948	.81402
47.520	55.329	29.86000	15.00000	48.50000	1.08428	.00000	-.01329	.18853	.83363
47.460	87.629	29.86000	15.00000	48.50000	1.07375	.00000	-.02659	.20948	.81402
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA03Q) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 49/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.680	.040	29.85000	20.00000	49.50000	1.09163	.02087	-.17233	.12532	.74320
47.550	25.100	29.86000	20.00000	48.50000	1.09163	.00000	-.14582	.12532	.75298
47.520	55.415	29.86000	20.00000	49.00000	1.09163	.01043	-.15908	.14621	.74320
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (KNA03R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 101/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.490	-5.240	29.81000	-5.00000	47.50000	1.08640	.00000	-.51116	.00000	.46638
47.690	-2.649	29.81000	-2.50000	47.50000	1.08480	.00000	-.38952	.08465	.59450
47.600	-.056	29.81000	.00000	47.50000	1.08321	.00000	-.21459	.14793	.66289
47.720	2.541	29.81000	2.50000	47.50000	1.08162	-.01054	-.12053	.18991	.70143
47.640	5.139	29.81000	5.00000	47.50000	1.08004	.01053	-.05349	.21071	.74973
47.850	7.739	29.81000	7.50000	48.50000	1.07846	-.01051	-.01335	.21040	.81759
47.600	10.342	29.81000	10.00000	47.50000	1.07689	.01050	.00000	.23110	.80656
47.730	12.941	29.81000	12.50000	47.50000	1.08586	.00000	.00000	.23076	.83485
47.580	15.556	29.81000	15.00000	47.50000	1.08428	.00000	-.03988	.18853	.81402
47.500	18.180	29.81000	17.50000	47.50000	1.08270	.00000	-.09293	.16734	.78345
47.570	20.826	29.81000	20.00000	47.50000	1.08113	.01043	-.21210	.10443	.74320
46.010	26.006	29.81000	25.00000	50.50000	1.05707	.00000	-.48906	-.12496	.63379
	GRADIENT	.00000	.96343	-.00000	-.00061	-.00203	.05183	.02028	.02060

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (KNA03S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 102/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.510	-13.000	29.81000	.00000	47.50000	1.08321	.01056	-.10730	-.04226	1.00917
47.670	-10.000	29.81000	.00000	47.50000	1.11507	.00000	-.13412	.00000	.93992
47.610	-5.000	29.81000	.00000	47.50000	1.09383	.01056	-.21459	.06340	.75193
47.630	-2.000	29.81000	.00000	47.50000	1.09383	-.01056	-.20118	.14793	.72225
47.730	.000	29.81000	.00000	47.50000	1.08321	.00000	-.25483	.14793	.67278
47.580	2.000	29.81000	.00000	47.50000	1.08321	-.01056	-.28165	.16906	.62331
47.730	5.000	29.81000	.00000	47.50000	1.08321	-.01056	-.34871	.23246	.49469
47.630	10.000	29.81000	.00000	47.50000	1.08321	.00000	-.41577	.25359	.33639
47.590	15.000	29.81000	.00000	48.50000	1.08321	-.01056	-.54990	.35925	.17809
47.660	20.000	29.81000	.00000	47.50000	1.08321	.00000	-.60354	.48605	.00000
	GRADIENT	.00000	.00000	.00000	-.00128	-.00182	-.01434	.01530	-.02559

ARC40X80-462(0A100) OV101(RCS PORTS CLOSED) (KNA03T) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 103/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.560	-13.000	29.81000	5.00000	47.50000	1.09063	.00000	-.01337	-.04214	1.09500
47.650	-10.000	29.81000	5.00000	47.50000	1.10122	.00000	-.01337	.02107	1.03581
47.600	-5.000	29.81000	5.00000	47.50000	1.08004	.00000	-.04012	.10535	.89770
47.660	-2.000	29.81000	5.00000	47.50000	1.09063	.00000	-.05349	.16856	.82865
47.650	.000	29.81000	5.00000	47.50000	1.08004	.02105	-.06686	.23179	.76946
47.620	2.000	29.81000	5.00000	47.50000	1.08004	.00000	-.08024	.25285	.71027
47.710	5.000	29.81000	5.00000	48.50000	1.08004	.00000	-.09361	.31606	.62149
47.750	10.000	29.81000	5.00000	48.50000	1.08004	.01053	-.17385	.42141	.48338
47.650	15.000	29.81000	5.00000	48.50000	1.09063	.00000	-.24071	.48462	.32554
47.600	20.000	29.81000	5.00000	49.00000	1.08004	.01053	-.29420	.58998	.19730
	GRADIENT	.00000	.00000	.08621	-.00037	.00000	-.00553	.02107	-.02789

ARC40X80-462(0A100) OV101(RCS PORTS CLOSED) (KNA03U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 104/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.610	-13.000	29.81000	10.00000	49.00000	1.06633	.00000	.00000	-.10505	1.14098
47.590	-10.000	29.81000	10.00000	48.50000	1.06633	.00000	.00000	.00000	1.06229
47.560	-5.000	29.81000	10.00000	47.50000	1.06633	.00000	.00000	.10505	.93443
47.520	-2.000	29.81000	10.00000	47.50000	1.06633	.00000	.00000	.21009	.85574
47.450	.000	29.81000	10.00000	47.50000	1.06633	.00000	.01333	.23110	.81639
47.610	2.000	29.81000	10.00000	47.50000	1.07689	.01050	.00000	.29413	.76721
47.660	5.000	29.81000	10.00000	48.50000	1.06633	.01050	.00000	.35715	.69836
47.470	10.000	29.81000	10.00000	47.50000	1.06633	.00000	.00000	.48321	.57049
47.600	15.000	29.81000	10.00000	48.50000	1.06633	.02099	-.05333	.54624	.43279
47.630	20.000	29.81000	10.00000	47.50000	1.07689	.00000	-.06667	.67229	.29508
	GRADIENT	.00000	.00000	.08621	.00036	.00127	.00000	.02463	-.02340

ARC40X80-462(0A100) OV101(RCS PORTS CLOSED) (KNA03V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 105/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.610	-13.000	29.81000	15.00000	47.50000	1.08429	.00000	-.10636	-.14663	1.08862
47.680	-10.000	29.81000	15.00000	48.50000	1.08428	.00000	-.07977	-.06284	1.02978
47.610	-5.000	29.81000	15.00000	48.50000	1.07375	.01046	-.05318	.10474	.93170
47.520	-2.000	29.81000	15.00000	47.50000	1.07375	.01046	-.02659	.14663	.87286
47.510	.000	29.81000	15.00000	47.50000	1.07375	.00000	-.02659	.20948	.83363
47.690	2.000	29.81000	15.00000	48.50000	1.07375	.00000	-.02659	.25137	.78459
47.650	5.000	29.81000	15.00000	49.00000	1.07375	.00000	-.01329	.31422	.71594
47.640	10.000	29.81000	15.00000	47.50000	1.08428	.01046	-.01329	.46085	.59825
47.540	15.000	29.81000	15.00000	47.50000	1.06322	.00000	-.01329	.62844	.46095
47.330	20.000	29.81000	15.00000	47.50000	1.06322	.01046	.00000	.71223	.32364
	GRADIENT	.00000	.00000	.07759	.00000	-.00126	.00344	.02167	-.02164

ARC40X80-462(0A100) OV101(RCS PORTS CLOSED) (KNA03W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 106/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.510	-13.000	29.81000	20.00000	47.50000	1.08113	.02087	-.37118	-.35508	1.00723
47.660	-10.000	29.81000	20.00000	47.50000	1.11262	.01043	-.31815	-.22976	.96812
47.540	-5.000	29.81000	20.00000	47.50000	1.07063	.00000	-.21210	-.02089	.85055
47.630	-2.000	29.81000	20.00000	47.50000	1.07063	.01043	-.19884	.06266	.78232
47.540	.000	29.81000	20.00000	49.00000	1.09163	.00000	-.17233	.10443	.74320
47.670	2.000	29.81000	20.00000	48.50000	1.07063	.00000	-.18559	.18798	.71386
47.760	5.000	29.81000	20.00000	47.50000	1.07063	.00000	-.13256	.27153	.64541
47.800	10.000	29.81000	20.00000	48.50000	1.08113	.00000	-.10805	.41774	.54762
47.650	15.000	29.81000	20.00000	49.00000	1.06014	.00000	-.05303	.56395	.43027
47.520	20.000	29.81000	20.00000	47.50000	1.07063	.00000	-.05303	.68927	.34226
	GRADIENT	.00000	.00000	.03448	.00000	-.00036	.00731	.02953	-.02091

ARC40X80-462(OA100) OV101 (KNA03X) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000

RUN NO. 88/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.710	-.075	29.82000	.00000	48.00000	1.07259	.00000	-.21459	.10566	.68267
47.670	10.320	29.82000	10.00000	48.00000	1.06633	.00000	.00000	.21009	.80656
47.790	15.535	29.82000	15.00000	48.00000	1.06322	.00000	.01329	.14663	.82382
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA03Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-15.000

RUN NO. 89/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.690	-.072	29.82000	.00000	48.00000	1.06197	.00000	-.22800	.12679	.69257
47.740	10.326	29.82000	10.00000	48.00000	1.06633	.00000	.02667	.21009	.82623
47.760	15.535	29.82000	15.00000	48.00000	1.06322	.00000	.00000	.18853	.82382
47.760	20.801	29.82000	20.00000	48.00000	1.04964	.00000	-.17233	.06266	.75298
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA03Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 90/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.790	-.073	29.82000	.00000	48.00000	1.06197	-.01056	-.18777	.10566	.71236
47.600	5.118	29.82000	5.00000	48.00000	1.05886	.00000	-.02675	.18963	.74973
47.860	10.323	29.82000	10.00000	48.00000	1.06633	.00000	.01333	.18908	.82623
47.710	15.537	29.82000	15.00000	48.00000	1.06322	.00000	-.01329	.14663	.83363
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA04A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 91/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.650	-.074	29.82000	.00000	47.00000	1.05135	.00000	-.20118	.10566	.67278
47.790	5.119	29.82000	5.00000	48.00000	1.06945	.00000	-.01337	.18963	.77933
47.710	10.321	29.82000	10.00000	47.00000	1.06633	-.01050	.02667	.21009	.80656
47.710	15.535	29.82000	15.00000	47.00000	1.05270	.02093	.00000	.16758	.81402
47.720	20.804	29.82000	20.00000	48.00000	1.06014	.00000	-.17233	.06266	.76276
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (KNA04B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	10.000

RUN NO. 92/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.670	-.074	29.82000	.00000	48.00000	1.06197	.00000	-.18777	.08453	.70246
47.690	5.119	29.82000	5.00000	47.00000	1.05886	.00000	-.02675	.18963	.76946
47.570	10.324	29.82000	10.00000	48.00000	1.06633	-.01050	.02667	.18908	.81639
47.720	15.537	29.82000	15.00000	48.00000	1.06322	.00000	.00000	.14663	.82382
47.780	20.801	29.82000	20.00000	48.00000	1.06014	.00000	-.14582	.06266	.75298
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (KNA04C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	15.000

RUN NO. 93/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.680	-.073	29.82000	.00000	47.00000	1.06197	.00000	-.21459	.10566	.69257
47.710	5.118	29.82000	5.00000	47.00000	1.05886	.00000	-.02675	.18963	.76946
47.630	10.324	29.82000	10.00000	48.00000	1.04521	.01050	.04000	.18908	.80656
47.710	15.539	29.82000	15.00000	48.00000	1.06322	.00000	.00000	.14663	.82382
47.670	20.802	29.82000	20.00000	48.00000	1.04964	.00000	-.14582	.08355	.75298
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA04D) (15 APR 82)

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 =	.3600								

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	48.000	RUDDER =	19.500

RUN NO. 94/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.870	-.072	29.82000	.00000	48.00000	1.06197	.00000	-.20118	.10566	.68267
47.720	5.119	29.82000	5.00000	47.00000	1.05886	.00000	-.01337	.16856	.77933
47.720	10.322	29.82000	10.00000	47.00000	1.05577	.00000	.02667	.18908	.81639
47.720	15.534	29.82000	15.00000	48.00000	1.05270	.00000	.00000	.12569	.82382
47.660	20.804	29.82000	20.00000	47.00000	1.06014	.00000	-.14582	.06266	.76276
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA04E) (16 MAR 82)

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 =	.3600								

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 95/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.660	-.070	29.80000	.00000	47.50000	1.07259	.01056	-.33530	.19019	.54416
47.740	5.125	29.80000	5.00000	48.50000	1.06945	.00000	-.12035	.31606	.66095
47.800	10.327	29.80000	10.00000	48.50000	1.06633	.00000	.00000	.33614	.71803
47.730	15.538	29.80000	15.00000	48.50000	1.06322	-.01046	-.02659	.31422	.72575
47.720	20.789	29.80000	20.00000	47.50000	1.06014	.00000	-.11931	.25065	.66497
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA04F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 96/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.710	-.070	29.80000	.00000	48.50000	1.07259	.00000	-.33530	.19019	.53427
47.690	5.123	29.80000	5.00000	47.50000	1.05886	-.01053	-.09361	.31606	.64122
47.710	10.328	29.80000	10.00000	47.50000	1.05577	.01050	.00000	.33614	.71803
47.530	20.790	29.80000	20.00000	49.00000	1.06014	.00000	-.13256	.25065	.65519
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA04G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	10.000

RUN NO. 97/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.610	-.071	29.80000	.00000	47.50000	1.08321	.00000	-.33530	.23246	.51448
47.710	5.122	29.80000	5.00000	48.50000	1.05886	.01053	-.09361	.31606	.64122
47.700	10.324	29.80000	10.00000	47.50000	1.06633	.00000	.00000	.31514	.69836
47.650	15.535	29.80000	15.00000	47.50000	1.05270	.01046	.00000	.31422	.74537
47.590	20.784	29.80000	20.00000	47.50000	1.04964	.00000	-.11931	.20887	.65519
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (KNA04H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	15.000

RUN NO. 98/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.610	-.072	29.80000	.00000	47.50000	1.06197	.00000	-.32189	.19019	.53427
47.660	5.123	29.80000	5.00000	47.50000	1.04827	.00000	-.10698	.29499	.63135
47.620	10.325	29.80000	10.00000	49.50000	1.04521	-.01050	.00000	.31514	.70820
47.620	15.537	29.80000	15.00000	49.50000	1.06322	.00000	-.01329	.29327	.72575
47.590	20.783	29.80000	20.00000	47.50000	1.07063	.00000	-.15908	.22976	.65519
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (KNA04I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	48.000	RUDDER =	19.500

RUN NO. 99/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.690	-.073	29.80000	.00000	47.50000	1.06197	.01056	-.30848	.19019	.52437
47.690	5.122	29.80000	5.00000	48.50000	1.04827	.00000	-.09361	.29499	.65108
47.750	10.321	29.80000	10.00000	47.50000	1.06633	.00000	.00000	.31514	.71803
47.610	15.534	29.80000	15.00000	47.50000	1.05270	.00000	-.01329	.29327	.72575
47.600	20.780	29.80000	20.00000	47.50000	1.04964	.00000	-.13256	.25065	.66497
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA04J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-22.500

RUN NO. 86/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.740	-.064	29.82000	.00000	48.00000	1.08321	.00000	-.20118	.14793	.69257
47.680	5.131	29.82000	5.00000	48.00000	1.08945	.00000	-.04012	.21071	.77933
47.780	10.334	29.82000	10.00000	48.00000	1.06633	.00000	.01333	.23110	.82623
47.680	15.544	29.82000	15.00000	47.00000	1.07375	.00000	-.01329	.18853	.82382
47.710	20.747	29.82000	20.00000	48.00000	1.07063	.00000	-.17233	.10443	.77254
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA04K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-15.000

RUN NO. 87/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.720	-.058	29.82000	.00000	48.00000	1.07259	.01056	-.25483	.14793	.68267
47.690	5.133	29.82000	5.00000	48.00000	1.08945	.00000	-.02675	.18963	.77933
47.830	10.338	29.82000	10.00000	48.00000	1.06633	.00000	.01333	.18908	.82623
47.580	15.548	29.82000	15.00000	48.00000	1.06322	.00000	.00000	.16758	.83363
47.630	20.754	29.82000	20.00000	48.00000	1.06014	.01043	-.15908	.08355	.76276
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (KNA04L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	20.000	RUDDER =	3.000

RUN NO. 108/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.700	-.058	29.76000	.00000	47.50000	1.08321	-1.00289	-.20118	.14793	.70246
47.560	5.139	29.76000	5.00000	47.50000	1.08004	-.99996	-.04012	.18963	.80892
47.530	10.342	29.76000	10.00000	47.50000	1.07689	-1.01803	.01333	.18908	.83607
47.540	15.549	29.76000	15.00000	47.50000	1.07375	-.99413	-.03988	.18853	.83363
47.590	20.797	29.76000	20.00000	47.50000	1.08113	-.99125	-.22536	.06266	.76276
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (KNA04M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	20.000	RUDDER =	3.000

RUN NO. 109/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.500	-.051	29.76000	.00000	47.50000	1.08321	-1.00289	-.20118	.19019	.58374
47.670	5.143	29.76000	5.00000	47.50000	1.08004	-1.02101	-.06686	.29499	.68068
47.630	10.340	29.76000	10.00000	47.50000	1.07689	-1.00753	.01333	.31514	.72787
47.390	15.550	29.76000	15.00000	47.50000	1.07375	-1.00460	.00000	.27232	.72575
47.870	20.795	29.76000	20.00000	47.50000	1.07063	-.99125	-.15908	.22976	.66497
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (KNA04N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	36.500	RUDDER =	-5.500

RUN NO. 110/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.530	-.041	29.76000	.00000	47.50000	1.06197	-1.02401	-.30848	.29585	.43533
47.710	5.146	29.76000	5.00000	47.50000	1.06945	-1.02101	-.08024	.40034	.52284
47.580	10.344	29.76000	10.00000	47.00000	1.06633	-1.01803	.00000	.42018	.60000
47.720	15.577	29.76000	15.00000	47.50000	1.06322	-1.01506	.00000	.41896	.58845
47.750	20.818	29.76000	20.00000	47.50000	1.07063	-1.01212	-.10605	.35508	.53784
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (KNA04O) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 111/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.460	-.059	29.74000	.00000	46.50000	1.06197	-.99178	-.20118	.12679	.71236
47.410	5.135	29.74000	5.00000	46.50000	1.05886	-.97891	-.04012	.16856	.79905
47.690	10.339	29.74000	10.00000	47.50000	1.06633	-.97605	.01333	.18908	.84590
47.610	15.549	29.74000	15.00000	47.50000	1.06322	-.97321	-.03988	.14663	.82382
47.740	20.797	29.74000	20.00000	49.50000	1.06014	-.97038	-.22536	.06266	.74320
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (KNA04P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 112/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.670	-.054	29.74000	.00000	49.50000	1.07259	-1.00289	-.25483	.19019	.58374
47.530	5.142	29.74000	5.00000	49.50000	1.06945	-.98943	-.06686	.27392	.67081
47.610	10.342	29.74000	10.00000	46.50000	1.06633	-.98654	.00000	.31514	.72787
47.670	15.546	29.74000	15.00000	47.50000	1.05270	-.98367	-.03988	.27232	.71594
47.620	20.797	29.74000	20.00000	47 00000	1.06014	-.98082	-.19884	.20887	.65519
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (KNA04Q) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 113/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.710	-.041	29.74000	.00000	49.50000	1.07259	-1.02401	-.29507	.27472	.43533
47.530	5.145	29.74000	5.00000	49.50000	1.05986	-.98943	-.10698	.40034	.53270
47.670	10.345	29.74000	10.00000	49.50000	1.05577	-.98654	.00000	.42018	.60000
47.560	15.574	29.74000	15.00000	49.50000	1.05270	-.99413	-.01329	.41896	.60806
47.500	20.818	29.74000	20.00000	46.50000	1.04964	-.98082	-.10605	.35508	.54762
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (KNA04R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 115/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.390	-.065	29.76000	.00000	47.00000	1.09383	-.95011	-.25483	.12679	.66289
47.850	5.135	29.76000	5.00000	48.00000	1.09063	-.96838	-.05349	.23178	.76946
47.660	10.337	29.76000	10.00000	50.00000	1.07689	-.95506	.02667	.25211	.81639
47.250	15.545	29.76000	15.00000	47.00000	1.06322	-.93135	-.01329	.20948	.81402
47.360	20.815	29.76000	20.00000	47.00000	1.08113	-.91821	-.19884	.16710	.75298
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (KNA04S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 114/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.190	-.061	29.76000	.00000	47.00000	1.07259	-.93955	-.22809	.14793	.67278
47.530	5.135	29.76000	5.00000	50.00000	1.08004	-.94733	-.04012	.23178	.78919
47.510	10.334	29.76000	10.00000	47.00000	1.07689	-.94456	.01333	.23110	.81639
47.530	15.546	29.76000	15.00000	47.00000	1.09480	-.94181	-.02659	.20948	.81402
47.480	20.816	29.76000	20.00000	47.50000	1.08113	-.91821	-.19884	.12532	.75298
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (KNA04T) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 116/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.580	-.062	29.76000	.00000	50.00000	1.08321	-.97122	-.22800	.14793	.67278
47.680	5.131	29.76000	5.00000	48.00000	1.08004	-.93680	-.05349	.23178	.76946
47.500	10.332	29.76000	10.00000	50.00000	1.06633	-.94456	.01333	.25211	.81639
47.710	15.543	29.76000	15.00000	50.00000	1.10533	-.95228	-.02659	.23043	.81402
47.370	20.815	29.76000	20.00000	47.00000	1.09163	-.92864	-.17233	.12532	.73342
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (KNA04U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 117/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.680	-.065	29.76000	.00000	48.00000	1.08321	-.96067	-.26824	.14793	.69257
48.020	5.131	29.76000	5.00000	48.00000	1.09063	-.94733	-.06686	.23178	.76946
47.660	10.329	29.76000	10.00000	50.00000	1.07689	-.94456	.00000	.23110	.81639
47.470	15.544	29.76000	15.00000	50.00000	1.08428	-.93135	-.03988	.20948	.81402
47.650	20.806	29.76000	20.00000	50.00000	1.08113	-.92864	-.18559	.12532	.74320
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (KNA04V) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 22.500

RUN NO. 118/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.560	-.067	29.76000	.00000	47.00000	1.09321	-.96067	-.26824	.14793	.67278
47.610	5.125	29.76000	5.00000	50.00000	1.08004	-.95786	-.06686	.23178	.76946
47.540	10.330	29.76000	10.00000	50.00000	1.06633	-.93407	.00000	.25211	.81639
47.740	15.540	29.76000	15.00000	48.00000	1.09480	-.95229	-.01329	.20948	.82382
47.530	20.806	29.76000	20.00000	50.00000	1.09163	-.93908	-.17233	.10443	.74320
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (KNA04W) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 119/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.790	-.054	29.80000	.00000	47.50000	1.08321	-.96067	-.30848	.21132	.52437
47.230	5.137	29.80000	5.00000	46.50000	1.08004	-.94733	-.08024	.33713	.63135
47.200	10.342	29.80000	10.00000	46.50000	1.06633	-.95506	.01333	.35715	.69836
47.330	15.548	29.80000	15.00000	46.50000	1.06322	-.94181	.00000	.33517	.68652
47.770	20.799	29.80000	20.00000	47.50000	1.07063	-.94951	-.13256	.25065	.66497
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (KNA04X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 120/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.850	-.057	29.80000	.00000	47.50000	1.08321	-.96067	-.33530	.19019	.49469
47.610	5.138	29.80000	5.00000	47.50000	1.06945	-.94733	-.08024	.35820	.63135
47.510	10.337	29.80000	10.00000	49.50000	1.08744	-.94456	.01333	.35715	.69836
47.350	15.547	29.80000	15.00000	46.50000	1.06322	-.94181	.00000	.33517	.68652
47.530	20.801	29.80000	20.00000	48.50000	1.06014	-.93908	-.17233	.25065	.63563
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (KNA04Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 121/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.500	-.059	29.80000	.00000	49.50000	1.08321	-.95011	-.33530	.21132	.50459
47.460	5.138	29.80000	5.00000	46.50000	1.06945	-.96838	-.09361	.33713	.64122
47.440	10.331	29.80000	10.00000	46.50000	1.06633	-.94456	-.02667	.33614	.68852
47.390	15.542	29.80000	15.00000	46.50000	1.07375	-.94181	.00000	.35611	.68652
47.640	20.796	29.80000	20.00000	47.50000	1.07053	-.92864	-.10605	.27153	.64541
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (KNA04Z) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 15.000

RUN NO. 122/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.240	-.059	29.80000	.00000	46.50000	1.06197	-.95011	-.29507	.23246	.52437
47.510	5.131	29.80000	5.00000	49.50000	1.06945	-.94733	-.09361	.31606	.63135
47.360	10.331	29.80000	10.00000	46.50000	1.06633	-.94456	.00000	.35715	.69836
47.540	15.545	29.80000	15.00000	49.50000	1.07375	-.96274	-.01329	.33517	.71594
47.560	20.799	29.80000	20.00000	47.50000	1.07063	-.91821	-.15908	.25065	.64541
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (KNA05A) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 22.500

RUN NO. 123/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.490	-.069	29.83000	.00000	47.00000	1.07259	-.97122	-.36213	.21132	.51448
47.630	5.129	29.83000	5.00000	48.00000	1.05885	-.93690	-.08024	.35820	.62149
47.560	10.328	29.83000	10.00000	48.00000	1.05577	-.94456	.00000	.37816	.69836
47.570	15.536	29.83000	15.00000	48.00000	1.04217	-.93135	.00000	.33517	.68652
47.670	20.792	29.83000	20.00000	47.00000	1.07063	-.92864	-.11931	.27153	.64541
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (KNA05B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 124/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.470	-.042	29.83000	.00000	48.00000	1.06197	-.95011	-.37554	.27472	.36607
47.540	5.146	29.83000	5.00000	47.00000	1.05886	-.93680	-.17385	.42141	.49324
47.480	10.343	29.83000	10.00000	47.00000	1.05577	-.95506	-.01333	.44119	.57049
47.480	15.573	29.83000	15.00000	48.00000	1.05270	-.93135	.01329	.52370	.56883
47.560	20.820	29.83000	20.00000	48.00000	1.06014	-.93908	-.07954	.43863	.55740
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (KNA05C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 125/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.480	-.044	29.83000	.00000	48.00000	1.06197	-.95011	-.40236	.31699	.35618
47.500	5.145	29.83000	5.00000	48.00000	1.05886	-.94733	-.13373	.42141	.49324
47.380	10.345	29.83000	10.00000	47.00000	1.05577	-.92357	.00000	.52523	.58033
47.500	15.568	29.83000	15.00000	47.00000	1.05270	-.94181	.01329	.48180	.58845
47.380	20.824	29.83000	20.00000	47.00000	1.04964	-.92864	-.07954	.43863	.53784
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (KNA05D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 126/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.500	-.047	29.83000	.00000	47.00000	1.08197	-.93955	-.40236	.29585	.35618
47.460	5.143	29.83000	5.00000	48.00000	1.06945	-.94733	-.12035	.42141	.51297
47.430	10.341	29.83000	10.00000	47.00000	1.05577	-.95506	.00000	.50422	.56066
47.520	15.569	29.83000	15.00000	47.00000	1.05270	-.95228	.01329	.46085	.58845
47.540	20.821	29.83000	20.00000	47.00000	1.08113	-.93908	-.06628	.43863	.53784
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (KNA05E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 127/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.540	-.046	29.83000	.00000	47.00000	1.06197	-.95011	-.41577	.31699	.35618
47.480	5.142	29.83000	5.00000	47.50000	1.06945	-.95786	-.14710	.42141	.49324
47.470	10.340	29.83000	10.00000	47.00000	1.04521	-.94456	.00000	.48321	.60000
47.540	15.567	29.83000	15.00000	48.00000	1.05270	-.95228	.01329	.48180	.58845
47.630	20.816	29.83000	20.00000	48.00000	1.07063	-.94951	-.07954	.41774	.55740
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (KNA05F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 128/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.670	-.050	29.83000	.00000	47.00000	1.07259	-.96067	-.38895	.29585	.34628
47.620	5.140	29.83000	5.00000	47.00000	1.05886	-.95786	-.12035	.42141	.50311
47.640	10.336	29.83000	10.00000	47.50000	1.06633	-.95506	-.01333	.46220	.59016
47.690	15.561	29.83000	15.00000	47.00000	1.06322	-.96474	.01329	.50275	.56883
47.600	20.816	29.83000	20.00000	47.00000	1.04964	-.94851	-.07954	.41774	.53784
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA05G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 129/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.710	-.096	29.79000	.00000	47.50000	1.07259	-.98178	-.95226	.12679	.00989
47.550	5.092	29.79000	5.00000	47.50000	1.05886	-.96838	-.90935	.12642	.00000
47.900	10.298	29.79000	10.00000	48.00000	1.06633	-.96555	-.88003	.14706	.00000
47.460	15.507	29.79000	15.00000	47.50000	1.05270	-.95228	-.83758	.18853	.00000
47.690	20.773	29.79000	20.00000	47.50000	1.08113	-.95995	-.79538	.22976	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (KNA05H) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 130/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.410	-.095	29.79000	.00000	47.50000	1.06197	-.98178	-.92543	.08453	.00000
47.580	5.091	29.79000	5.00000	47.50000	1.05886	-.94733	-.90935	.12642	.00000
47.720	10.298	29.79000	10.00000	48.00000	1.06633	-.96555	-.85336	.14706	.00000
47.330	15.509	29.79000	15.00000	47.50000	1.04217	-.95228	-.83758	.16758	.00000
47.700	20.773	29.79000	20.00000	47.50000	1.06014	-.94951	-.80864	.20887	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (KNA05I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 131/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.640	-.095	29.79000	.00000	48.50000	1.06197	-.97122	-.93885	.10566	.00000
47.560	5.091	29.79000	5.00000	47.50000	1.05886	-.97891	-.90935	.10535	.00000
47.370	10.296	29.79000	10.00000	47.50000	1.05577	-.96506	-.86669	.12605	.00000
47.640	15.503	29.79000	15.00000	48.50000	1.05270	-.97321	-.83758	.14663	.00000
47.580	20.768	29.79000	20.00000	47.50000	1.06014	-.94951	-.79538	.20887	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA05J) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 132/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.510	-.098	29.79000	.00000	47.50000	1.06197	-.97122	-.92543	.06340	.00000
47.620	5.091	29.79000	5.00000	47.50000	1.04827	-.97891	-.88260	.10535	.00000
47.760	10.298	29.79000	10.00000	47.50000	1.06633	-.97605	-.88003	.12605	.00984
47.780	15.506	29.79000	15.00000	48.50000	1.05270	-.97321	-.83758	.14663	.00000
47.810	20.777	29.79000	20.00000	48.50000	1.04964	-.95995	-.80864	.20887	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA05K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 133/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.730	-.095	29.79000	.00000	48.00000	1.06197	-.98178	-.92543	.10566	.00000
47.660	5.099	29.79000	5.00000	47.50000	1.05886	-.97891	-.90935	.10535	.00000
47.700	10.298	29.79000	10.00000	47.50000	1.05577	-.97605	-.88003	.16807	.00000
47.620	15.505	29.79000	15.00000	47.50000	1.04217	-.97321	-.85087	.14663	-.01961
47.490	20.756	29.79000	20.00000	47.50000	1.03914	-.95995	-.80864	.18798	.00978
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA05L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 134/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.590	-.091	29.79000	.00000	48.50000	1.06197	-.98178	-.91202	.08453	.00000
47.640	5.094	29.79000	5.00000	47.50000	1.04827	-.98943	-.90935	.08428	-.00986
47.660	10.298	29.79000	10.00000	47.50000	1.04521	-.98654	-.86669	.12605	.00000
47.490	15.508	29.79000	15.00000	47.50000	1.04217	-.97321	-.83758	.14663	.00000
47.850	20.751	29.79000	20.00000	48.50000	1.04264	-.97038	-.82189	.18799	.00978
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA05M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 135/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.760	-.097	29.79000	.00000	48.00000	1.06197	-1.00289	-.92543	.08453	.00000
47.690	5.094	29.79000	5.00000	47.50000	1.03769	-.97891	-.88260	.10535	.00000
47.450	10.299	29.79000	10.00000	47.50000	1.05577	-.98654	-.86669	.10505	.00000
47.500	15.507	29.79000	15.00000	47.50000	1.03164	-.98367	-.83758	.14663	.00000
47.670	20.759	29.79000	20.00000	47.50000	1.03914	-.97038	-.80864	.16710	.01956
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA05N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 136/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.760	-.094	29.79000	.00000	47.50000	1.06197	-.99234	-.92543	.08453	.00989
47.380	5.095	29.79000	5.00000	47.50000	1.03769	-.98943	-.88260	.10535	.00000
47.450	10.299	29.79000	10.00000	47.50000	1.03465	-.98654	-.86669	.12605	.00000
47.670	15.508	29.79000	15.00000	47.50000	1.04217	-.98367	-.83758	.14663	.00000
47.530	20.755	29.79000	20.00000	47.50000	1.03914	-.97038	-.80864	.18798	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA05O) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 137/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.810	-.077	29.80000	.00000	48.50000	1.08321	-.95011	-.96567	.10566	-.00989
47.530	5.108	29.80000	5.00000	48.00000	1.06945	-.94733	-.94947	.14749	.00000
47.750	10.306	29.80000	10.00000	48.00000	1.06533	-.96555	-.92003	.18908	.00000
47.630	15.529	29.80000	15.00000	48.00000	1.06322	-.95228	-.89076	.16758	.00000
47.330	20.781	29.80000	20.00000	48.00000	1.07063	-.92864	-.86166	.18798	.01956
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA05P) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 138/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.520	-.078	29.80000	.00000	48.50000	1.07259	-.95011	-.93885	.06340	.00000
47.860	5.110	29.80000	5.00000	48.50000	1.06945	-.94733	-.92272	.12642	.00000
47.790	10.307	29.80000	10.00000	48.50000	1.06633	-.94456	-.92003	.14706	.00000
47.490	15.529	29.80000	15.00000	48.00000	1.05270	-.96274	-.87747	.18853	.00000
47.890	20.777	29.80000	20.00000	49.00000	1.07063	-.94951	-.87492	.16710	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA05Q) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 139/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.450	-.080	29.80000	.00000	49.00000	1.07259	-.97122	-.93885	.10566	.00000
47.430	5.109	29.80000	5.00000	49.50000	1.06945	-.95786	-.96284	.12642	.00000
47.410	10.307	29.80000	10.00000	48.00000	1.06633	-.95506	-.90670	.12605	.00984
47.370	15.529	29.80000	15.00000	48.00000	1.06322	-.95228	-.87747	.16798	.00000
47.210	20.780	29.80000	20.00000	48.00000	1.04964	-.93908	-.83515	.18798	.01956
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA05R) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 140/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.560	-.078	29.80000	.00000	48.00000	1.06197	-.96067	-.97908	.08453	.00000
47.130	5.110	29.80000	5.00000	48.00000	1.05886	-.95786	-.93610	.12642	.00000
47.600	10.309	29.80000	10.00000	48.00000	1.05577	-.96555	-.92003	.10505	.00000
47.540	15.526	29.80000	15.00000	48.00000	1.06322	-.96274	-.90405	.16758	.00000
47.910	20.778	29.80000	20.00000	49.00000	1.08113	-.93908	-.87492	.16710	.00978
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA05S) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000

RUN NO. 141/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	RUDDER	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.240	-22.907	29.80000	10.00000	48.00000	1.05577	-.96555	-.86669	.16807	-.00984
47.740	-15.162	29.80000	10.00000	48.00000	1.06633	-.97605	-.86669	.16807	.00000
47.530	-10.072	29.80000	10.00000	48.00000	1.06633	-.95506	-.86669	.16807	.00000
47.600	-5.054	29.80000	10.00000	48.00000	1.05577	-.98654	-.85336	.18908	.00000
47.530	.043	29.80000	10.00000	49.00000	1.05577	-.96555	-.86669	.18908	.00000
47.640	5.082	29.80000	10.00000	48.00000	1.05577	-.96555	-.88003	.16807	.00000
47.570	10.140	29.80000	10.00000	48.50000	1.06633	-.96555	-.85336	.18908	.00000
47.570	14.990	29.80000	10.00000	48.00000	1.06633	-.95506	-.84003	.18908	.00000
47.430	22.915	29.80000	10.00000	48.00000	1.05577	-.97605	-.85336	.18908	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA05T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 142/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.510	5.150	29.80000	5.00000	.00000	-.05273	.15726	-.06660	.00000	.00000
47.650	10.351	29.80000	10.00000	2.00000	-.05258	.00000	.26562	.20926	.00000
47.420	15.562	29.80000	15.00000	.00000	-.05243	.10423	.46349	.31298	.00000
47.540	20.810	29.80000	20.00000	2.00000	.15693	.20786	.39613	.41610	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA05U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 143/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.620	-.035	29.80000	.00000	2.00000	-.05289	.05257	-.20038	-.21049	.00000
47.660	5.154	29.80000	5.00000	.00000	-.05273	.15726	-.06660	-.10494	.00000
47.870	10.354	29.80000	10.00000	.00000	.00000	.05227	.06641	.10463	.00000
47.280	15.576	29.80000	15.00000	-1.00000	-.05243	.05212	.26485	.20865	.00000
47.740	20.824	29.80000	20.00000	.00000	.05228	.15590	.19806	.31208	.04870
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA05V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 144/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.650	-.044	29.80000	.00000	.00000	.00000	.15772	-.26718	-.21049	.00000
47.530	5.147	29.80000	5.00000	.00000	-.05273	.05242	-.06660	-.20987	.00000
47.640	10.349	29.80000	10.00000	.00000	.00000	.15681	.00000	.00000	.00000
47.920	15.574	29.80000	15.00000	.00000	.00000	.10423	.13243	.31298	.00000
47.210	20.816	29.80000	20.00000	2.00000	-.05228	.15590	.19806	.00000	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (KNA05W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 145/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.450	-.089	29.84000	.00000	47.00000	1.06197	-.96067	-1.07297	-.02113	.00000
47.710	5.097	29.84000	5.00000	47.00000	1.06945	-.97891	-.90935	.14749	.00000
47.790	10.302	29.84000	10.00000	47.00000	1.06633	-.97605	-.77336	.29413	.00000
47.640	15.510	29.84000	15.00000	50.00000	1.06322	-.98367	-.66475	.39801	.00981
47.680	20.754	29.84000	20.00000	50.00000	1.07063	-.98082	-.50374	.54306	.00978
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (KNA05X) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.000 RUDDER = .000

RUN NO. 146/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.630	-.087	29.84000	.00000	47.50000	1.08321	-.98178	-1.05955	-.02113	.00989
47.570	5.102	29.84000	5.00000	50.00000	1.06945	-.96838	-.92272	.12642	.00986
47.600	10.304	29.84000	10.00000	50.00000	1.05633	-.97605	-.78669	.27312	.00984
47.600	15.506	29.84000	15.00000	47.00000	1.06322	-.95228	-.66475	.39801	.00981
47.810	20.751	29.84000	20.00000	50.00000	1.07063	-.97038	-.53025	.56395	.01956
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (KNA05Y) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.000 RUDDER = .000

RUN NO. 147/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.690	-.073	29.84000	.00000	48.00000	1.08321	-.98178	-1.05955	.00000	.00989
47.470	5.110	29.84000	5.00000	50.00000	1.09004	-.96838	-.94947	.08428	.00986
47.620	10.303	29.84000	10.00000	48.00000	1.05577	-.95506	-.80003	.25211	.00984
47.590	15.537	29.84000	15.00000	47.00000	1.06322	-.97321	-.66475	.37706	.01961
47.460	20.779	29.84000	20.00000	50.00000	1.06014	-.95995	-.55677	.48040	.02934
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP,ADS OFF) (KNA05Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 148/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.710	-.050	29.85000	.00000	50.00000	1.08321	-1.00289	-1.09979	-.06340	.01979
47.510	5.148	29.85000	5.00000	50.00000	1.08004	-.98943	-.92272	.10535	.01973
47.730	10.347	29.85000	10.00000	48.00000	1.07689	-.99704	-.76002	.27312	.01967
47.530	15.559	29.85000	15.00000	47.50000	1.07375	-.98367	-.65145	.41896	.00981
47.600	20.802	29.85000	20.00000	47.50000	1.09163	-.95995	-.47723	.56395	.00978
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP,ADS OFF) (KNA06A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 149/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.470	-.047	29.90000	.00000	48.00000	1.07259	-.95011	-1.04614	.00000	.00989
47.600	5.147	29.90000	5.00000	48.00000	1.06945	-.92628	-.88260	.14749	.00000
47.470	10.342	29.90000	10.00000	48.00000	1.05577	-.94456	-.80003	.27312	.00984
47.480	15.552	29.90000	15.00000	48.00000	1.06322	-.94181	-.65145	.41896	.00981
47.520	20.802	29.90000	20.00000	48.50000	1.08113	-.91821	-.50374	.52218	.01956
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR(FTP,ADS OFF) (KNA06B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 150/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.500	-.037	29.90000	.00000	48.50000	1.06197	-.95011	-1.07297	-.02113	.00989
47.210	5.149	29.90000	5.00000	47.50000	1.05886	-.94733	-.93610	.10535	.00986
47.360	10.344	29.90000	10.00000	48.00000	1.05577	-.94456	-.80003	.25211	.00984
47.620	15.575	29.90000	15.00000	48.50000	1.06322	-.94181	-.66475	.37706	.01961
47.570	20.823	29.90000	20.00000	48.50000	1.06014	-.93908	-.54351	.50129	.01956
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (KNA06C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 151/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.680	-.056	29.90000	.00000	48.00000	1.08321	-.96067	-1.12661	-.08453	-.00989
47.610	5.140	29.90000	5.00000	48.50000	1.06945	-.95786	-1.05645	.00000	-.00986
47.670	10.340	29.90000	10.00000	48.50000	1.06633	-.95506	-1.00003	.06303	-.00984
47.610	15.551	29.90000	15.00000	48.00000	1.06322	-.94181	-.94394	.10474	.00000
47.690	20.824	29.90000	20.00000	48.00000	1.07063	-.94951	-.91469	.14621	-.00978
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (KNA06D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 152/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.560	-.057	29.90000	.00000	48.50000	1.07259	-.97122	-1.14003	-.10566	-.00989
47.720	5.140	29.90000	5.00000	48.50000	1.06945	-.95786	-1.06982	.00000	-.00986
47.480	10.340	29.90000	10.00000	48.00000	1.06633	-.95506	-.98670	.06303	-.00984
47.580	15.556	29.90000	15.00000	48.00000	1.06322	-.95228	-.94394	.10474	-.00981
47.660	20.824	29.90000	20.00000	48.00000	1.07063	-.93908	-.90143	.14621	-.00978
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (KNA06E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 153/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.620	-.054	29.90000	.00000	48.00000	1.07259	-.96067	-1.12661	-.08453	-.00989
47.720	5.139	29.90000	5.00000	48.00000	1.06945	-.96838	-1.05645	.00000	-.00986
47.540	10.338	29.90000	10.00000	48.00000	1.06633	-.95506	-.97336	.06303	-.00984
47.750	15.553	29.90000	15.00000	48.00000	1.07375	-.96274	-.94394	.10474	-.00981
47.610	20.822	29.90000	20.00000	48.00000	1.06014	-.94951	-.88817	.14621	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (KNA06F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	15.000

RUN NO. 154/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.520	-.056	29.90000	.00000	48.00000	1.06197	-.96067	-1.12661	-.04226	-.00989
47.620	5.138	29.90000	5.00000	48.00000	1.06945	-.97891	-1.05645	.00000	-.00986
47.750	10.338	29.90000	10.00000	48.50000	1.06633	-.95506	-1.00003	.06303	.00000
47.570	15.550	29.90000	15.00000	48.00000	1.05270	-.96274	-.91735	.12569	-.00981
47.610	20.822	29.90000	20.00000	48.00000	1.06014	-.94951	-.88817	.12532	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (KNA06G) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	20.500

RUN NO. 155/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.510	-.061	29.90000	.00000	48.00000	1.06197	-.97122	-1.12661	-.08453	-.00989
47.600	5.135	29.90000	5.00000	48.00000	1.05886	-.94733	-1.05645	-.04214	.00000
47.580	10.335	29.90000	10.00000	48.00000	1.05577	-.95506	-1.00003	.04202	-.00984
47.680	15.550	29.90000	15.00000	48.00000	1.06322	-.95228	-.93064	.12569	.00000
47.440	20.819	29.90000	20.00000	47.50000	1.04964	-.94951	-.86166	.14621	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (KNA06H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 156/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.640	-.047	29.90000	.00000	48.00000	1.06197	-.97122	-1.14003	-.12679	-.00989
47.700	5.147	29.90000	5.00000	48.00000	1.05886	-.96838	-1.06982	-.02107	-.00986
47.530	10.343	29.90000	10.00000	48.00000	1.05577	-.95506	-.98670	.06303	.00000
47.460	15.556	29.90000	15.00000	48.00000	1.05270	-.96274	-.94394	.08379	-.00981
47.670	20.810	29.90000	20.00000	48.00000	1.04964	-.93908	-.90143	.10443	-.00978
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (KNA06I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 157/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.530	-.050	29.90000	.00000	48.00000	1.05135	-.96067	-1.14003	-.10566	-.00989
47.550	5.145	29.90000	.00000	48.00000	1.06197	-.98178	-1.05955	.00000	.00000
47.470	10.342	29.90000	10.00000	48.00000	1.05577	-.96555	-.97336	.04202	.00000
47.480	15.554	29.90000	15.00000	48.00000	1.04217	-.96274	-.93064	.10474	-.00981
47.650	20.806	29.90000	20.00000	48.00000	1.09163	-.93908	-.90143	.10443	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (KNA06J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 158/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.460	-.051	29.90000	.00000	47.50000	1.06197	-.98178	-1.12661	-.08453	-.01979
47.530	5.145	29.90000	5.00000	47.50000	1.04827	-.97891	-1.04308	-.04214	-.00986
47.310	10.341	29.90000	10.00000	47.50000	1.04521	-.97605	-.98670	.06303	-.00984
47.450	15.583	29.90000	15.00000	48.00000	1.04217	-.98367	-.91735	.04190	-.00981
47.870	20.783	29.90000	20.00000	48.00000	1.06014	-.97038	-.91469	.10443	-.00978
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (KNA06K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	15.000

RUN NO. 159/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.480	-.055	29.90000	.00000	48.00000	1.06197	-.98178	-1.12661	-.12679	-.00989
47.690	5.140	29.90000	5.00000	48.00000	1.05886	-.98943	-1.05645	-.04214	-.00986
47.600	10.326	29.90000	10.00000	47.50000	1.05577	-.98654	-.98670	.04202	.00000
47.680	15.549	29.90000	15.00000	48.00000	1.04217	-.97321	-.91735	.06284	.00000
47.830	20.785	29.90000	20.00000	48.50000	1.04964	-.97038	-.90143	.10443	-.00978
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (KNA06L) (15 APR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO			BETA =	5.000	ELEVON =	.000
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO			AILRON =	.000	BDFLAP =	.000
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO			SPDBRK =	.000	RUDDER =	20.500
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 160/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.360	-.050	29.90000	.00000	48.00000	1.05135	-.98178	-1.12661	-.12679	.00000
47.530	5.141	29.90000	5.00000	48.00000	1.05886	-.97891	-1.05645	-.04214	-.00986
47.680	10.336	29.90000	10.00000	48.00000	1.05577	-.98654	-1.00003	.00000	-.00984
47.630	15.547	29.90000	15.00000	48.00000	1.05270	-.98367	-.93064	.10474	.00981
47.440	20.800	29.90000	20.00000	48.00000	1.04964	-.97038	-.88817	.12532	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA06M) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO			BETA =	10.000	ELEVON =	.000
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO			AILRON =	.000	BDFLAP =	.000
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO			SPDBRK =	.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 161/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.610	-.038	29.85000	.00000	47.50000	1.07259	-.97122	-1.15344	-.08453	.00000
47.540	5.151	29.85000	5.00000	47.50000	1.06945	-.96838	-1.10994	-.04214	.00986
47.550	10.352	29.85000	10.00000	47.50000	1.05577	-.95555	-1.02670	.04202	.00000
47.970	15.573	29.85000	15.00000	48.00000	1.06322	-.95228	-.98392	.08379	.00981
47.730	20.823	29.85000	20.00000	48.00000	1.10212	-.94951	-.94120	.12532	.00978
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA06N) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 162/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.570	-.037	29.85000	.00000	47.50000	1.06197	-.97122	-1.19367	-.12679	.00000
47.700	5.151	29.85000	5.00000	48.00000	1.05886	-.97891	-1.10994	-.06321	.00000
47.440	10.349	29.85000	10.00000	47.50000	1.06633	-.96555	-1.02670	.00000	.00000
47.630	15.572	29.85000	15.00000	48.00000	1.06322	-.96274	-.97053	.08379	.00000
47.520	20.823	29.85000	20.00000	48.00000	1.08113	-.93908	-.92794	.12532	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA060) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 163/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.640	5.150	29.85000	5.00000	48.00000	1.06945	-.96838	-1.08320	-.08428	.00000
47.480	10.348	29.85000	10.00000	48.00000	1.05577	-.95506	-1.02670	.02101	.00000
47.500	15.575	29.85000	15.00000	47.50000	1.05270	-.96274	-.97053	.06284	.00000
47.740	20.820	29.85000	20.00000	48.00000	1.08113	-.95995	-.94120	.14621	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA06P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	15.000

RUN NO. 164/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.630	-.040	29.85000	.00000	48.00000	1.07259	-.96067	-1.15344	-.16906	.00000
47.450	5.148	29.85000	5.00000	47.50000	1.05886	-.96838	-1.09657	-.02107	.00000
47.590	10.346	29.85000	10.00000	47.50000	1.05633	-.96555	-1.02670	-.02101	.00000
47.510	15.566	29.85000	15.00000	48.00000	1.05270	-.96274	-.98382	.08379	.00981
47.820	20.818	29.85000	20.00000	48.00000	1.07063	-.94951	-.91469	.12532	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA06Q) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	20.500

RUN NO. 165/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.640	-.043	29.85000	.00000	48.00000	1.07259	-.98178	-1.19367	-.14793	.00000
47.600	5.147	29.85000	5.00000	48.00000	1.06945	-.97891	-1.09657	-.04214	.00000
47.570	10.342	29.85000	10.00000	47.50000	1.05577	-.97605	-1.05337	.02101	.00984
47.760	15.561	29.85000	15.00000	48.00000	1.06322	-.98367	-.98382	.06284	.00000
47.670	20.817	29.85000	20.00000	48.00000	1.04964	-.95995	-.94120	.08355	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNA06R) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6900 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 167/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.470	-5.243	29.85000	-5.00000	47.00000	1.06510	-1.00585	-1.19719	-.14836	-.00992
47.570	-2.651	29.85000	-2.50000	47.50000	1.07417	-1.00437	-1.15513	-.10582	-.00991
47.600	-.058	29.85000	.00000	47.50000	1.06197	-1.00289	-1.11320	-.04226	.00000
47.550	2.540	29.85000	2.50000	47.50000	1.06042	-1.00142	-1.08478	-.04220	-.00988
47.580	5.139	29.85000	5.00000	47.50000	1.05886	-1.01048	-1.04308	.00000	-.00986
47.810	7.739	29.85000	7.50000	47.50000	1.05731	-1.00901	-1.01485	.00000	-.00985
47.630	10.342	29.85000	10.00000	47.00000	1.06633	-.99704	-.97336	.06303	.00000
47.580	11.379	29.85000	11.00000	47.50000	1.05515	-1.00694	-.93282	.08399	-.00983
47.690	12.421	29.85000	12.00000	47.50000	1.05454	-.98539	-.94559	.06295	-.00982
47.670	13.462	29.85000	13.00000	47.50000	1.05392	-.99529	-.91842	.10486	.00000
47.600	14.505	29.85000	14.00000	47.00000	1.05331	-.97377	-.91788	.10480	-.00981
47.680	15.549	29.85000	15.00000	47.00000	1.06322	-.98367	-.90405	.10474	.00000
47.520	16.601	29.85000	16.00000	47.50000	1.06260	-1.00401	-.90353	.10468	.00000
47.620	17.651	29.85000	17.00000	47.50000	1.06199	-.99298	-.88972	.14646	.00000
47.520	18.708	29.85000	18.00000	47.50000	1.05086	-.99240	-.87594	.14638	.00000
47.490	19.768	29.85000	19.00000	47.50000	1.06075	-.99182	-.87543	.16719	.00000
47.660	20.817	29.85000	20.00000	47.50000	1.06014	-.99125	-.86166	.16710	.00000
	GRADIENT	.00000	.96321	.00000	-.00265	.00057	.01355	.01225	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (KNACSS) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 47/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.360	-5.233	29.88000	-5.00000	98.00000	1.08199	-.00535	-.45549	-.09641	.67704
94.320	-2.640	29.88000	-2.50000	98.00000	1.06963	-.00534	-.28511	-.01070	.74113
94.430	-.047	29.88000	.00000	98.50000	1.06805	-.02134	-.21013	.04272	.75504
94.430	2.550	29.88000	2.50000	98.00000	1.06647	-.00533	-.05415	.08531	.84878
94.430	5.148	29.88000	5.00000	98.00000	1.06490	-.00532	-.02027	.08519	.89739
94.320	7.747	29.88000	7.50000	98.00000	1.05264	-.00531	.01350	.08506	.92593
94.550	10.348	29.88000	10.00000	98.00000	1.05110	.00000	.01348	.09556	.92954
94.320	11.396	29.88000	11.00000	98.00000	1.03981	-.00530	.01347	.06367	.92900
94.410	12.437	29.88000	12.00000	97.50000	1.04453	.00000	.00673	.05302	.94831
94.660	13.479	29.88000	13.00000	98.50000	1.04924	.00000	+.00673	.04239	.95768
94.570	14.522	29.88000	14.00000	98.00000	1.04863	-.01058	-.02017	.03178	.94224
94.550	15.570	29.88000	15.00000	98.50000	1.03737	-.00529	-.02687	.02117	.93177
94.360	16.617	29.88000	16.00000	98.00000	1.05803	-.00529	-.06715	.00000	.91636
94.270	17.676	29.88000	17.00000	98.00000	1.03616	.00000	-.10066	-.02115	.91088
94.500	18.727	29.88000	18.00000	98.50000	1.04086	-.00528	-.12743	-.02114	.88066
94.570	19.777	29.88000	19.00000	98.50000	1.04025	.00000	-.17428	-.05281	.87025
94.590	20.820	29.88000	20.00000	98.50000	1.03434	-.00527	-.22777	-.08444	.85986
94.340	21.861	29.88000	21.00000	98.50000	1.02843	.00000	-.26780	-.13714	.84948
	GRADIENT	-.00000	.96341	-.00007	-.00061	.00001	.04451	.01850	.02075

ARC40X80-462(OA100) OV101(ADS OFF) (KNA06T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 168/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.490	-5.236	29.84000	-5.00000	47.00000	1.06510	-1.01644	-1.19719	-.10597	-.01985
47.640	-2.648	29.84000	-2.50000	47.00000	1.06353	-1.00437	-1.16857	-.10582	-.00991
47.650	-.056	29.84000	.00000	47.00000	1.06197	-1.01345	-1.11320	-.06340	-.00989
47.620	2.539	29.84000	2.50000	47.00000	1.06042	-.98034	-1.09818	-.04220	-.00988
47.610	5.139	29.84000	.00000	47.00000	1.06197	-1.00289	-1.05955	-.04226	-.00999
47.580	7.739	29.84000	7.50000	47.00000	1.05731	-.99850	-1.00149	.04208	-.00985
47.630	10.339	29.84000	10.00000	47.00000	1.05577	-.99704	-.97336	.06303	-.00984
47.580	11.382	29.84000	11.00000	47.00000	1.06571	-.99646	-.94614	.08399	-.00983
47.620	12.421	29.84000	12.00000	47.00000	1.05454	-.99588	-.95891	.06295	-.00982
47.510	13.462	29.84000	13.00000	46.00000	1.05392	-.98482	-.94504	.08389	-.00982
47.530	14.508	29.84000	14.00000	47.00000	1.05331	-.98424	-.94449	.08384	-.00981
47.560	15.551	29.84000	15.00000	47.00000	1.06322	-.98367	-.90405	.14663	-.00981
47.730	16.598	29.84000	16.00000	47.00000	1.06260	-.99356	-.91682	.14655	-.00980
47.530	17.653	29.84000	17.00000	47.00000	1.06199	-.97207	-.91628	.14646	.00000
47.600	18.709	29.84000	18.00000	47.00000	1.07188	-.96106	-.88921	.16729	.00000
47.740	19.762	29.84000	19.00000	47.00000	1.07126	-.98139	-.88869	.18809	-.00978
47.450	20.817	29.84000	20.00000	47.00000	1.06014	-.97038	-.87492	.18798	-.00978
	GRADIENT	-.00000	.96391	-.00000	-.00060	.00463	.01357	.01226	.00001

ARC40X80-462(OA100) OV101(ADS OFF) (KNA06U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 169/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.530	-5.219	29.84000	-5.00000	47.00000	1.06510	-.99526	-1.23755	-.19075	-.00992
47.640	-2.630	29.84000	-2.50000	47.00000	1.07417	-1.00437	-1.20886	-.10582	-.00991
47.640	-.041	29.84000	.00000	47.00000	1.06197	-1.00289	-1.15344	-.10566	-.00989
47.710	2.553	29.84000	2.50000	47.00000	1.07102	-1.00142	-1.15175	-.06330	-.00988
47.620	5.146	29.84000	5.00000	47.00000	1.05886	-.99996	-1.10994	-.02107	-.00986
47.620	7.650	29.84000	7.50000	47.00000	1.05731	-.98799	-1.09497	-.02104	-.00985
47.620	10.348	29.84000	10.00000	47.00000	1.05577	-.99704	-1.04003	.02101	-.00984
47.740	11.389	29.84000	11.00000	47.00000	1.06571	-.99646	-1.01277	.02100	.00000
47.600	12.433	29.84000	12.00000	47.00000	1.05454	-.99588	-1.01218	.04197	.00000
47.480	13.480	29.84000	13.00000	47.00000	1.05392	-.98482	-.99828	.04194	.00000
47.500	14.523	29.84000	14.00000	47.00000	1.04278	-.98424	-.98440	.06288	-.00981
47.620	15.575	29.84000	15.00000	47.00000	1.05270	-.99413	-.97453	.06284	.00000
47.600	16.625	29.84000	16.00000	47.00000	1.05208	-.98310	-.96997	.06281	.00000
47.500	17.671	29.84000	17.00000	47.00000	1.05147	-.98253	-.94284	.14646	-.00980
47.550	18.721	29.84000	18.00000	47.00000	1.05086	-.98196	-.94229	.14638	-.00979
47.530	19.768	29.84000	19.00000	47.00000	1.05025	-.98139	-.94175	.12539	-.00978
47.670	20.819	29.84000	20.00000	47.00000	1.04964	-.99125	-.92794	.12532	.00000
	GRADIENT	-.00000	.96462	.00000	-.00061	.00057	.01101	.00820	.00001

ARC40X80-462(OA100) OV101(ADS OFF) (KNA06V) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 166/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.850	-.063	29.85000	.00000	48.00000	1.06197	-.98178	-1.19367	-.12679	.00989
47.460	5.129	29.85000	5.00000	47.50000	1.05986	-.97891	-1.12331	-.09428	.00986
47.510	10.327	29.85000	10.00000	47.50000	1.05577	-.97605	-1.04003	.00000	-.00984
47.600	15.553	29.85000	15.00000	48.00000	1.05270	-.97321	-.97053	.06284	.00000
47.540	20.804	29.85000	20.00000	48.00000	1.06014	-.95995	-.91469	.08355	.01956
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (KNA06W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 170/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.520	-5.246	29.89000	-5.00000	48.00000	1.06510	-1.00585	-1.22409	-.14836	.01985
47.570	-2.655	29.89000	-2.50000	48.00000	1.06353	-1.00437	-1.16857	-.10582	.00000
47.500	-.063	29.89000	.00000	48.00000	1.07259	-.99234	-1.12661	-.06340	.00000
47.400	2.538	29.89000	2.50000	48.00000	1.06042	-.99089	-1.09818	-.04220	.00988
47.470	5.136	29.89000	5.00000	48.00000	1.05886	-.98943	-1.04308	.04214	.00986
47.370	7.735	29.89000	7.50000	48.00000	1.04674	-.99350	-1.01485	.00000	.00985
47.510	10.336	29.89000	10.00000	48.00000	1.06633	-.99704	-.98670	.06303	.00984
47.670	12.934	29.89000	12.50000	48.00000	1.06477	-.97462	-.95863	.10489	.00982
47.560	15.548	29.89000	15.00000	48.00000	1.05270	-.93413	-.93064	.10474	.00000
47.370	18.171	29.89000	17.50000	47.00000	1.08270	-.96134	-.88946	.16734	.00979
47.610	20.811	29.89000	20.00000	48.00000	1.06014	-.99125	-.88817	.14621	.00978
47.440	25.982	29.89000	25.00000	48.00000	1.06753	-.96757	-.84595	.20827	.00975
	GRADIENT	.00000	.96289	-.00000	-.00060	.00260	.01355	.01225	.00190

ARC40X80-462(0A100) OV101(ADS OFF) (KNA06X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 171/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.650	-13.000	29.89000	10.00000	48.00000	1.06633	-.99704	-1.08003	.00000	.00984
47.520	-10.000	29.89000	10.00000	48.00000	1.06577	-.99704	-1.06570	.02101	.00984
47.410	-2.000	29.89000	1.00000	48.00000	1.06135	-1.00231	-.99191	.06336	.00989
47.410	.000	29.89000	1.00000	48.00000	1.06135	-1.00231	-.99191	.08448	.00989
47.600	5.000	29.89000	-1.00000	48.00000	1.06260	-1.00348	-1.00650	.06343	.00990
47.380	10.000	29.89000	1.00000	48.00000	1.06135	-1.00231	-1.04553	.04224	.00989
47.390	15.000	29.89000	1.00000	48.00000	1.05074	-.99176	-1.09914	-.06336	.00000
47.200	20.000	29.89000	1.00000	47.00000	1.05074	-.99176	-1.16617	-.12672	.00000
	GRADIENT	.00000	-.30769	.00000	.00019	-.00018	-.00224	-.00080	.00000

ARC40X80-462(0A100) OV101+TUFTS (ADS OFF) (KNAOSY) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000

RUN NO. 172/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
9.590	-.074	29.86000	.00000	9.50000	1.05776	-1.05149	-1.06871	-.10524	.04927
9.630	5.120	29.86000	5.00000	9.00000	1.05467	-.99600	-.99399	.00000	.04913
9.660	10.325	29.86000	10.00000	9.50000	1.05160	-.99310	-.92968	.00000	.14696
9.630	15.532	29.86000	15.00000	9.50000	1.04855	-.99022	-.86077	.00000	.14653
9.490	20.764	29.86000	20.00000	8.50000	1.04552	-.93539	-.79226	.00000	.19481
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 173/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
19.020	-.074	29.86000	.00000	18.50000	1.05418	-1.00498	-1.07519	-.10588	.07436
19.040	5.117	29.86000	5.00000	18.50000	1.06107	-1.00204	-1.03855	-.05279	.12357
19.090	10.324	29.86000	10.00000	19.00000	1.05798	-.99912	-.93531	-.05263	.14785
19.080	15.531	29.86000	15.00000	18.50000	1.05491	-.99622	-.89929	-.05248	.22113
19.090	20.782	29.86000	20.00000	19.00000	1.05185	-.99334	-.83027	-.05233	.29399
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 174/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.410	-5.253	29.86000	-5.00000	48.00000	1.05445	-1.01644	-1.17029	-.16956	.03969
47.630	-2.664	29.86000	-2.50000	48.00000	1.06353	-1.00437	-1.12827	-.14814	.04954
47.490	-.074	29.86000	.00000	48.00000	1.06197	-1.00299	-1.09979	-.14793	.07915
47.330	2.522	29.86000	2.50000	47.50000	1.06042	-1.01197	-1.05800	-.12661	.10857
47.640	5.119	29.86000	5.00000	48.00000	1.08004	-.99996	-1.02971	-.10535	.13811
47.460	7.720	29.86000	7.50000	48.00000	1.05731	-.98799	-1.00149	-.12624	.15761
47.660	10.323	29.86000	10.00000	48.00000	1.05577	-.99704	-.93336	-.08404	.18668
47.580	12.922	29.86000	12.50000	48.00000	1.05423	-.99559	-.91869	-.09391	.19643
47.590	15.533	29.86000	15.00000	48.50000	1.08428	-.98367	-.90405	-.08379	.22557
47.610	18.150	29.86000	17.50000	48.00000	1.05117	-.98224	-.86291	-.08367	.26442
47.580	20.791	29.86000	20.00000	48.00000	1.04964	-1.01212	-.84841	-.08355	.30315
47.190	25.937	29.86000	25.00000	48.00000	1.04860	-.96757	-.79308	-.10413	.39003
	GRADIENT	.00000	.96415	-.09645	-.00060	-.00147	.01355	.00415	.01140

ARC40X80-462(0A100) 0V101+TUFTS (ADS OFF) (KNA06Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 175/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.750	-5.249	29.89000	-5.00000	48.00000	1.07575	-.99526	-1.19719	-.23314	.02977
47.650	-2.660	29.89000	-2.50000	47.50000	1.07417	-.98323	-1.18200	-.16931	.05945
47.580	-.070	29.89000	.00000	47.50000	1.07259	-.99234	-1.12661	-.14793	.06926
47.400	2.526	29.89000	2.50000	47.50000	1.06042	-.99088	-1.11157	-.16891	.08891
47.470	5.122	29.89000	5.00000	47.50000	1.05986	-.98343	-1.05645	-.16855	.11938
47.640	7.725	29.89000	7.50000	48.00000	1.05731	-.96696	-1.02920	-.12624	.14776
47.450	10.326	29.89000	10.00000	48.00000	1.06633	-.96555	-.98670	-.12605	.18688
47.530	12.929	29.89000	12.50000	47.50000	1.06477	-.97462	-.93200	-.12587	.19643
47.690	15.537	29.89000	15.00000	48.00000	1.05270	-.99413	-.93064	-.10474	.23538
47.480	18.155	29.89000	17.50000	48.00000	1.07219	-.97179	-.90274	-.10459	.25462
47.590	20.788	29.89000	20.00000	48.00000	1.07063	-.95995	-.87492	-.14621	.30315
47.360	25.983	29.89000	25.00000	47.50000	1.06753	-.96757	-.84595	-.16661	.38027
	GRADIENT	.00000	.96402	.00000	-.00265	-.00148	.01358	.00009	.00568

ARC40X80-462(0A100) 0V101 (KNA07A) (16 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 176/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.180	-.048	29.89000	.00000	97.50000	1.07040	-.99989	-.32798	.27644	.46604
94.280	5.145	29.89000	5.00000	97.50000	1.07578	-1.01593	-.08115	.35619	.61137
94.750	10.344	29.89000	10.00000	98.50000	1.08653	-1.02128	.00000	.35619	.71159
94.370	15.559	29.89000	15.00000	98.00000	1.09729	-1.01593	-.00676	.32960	.71661
94.330	20.825	29.89000	20.00000	98.75000	1.08653	-1.01058	-.13525	.28707	.65146
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (KNA07B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 177/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.560	-5.240	29.89000	-5.00000	98.75000	1.07578	-1.02662	-.55114	.03190	.48108
94.350	-2.649	29.89000	-2.50000	98.50000	1.07578	-1.02662	-.36517	.09038	.58130
94.170	-.056	29.89000	.00000	98.00000	1.07040	-1. 2128	-.20963	.15949	.65146
94.450	2.541	29.89000	2.50000	98.00000	1.07579	-1.02662	-.13525	.20201	.72162
94.510	5.139	29.89000	5.00000	98.50000	1.07040	-1.03197	-.04396	.22328	.77173
94.320	7.738	29.89000	7.50000	98.50000	1.07040	-1.02128	-.00676	.22328	.81683
94.710	10.348	29.89000	10.00000	98.50000	1.08116	-1.04801	.00676	.22860	.81683
94.310	12.946	29.89000	12.50000	99.00000	1.07040	-1.03732	.00676	.21265	.83186
94.310	15.557	29.89000	15.00000	98.00000	1.06502	-1.03732	-.02705	.18607	.83186
94.550	18.382	29.89000	17.50000	98.50000	1.07040	-1.03732	-.07439	.17012	.79177
	GRADIENT	-.00000	.98334	-.09631	.00000	-.00000	.04429	.02151	.02703

ARC40X80-462(OA100) OV101 (KNA07C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 178/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.190	-5.234	29.89000	-5.00000	97.50000	1.05964	-1.05336	-.42941	-.07443	.68654
94.480	-2.643	29.89000	-2.50000	98.50000	1.05964	-1.04801	-.28740	-.00532	.74667
94.510	-.049	29.89000	.00000	98.25000	1.05964	-1.05336	-.20625	.05848	.76672
94.470	2.548	29.89000	2.50000	98.50000	1.05964	-1.05371	-.08453	.08506	.86694
94.270	5.145	29.89000	5.00000	99.00000	1.05426	-1.04267	-.01352	.09038	.91204
94.160	7.746	29.89000	7.50000	97.50000	1.05964	-1.05336	.01352	.09038	.93710
94.150	10.349	29.89000	10.00000	97.50000	1.04888	-1.04267	.01352	.08506	.95213
94.370	12.957	29.89000	12.50000	99.00000	1.05964	-1.05336	.00338	.05848	.97218
94.300	15.565	29.89000	15.00000	97.50000	1.05426	-1.05336	-.04734	.03190	.94712
94.200	18.196	29.89000	17.50000	97.50000	1.05426	-1.03732	-.12172	-.01063	.90202
94.170	20.818	29.89000	20.00000	99.00000	1.04888	-1.05336	-.22654	-.07443	.87195
	GRADIENT	-.00000	.96328	.00003	.00000	-.00206	.03909	.01741	.02317

ARC40X80-462(OA100) OV101 (KNA07D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 179/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.250	-5.223	29.90000	-5.00000	96.50000	1.07578	-1.00524	-.31445	-.04785	.81683
94.150	-2.632	29.90000	-2.50000	96.00000	1.08116	-1.01058	-.22654	-.01595	.84189
94.300	-.039	29.90000	.00000	96.25000	1.07040	-1.01593	-.10820	.00532	.94712
94.240	2.556	29.90000	2.50000	96.25000	1.09729	-1.01058	-.03043	.02126	1.01227
94.350	5.153	29.90000	5.00000	95.75000	1.08116	-1.01058	-.00676	.01595	1.05737
94.130	7.751	29.90000	7.50000	96.25000	1.08116	-1.01058	.01014	.01063	1.05737
94.300	10.357	29.90000	10.00000	96.50000	1.07040	-1.01058	.00676	-.01595	1.07741
94.440	12.955	29.90000	12.50000	96.50000	1.07578	-1.01593	-.02367	-.03721	1.06739
94.390	15.580	29.90000	15.00000	96.50000	1.07578	-1.01593	-.08453	-.07974	1.05737
94.270	18.201	29.90000	17.50000	96.00000	1.08116	-1.00524	-.17582	-.12227	.99222
94.070	20.817	29.90000	20.00000	96.00000	1.07578	-1.01058	-.30431	-.21265	.97218
	GRADIENT	.00000	.96376	.04819	.00311	.00000	.03780	.00717	.03284

ARC40X80-462(OA100) OV101+NOSE GEAR (KNA07E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 180/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.090	-.048	29.93000	.00000	96.75000	1.07040	-1.00524	-.25021	.22860	.58631
94.500	10.345	29.93000	10.00000	97.25000	1.07578	-1.02128	.00338	.34024	.72663
94.420	15.558	29.93000	15.00000	97.25000	1.09729	-1.01058	-.01691	.32960	.73665
94.220	20.813	29.93000	20.00000	97.00000	1.08116	-.98385	-.15215	.26049	.66148
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (KNA07F) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 181/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.260	-5.240	29.93000	-5.00000	99.75000	1.08116	-1.01058	-.44632	.04785	.57128
94.390	-2.648	29.93000	-2.50000	95.00000	1.09653	-1.01058	-.31445	.09038	.66649
94.370	-.055	29.93000	.00000	97.25000	1.07578	-1.01058	-.20287	.15949	.70658
93.980	2.539	29.93000	2.50000	98.50000	1.06502	-1.00524	-.10144	.20201	.76171
94.500	5.138	29.93000	5.00000	97.25000	1.08116	-1.00524	-.04396	.22328	.82685
94.490	7.739	29.93000	7.50000	97.00000	1.08116	-1.01593	-.00676	.20733	.84189
94.370	10.347	29.93000	10.00000	96.75000	1.08116	-1.01058	.00676	.22328	.83687
94.240	12.946	29.93000	12.50000	96.50000	1.08116	-1.01593	-.00338	.19138	.85692
94.570	15.556	29.93000	15.00000	95.00000	1.09653	-1.00524	-.03719	.18075	.84690
94.140	20.804	29.93000	20.00000	96.75000	1.07578	-.92454	-.20287	.11164	.74667
	GRADIENT	.00000	.95389	.28910	-.00415	.00103	.04106	.02152	.01836

ARC40X80-462(OA100) OV101+NOSE GEAR (KNA07G) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = -5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 182/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.590	-.048	29.93000	.00000	97.25000	1.06502	-1.02128	-.19611	.05848	.80681
94.180	5.147	29.93000	5.00000	97.00000	1.06502	-1.02128	-.01691	.07974	.96215
94.460	10.351	29.93000	10.00000	97.00000	1.07040	-1.01593	.00000	.07974	.97719
94.200	15.563	29.93000	15.00000	96.75000	1.06502	-1.02128	-.06762	.04785	.94712
94.470	20.815	29.93000	20.00000	97.00000	1.07578	-1.01593	-.27050	-.07443	.86193
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (KNA07H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 183/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.280	-.035	29.93000	.00000	96.50000	1.05964	-1.02662	-.10144	-.04253	1.01227
94.380	5.152	29.93000	5.00000	97.00000	1.08116	-1.03197	-.00338	-.04785	1.09245
94.250	10.356	29.93000	10.00000	96.50000	1.06502	-1.02128	.00000	-.04785	1.10748
94.220	15.581	29.93000	15.00000	96.50000	1.05884	-1.01593	-.09805	-.08506	1.03231
94.530	20.834	29.93000	20.00000	96.75000	1.07040	-1.02128	-.36855	-.24986	.92708
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (KNA07I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 184/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.150	-.052	29.95000	.00000	95.50000	1.08116	-.96781	-.29416	.22328	.53620
94.290	5.140	29.95000	5.00000	96.25000	1.09729	-.97315	-.09129	.34555	.64144
94.410	10.342	29.95000	10.00000	96.25000	1.09191	-.97315	-.00338	.36150	.71159
94.530	15.560	29.95000	15.00000	96.25000	1.09191	-.98385	-.01014	.34555	.72162
94.310	20.818	29.95000	20.00000	95.75000	1.09729	-.96246	-.13187	.29239	.65146
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (KNA07J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 185/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.060	-5.240	29.95000	-5.00000	95.50000	1.08116	-.96781	-.56466	.06379	.47607
94.520	-2.649	29.95000	-2.50000	96.25000	1.08853	-.97315	-.37869	.11164	.57629
94.500	-.060	29.95000	.00000	96.75000	1.10267	-.96246	-.23330	.15417	.67651
93.980	2.537	29.95000	2.50000	96.00000	1.08853	-.96781	-.12510	.21265	.70157
94.070	5.133	29.95000	5.00000	95.00000	1.07578	-.96246	-.04734	.23923	.76171
93.670	7.736	29.95000	7.50000	95.50000	1.08116	-.97315	-.01014	.23923	.82184
94.470	10.340	29.95000	10.00000	96.50000	1.09729	-.97850	.00338	.25518	.82184
94.200	12.941	29.95000	12.50000	96.00000	1.10805	-.96781	.00338	.23391	.84189
95.730	15.565	29.95000	15.00000	97.50000	1.11343	-.97850	-.02029	.21796	.84189
94.370	18.182	29.95000	17.50000	96.50000	1.09191	-.96246	-.08791	.20201	.80180
	GRADIENT	-.00000	.96417	-.04834	-.00000	.00103	.04890	.01948	.02415

ARC40X80-462(OA100) OV101(FTP OFF) (KNA07K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 186/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.190	-.053	29.95000	.00000	96.00000	1.09729	-.97315	-.15892	.10632	.79177
93.830	5.144	29.95000	5.00000	95.50000	1.08116	-.96781	-.02367	.12759	.91705
93.970	10.346	29.95000	10.00000	95.50000	1.08116	-.96246	.00338	.12759	.94712
94.430	15.562	29.95000	15.00000	96.50000	1.09191	-.97315	-.04734	.07443	.94712
94.150	20.819	29.95000	20.00000	96.00000	1.09729	-.95711	-.25697	-.02126	.87697
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (KNA07L) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 187/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.450	-.040	29.95000	.00000	96.25000	1.08653	-.96781	-.10144	.01063	.95213
94.330	5.151	29.95000	5.00000	96.50000	1.09191	-.97315	.00338	.01595	1.06238
94.270	10.353	29.95000	10.00000	96.00000	1.08116	-.97850	.00676	-.01063	1.08242
94.200	20.827	29.95000	20.00000	95.75000	1.09191	-.96246	-.29078	-.17543	.96215
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (KNA07M) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 188/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
94.160	-.073	29.95000	.00000	96.00000	1.08116	-.96781	-.25021	.13291	.66649
94.210	5.117	29.95000	5.00000	95.75000	1.08116	-.97315	-.04396	.22860	.76672
94.200	10.325	29.95000	10.00000	96.00000	1.08116	-.97850	.00676	.23923	.82184
94.330	15.539	29.95000	15.00000	96.25000	1.09191	-.96781	-.01691	.20733	.83186
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (KNA07N) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	22.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 189/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.640	-10.000	29.92000	10.00000	48.25000	1.07035	-.94812	.00000	-.03142	1.08604
47.530	-5.000	29.92000	10.00000	48.25000	1.07035	-.95866	.00666	.12569	.94782
47.240	-2.000	29.92000	10.00000	47.75000	1.07035	-.94812	.00666	.18853	.86884
47.530	.000	29.92000	10.00000	48.25000	1.07035	-.96919	.00666	.21995	.80960
47.480	2.000	29.92000	10.00000	48.25000	1.07035	-.94812	.00666	.27232	.77998
47.380	5.000	29.92000	10.00000	47.75000	1.08094	-.93759	.00000	.33517	.71086
47.450	10.000	29.92000	10.00000	49.25000	1.09154	-.92705	-.01998	.46085	.57264
47.380	20.000	29.92000	10.00000	48.00000	1.07035	-.94812	-.08660	.62844	.30607
	GRADIENT	.00000	.00000	-.02586	.00091	.00182	-.00057	.02095	-.02349

ARC40X80-462(OA100) OV101(FTP OFF) (KNA07O) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 190/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	QI	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.640	-10.000	29.92000	10.00000	48.25000	1.09154	-.93759	.00000	-.01047	1.06630
47.550	-5.000	29.92000	10.00000	48.25000	1.08094	-.94812	.00666	.12569	.92807
47.650	-2.000	29.92000	10.00000	48.25000	1.08094	-.95866	.00000	.19901	.86884
47.360	.000	29.92000	10.00000	47.75000	1.08094	-.93759	.01332	.24090	.81947
47.420	2.000	29.92000	10.00000	48.00000	1.07035	-.93759	.00666	.28280	.77998
47.500	5.000	29.92000	10.00000	48.00000	1.09154	-.93759	-.00666	.34564	.71086
47.490	15.000	29.92000	10.00000	48.25000	1.08094	-.93759	-.04663	.60749	.43442
47.330	20.000	29.92000	10.00000	48.00000	1.09154	-.92705	-.07994	.65986	.30607
	GRADIENT	.00000	.00000	-.03017	.00055	.00163	-.00092	.02185	-.02179

ARC40X80-462(OA100) OV101 (KNA07P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 85/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.990	-13.000	29.82000	10.00000	48.50000	1.07889	.00000	.00000	-.10505	1.16066
47.900	-10.000	29.82000	10.00000	48.00000	1.06633	.00000	.01333	-.02101	1.06229
47.590	-5.000	29.82000	10.00000	48.00000	1.07889	.00000	.02667	.10505	.94426
47.840	-2.000	29.82000	10.00000	48.00000	1.05577	.00000	.01333	.18908	.87541
47.790	.000	29.82000	10.00000	48.00000	1.05577	.00000	.02667	.23110	.81639
47.800	2.000	29.82000	10.00000	48.00000	1.05577	.00000	.02667	.25211	.78689
47.750	5.000	29.82000	10.00000	48.00000	1.05577	.00000	.02667	.33614	.70820
47.630	10.000	29.82000	10.00000	48.00000	1.05577	.00000	.00000	.44119	.59033
47.530	15.000	29.82000	10.00000	48.00000	1.05577	.01050	-.02667	.54624	.44262
	GRADIENT	.00000	.00000	.00000	-.00182	.00000	.00046	.02210	-.02340

ARC40X80-462(OA100) OV101 (KNA07Q) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 100/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	BAR	ALPHAU	Q1	DP/Q55	DP/Q54	DP/Q58	DP/Q60	DP/Q66
47.610	-13.000	29.80000	10.00000	47.50000	1.06633	.00000	.00000	-.12605	1.15082
47.820	-10.000	29.80000	10.00000	48.50000	1.05577	.00000	.01333	-.04202	1.10164
47.670	-5.000	29.80000	10.00000	47.50000	1.04521	.00000	.01333	.08404	.93443
47.670	-2.000	29.80000	10.00000	47.50000	1.04521	.00000	.01333	.16807	.87541
47.600	.000	29.80000	10.00000	47.50000	1.04521	.00000	.01333	.18908	.82623
47.560	2.000	29.80000	10.00000	49.00000	1.06633	.01050	.01333	.23110	.78689
47.750	5.000	29.80000	10.00000	47.50000	1.06633	.00000	.01333	.31514	.70820
47.670	10.000	29.80000	10.00000	49.00000	1.05577	.02099	.00000	.44119	.57049
47.610	15.000	29.80000	10.00000	49.00000	1.05577	.00000	-.04000	.54624	.45246
47.680	20.000	29.80000	10.00000	47.50000	1.06633	.00000	-.06667	.63027	.31475
	GRADIENT	.00000	.00000	.05172	.00255	.00036	.00000	.02210	-.02256

ARC40X80-462(OA100) OV101 (LNA02D) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 57/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.760	-.064	10.00000	.00000	48.00000	4.50199	.00681	-.03694	-.09163	-.16819	.32399	10.17740
47.770	2.461	10.00000	.00000	48.00000	4.51293	-.01507	-.01507	-.09163	-.14631	.30211	10.17930
47.800	4.956	10.00000	.00000	48.00000	4.54574	.00681	-.04788	-.09163	-.15725	.31305	10.18250
47.880	7.495	10.00000	.00000	48.00000	4.46811	-.00463	-.03710	-.10205	-.15618	.32012	10.18790
47.690	10.020	10.00000	.00000	48.00000	4.52395	.00681	-.03694	-.10256	-.13538	.31305	10.18750
47.640	15.039	10.00000	.00000	48.00000	4.50199	-.00413	-.03694	-.09163	-.15725	.30211	10.21370
	GRADIENT	-.00000	.00000	-.00000	.00871	-.00002	-.00216	.00000	.00219	-.00219	.00102

ARC40X80-462(OA100) OV101 (LNA02E) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 58/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.510	-.064	15.00000	.00000	48.00000	4.42543	-.05882	-.08069	-.12444	-.19006	.45523	15.39270
47.450	2.461	15.00000	.00000	47.00000	4.49786	-.04779	-.09247	-.12597	-.17065	.46597	15.38990
47.560	4.971	15.00000	.00000	48.00000	4.43637	-.03694	-.08069	-.12444	-.16819	.45523	15.39340
47.500	7.465	15.00000	.00000	48.00000	4.43637	-.03694	-.08069	-.12444	-.17912	.45523	15.39760
47.370	10.020	15.00000	.00000	48.00000	4.41449	-.04788	-.10256	-.13538	-.19006	.45523	15.39600
47.570	15.055	15.00000	.00000	48.00000	4.40356	-.03694	-.08069	-.14631	-.19006	.44430	15.39770
	GRADIENT	.00000	.00000	-.00038	.00220	.00435	-.00000	-.00000	.00435	.00000	.00019

ARC40X80-462(OA100) OV101 (LNA02F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 59/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
45.310	-.064	20.00000	.00000	50.00000	4.14220	-.12161	-.15312	-.17412	-.23714	.54001	20.65880
47.090	2.461	20.00000	.00000	47.00000	4.37500	-.14931	-.14831	-.18182	-.23766	.57765	20.65709
47.600	4.971	20.00000	.00000	48.00000	4.30512	-.14631	-.15725	-.19006	-.25569	.57554	20.65230
47.390	7.480	20.00000	.00000	47.00000	4.40851	-.14831	-.15948	-.20415	-.26000	.58882	20.65919
47.470	10.020	20.00000	.00000	48.00000	4.30512	-.14631	-.16819	-.20100	-.25569	.61929	20.65590
47.360	15.010	20.00000	.00000	48.00000	4.30512	-.14631	-.15725	-.20100	-.25569	.59742	20.65469
	GRADIENT	.00000	.00000	-.39805	.03242	-.00491	-.00082	-.00317	-.00368	.00707	-.00129

ARC40X80-462(OA100) OV101 (LNA02G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 70/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
48.060	-.053	.00000	.00000	48.50000	.16857	-.00463	-.04793	-.08040	-.13453	.00620	-.34040
47.800	2.441	.00000	.00000	47.50000	.15110	-.00363	-.04783	-.06994	-.13625	-.00363	-.33890
47.850	4.966	.00000	.00000	48.50000	.16857	.02785	-.04793	-.06958	-.14535	.03867	-.32630
47.690	7.475	.00000	.00000	48.50000	.15775	.00620	-.05875	-.08040	-.14535	.01702	-.30830
47.660	10.000	.00000	.00000	48.50000	.16957	.01702	-.04793	-.06958	-.14535	.01702	-.28860
47.530	15.005	.00000	.00000	47.50000	.17320	.01848	-.06994	-.08099	-.13625	.02953	-.25800
	GRADIENT	.00000	.00000	.00082	.00001	.00648	-.00000	.00215	-.00216	.00649	.00281

ARC40X80-462(0A100) 0V101 (LNA02H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 71/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.420	-.068	5.00000	.00000	49.50000	.19593	.03682	-.04804	-.06925	-.12229	.15350	4.84390
47.380	2.455	5.00000	.00000	47.50000	.18425	.02953	-.01468	-.05888	-.12520	.16215	4.85130
47.560	4.966	5.00000	.00000	47.50000	.18425	.05163	-.01468	-.05888	-.11414	.16215	4.86170
47.530	7.476	5.00000	.00000	47.50000	.18425	.01848	-.00363	-.05888	-.13625	.18425	4.87510
47.490	9.986	5.00000	.00000	47.50000	.17320	.04058	-.00363	-.05888	-.12520	.15110	4.89760
47.450	15.020	5.00000	.00000	47.50000	.16215	.01848	-.02573	-.06994	-.13625	.16215	4.93140
	GRADIENT	-.00000	.00000	-.39767	-.00232	.00294	.00663	.00206	.00162	.00172	.00354

ARC40X80-462(0A100) 0V101 (LNA02I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 72/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.650	-.053	10.00000	.00000	47.50000	.15110	.01848	-.03678	-.05888	-.12520	.30582	10.03710
47.620	2.442	10.00000	.00000	48.50000	.12527	.01702	-.03710	-.08040	-.13453	.30930	10.03800
47.580	5.408	10.00000	.00000	47.50000	.15110	.01848	-.01468	-.08099	-.12520	.30582	10.07030
47.500	7.491	10.00000	.00000	47.50000	.14005	.01848	-.01468	-.06994	-.12520	.28372	10.07050
47.460	10.000	10.00000	.00000	47.50000	.15110	.01848	-.02573	-.08099	-.14730	.29477	10.09890
47.370	15.035	10.00000	.00000	47.50000	.12899	.01848	-.01468	-.06994	-.13625	.31687	10.13050
	GRADIENT	.00000	.00000	.40087	-.01035	-.00058	-.00013	-.00863	-.00374	.00139	.00036

ARC40X80-462(OA100) OV101 (LNA02J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 73/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.540	-.053	15.00000	.00000	47.50000	.07374	-.01468	-.02573	-.09204	-.14730	.43844	15.23020
47.580	2.456	15.00000	.00000	47.50000	.08479	-.00363	-.01468	-.11414	-.14730	.47160	15.22850
47.480	4.966	15.00000	.00000	47.50000	.05163	-.01468	-.06994	-.11414	-.15835	.44949	15.23270
47.420	7.491	15.00000	.00000	49.00000	.04846	-.00512	-.05870	-.12299	-.15513	.43420	15.26340
47.350	9.970	15.00000	.00000	47.50000	.04058	-.01468	-.05888	-.12520	-.16940	.46054	15.28240
47.430	15.020	15.00000	.00000	47.50000	.05163	-.03678	-.06994	-.12520	-.15835	.43844	15.33470
	GRADIENT	-.00000	.00000	-.00000	-.00440	-.00000	-.00881	-.00440	-.00220	.00220	.00050

ARC40X80-462(OA100) OV101 (LNA02K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 74/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.470	-.068	20.00000	.00000	48.50000	-.04793	-.11288	-.11288	-.16700	-.24278	.55827	20.48309
47.470	2.456	20.00000	.00000	47.50000	-.05888	-.10309	-.11414	-.18045	-.19150	.58211	20.48579
47.410	4.981	20.00000	.00000	47.50000	-.05888	-.12520	-.12520	-.16940	-.23571	.58211	20.48569
47.390	7.461	20.00000	.00000	47.50000	-.05888	-.11414	-.12520	-.19150	-.21361	.57106	20.48810
47.330	9.986	20.00000	.00000	47.50000	-.05888	-.12520	-.12520	-.18045	-.23571	.58211	20.49449
47.780	15.020	20.00000	.00000	48.50000	-.06958	-.12370	-.13453	-.18865	-.23195	.57992	20.56299
	GRADIENT	-.00000	.00000	-.19805	-.00217	-.00244	-.00244	-.00047	.00140	.00472	.00051

ARC40X80-462(OA100) OV101 (LNA02L) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 60/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.680	.000	.00000	5.00000	47.00000	.05273	-.10364	-.17065	-.15948	-.21532	.01922	-.04990
47.880	2.524	.00000	5.00000	48.00000	.05056	-.11350	-.15725	-.15725	-.23381	.00681	-.05140
47.950	5.005	.00000	5.00000	48.00000	.03962	-.11350	-.15725	-.15725	-.23381	-.00413	-.05250
47.800	7.514	.00000	5.00000	48.00000	.03962	-.10256	-.15725	-.15725	-.22287	.01774	-.05330
47.730	10.024	.00000	5.00000	48.00000	.03962	-.11350	-.15725	-.15725	-.22287	.00681	-.05380
47.790	15.038	.00000	5.00000	48.00000	.03962	-.10256	-.16019	-.15725	-.23381	.00681	-.05320
	GRADIENT	.00000	.00000	.39612	-.00086	-.00391	.00531	.00088	-.00732	-.00492	-.00059

ARC40X80-462(OA100) OV101 (LNA02M) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 61/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.920	.000	5.00000	5.00000	48.00000	.02858	-.10256	-.14631	-.14631	-.21194	.14899	5.14540
47.840	2.510	5.00000	5.00000	48.00000	.02858	-.09163	-.14631	-.14631	-.21194	.14899	5.14770
47.740	4.990	5.00000	5.00000	48.00000	.02868	-.11350	-.14631	-.15725	-.21194	.15993	5.14580
47.700	7.514	5.00000	5.00000	47.00000	.04156	-.11480	-.12597	-.15948	-.21532	.15324	5.14660
47.820	10.009	5.00000	5.00000	48.00000	.02868	-.09163	-.14631	-.15725	-.21194	.15993	5.14540
47.620	15.059	5.00000	5.00000	48.00000	.03962	-.09163	-.14631	-.15725	-.21194	.14899	5.14370
	GRADIENT	-.00000	-.00000	-.00000	.00000	-.00218	.00000	-.00219	.00000	.00219	.00008

ARC40X80-462(OA100) OV101 (LNA02N) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 62/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.830	.000	10.00000	5.00000	48.00000	-.02600	-.11350	-.14631	-.16819	-.23381	.30211	10.34720
47.820	2.495	10.00000	5.00000	48.00000	-.02600	-.12444	-.14631	-.15725	-.23381	.29117	10.34480
47.780	5.005	10.00000	5.00000	48.00000	-.02600	-.12444	-.14631	-.15725	-.22287	.29117	10.34240
47.670	7.499	10.00000	5.00000	48.00000	-.04768	-.12444	-.15725	-.16819	-.23381	.29117	10.34300
47.670	10.024	10.00000	5.00000	48.00000	-.03694	-.12444	-.13538	-.16819	-.23381	.26930	10.34630
47.800	15.088	10.00000	5.00000	48.00000	-.03694	-.12444	-.14631	-.16819	-.21194	.30211	10.34780
	GRADIENT	.00000	.00000	.00000	.00000	-.00438	.00000	.00438	.00000	-.00438	-.00096

ARC40X80-462(OA100) OV101 (LNA020) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 63/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.700	.000	15.00000	5.00000	48.00000	-.13538	-.15725	-.17912	-.21194	-.25569	.44430	15.55740
47.800	2.524	15.00000	5.00000	48.00000	-.13538	-.15725	-.17912	-.23381	-.25569	.44430	15.55920
47.750	5.005	15.00000	5.00000	48.00000	-.14631	-.16819	-.17912	-.22287	-.26662	.43336	15.55860
47.700	7.499	15.00000	5.00000	48.00000	-.13538	-.15725	-.19006	-.21194	-.25569	.42242	15.55630
47.770	10.024	15.00000	5.00000	48.00000	-.13538	-.17912	-.19006	-.22287	-.26662	.43336	15.56090
47.900	15.059	15.00000	5.00000	48.00000	-.14631	-.17912	-.19006	-.23381	-.25569	.43336	15.55880
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00867	.00000	.00000	.00071

ARC40X80-462(OA100) OV101 (LNA02P) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 20.000 BETA = 5.000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 64/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.710	.000	20.00000	5.00000	48.50000	-.28608	-.26443	-.26443	-.29690	-.31855	.56910	20.81099
48.030	2.524	20.00000	5.00000	48.00000	-.27756	-.26662	-.23381	-.28850	-.34318	.56460	20.81099
47.850	5.020	20.00000	5.00000	48.00000	-.29943	-.26562	-.25569	-.31037	-.33224	.53179	20.81439
47.840	7.489	20.00000	5.00000	48.00000	-.27756	-.23381	-.24475	-.28850	-.34318	.59742	20.81369
47.810	10.009	20.00000	5.00000	48.00000	-.28850	-.25569	-.22287	-.29943	-.34318	.52086	20.81110
47.700	15.073	20.00000	5.00000	48.00000	-.25569	-.25569	-.23381	-.31037	-.34318	.57554	20.80440
	GRADIENT	.00000	.00000	-.19806	.00337	-.00087	.01213	.00333	-.00976	-.00178	.00000

ARC40X80-462(OA100) OV101 (LNA02Q) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = .000 BETA = 5.000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 65/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.570	.035	.00000	5.00000	47.00000	.04156	-.11480	-.17065	-.15948	-.23766	.00805	.09770
47.800	2.569	.00000	5.00000	48.00000	.03962	-.10256	-.15725	-.15725	-.23381	.00681	.09610
47.770	5.069	.00000	5.00000	48.00000	.02968	-.11350	-.15725	-.17912	-.22287	.02868	.09620
47.740	7.533	.00000	5.00000	47.00000	.03039	-.11480	-.17065	-.17065	-.22649	.00805	.09890
47.730	10.043	.00000	5.00000	48.00000	.02868	-.10256	-.15725	-.16819	-.22287	.01774	.09560
47.770	12.896	.00000	5.00000	48.00000	.02868	-.12444	-.16819	-.15725	-.22287	-.00413	.08890
	GRADIENT	.00000	.00000	.39522	-.00077	.00485	.00531	.00088	.00152	-.00049	-.00063

ARC40X80-462(OA100) OV101 (LNA02R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 66/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.850	.049	5.00000	5.00000	48.00000	.02868	-.10256	-.14631	-.15725	-.21194	.13805	5.29310
47.690	2.559	5.00000	5.00000	48.00000	.02868	-.09163	-.14631	-.14631	-.21194	.14899	5.29330
47.780	5.024	5.00000	5.00000	48.00000	.02868	-.11350	-.15725	-.15725	-.23381	.13805	5.29510
47.750	7.518	5.00000	5.00000	48.50000	.01702	-.10205	-.13453	-.15618	-.21030	.14692	5.29330
47.710	10.043	5.00000	5.00000	47.00000	.03039	-.10364	-.13714	-.15948	-.22649	.15324	5.29450
47.610	12.896	5.00000	5.00000	48.00000	-.00413	-.12444	-.14631	-.16819	-.22287	.14899	5.29640
	GRADIENT	.00000	.00000	.00000	.00000	.00436	.00000	.00436	.00000	.00436	.00008

ARC40X80-462(OA100) OV101 (LNA02S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 67/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.830	.049	10.00000	5.00000	48.00000	-.03694	-.12444	-.14631	-.16819	-.23381	.29117	10.49490
47.440	2.559	10.00000	5.00000	48.50000	-.02628	-.12370	-.14535	-.16700	-.21030	.28765	10.49380
47.780	5.068	10.00000	5.00000	48.00000	-.02600	-.12444	-.13538	-.17912	-.24475	.29117	10.49550
47.740	7.578	10.00000	5.00000	48.00000	-.02600	-.14631	-.15725	-.16819	-.21194	.29117	10.49660
47.710	10.043	10.00000	5.00000	48.00000	-.02600	-.12444	-.15725	-.17912	-.24475	.29117	10.49480
47.810	12.896	10.00000	5.00000	48.00000	-.03694	-.14631	-.16819	-.16819	-.23381	.30211	10.49630
	GRADIENT	.00000	.00000	.19025	.00425	.00029	.00038	.00047	.00937	.00141	-.00044

ARC40X80-462(OA100) OV101 (LNA02T) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 15.000 BETA = 5.000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 68/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.580	.049	15.00000	5.00000	47.00000	-.13714	-.15948	-.19298	-.22649	-.27116	.46597	15.70980
47.690	2.543	15.00000	5.00000	48.00000	-.13538	-.16819	-.19006	-.23381	-.26662	.46617	15.71140
47.710	5.038	15.00000	5.00000	48.00000	-.11350	-.17912	-.19006	-.23381	-.25569	.45523	15.71090
47.740	7.534	15.00000	5.00000	48.50000	-.13453	-.15618	-.18865	-.22113	-.26443	.42837	15.71150
47.700	10.058	15.00000	5.00000	48.00000	-.13538	-.17912	-.19006	-.22287	-.26662	.43336	15.71250
47.800	12.896	15.00000	5.00000	48.00000	-.12444	-.17912	-.20100	-.23381	-.26662	.43336	15.70700
	GRADIENT	.00000	.00000	.40095	.00071	-.00349	.00117	-.00294	.00182	.00008	.00064

ARC40X80-462(OA100) OV101 (LNA02U) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 20.000 BETA = 5.000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 69/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.550	.064	20.00000	5.00000	48.00000	-.27756	-.23381	-.23381	-.29943	-.33224	.58648	20.96309
47.680	2.559	20.00000	5.00000	48.00000	-.28850	-.27756	-.26662	-.29943	-.34318	.57554	20.96489
47.610	5.054	20.00000	5.00000	48.00000	-.26662	-.26662	-.25569	-.28850	-.34318	.58648	20.95999
47.460	7.534	20.00000	5.00000	48.50000	-.27525	-.25360	-.25360	-.28608	-.34020	.56910	20.96539
47.300	10.058	20.00000	5.00000	48.50000	-.28609	-.25360	-.25350	-.30773	-.32938	.55827	20.95909
47.320	12.896	20.00000	5.00000	48.50000	-.27525	-.26443	-.24278	-.30773	-.31855	.56910	20.94559
	GRADIENT	.00000	.00000	.00000	-.00439	-.01754	-.01316	.00000	-.00439	-.00439	.00072

ARC40X80-462(OA100) OV101 (LNA02V) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = .000 BETA = 10.000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 75/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.400	.000	.00000	10.00000	49.50000	-.05925	-.16472	-.20715	-.19654	-.26019	-.01622	-.04110
47.360	2.524	.00000	10.00000	47.50000	-.06994	-.18045	-.21361	-.20256	-.25782	-.03678	-.04090
47.470	5.005	.00000	10.00000	49.50000	-.05865	-.17533	-.19654	-.21776	-.23897	-.04804	-.03870
47.420	7.514	.00000	10.00000	47.50000	-.06994	-.16940	-.21361	-.21361	-.24676	-.01468	-.03860
47.490	10.009	.00000	10.00000	47.50000	-.08099	-.18045	-.21361	-.20256	-.25782	-.04783	-.03640
47.360	15.058	.00000	10.00000	49.50000	-.05865	-.16472	-.20715	-.20715	-.27080	-.05865	-.03750
	GRADIENT	.00000	.00000	-.79224	-.00027	-.00623	-.00256	-.00238	.00094	-.00815	.00008

ARC40X80-462(OA100) OV101 (LNA02W) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 5.000 BETA = 10.000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 76/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.750	.000	5.00000	10.00000	47.50000	-.10309	-.16940	-.20256	-.21361	-.24676	.09584	5.14960
47.750	2.509	5.00000	10.00000	47.50000	-.08099	-.16940	-.19150	-.23571	-.24676	.11794	5.15250
47.660	4.990	5.00000	10.00000	47.50000	-.10309	-.16940	-.20256	-.21361	-.24676	.09584	5.15210
47.580	7.514	5.00000	10.00000	49.50000	-.09047	-.16472	-.20715	-.20715	-.23897	.08986	5.15420
47.440	10.024	5.00000	10.00000	47.50000	-.09204	-.15835	-.19150	-.21361	-.24676	.11794	5.15550
47.440	15.058	5.00000	10.00000	49.50000	-.12229	-.16472	-.20715	-.19654	-.23897	.10047	5.15870
	GRADIENT	.00000	.00000	.00000	.00002	-.00000	.00001	-.00002	-.00000	.00002	.00050

ARC40X80-462(OA100) OV101 (LNA02X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 77/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.680	.000	10.00000	10.00000	47.50000	-.19150	-.20256	-.21361	-.23571	-.26887	.26162	10.35210
47.630	2.509	10.00000	10.00000	47.50000	-.18045	-.20256	-.21361	-.21361	-.27992	.25056	10.35130
47.600	5.019	10.00000	10.00000	47.50000	-.19150	-.21361	-.20256	-.23571	-.26887	.22846	10.34970
47.450	7.529	10.00000	10.00000	47.50000	-.16940	-.20256	-.21361	-.22466	-.25782	.22846	10.35210
47.390	10.024	10.00000	10.00000	47.50000	-.16940	-.21361	-.21361	-.22466	-.26887	.25056	10.35430
47.370	15.058	10.00000	10.00000	47.50000	-.19150	-.21361	-.20256	-.21361	-.26887	.25056	10.36380
	GRADIENT	.00000	.00000	.00000	.00440	.00000	.00000	.00881	-.00440	-.00440	-.00032

ARC40X80-462(OA100) OV101 (LNA02Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 78/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.490	.000	15.00000	10.00000	49.00000	-.28371	-.24085	-.24085	-.27300	-.28371	.36991	15.57450
47.420	2.481	15.00000	10.00000	49.50000	-.28140	-.22837	-.23897	-.26019	-.29201	.37626	15.57630
47.490	5.005	15.00000	10.00000	49.00000	-.28371	-.25157	-.23014	-.26228	-.28371	.38062	15.57790
47.420	7.514	15.00000	10.00000	47.50000	-.29097	-.25782	-.26887	-.26887	-.30202	.38318	15.57640
47.270	10.024	15.00000	10.00000	47.50000	-.27992	-.24676	-.23571	-.26887	-.30202	.40529	15.57920
47.500	15.088	15.00000	10.00000	47.50000	-.31307	-.23571	-.24676	-.27992	-.30202	.38318	15.58190
	GRADIENT	.00000	.00000	.20154	.00093	.00503	.00076	.00516	-.00334	.00256	.00073

ARC40X80-462(OA100) OV101 (LNA02Z) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 20.000 BETA = 10.000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 79/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.610	.000	20.00000	10.00000	47.50000	-.40149	-.33518	-.33518	-.35728	-.37938	.54896	20.82259
47.510	2.510	20.00000	10.00000	47.50000	-.43464	-.35728	-.33518	-.34623	-.36833	.51580	20.82199
47.470	5.020	20.00000	10.00000	47.50000	-.41254	-.34623	-.31307	-.33518	-.36833	.51580	20.82559
47.420	7.514	20.00000	10.00000	49.00000	-.38015	-.30514	-.29443	-.32657	-.38015	.51992	20.82520
47.380	10.009	20.00000	10.00000	47.50000	-.41254	-.33518	-.31307	-.35728	-.37938	.51580	20.82790
47.730	15.073	20.00000	10.00000	47.50000	-.45675	-.34623	-.34623	-.35728	-.39044	.52686	20.82548
	GRADIENT	.00000	.00000	.00000	-.01321	-.00881	.00000	.00440	.00440	-.01321	-.00024

ARC40X80-462(OA100) OV101 (LNA03A) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = .000 BETA = 10.000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 80/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.370	.035	.00000	10.00000	47.50000	-.05888	-.16940	-.20256	-.21361	-.23571	-.03678	.10890
47.290	2.559	.00000	10.00000	47.50000	-.05888	-.16940	-.21361	-.21361	-.24676	-.02573	.10520
47.470	5.053	.00000	10.00000	47.50000	-.05888	-.16940	-.21361	-.19150	-.23571	-.04783	.10540
47.510	7.533	.00000	10.00000	47.50000	-.05888	-.16940	-.19150	-.19150	-.24676	-.02573	.10220
47.370	10.058	.00000	10.00000	47.50000	-.05888	-.16940	-.21361	-.19150	-.25782	-.02573	.10200
47.570	12.896	.00000	10.00000	49.00000	-.05870	-.16585	-.18728	-.20871	-.24085	-.03727	.09530
	GRADIENT	.00000	.00000	-.00000	.00000	.00000	-.00438	.00000	-.00438	.00438	-.00147

ARC40X80-462(OA100) CV101 (LNA03B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 81/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.580	.010	5.00000	10.00000	47.50000	-.11414	-.16940	-.20256	-.19150	-.23571	.14005	5.30290
47.460	2.529	5.00000	10.00000	49.00000	-.08013	-.15513	-.19799	-.19799	-.24085	.10203	5.29670
47.450	5.054	5.00000	10.00000	47.50000	-.08099	-.14730	-.21361	-.21361	-.23571	.10689	5.29710
47.340	7.548	5.00000	10.00000	47.50000	-.09204	-.16940	-.20256	-.20256	-.24676	.09584	5.29960
47.720	10.043	5.00000	10.00000	47.50000	-.10309	-.16940	-.21361	-.20256	-.23571	.11794	5.30020
47.370	12.896	5.00000	10.00000	47.50000	-.09204	-.15835	-.20256	-.20256	-.21361	.10689	5.30320
	GRADIENT	.00000	.00000	.59555	.01351	.00567	.00181	-.00258	-.00204	-.01509	-.00246

ARC40X80-462(OA100) OV101 (LNA03C) (16 MAR 82)

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 =	.3500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 82/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.560	.054	10.00000	10.00000	49.00000	-.18728	-.18728	-.20871	-.20871	-.27300	.25204	10.50020
47.530	2.543	10.00000	10.00000	47.50000	-.18045	-.21361	-.19150	-.20256	-.29097	.23951	10.49990
47.500	5.053	10.00000	10.00000	49.00000	-.16585	-.18728	-.20871	-.20871	-.26228	.25204	10.50610
47.540	7.563	10.00000	10.00000	47.50000	-.16940	-.21361	-.21361	-.22466	-.26887	.26162	10.50840
47.370	10.043	10.00000	10.00000	47.50000	-.18045	-.21361	-.21361	-.21361	-.26887	.22846	10.50960
47.080	12.896	10.00000	10.00000	47.50000	-.16940	-.20256	-.21361	-.21361	-.26887	.25056	10.51190
	GRADIENT	.00000	.00000	-.60512	.00275	-.01062	.00694	.00248	-.00725	-.00506	-.00012

ARC40X80-462(0A100) OV101 (LNA03D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 83/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.350	.049	15.00000	10.00000	47.50000	-.26887	-.23571	-.23571	-.27992	-.30202	.38318	15.73260
47.310	2.543	15.00000	10.00000	47.50000	-.27992	-.23571	-.24676	-.26887	-.30202	.40529	15.73400
47.290	5.039	15.00000	10.00000	49.00000	-.28371	-.24095	-.24085	-.26228	-.29443	.39134	15.73690
47.380	7.549	15.00000	10.00000	47.50000	-.27992	-.23571	-.24676	-.26887	-.29097	.40529	15.73080
47.350	10.028	15.00000	10.00000	47.50000	-.27992	-.21361	-.23571	-.26887	-.30202	.39424	15.73340
47.360	12.896	15.00000	10.00000	47.50000	-.26887	-.24676	-.23571	-.27992	-.30202	.39424	15.73140
	GRADIENT	-.00000	.00000	-.00000	-.00443	.00000	-.00443	.00443	.00000	.00886	.00056

ARC40X80-462(0A100) OV101 (LNA03E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 84/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.920	.035	20.00000	10.00000	48.00000	-.46349	-.34318	-.35506	-.35412	-.39787	.50992	20.98369
47.790	2.559	20.00000	10.00000	48.00000	-.46349	-.34318	-.35412	-.36506	-.39787	.50992	20.98430
47.750	5.036	20.00000	10.00000	48.00000	-.49630	-.34318	-.35412	-.38693	-.40881	.48804	20.98329
47.640	7.548	20.00000	10.00000	48.00000	-.41974	-.33224	-.35412	-.37599	-.40881	.49898	20.98200
47.520	10.058	20.00000	10.00000	48.00000	-.48537	-.34318	-.35412	-.37599	-.40881	.53179	20.97629
47.560	12.896	20.00000	10.00000	48.00000	-.45255	-.31037	-.34318	-.36506	-.40881	.53179	20.97119
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00433	-.00433	.00000	.00000	.00024

ARC40X80-462(0A100) OV101(RCS PORTS CLOSED) (LNA03R) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 101/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.490	-5.240	-5.00000	.00000	47.50000	.10689	-4.46852	-.10309	-.12520	-.13625	-.12520
47.690	-2.649	-2.50000	.00000	47.50000	.12899	-.01468	-.06994	-.09204	-.14730	-.05898
47.600	-.056	.00000	.00000	47.50000	.14005	-.01468	-.05888	-.06994	-.13625	.00743
47.720	2.541	2.50000	.00000	47.50000	.16215	.02953	-.03678	-.05888	-.14730	.06268
47.640	5.139	5.00000	.00000	47.50000	.16215	.01848	-.02573	-.05888	-.12520	.17320
47.850	7.739	7.50000	.00000	48.50000	.15775	.02785	-.02628	-.06958	-.12370	.23352
47.600	10.342	10.00000	.00000	47.50000	.09584	.00743	-.03678	-.06994	-.13625	.30582
47.730	12.941	12.50000	.00000	47.50000	.08479	-.01468	-.05888	-.08099	-.14730	.37213
47.580	15.556	15.00000	.00000	47.50000	.02953	-.03678	-.06994	-.12520	-.16940	.44949
47.500	18.180	17.50000	.00000	47.50000	-.02573	-.06994	-.10309	-.14730	-.21361	.52686
47.570	20.826	20.00000	.00000	47.50000	-.10309	-.14730	-.13625	-.21361	-.23571	.59317
46.010	26.006	25.00000	.00000	50.50000	-.30827	-.25627	-.20428	-.27707	-.30827	.64840
	GRADIENT	.96343	.00000	-.00000	.00639	.00852	.00639	.00639	-.00000	.02342

ARC40X80-462(0A100) OV101(RCS PORTS CLOSED) (LNA03S) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 102/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.510	-13.000	.00000	-.03430	47.50000	.42739	.27267	.22846	.19530	.09584	-.08099
47.670	-10.000	.00000	-.03790	47.50000	.37213	.20636	.15110	.09584	.02953	-.02573
47.610	-5.000	.00000	-.04830	47.50000	.27267	.09584	.05163	.01848	-.04783	.00743
47.630	-2.000	.00000	-.05370	47.50000	.20636	.05163	-.01468	-.02573	-.10309	.01848
47.730	.000	.00000	-.05820	47.50000	.16215	-.01468	-.04783	-.06994	-.14730	.02953
47.580	2.000	.00000	-.05560	47.50000	.09584	-.02573	-.09204	-.10309	-.14730	.00743
47.730	5.000	.00000	-.05050	47.50000	.04058	-.09204	-.13625	-.12520	-.20256	.00743
47.630	10.000	.00000	-.04280	47.50000	-.06994	-.18045	-.22466	-.21361	-.24676	-.01468
47.590	15.000	.00000	-.03150	48.50000	-.16700	-.26443	-.26443	-.24278	-.28608	-.11288
47.660	20.000	.00000	-.02170	47.50000	-.27992	-.32413	-.30202	-.30202	-.33518	-.21361
	GRADIENT	.00000	-.00026	.00000	-.02382	-.01985	-.01886	-.01505	-.01486	-.00038

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (LNA03T) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 103/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.560	-13.000	5.00000	5.15850	47.50000	.49370	.31687	.23951	.19530	.11794	.07374
47.650	-10.000	5.00000	5.15620	47.50000	.41634	.25056	.18425	.11794	.05163	.09584
47.600	-5.000	5.00000	5.14610	47.50000	.28372	.11794	.07374	.04058	-.04783	.14005
47.660	-2.000	5.00000	5.13950	47.50000	.20636	.07374	.00743	-.02573	-.09204	.16215
47.650	.000	5.00000	5.14090	47.50000	.16215	.01848	-.02573	-.05888	-.13625	.19530
47.620	2.000	5.00000	5.13740	47.50000	.09584	-.03678	-.06994	-.09204	-.14730	.16215
47.710	5.000	5.00000	5.14340	48.50000	.02785	-.08040	-.12370	-.13453	-.19948	.16857
47.750	10.000	5.00000	5.14940	48.50000	-.08040	-.15518	-.18865	-.21030	-.23195	.09280
47.650	15.000	5.00000	5.15490	48.50000	-.23195	-.23195	-.27525	-.23195	-.28608	.02785
47.600	20.000	5.00000	5.14970	49.00000	-.31586	-.29443	-.29443	-.28371	-.31586	-.08013
	GRADIENT	.00000	-.00031	.08621	-.02587	-.02091	-.01969	-.01738	-.01498	.00246

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (LNA03U) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 104/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.610	-13.000	10.00000	10.35620	49.00000	.47706	.29490	.21990	.17704	.09132	.18775
47.590	-10.000	10.00000	10.35530	48.50000	.41755	.23352	.17940	.12527	.03867	.23352
47.560	-5.000	10.00000	10.34610	47.50000	.28372	.11794	.07374	.01848	-.05888	.29477
47.520	-2.000	10.00000	10.34310	47.50000	.18425	.06268	.00743	-.03678	-.12520	.36108
47.450	.000	10.00000	10.34350	47.50000	.11794	-.01468	-.01468	-.06994	-.13625	.31687
47.610	2.000	10.00000	10.34430	47.50000	.07374	-.03678	-.06994	-.11414	-.14730	.31687
47.660	5.000	10.00000	10.34630	48.50000	.00620	-.10205	-.14535	-.16700	-.21030	.29847
47.470	10.000	10.00000	10.35090	47.50000	-.18045	-.21361	-.21361	-.23571	-.27992	.25056
47.600	15.000	10.00000	10.35330	48.50000	-.30773	-.27525	-.27525	-.27525	-.28608	.16857
47.630	20.000	10.00000	10.34310	47.50000	-.43464	-.34623	-.32413	-.29097	-.33518	.05163
	GRADIENT	.00000	.00006	.08621	-.02774	-.02240	-.02155	-.01886	-.01382	-.00121

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (LNA03V) (16 MAR 82)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6200 IN. XO
LREF = 474.6100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .3600

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 105/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.610	-13.000	15.00000	15.57470	47.50000	.47160	.28372	.21741	.15110	.08479	.33898
47.680	-10.000	15.00000	15.58040	48.50000	.35260	.19022	.14692	.09280	.00620	.37425
47.610	-5.000	15.00000	15.55980	48.50000	.21187	.09280	.02785	.00620	-.09123	.40672
47.520	-2.000	15.00000	15.55560	47.50000	.09584	.00743	-.01468	-.06994	-.16940	.43844
47.510	.000	15.00000	15.55590	47.50000	.01848	-.03678	-.08099	-.12520	-.15835	.47160
47.690	2.000	15.00000	15.55470	48.50000	-.01545	-.09123	-.12370	-.15618	-.21030	.42837
47.650	5.000	15.00000	15.55750	49.00000	-.13370	-.13370	-.15513	-.17656	-.24085	.44492
47.640	10.000	15.00000	15.57710	47.50000	-.29097	-.25782	-.25782	-.25782	-.27992	.40529
47.540	15.000	15.00000	15.58260	47.50000	-.45675	-.34623	-.30202	-.32413	-.34623	.31687
47.330	20.000	15.00000	15.56830	47.50000	-.56726	-.40149	-.34623	-.35728	-.34623	.18425
	GRADIENT	.00000	-.00023	.07759	-.03363	-.02293	-.01953	-.01873	-.01431	.00295

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (LNA03W) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 106/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.510	-13.000	20.00000	20.83679	47.50000	.36108	.20636	.18425	.11794	.02953	.47160
47.660	-10.000	20.00000	20.83179	47.50000	.27267	.09584	.07374	.01848	-.05888	.49370
47.540	-5.000	20.00000	20.81670	47.50000	.09584	-.01468	-.02573	-.10309	-.15836	.57106
47.630	-2.000	20.00000	20.82199	47.50000	-.01468	-.08099	-.08099	-.13625	-.21361	.58211
47.540	.000	20.00000	20.82419	49.00000	-.10156	-.13370	-.13370	-.17656	-.23014	.56278
47.670	2.000	20.00000	20.81960	48.50000	-.15518	-.18865	-.18865	-.23195	-.26443	.57892
47.760	5.000	20.00000	20.80379	47.50000	-.26897	-.23571	-.20256	-.27992	-.31307	.59317
47.800	10.000	20.00000	20.82329	48.50000	-.41598	-.32938	-.31855	-.31855	-.37268	.51497
47.650	15.000	20.00000	20.82309	49.00000	-.59445	-.40158	-.38015	-.40158	-.40158	.41277
47.520	20.000	20.00000	20.80010	47.50000	-.72199	-.48990	-.46780	-.45675	-.43464	.31687
	GRADIENT	.00000	-.00120	.03448	-.03632	-.02277	-.01896	-.01854	-.01509	.00183

ARC40X80-462(0A100) OV101 (LNA03X) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000

RUN NO. 88/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.710	-.075	.00000	.00000	48.00000	.14999	.01774	-.06975	-.08069	-.13538	.00681
47.670	10.320	10.00000	.00000	48.00000	.12712	.00681	-.04788	-.08069	-.15725	.29117
47.790	15.535	15.00000	.00000	48.00000	.03962	-1.10879	-.08069	-.12444	-.17912	.44430
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (LNA03Y) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -15.000

RUN NO. 89/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.690	-.072	.00000	.00000	48.00000	.15993	.02868	-.06975	-.08069	-.13538	.02868
47.740	10.326	10.00000	.00000	48.00000	.14999	.00681	-.04788	-.09163	-.14631	.30211
47.760	15.535	15.00000	.00000	48.00000	.03962	-.05982	-.09163	-.13538	-.17912	.45523
47.760	20.801	20.00000	.00000	48.00000	-.06975	-.11350	-.14631	-.19006	-.25569	.57554
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA1C 0V101 (LNA03Z) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6200 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 90/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.790	-.073	.00000	.00000	48.00000	.14899	.01774	-.08069	-.08069	-.13538	.00681
47.600	5.118	5.00000	.00000	48.00000	.18180	.01774	-.03694	-.06975	-.13538	.14899
47.860	10.323	10.00000	.00000	48.00000	.12712	.01774	-.03694	-.08069	-.13538	.30211
47.710	15.537	15.00000	.00000	48.00000	.02968	-.00413	-.09163	-.13538	-.17912	.45523
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (LNA04A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 91/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.650	-.074	.00000	.00000	47.00000	.15324	.03039	-.07013	-.08130	-.13714	.03039
47.790	5.119	5.00000	.00000	48.00000	.15993	.02868	-.04788	-.06975	-.13538	.15993
47.710	10.321	10.00000	.00000	47.00000	.14208	.01922	-.07013	-.08130	-.13714	.33194
47.710	15.535	15.00000	.00000	47.00000	.01922	-.02545	-.10364	-.13714	-.19298	.46597
47.720	20.804	20.00000	.00000	48.00000	-.06975	-.10256	-.15725	-.20100	-.24475	.55367
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (LNA04B) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = 10.000

RUN NO. 92/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.670	-.074	.00000	.00000	48.00000	.14899	.01774	-.06975	-.06975	-.14631	.00681
47.690	5.119	5.00000	.00000	47.00000	.16441	.01922	-.04779	-.07013	-.13714	.17558
47.570	10.324	10.00000	.00000	48.00000	.11618	.00681	-.06975	-.09163	-.16819	.30211
47.720	15.537	15.00000	.00000	48.00000	.03962	-.02600	-.09163	-.13538	-.17912	.43336
47.780	20.801	20.00000	.00000	48.00000	-.09163	-.14631	-.15725	-.20100	-.24475	.57554
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (LNA04C) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = 15.000

RUN NO. 93/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.680	-.073	.00000	.00000	47.00000	.15324	.01922	-.07013	-.08130	-.15948	-.00312
47.710	5.118	5.00000	.00000	47.00000	.15324	.03039	-.04779	-.05896	-.13714	.15324
47.630	10.324	10.00000	.00000	48.00000	.12712	-.00413	-.04788	-.08069	-.13538	.30211
47.710	15.539	15.00000	.00000	48.00000	.02868	-.02600	-.09163	-.13538	-.17912	.46617
47.670	20.802	20.00000	.00000	48.00000	-.09163	-.11350	-.15725	-.20100	-.24475	.59742
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (LNA04D) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	48.000	RUDDER =	19.500

RUN NO. 94/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.870	-.072	.00000	.00000	48.00000	.14899	.00681	-.06975	-.08069	-.13538	.00681
47.720	5.119	5.00000	.00000	47.00000	.15324	.03039	-.04779	-.07013	-.13714	.17558
47.720	10.322	10.00000	.00000	47.00000	.11974	.01922	-.07013	-.09247	-.14831	.30961
47.720	15.534	15.00000	.00000	48.00000	.02868	-.03694	-.10256	-.13538	-.19006	.46617
47.660	20.804	20.00000	.00000	47.00000	-.08130	-.12597	-.17065	-.20415	-.24883	.59999
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (LNA04E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 95/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.660	-.070	.00000	5.00000	47.50000	.06268	-.09204	-.12520	-.14730	-.21361	.01848
47.740	5.125	5.00000	5.00000	48.50000	.04950	-.06958	-.13453	-.13453	-.19948	.15775
47.800	10.327	10.00000	5.00000	48.50000	-4.38976	-.10205	-.10205	-.15618	-.21030	.30930
47.730	15.538	15.00000	5.00000	48.50000	-.11288	-.12370	-.15618	-.19948	-.24278	.46085
47.720	20.789	20.00000	5.00000	47.50000	-.26887	-.23571	-.19150	-.27992	-.31307	.59317
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (LNA04F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 96/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.710	-.070	.00000	5.00000	48.50000	.04950	-.09123	-.15618	-.14535	-.21030	.01702
47.690	5.123	5.00000	5.00000	47.50000	.04058	-.08099	-.12520	-.14730	-.20256	.17320
47.710	10.328	10.00000	5.00000	47.50000	-.01468	-.09204	-.10309	-.15835	-.21361	.32793
47.530	20.790	20.00000	5.00000	49.00000	-.19799	-.20871	-.19799	-.27300	-.31586	.57350
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (LNA04G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	10.000

RUN NO. 97/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.610	-.071	.00000	5.00000	47.50000	.05163	-.10309	-.13625	-.15835	-.18045	-.00363
47.710	5.122	5.00000	5.00000	48.50000	.04950	-.08040	-.12370	-.14535	-.18865	.16857
47.700	10.324	10.00000	5.00000	47.50000	-.01468	-.10309	-.11414	-.12520	-.21361	.30582
47.650	15.535	15.00000	5.00000	47.50000	-.08099	-.14730	-.16940	-.21361	-.21361	.43844
47.590	20.784	20.00000	5.00000	47.50000	-.24676	-.23571	-.22466	-.29097	-.31307	.57106
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (LNA04H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	15.000

RUN NO. 98/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.610	-.072	.00000	5.00000	47.50000	.04058	-.09204	-.12520	-.14730	-.21361	.01848
47.660	5.123	5.00000	5.00000	47.50000	.05163	-.08099	-.11414	-.13625	-.19150	.17320
47.620	10.325	10.00000	5.00000	49.50000	-.01622	-.11168	-.11168	-.13290	-.19654	.29140
47.620	15.537	15.00000	5.00000	49.50000	-.11168	-.15411	-.14351	-.21776	-.22837	.43991
47.590	20.783	20.00000	5.00000	47.50000	-.26887	-.25782	-.20256	-.27992	-.31307	.57106
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (LNA04I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	48.000	RUDDER =	19.500

RUN NO. 99/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.690	-.073	.00000	5.00000	47.50000	.04058	-.09204	-.13625	-.13625	-.21361	.01848
47.690	5.122	5.00000	5.00000	48.50000	.03867	-.09123	-.11288	-.12370	-.18865	.16857
47.750	10.321	10.00000	5.00000	47.50000	-.02573	-.10309	-.11414	-.14730	-.23571	.30582
47.610	15.534	15.00000	5.00000	47.50000	-.11414	-.15835	-.14739	-.21361	-.23571	.44949
47.600	20.780	20.00000	5.00000	47.50000	-.26887	-.21361	-.20256	-.26887	-.31307	.58211
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (LNA04J) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = -22.500

RUN NO. 86/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.740	-.064	.00000	.00000	48.00000	.15993	.00681	-.06975	-.06975	-.15725	.01774
47.680	5.131	5.00000	.00000	48.00000	.17086	.05056	-.03694	-.06975	-.11350	.14899
47.780	10.334	10.00000	.00000	48.00000	.12712	.00681	-.03694	-.08069	-.13538	.30211
47.680	15.544	15.00000	.00000	47.00000	.04156	-.01429	-.09247	-.12597	-.18182	.45480
47.710	20.747	20.00000	.00000	48.00000	-.08069	-.13538	-.15725	-.17912	-.20100	.57554
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (LNA04K) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = -15.000

RUN NO. 87/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.720	-.058	.00000	.00000	48.00000	.17086	.00681	-.05882	-.09163	-.14631	.00681
47.690	5.133	5.00000	.00000	48.00000	.17086	.02868	-.04788	-.06975	-.13538	.14899
47.830	10.338	10.00000	.00000	48.00000	.13805	.00681	-.04788	-.08069	-.12444	.30211
47.580	15.548	15.00000	.00000	48.00000	.03962	-.04788	-.09163	-.11350	-.16819	.43336
47.630	20.754	20.00000	.00000	48.00000	-.08069	-.12444	-.13538	-.17912	-.22287	.59742
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (LNA04L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	20.000	RUDDER =	3.000

RUN NO. 108/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.700	-.058	.00000	.00000	47.50000	.12899	.00743	-.03678	-.05888	-.15835	-.01468
47.560	5.139	5.00000	.00000	47.50000	.12899	.00743	-.02573	-.04783	-.15835	.14005
47.530	10.342	10.00000	.00000	47.50000	.06268	-.01468	-.03678	-.05888	-.16940	.28372
47.540	15.549	15.00000	.00000	47.50000	.00743	-.05868	-.08099	-.11414	-.16940	.42739
47.590	20.797	20.00000	.00000	47.50000	-.11414	-.13625	-.12520	-.16940	-.25782	.54896
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (LNA04M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	20.000	RUDDER =	3.000

RUN NO. 109/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.500	-.051	.00000	5.00000	47.50000	-.01468	-.11414	-.12520	-.13625	-.22466	-.03678
47.670	5.143	5.00000	5.00000	47.50000	-.01468	-.10309	-.12520	-.13625	-.20256	.08479
47.630	10.340	10.00000	5.00000	47.50000	-.08099	-.11414	-.12520	-.13625	-.23571	.21741
47.390	15.550	15.00000	5.00000	47.50000	-.18045	-.14730	-.14730	-.16940	-.25782	.37213
47.870	20.795	20.00000	5.00000	47.50000	-.26887	-.26887	-.20256	-.27992	-.34623	.51580
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (LNA04N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	36.500	RUDDER =	-5.500

RUN NO. 110/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.530	-.041	.00000	10.00000	47.50000	-.13625	-.19150	-.21361	-.21361	-.26887	-.10309
47.710	5.146	5.00000	10.00000	47.50000	-.15835	-.16940	-.19150	-.19150	-.26887	.04058
47.580	10.344	10.00000	10.00000	47.00000	-.21532	-.20415	-.21532	-.23766	-.27116	.19675
47.720	15.577	15.00000	10.00000	47.50000	-.31307	-.25782	-.24676	-.26887	-.32413	.35003
47.750	20.818	20.00000	10.00000	47.50000	-.40149	-.35728	-.29097	-.32413	-.37938	.46054
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (LNA040) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 111/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.460	-.059	.00000	.00000	46.50000	.13286	-.01389	-.05904	-.07033	-.14935	.03126
47.410	5.135	5.00000	.00000	46.50000	.15543	.00869	-.03647	-.05904	-.12677	.15543
47.690	10.339	10.00000	.00000	47.50000	.10689	.00743	-.03678	-.05888	-.12520	.31687
47.610	15.549	15.00000	.00000	47.50000	.04058	-.03678	-.09204	-.11414	-.15835	.43844
47.740	20.797	20.00000	.00000	49.50000	-.09047	-.13290	-.13290	-.19654	-.21776	.56720
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR(FTP OFF) (LNA04P) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 112/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.670	-.054	.00000	5.00000	49.50000	.03682	-.11168	-.13290	-.14351	-.19654	-.02682
47.530	5.142	5.00000	5.00000	49.50000	.01561	-.07986	-.11168	-.12229	-.18594	.10047
47.610	10.342	10.00000	5.00000	46.50000	-.04775	-.12677	-.13806	-.14935	-.18321	.24574
47.670	15.546	15.00000	5.00000	47.50000	-.11414	-.15835	-.16940	-.18045	-.22466	.39424
47.620	20.797	20.00000	5.00000	47.00000	-.23768	-.20415	-.22649	-.27116	-.30467	.48830
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR(FTP OFF) (LNA04Q) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 113/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.710	-.041	.00000	10.00000	49.50000	-.10108	-.19654	-.20715	-.19654	-.24958	-.05865
47.530	5.145	5.00000	10.00000	49.50000	-.11168	-.16472	-.18594	-.18594	-.21776	.07925
47.670	10.345	10.00000	10.00000	49.50000	-.19654	-.19654	-.20715	-.19654	-.24958	.19593
47.560	15.574	15.00000	10.00000	49.50000	-.26019	-.20715	-.22837	-.26019	-.27080	.33383
47.500	20.818	20.00000	10.00000	46.50000	-.40698	-.32996	-.31867	-.34125	-.35253	.48279
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA04R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 115/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.390	-.065	.00000	.00000	47.00000	.16441	.01922	-.04779	-.05896	-.11480	.03039
47.850	5.135	5.00000	.00000	48.00000	.17086	.03952	-.02600	-.05882	-.12444	.18180
47.660	10.337	10.00000	.00000	50.00000	.10943	.01491	-.03760	-.05860	-.12161	.30897
47.250	15.545	15.00000	.00000	47.00000	.06389	-.00312	-.05896	-.11480	-.17065	.45480
47.360	20.815	20.00000	.00000	47.00000	-.08130	-.11480	-.11480	-.14831	-.20415	.57765
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA04S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 114/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.190	-.061	.00000	.00000	47.00000	.17558	.01922	-.04779	-.04779	-.12597	.04156
47.530	5.135	5.00000	.00000	50.00000	.16194	.03592	-.01659	-.04810	-.11111	.18295
47.510	10.334	10.00000	.00000	47.00000	.10857	.01922	-.02545	-.05896	-.12597	.29844
47.530	15.546	15.00000	.00000	47.00000	.04156	-.03662	-.05896	-.11480	-.15948	.49947
47.480	20.816	20.00000	.00000	47.50000	-.05888	-.11414	-.12520	-.18045	-.23571	.59317
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA04T) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 10.000

RUN NO. 116/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.580	-.052	.00000	.00000	50.00000	.16194	-.00609	-.04810	-.05860	-.12161	.02541
47.680	5.131	5.00000	.00000	48.00000	.18180	.03962	-.02600	-.04788	-.11350	.15993
47.500	10.332	10.00000	.00000	50.00000	.10943	-.00609	-.02710	-.05960	-.12161	.29847
47.710	15.543	15.00000	.00000	50.00000	.04642	-.02710	-.06910	-.11111	-.15312	.43499
47.370	20.815	20.00000	.00000	47.00000	-.04779	-.09247	-.11480	-.17065	-.22649	.62233
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA04U) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 15.000

RUN NO. 117/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.680	-.065	.00000	.00000	48.00000	.15993	.01774	-.05882	-.05882	-.12444	.03962
48.020	5.131	5.00000	.00000	48.00000	.17086	.03962	-.02600	-.04788	-.11350	.15993
47.660	10.329	10.00000	.00000	50.00000	.11993	.01491	-.01659	-.05860	-.12161	.30897
47.470	15.544	15.00000	.00000	50.00000	.03592	-.03760	-.05860	-.11111	-.15312	.41399
47.650	20.806	20.00000	.00000	50.00000	-.07961	-.13212	-.11111	-.17412	-.19513	.58202
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA04V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 118/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.560	-.067	.00000	.00000	47.00000	.17558	.01922	-.04779	-.05896	-.13714	.04156
47.610	5.125	5.00000	.00000	50.00000	.17244	.02541	-.00609	-.05830	-.11111	.17244
47.540	10.330	10.00000	.00000	50.00000	.10943	.01491	-.01659	-.06910	-.12161	.29847
47.740	15.540	15.00000	.00000	48.00000	.06149	-.02600	-.05882	-.11350	-.15725	.45523
47.530	20.805	20.00000	.00000	50.00000	-.07961	-.13212	-.12161	-.16362	-.21613	.56102
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA04W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 119/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.790	-.054	.00000	5.00000	47.50000	.05163	-.08099	-.12520	-.12520	-.20256	-.01468
47.230	5.137	5.00000	5.00000	46.50000	.03126	-.09904	-.11548	-.12677	-.20579	.14414
47.200	10.342	10.00000	5.00000	46.50000	-.00260	-.09291	-.11548	-.12677	-.20579	.29089
47.330	15.548	15.00000	5.00000	46.50000	-.11548	-.13806	-.14935	-.18321	-.22837	.43764
47.770	20.799	20.00000	5.00000	47.50000	-.23571	-.20256	-.21361	-.26887	-.30202	.58211
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA04X) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 5.000

RUN NO. 120/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.850	-.057	.00000	5.00000	47.50000	.06268	-.08099	-.14730	-.12520	-.18045	-.01468
47.610	5.138	5.00000	5.00000	47.50000	.05163	-.05888	-.12520	-.12520	-.18045	.11794
47.510	10.337	10.00000	5.00000	49.50000	-.00561	-.07986	-.11168	-.13290	-.19654	.29079
47.350	15.547	15.00000	5.00000	46.50000	-.11548	-.12677	-.14935	-.18321	-.22837	.44892
47.530	20.801	20.00000	5.00000	48.50000	-.25360	-.22113	-.22113	-.25360	-.28608	.55827
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA04Y) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 10.000

RUN NO. 121/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.500	-.059	.00000	5.00000	49.50000	.04743	-.07986	-.13290	-.12229	-.17533	.00500
47.460	5.138	5.00000	5.00000	46.50000	.05384	-.07033	-.12677	-.12677	-.18321	.13286
47.440	10.331	10.00000	5.00000	46.50000	-.00260	-.08162	-.12677	-.14935	-.21708	.29089
47.390	15.542	15.00000	5.00000	46.50000	-.10419	-.13306	-.14935	-.18321	-.22837	.41506
47.640	20.796	20.00000	5.00000	47.50000	-.22466	-.20256	-.22466	-.24676	-.30202	.59317
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA04Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25 000	RUDDER =	15.000

RUN NO. 122/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.240	-.059	.00000	5.00000	46.50000	.05384	-.08162	-.12677	-.13806	-.20579	.01997
47.510	5.131	5.00000	5.00000	49.50000	.04743	-.06925	-.12229	-.11168	-.17533	.13229
47.360	10.331	10.00000	5.00000	46.50000	-.00260	-.08162	-.10419	-.14935	-.19450	.29089
47.540	15.545	15.00000	5.00000	49.50000	-.12229	-.12229	-.14351	-.18594	-.21776	.40808
47.560	20.799	20.00000	5.00000	47.50000	-.29097	-.22466	-.22466	-.26887	-.30202	.56001
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA05A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 123/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.490	-.069	.00000	5.00000	47.00000	.05273	-.10364	-.13714	-.15948	-.22649	-.02545
47.630	5.129	5.00000	5.00000	48.00000	.05056	-.08069	-.12444	-.13538	-.20100	.13805
47.560	10.328	10.00000	5.00000	48.00000	.00681	-.10256	-.12444	-.13538	-.20100	.30211
47.570	15.536	15.00000	5.00000	48.00000	-.09163	-.14631	-.15725	-.21194	-.24475	.45523
47.670	20.792	20.00000	5.00000	47.00000	-.23766	-.24893	-.23766	-.27116	-.31584	.59999
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA05B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 124/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.470	-.042	.00000	10.00000	48.00000	-.05882	-.17912	-.21194	-.19006	-.25569	-.04788
47.540	5.146	5.00000	10.00000	47.00000	-.08130	-.17065	-.21532	-.19298	-.24883	.08623
47.480	10.343	10.00000	10.00000	47.00000	-.14831	-.21532	-.21532	-.21532	-.28233	.23143
47.480	15.573	15.00000	10.00000	48.00000	-.26662	-.24475	-.23381	-.27756	-.28850	.37867
47.560	20.820	20.00000	10.00000	48.00000	-.40681	-.34318	-.32131	-.34318	-.38693	.50992
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA05C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 125/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.480	-.044	.00000	10.00000	48.00000	-.05882	-.17912	-.21194	-.21194	-.26662	-.04788
47.500	5.145	5.00000	10.00000	48.00000	-.08069	-.16919	-.20100	-.20100	-.24475	.08337
47.380	10.345	10.00000	10.00000	47.00000	-.15948	-.20415	-.21532	-.21532	-.28233	.25376
47.500	15.568	15.00000	10.00000	47.00000	-.29350	-.26000	-.23766	-.26000	-.30467	.37662
47.380	20.824	20.00000	10.00000	47.00000	-.43869	-.34935	-.32701	-.33818	-.38285	.55532
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA05D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 126/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.500	-.047	.00000	10.00000	47.00000	-.05896	-.19298	-.21532	-.21532	-.24883	-.05896
47.460	5.143	5.00000	10.00000	48.00000	-.08069	-.16819	-.20100	-.21194	-.24475	.08337
47.430	10.341	10.00000	10.00000	47.00000	-.18182	-.21532	-.21532	-.22649	-.28233	.23143
47.520	15.569	15.00000	10.00000	47.00000	-.27116	-.24883	-.26000	-.27116	-.30467	.39895
47.540	20.821	20.00000	10.00000	47.00000	-.43869	-.33818	-.32701	-.34935	-.38285	.53298
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA05E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 127/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.540	-.046	.00000	10.00000	47.00000	-.05895	-.18182	-.21532	-.19298	-.24883	-.02545
47.480	5.142	5.00000	10.00000	47.50000	-.09204	-.16940	-.19150	-.21361	-.24676	.07374
47.470	10.340	10.00000	10.00000	47.00000	-.15948	-.21532	-.19298	-.21532	-.29350	.25376
47.540	15.567	15.00000	10.00000	48.00000	-.26662	-.24475	-.24475	-.26662	-.32131	.37867
47.630	20.816	20.00000	10.00000	48.00000	-.40881	-.35412	-.32131	-.35412	-.38693	.47711
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA05F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 128/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.670	-.050	.00000	10.00000	47.00000	-.05836	-.17065	-.21532	-.19298	-.26000	-.04779
47.620	5.140	5.00000	10.00000	47.00000	-.09247	-.17065	-.20415	-.19298	-.24883	.08623
47.640	10.336	10.00000	10.00000	47.50000	-.14730	-.21361	-.21361	-.21361	-.26887	.21741
47.690	15.561	15.00000	10.00000	47.00000	-.30467	-.24883	-.23766	-.28233	-.32701	.36545
47.600	20.816	20.00000	10.00000	47.00000	-.41636	-.34935	-.32701	-.33818	-.39402	.54415
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 129/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.710	-.096	.00000	.00000	47.50000	.10689	.02953	-.04783	-.06994	-.12520	.88051
47.550	5.092	5.00000	.00000	47.50000	.11794	.02953	.00743	-.05888	-.12520	.89156
47.900	10.298	10.00000	.00000	48.00000	.12712	.01774	-.01507	-.08069	-.12444	.91459
47.460	15.507	15.00000	.00000	47.50000	.08479	-.04783	-.04783	-.12520	-.18045	.93577
47.690	20.773	20.00000	.00000	47.50000	-.02573	-.12520	-.12520	-.20256	-.23571	.93577
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05H) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 130/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.410	-.095	.00000	.00000	47.50000	.05163	-.01468	-.05888	-.06994	-.13625	1.06839
47.580	5.091	5.00000	.00000	47.50000	.15110	.02953	-.01468	-.05888	-.12520	.97998
47.720	10.298	10.00000	.00000	48.00000	.12712	.00681	-.00413	-.08069	-.13538	.99115
47.330	15.509	15.00000	.00000	47.50000	.09584	-.03578	-.05888	-.12520	-.15835	1.00208
47.700	20.773	20.00000	.00000	47.50000	-.02573	-.10309	-.11414	-.20256	-.23571	1.02418
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 131/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.640	-.095	.00000	.00000	48.50000	.09280	-.01545	-.05875	-.06958	-.13453	1.02375
47.560	5.091	5.00000	.00000	47.50000	.15110	.01848	-.03678	-.05888	-.12520	1.05734
47.370	10.296	10.00000	.00000	47.50000	.12899	.00743	-.03578	-.08099	-.12520	1.06839
47.640	15.503	15.00000	.00000	48.50000	.08197	-.01545	-.05875	-.12370	-.15618	1.06705
47.580	20.768	20.00000	.00000	47.50000	-.01468	-.12520	-.11414	-.19150	-.21361	1.11260
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05J) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 132/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.510	-.098	.00000	.00000	47.50000	.08479	.00743	-.04783	-.06994	-.13625	1.14575
47.620	5.091	5.00000	.00000	47.50000	.15110	.02853	-.02573	-.05888	-.12520	1.10154
47.760	10.298	10.00000	.00000	47.50000	.12899	.00743	-.00363	-.06994	-.12520	1.07944
47.780	15.506	15.00000	.00000	48.50000	.07115	-.01545	-.05875	-.12370	-.16700	1.16447
47.810	20.777	20.00000	.00000	48.50000	-.06958	-.12370	-.12370	-.21030	-.21030	1.17530
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 133/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.730	-.095	.00000	5.00000	48.00000	-.01507	-.10256	-.14631	-.14631	-.21194	1.23177
47.660	5.099	5.00000	5.00000	47.50000	.02953	-.08099	-.11414	-.13625	-.19150	1.25627
47.700	10.298	10.00000	5.00000	47.50000	-.01468	-.10309	-.11414	-.12520	-.23571	3.09085
47.620	15.505	15.00000	5.00000	47.50000	-.08099	-.13625	-.14730	-.20256	-.23571	1.27837
47.490	20.756	20.00000	5.00000	47.50000	-.19150	-.21361	-.22466	-.27992	-.30202	1.27837
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 134/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.590	-.091	.00000	5.00000	48.50000	-.01545	-.08040	-.12370	-.13453	-.21030	1.28355
47.640	5.094	5.00000	5.00000	47.50000	.01848	-.06994	-.11414	-.14730	-.19150	1.31153
47.660	10.298	10.00000	5.00000	47.50000	-.00363	-.10309	-.12520	-.12520	-.19150	1.32258
47.490	15.508	15.00000	5.00000	47.50000	-.06994	-.14730	-.14730	-.19150	-.21361	1.33363
47.850	20.751	20.00000	5.00000	48.50000	-.21030	-.22113	-.19948	-.27525	-.29690	1.32685
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 135/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.760	-.097	.00000	5.00000	48.00000	-.01507	-.09163	-.11350	-.15725	-.20100	1.36302
47.690	5.094	5.00000	5.00000	47.50000	.00743	-.06994	-.12520	-.13625	-.21361	1.38889
47.450	10.299	10.00000	5.00000	47.50000	-.01468	-.10309	-.13625	-.13625	-.19150	1.38889
47.500	15.507	15.00000	5.00000	47.50000	-.06994	-.14730	-.14730	-.20256	-.23571	1.38889
47.670	20.759	20.00000	5.00000	47.50000	-.21361	-.23571	-.22466	-.27992	-.31307	1.30048
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 136/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.760	-.094	.00000	5.00000	47.50000	-.02573	-.09204	-.13625	-.12520	-.22466	1.42204
47.380	5.095	5.00000	5.00000	47.50000	.01848	-.08099	-.12520	-.12520	-.19150	1.42204
47.450	10.299	10.00000	5.00000	47.50000	-.01468	-.10309	-.12520	-.14730	-.21361	1.43310
47.670	15.508	15.00000	5.00000	47.50000	-.10309	-.13625	-.15835	-.21361	-.23571	1.44415
47.530	20.755	20.00000	5.00000	47.50000	-.19150	-.23571	-.20256	-.27992	-.29097	1.44415
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA050) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 137/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.810	-.077	.00000	10.00000	48.50000	-.11288	-.17783	-.21030	-.22113	-.25360	.82890
47.530	5.108	5.00000	10.00000	48.00000	-.10256	-.16819	-.20100	-.20100	-.23381	.78335
47.750	10.306	10.00000	10.00000	48.00000	-.13538	-.20100	-.20100	-.20100	-.26662	.83803
47.630	15.529	15.00000	10.00000	48.00000	-.23381	-.23381	-.22287	-.25569	-.26662	.82710
47.330	20.781	20.00000	10.00000	48.00000	-.36506	-.33224	-.32131	-.33224	-.37599	.81616
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05P) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 138/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.520	-.078	.00000	10.00000	48.50000	-.11288	-.17783	-.21030	-.19948	-.25360	.76395
47.860	5.110	5.00000	10.00000	48.50000	-.11288	-.15618	-.17783	-.17783	-.24278	.77477
47.790	10.307	10.00000	10.00000	48.50000	-.13453	-.19948	-.19948	-.22113	-.26443	.75312
47.490	15.529	15.00000	10.00000	48.00000	-.21194	-.22297	-.22287	-.25569	-.26662	.72866
47.890	20.777	20.00000	10.00000	49.00000	-.35872	-.33729	-.31586	-.33729	-.35872	.71279
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05Q) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 139/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.450	-.080	.00000	10.00000	49.00000	-.11227	-.17656	-.20871	-.19799	-.24085	.63779
47.430	5.109	5.00000	10.00000	49.50000	-.11168	-.15411	-.17533	-.19654	-.21776	.60963
47.410	10.307	10.00000	10.00000	48.00000	-.12444	-.19006	-.20100	-.21194	-.25569	.60835
47.370	15.529	15.00000	10.00000	48.00000	-.25569	-.24475	-.24475	-.26662	-.28850	.57554
47.210	20.780	20.00000	10.00000	48.00000	-.37599	-.33224	-.31037	-.33224	-.36506	.52086
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05R) (15 APR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6900 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 140/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.560	-.078	.00000	10.00000	48.00000	-.12444	-.16819	-.20100	-.20100	-.23381	.43336
47.130	5.110	5.00000	10.00000	48.00000	-.11350	-.15725	-.21194	-.17912	-.22287	.37867
47.600	10.309	10.00000	10.00000	48.00000	-.13538	-.20100	-.22287	-.19606	-.25569	.36773
47.540	15.526	15.00000	10.00000	48.00000	-.22287	-.22287	-.22287	-.26662	-.27756	.34586
47.910	20.778	20.00000	10.00000	49.00000	-.40158	-.34801	-.31586	-.33729	-.36944	.31633
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05S) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000

RUN NO. 141/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	RUDDER	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91	ALPHA
47.240	-22.907	10.00000	.00000	48.00000	.13805	.01774	-.02600	-.06975	-.12444	.21461	10.32800
47.740	-15.162	10.00000	.00000	48.00000	.13805	.02868	-.02600	-.06975	-.11350	.22555	10.33170
47.530	-10.072	10.00000	.00000	48.00000	.12712	.00681	-.03694	-.08069	-.12444	.10524	10.33640
47.600	-5.054	10.00000	.00000	48.00000	.11618	-.00413	-.03694	-.04788	-.13538	.18180	10.33540
47.530	.043	10.00000	.00000	49.00000	.12346	.01631	-.00512	-.05870	-.12299	.16632	10.33540
47.640	5.082	10.00000	.00000	48.00000	.13805	.01774	-.02600	-.04788	-.12444	.15993	10.33550
47.570	10.140	10.00000	.00000	48.50000	.13610	.01702	-.01545	-.06958	-.12370	.13610	10.33360
47.570	14.990	10.00000	.00000	48.00000	.12712	-.00413	-.01507	-.05882	-.11350	.11618	10.33310
47.430	22.915	10.00000	.00000	48.00000	.12712	.01774	-.01507	-.08069	-.12444	.11618	10.32910
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 142/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.510	5.150	5.00000	5.00000	.00000						
47.650	10.351	10.00000	5.00000	2.00000	.99477	-.05038	.21091	-.83424	.21091	-1.35681
47.420	15.562	15.00000	5.00000	.00000						
47.540	20.810	20.00000	5.00000	2.00000	-3.44711	-2.92454	-2.14068	-3.70840	-2.40196	-1.87939
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 143/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.620	-.035	.00000	10.00000	2.00000	-1.87939	-1.61810	-1.61810	-2.14068	-.57295	-3.70840
47.660	5.154	5.00000	10.00000	.00000						
47.870	10.354	10.00000	10.00000	.00000						
47.280	15.576	15.00000	10.00000	-1.00000	7.78534	6.74052	4.65087	7.26293	4.12846	8.83016
47.740	20.824	20.00000	10.00000	.00000						
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA05V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 144/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.650	-.044	.00000	10.00000	.00000	**********	**********	**********	**********	**********	**********
47.530	5.147	5.00000	10.00000	.00000	**********	**********	**********	**********	**********	**********
47.640	10.349	10.00000	10.00000	.00000	**********	**********	**********	**********	**********	**********
47.920	15.574	15.00000	10.00000	.00000	**********	**********	**********	**********	**********	**********
47.210	20.816	20.00000	10.00000	2.00000	-8.15029	-5.53742	-4.49226	-5.27613	-3.44711	-5.79870
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (LNA05W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 145/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.450	-.089	.00000	.00000	47.00000	.08623	.00805	-.05996	-.07013	-.12597	.68934
47.710	5.097	5.00000	.00000	47.00000	.10857	.03039	-.00312	-.05896	-.12597	.65583
47.790	10.302	10.00000	.00000	47.00000	.10857	-.00312	-.03662	-.08130	-.13714	.61116
47.640	15.510	15.00000	.00000	50.00000	.02541	-.05860	-.07961	-.11111	-.16362	.55051
47.680	20.754	20.00000	.00000	50.00000	-.03760	-.14262	-.12161	-.19513	-.21613	.54001
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (LNA05X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 146/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.630	-.087	.00000	5.00000	47.50000	-.02573	-.11414	-.12520	-.13625	-.20256	.49370
47.570	5.102	5.00000	5.00000	50.00000	-.00609	-.07961	-.11111	-.13212	-.18462	.43499
47.600	10.304	10.00000	5.00000	50.00000	-.00609	-.11111	-.12161	-.14262	-.19513	.42449
47.600	15.506	15.00000	5.00000	47.00000	-.09247	-.14831	-.15948	-.18182	-.22649	.45480
47.810	20.751	20.00000	5.00000	50.00000	-.17412	-.21613	-.20563	-.25814	-.26864	.42449
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (LNA05Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 147/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.690	-.073	.00000	10.00000	48.00000	-.12444	-.20100	-.22287	-.22287	-.26662	.40055
47.470	5.110	5.00000	10.00000	50.00000	-.12161	-.15312	-.19513	-.20563	-.21613	.36148
47.620	10.303	10.00000	10.00000	48.00000	-.15725	-.17912	-.20100	-.22287	-.25569	.38961
47.590	15.537	15.00000	10.00000	47.00000	-.20415	-.26000	-.22649	-.26000	-.28233	.39895
47.460	20.779	20.00000	10.00000	50.00000	-.34215	-.30015	-.28965	-.31065	-.32115	.37198
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP,ADS OFF) (LNA05Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 148/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.710	-.050	.00000	.00000	50.00000	.08843	-.00609	-.05860	-.06910	-.13212	.66604
47.510	5.148	5.00000	.00000	50.00000	.10943	.01491	-.03760	-.06910	-.11111	.62403
47.730	10.347	10.00000	.00000	48.00000	.10524	-.00413	-.04788	-.08069	-.14631	.63023
47.530	15.559	15.00000	.00000	47.50000	.05163	-.04783	-.09204	-.12520	-.15835	.59317
47.600	20.802	20.00000	.00000	47.50000	-.04783	-.12520	-.13625	-.19150	-.22466	.57106
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP,ADS OFF) (LNA06A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 149/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.470	-.047	.00000	5.00000	48.00000	-.03694	-.11350	-.14631	-.16819	-.23381	.82710
47.600	5.147	5.00000	5.00000	48.00000	-.03694	-.11350	-.13538	-.16819	-.20100	.84897
47.470	10.342	10.00000	5.00000	48.00000	-.03694	-.10256	-.14631	-.16819	-.22287	.72866
47.480	15.552	15.00000	5.00000	48.00000	-.09163	-.16819	-.15725	-.20100	-.23381	.71772
47.520	20.802	20.00000	5.00000	48.50000	-.18865	-.24278	-.23195	-.30773	-.30773	.70982
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP,ADS OFF) (LNA06B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 150/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.500	-.037	.00000	10.00000	48.50000	-.15618	-.19948	-.23195	-.24278	-.25360	.65570
47.210	5.149	5.00000	10.00000	47.50000	-.15835	-.19150	-.20256	-.21361	-.24676	.61527
47.360	10.344	10.00000	10.00000	48.00000	-.16819	-.20100	-.23381	-.24475	-.26662	.59742
47.620	15.575	15.00000	10.00000	48.50000	-.23195	-.29690	-.23195	-.28608	-.30773	.62322
47.570	20.823	20.00000	10.00000	48.50000	-.35185	-.31855	-.31855	-.36185	-.36185	.63405
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (LNA06C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 151/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.680	-.056	.00000	.00000	48.00000	.09430	-.00413	-.04788	-.08069	-.13538	.90366
47.610	5.140	5.00000	.00000	48.50000	.13610	.01702	-.02628	-.06958	-.14535	.82890
47.670	10.340	10.00000	.00000	48.50000	.13610	-.00463	-.04793	-.09123	-.14535	.80725
47.610	15.551	15.00000	.00000	48.00000	.07243	-.03694	-.06975	-.13538	-.17912	.80522
47.690	20.824	20.00000	.00000	48.00000	-.02600	-.12444	-.14631	-.19006	-.23381	.81616
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (LNA06D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 152/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.560	-.057	.00000	.00000	48.50000	.08197	-.00463	-.04793	-.08040	-.14535	.75312
47.720	5.140	5.00000	.00000	48.50000	.12527	.00620	-.03710	-.06958	-.14535	.74230
47.480	10.340	10.00000	.00000	48.00000	.12712	-.00413	-.04788	-.09163	-.14631	.72866
47.580	15.556	15.00000	.00000	48.00000	.07243	-.03694	-.08069	-.12444	-.17912	.75054
47.660	20.824	20.00000	.00000	48.00000	-.05882	-.14631	-.14631	-.16819	-.24475	.76147
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (LNA06E) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1075.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 153/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.620	-.054	.00000	.00000	48.00000	.08337	-.00413	-.05882	-.06975	-.16819	.79428
47.720	5.139	5.00000	.00000	48.00000	.13905	.01774	-.03694	-.05882	-.15725	.76147
47.540	10.338	10.00000	.00000	48.00000	.11618	-.00413	-.02600	-.05882	-.15725	.80522
47.750	15.553	15.00000	.00000	48.00000	.07243	-.04788	-.06975	-.10256	-.17912	.75054
47.610	20.822	20.00000	.00000	48.00000	-.03694	-.14631	-.12444	-.16819	-.25569	.73960
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (LNA06F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	15.000

RUN NO. 154/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.520	-.056	.00000	.00000	48.00000	.07243	-.00413	-.04788	-.05882	-.15725	.68491
47.620	5.138	5.00000	.00000	48.00000	.12712	.01774	-.02600	-.04788	-.13538	.67397
47.750	10.338	10.00000	.00000	48.50000	.11445	.00620	-.03710	-.06958	-.15618	.66652
47.570	15.550	15.00000	.00000	48.00000	.06149	-.04788	-.08069	-.10256	-.20100	.67397
47.610	20.822	20.00000	.00000	48.00000	-.04788	-.14631	-.13538	-.16819	-.25569	.67397
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (LNA06G) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	20.500

RUN NO. 155/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.510	-.061	.00000	.00000	48.00000	.09430	-.00413	-.05882	-.06975	-.16819	.63023
47.600	5.135	5.00000	.00000	48.00000	.12712	.00681	-.01507	-.04788	-.15725	.61929
47.580	10.335	10.00000	.00000	48.00000	.13805	.01774	-.03594	-.06975	-.15725	.61929
47.680	15.550	15.00000	.00000	48.00000	.06149	-.03694	-.06975	-.12444	-.20100	.61929
47.440	20.819	20.00000	.00000	47.50000	-.05888	-.14730	-.13625	-.20256	-.26887	.65948
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (LNA06H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 156/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.640	-.047	.00000	5.00000	48.00000	-.01507	-.10256	-.13538	-.13538	-.23381	.63023
47.700	5.147	5.00000	5.00000	48.00000	.00681	-.09163	-.12444	-.15725	-.21194	.59742
47.530	10.343	10.00000	5.00000	48.00000	.00681	-.10256	-.13538	-.15725	-.24475	.58648
47.460	15.556	15.00000	5.00000	48.00000	-.10256	-.15725	-.14631	-.17912	-.24475	.58648
47.670	20.810	20.00000	5.00000	48.00000	-.20100	-.23381	-.22287	-.26662	-.31037	.60835
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (LNA06I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 157/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.530	-.050	.00000	5.00000	48.00000	-.01507	-.09163	-.14631	-.10256	-.22287	.57554
47.550	5.145	.00000	5.00000	48.00000	.00681	-.08069	-.13538	-.12444	-.21194	.55367
47.470	10.342	10.00000	5.00000	48.00000	-.02600	-.11350	-.14631	-.13538	-.23381	.55367
47.480	15.554	15.00000	5.00000	48.00000	-.09162	-.15725	-.13538	-.17912	-.26662	.55367
47.650	20.806	20.00000	5.00000	48.00000	-.19006	-.25569	-.22287	-.26662	-.34318	.57554
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (LNA06J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 158/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.460	-.051	.00000	5.00000	47.50000	-.01468	-.11414	-.15835	-.12520	-.23571	.54896
47.530	5.145	5.00000	5.00000	47.50000	-.00363	-.09204	-.13625	-.13625	-.21361	.54896
47.310	10.341	10.00000	5.00000	47.50000	-.02573	-.11414	-.13625	-.15835	-.22466	.52688
47.450	15.583	15.00000	5.00000	48.00000	-.11350	-.15725	-.16819	-.21194	-.26662	.54273
47.870	20.783	20.00000	5.00000	48.00000	-.23381	-.26682	-.24475	-.27756	-.33224	.56460
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (LNA06K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	15.000

RUN NO. 159/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.480	-.055	.00000	5.00000	48.00000	-.01507	-.10256	-.14631	-.13538	-.23381	.49898
47.690	5.140	5.00000	5.00000	48.00000	.00681	-.08069	-.12444	-.13538	-.22287	.50992
47.600	10.326	10.00000	5.00000	47.50000	-.02573	-.12520	-.13625	-.14730	-.24676	.49370
47.680	15.549	15.00000	5.00000	48.00000	-.10256	-.15725	-.15725	-.19006	-.26662	.49898
47.830	20.785	20.00000	5.00000	48.50000	-.19865	-.25360	-.21030	-.26443	-.34020	.51497
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (LNA06L) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 20.500

RUN NO. 160/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.360	-.050	.00000	5.00000	48.00000	-.03694	-.09163	-.15725	-.13538	-.22287	.47711
47.530	5.141	5.00000	5.00000	48.00000	-.00413	-.10256	-.13538	-.12444	-.21194	.46617
47.680	10.336	10.00000	5.00000	48.00000	-.02600	-.11350	-.12444	-.13538	-.24475	.46617
47.630	15.547	15.00000	5.00000	48.00000	-.11350	-.14631	-.16819	-.19006	-.26662	.46617
47.440	20.800	20.00000	5.00000	48.00000	-.23381	-.24475	-.24475	-.28850	-.34318	.47711
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (LNA06M) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 161/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.610	-.038	.00000	10.00000	47.50000	-.11414	-.15835	-.20256	-.21361	-.23571	.75894
47.540	5.151	5.00000	10.00000	47.50000	-.10309	-.16940	-.18045	-.19150	-.24676	.82525
47.550	10.352	10.00000	10.00000	47.50000	-.14730	-.19150	-.19150	-.23571	-.23571	.70368
47.970	15.573	15.00000	10.00000	48.00000	-.23381	-.25569	-.22287	-.26662	-.31037	.67397
47.730	20.823	20.00000	10.00000	48.00000	-.34318	-.32131	-.31037	-.34318	-.37599	.66304
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA06N) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 5.000

RUN NO. 162/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.570	-.037	.00000	10.00000	47.50000	-.11414	-.16940	-.20256	-.21361	-.22466	.61527
47.700	5.151	5.00000	10.00000	48.00000	-.11350	-.15725	-.17912	-.19006	-.25569	.57554
47.440	10.349	10.00000	10.00000	47.50000	-.14730	-.16940	-.18045	-.21361	-.25782	.57106
47.630	15.572	15.00000	10.00000	48.00000	-.26662	-.25569	-.24475	-.26662	-.29943	.55367
47.520	20.823	20.00000	10.00000	48.00000	-.38593	-.34318	-.29943	-.34318	-.36506	.55367
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA060) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 10.000

RUN NO. 163/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.640	5.150	5.00000	10.00000	48.00000	-.10256	-.15725	-.17912	-.19006	-.24475	.46617
47.480	10.348	10.00000	10.00000	48.00000	-.14631	-.17912	-.17912	-.23381	-.25569	.45523
47.500	15.575	15.00000	10.00000	47.50000	-.23571	-.25782	-.23571	-.25782	-.31307	.46054
47.740	20.820	20.00000	10.00000	48.00000	-.37599	-.34318	-.31037	-.35412	-.37599	.46617
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA06P) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 15.000

RUN NO. 164/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.630	-.040	.00000	10.00000	48.00000	-.12444	-.17912	-.20100	-.21194	-.25569	.42242
47.450	5.148	5.00000	10.00000	47.50000	-.10309	-.16940	-.18045	-.19150	-.23571	.42739
47.590	10.346	10.00000	10.00000	47.50000	-.15335	-.18045	-.18045	-.21361	-.25897	.41634
47.510	15.566	15.00000	10.00000	48.00000	-.23381	-.25569	-.23381	-.25569	-.29943	.41148
47.820	20.818	20.00000	10.00000	48.00000	-.37599	-.34318	-.29943	-.34318	-.37599	.43336
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA06Q) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 20.500

RUN NO. 165/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.640	-.043	.00000	10.00000	48.00000	-.12444	-.16819	-.20100	-.21194	-.23381	.38961
47.600	5.147	5.00000	10.00000	48.00000	-.12444	-.17912	-.17912	-.19006	-.25569	.37967
47.570	10.342	10.00000	10.00000	47.50000	-.14730	-.18045	-.18045	-.23571	-.25782	.38318
47.760	15.561	15.00000	10.00000	48.00000	-.25569	-.23381	-.25569	-.26662	-.29943	.37867
47.670	20.817	20.00000	10.00000	48.00000	-.39693	-.34318	-.31037	-.34318	-.36506	.37867
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA06R) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.0100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 167/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.470	-5.243	-5.00000	.00000	47.00000	.03039	-.04779	-.10364	-.12597	-.15948	.87921
47.570	-2.651	-2.50000	.00000	47.50000	.08479	-.02573	-.08099	-.11414	-.13625	.83630
47.600	-.038	.00000	.00000	47.50000	.10689	.00743	-.05838	-.08099	-.13625	.82525
47.550	2.540	2.50000	.00000	47.50000	.14005	.00743	-.03678	-.06994	-.11414	.80315
47.580	5.139	5.00000	.00000	47.50000	.15110	.01848	-.03678	-.05838	-.11414	.78104
47.810	7.739	7.50000	.00000	47.50000	.15110	.00743	-.03678	-.05838	-.11414	.76999
47.630	10.342	10.00000	.00000	47.00000	.14209	-.00312	-.03662	-.09247	-.12597	.76752
47.580	11.379	11.00000	.00000	47.50000	.14005	-.00363	-.03678	-.09204	-.13625	.75894
47.690	12.421	12.00000	.00000	47.50000	.11794	-.01489	-.03678	-.09204	-.13625	.74789
47.670	13.462	13.00000	.00000	47.50000	.10689	-.02573	-.04783	-.10309	-.14730	.74789
47.600	14.505	14.00000	.00000	47.00000	.10857	-.02545	-.04779	-.12597	-.14831	.75635
47.680	15.549	15.00000	.00000	47.00000	.09823	-.04779	-.05885	-.12597	-.17065	.75635
47.520	16.601	16.00000	.00000	47.50000	.08200	-.05994	-.08099	-.13625	-.15940	.73684
47.620	17.651	17.00000	.00000	47.50000	.04058	-.09204	-.10309	-.15935	-.18045	.74789
47.520	18.708	18.00000	.00000	47.50000	.02053	-.09204	-.10309	-.16940	-.20256	.74789
47.490	19.768	19.00000	.00000	47.50000	-.00363	-.11414	-.11414	-.16940	-.20256	.75894
47.660	20.817	20.00000	.00000	47.50000	-.02573	-.13625	-.12520	-.16940	-.24676	.76999
	GRADIENT	.96321	.00000	.00000	.01060	.00638	.00852	.00851	.00426	-.00639

ARC40X80-462(OA100) QV101(ADS OFF) (LNA06S) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BOFLAP =	.000
SPOBRK =	25.000	RUDDER =	.000

RUN NO. 47/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
94.360	-5.233	-5.00000	-5.00000	98.00000	-.27515	-.30754	-.26976	-.28595	-.31293	-.29674
94.320	-2.640	-2.50000	-5.00000	98.00000	-.27515	-.31833	-.24817	-.26595	-.30214	-.30214
94.430	-.047	.00000	-5.00000	98.50000	-.27940	-.31163	-.26329	-.29014	-.28477	-.30089
94.430	2.550	2.50000	-5.00000	98.00000	-.26976	-.29135	-.26436	-.25356	-.26595	-.30214
94.430	5.148	5.00000	-5.00000	98.00000	-.27515	-.28674	-.24817	-.28055	-.26595	-.30214
94.320	7.747	7.50000	-5.00000	98.00000	-.29674	-.31833	-.25356	-.26595	-.26436	-.29135
94.550	10.348	10.00000	-5.00000	98.00000	-.26436	-.28055	-.25896	-.26976	-.25896	-.29135
94.320	11.396	11.00000	-5.00000	98.00000	-.26436	-.30214	-.28055	-.26436	-.28055	-.28055
94.410	12.437	12.00000	-5.00000	97.50000	-.27086	-.29255	-.26001	-.27086	-.28171	-.29798
94.660	13.479	13.00000	-5.00000	98.50000	-.27403	-.31700	-.26866	-.26329	-.30089	-.29552
94.570	14.522	14.00000	-5.00000	98.00000	-.24817	-.30754	-.27515	-.28595	-.28595	-.30754
94.550	15.570	15.00000	-5.00000	98.50000	-.29014	-.30089	-.28477	-.25792	-.30089	-.29014
94.360	16.617	16.00000	-5.00000	98.00000	-.29674	-.32373	-.28055	-.28595	-.28595	-.30214
94.270	17.676	17.00000	-5.00000	98.00000	-.29135	-.30754	-.28055	-.29674	-.30754	-.31293
94.500	18.727	18.00000	-5.00000	98.50000	-.31700	-.32774	-.29552	-.31700	-.32774	-.31700
94.570	19.777	19.00000	-5.00000	98.50000	-.33311	-.35996	-.31163	-.33848	-.33311	-.34922
94.590	20.820	20.00000	-5.00000	98.50000	-.34922	-.35996	-.34385	-.33848	-.34922	-.35996
94.340	21.861	21.00000	-5.00000	98.50000	-.36533	-.38145	-.35459	-.37071	-.36533	-.38682
	GRADIENT	.96341	-.00000	-.00007	.00104	.00520	-.00312	.00624	.00312	-.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA06T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 168/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.490	-5.236	-5.00000	2.00000	47.00000	-.04779	-.08130	-.14831	-.00312	-.19298	.65583
47.640	-2.648	-2.50000	2.00000	47.00000	.03039	-.03662	-.11480	.00805	-.15948	.62233
47.650	-.056	.00000	2.00000	47.00000	.05389	-.02545	-.09247	.04156	-.14831	.59882
47.620	2.533	2.50000	2.00000	47.00000	.09740	-.02545	-.09130	.05273	-.13714	.54415
47.610	5.139	.00000	2.00000	47.00000	.09740	-.02545	-.07013	.05273	-.12597	.53298
47.590	7.739	7.50000	2.00000	47.00000	.08623	-.02545	-.07013	.05273	-.13714	.49947
47.630	10.339	10.00000	2.00000	47.00000	.07506	-.03662	-.09130	.04156	-.15948	.48830
47.580	11.322	11.00000	2.00000	47.00000	.06389	-.03662	-.07013	.03039	-.15948	.47713
47.620	12.421	12.00000	2.00000	47.00000	.05389	-.04779	-.08130	.01922	-.15948	.46597
47.510	13.462	13.00000	2.00000	46.00000	.03039	-.07054	-.09336	.00933	-.17323	.47715
47.530	14.508	14.00000	2.00000	47.00000	.03039	-.07013	-.09247	.00805	-.17065	.44363
47.560	15.551	15.00000	2.00000	47.00000	.01922	-.08130	-.11480	-.00312	-.20415	.43246
47.730	16.568	16.00000	2.00000	47.00000	-.00312	-.10364	-.11480	-.00312	-.21532	.43246
47.530	17.653	17.00000	2.00000	47.00000	-.02545	-.11480	-.12597	-.01429	-.21532	.42129
47.600	18.709	18.00000	2.00000	47.00000	-.05936	-.14831	-.14831	-.03662	-.21532	.43246
47.740	19.762	19.00000	2.00000	47.00000	-.09247	-.17065	-.17065	-.07013	-.23766	.43246
47.450	20.817	20.00000	2.00000	47.00000	-.11480	-.17065	-.17065	-.08130	-.27116	.42129
	GRADIENT	.96391	.00000	-.00000	.01292	.00215	.00646	.00861	.00431	-.01507

ARC40X80-462(OA100) OV101(ADS OFF) (LNA06U) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	935.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 169/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.530	-5.219	-5.00000	10.00000	47.00000	-.14831	-.21532	-.24883	-.08130	-.28233	.35428
47.640	-2.630	-2.50000	10.00000	47.00000	-.13714	-.19298	-.23766	-.08130	-.24883	.34311
47.640	-.041	.00000	10.00000	47.00000	-.11480	-.17065	-.22649	-.05896	-.23766	.32077
47.710	2.553	2.50000	10.00000	47.00000	-.11480	-.17065	-.20415	-.05896	-.21532	.30961
47.620	5.146	5.00000	10.00000	47.00000	-.11480	-.17065	-.19298	-.05896	-.23766	.29844
47.620	7.650	7.50000	10.00000	47.00000	-.11480	-.17065	-.18182	-.04779	-.22649	.27610
47.620	10.348	10.00000	10.00000	47.00000	-.14831	-.19298	-.20415	-.07013	-.23766	.26493
47.740	11.389	11.00000	10.00000	47.00000	-.15948	-.21532	-.22649	-.08130	-.27116	.26493
47.600	12.433	12.00000	10.00000	47.00000	-.17065	-.21532	-.22649	-.10364	-.28233	.26493
47.480	13.480	13.00000	10.00000	47.00000	-.20415	-.22649	-.22649	-.10364	-.28233	.27610
47.500	14.523	14.00000	10.00000	47.00000	-.21532	-.22649	-.24883	-.10364	-.28233	.27610
47.620	15.575	15.00000	10.00000	47.00000	-.24883	-.24883	-.24883	-.11480	-.29350	.28727
47.600	16.625	16.00000	10.00000	47.00000	-.24883	-.26000	-.26000	-.13714	-.30467	.29844
47.500	17.671	17.00000	10.00000	47.00000	-.27116	-.27116	-.26000	-.14831	-.31584	.28727
47.550	18.721	18.00000	10.00000	47.00000	-.30467	-.30467	-.30467	-.17065	-.32701	.29844
47.530	19.769	19.00000	10.00000	47.00000	-.32701	-.31584	-.30467	-.18182	-.34935	.32077
47.670	20.819	20.00000	10.00000	47.00000	-.40519	-.33818	-.32701	-.19298	-.36051	.33194
	GRADIENT	.96462	-.00000	.00000	.00431	.00431	.00646	.00431	.00646	-.00646

ARC40X80-462(OA100) OV101(ADS OFF) (LNA06V) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 166/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.850	-.063	.00000	10.00000	48.00000	-.12444	-.16819	-.19006	-.20100	-.23381	.34586
47.460	5.129	5.00000	10.00000	47.50000	-.10309	-.18045	-.16940	-.19150	-.24676	.32793
47.510	10.327	10.00000	10.00000	47.50000	-.14730	-.18045	-.18045	-.21361	-.25782	.32793
47.600	15.553	15.00000	10.00000	48.00000	-.25569	-.26662	-.22287	-.25569	-.29943	.33492
47.540	20.804	20.00000	10.00000	48.00000	-.34318	-.32131	-.29943	-.34318	-.36506	.34586
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (LNA06W) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 170/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.520	-5.246	-5.00000	.00000	48.00000	.01774	-.00413	-.11350	-.12444	-.17912	.91459
47.570	-2.655	-2.50000	.00000	48.00000	.08149	-.02600	-.09163	-.09163	-.16819	.89272
47.500	-.063	.00000	.00000	48.00000	.09430	.01774	-.04788	-.08069	-.14631	.85991
47.400	2.528	2.50000	.00000	48.00000	.12712	.02868	-.03694	-.06975	-.13538	.85991
47.470	5.136	5.00000	.00000	48.00000	.13805	.02868	-.04788	-.08069	-.14631	.83803
47.370	7.735	7.50000	.00000	48.00000	.13805	.02868	-.03694	-.08069	-.14631	.83803
47.510	10.336	10.00000	.00000	48.00000	.11618	.01774	-.03694	-.08069	-.15725	.82710
47.670	12.934	12.50000	.00000	48.00000	.09430	-.00413	-.04788	-.09163	-.15725	.82710
47.560	15.548	15.00000	.00000	48.00000	.08337	-.01522	-.04788	-.09069	-.12444	-.16819	.82710
47.370	18.171	17.50000	.00000	47.00000	.01922	-.03247	-.12597	-.14631	-.22649	.84570
47.610	20.811	20.00000	.00000	48.00000	-.04723	-.11350	-.14631	-.17912	-.25569	.84897
47.440	25.992	25.00000	.00000	48.00000	-.20100	-.24475	-.25569	-.29843	-.36506	.85991
	GRADIENT	.96289	.00000	-.00000	.01264	.01053	.01053	.00421	.00632	-.00631

ARC40X80-462(OA100) OV101(ADS OFF) (LNA06X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 171/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.650	-13.000	10.00000	10.34100	48.00000	.47711	.31305	.23549	.18180	.09430	.83803
47.520	-10.000	10.00000	10.33820	48.00000	.40055	.24742	.17086	.10524	.03962	.82710
47.410	-2.000	1.00000	10.33620	48.00000	.19180	.06149	.00681	-.04788	-.12444	.82710
47.410	.000	1.00000	10.33440	48.00000	.11618	.00681	-.04788	-.08069	-.15725	.82710
47.600	5.000	-1.00000	10.34450	48.00000	-.00413	-.10256	-.14631	-.15725	-.22287	.82710
47.380	10.000	1.00000	10.35610	48.00000	-.14631	-.19006	-.23381	-.23381	-.25569	.81616
47.390	15.000	1.00000	10.36440	48.00000	-.28850	-.27756	-.28850	-.28850	-.31037	.79428
47.200	20.000	1.00000	10.34170	47.00000	-.40519	-.33818	-.30467	-.34935	.78985
	GRADIENT	-.30769	.00135	.00000	-.02608	-.02314	-.02145	-.01556	-.01388	.00000

ARC40X80-462(0A100) OV101+TUFTS (ADS OFF) (LNA06Y) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000

RUN NO. 172/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
9.590	-.074	.00000	.00000	9.50000	-.26944	-.26944	-.26944	-.26944	-.32449	-.26944
9.630	5.120	5.00000	.00000	9.00000	-.22363	-.22363	-.22363	-.28174	-.33985	-.22363
9.660	10.325	10.00000	.00000	9.50000	-.21439	-.21439	-.21439	-.26944	-.26944	-.21439
9.630	15.532	15.00000	.00000	9.50000	-.21439	-.21439	-.21439	-.26944	-.26944	-.21439
9.490	20.764	20.00000	.00000	8.50000	-.23395	-.23395	-.23395	-.29548	-.29548	-.23395
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 173/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
19.020	-.074	.00000	.00000	18.50000	-.24574	-.24574	-.24574	-.27403	-.27403	-.24574
19.040	5.117	5.00000	.00000	18.50000	-.21744	-.21744	-.21744	-.24574	-.24574	-.21744
19.090	10.324	10.00000	.00000	19.00000	-.18542	-.15786	-.18542	-.21297	-.18542	-.15786
19.080	15.531	15.00000	.00000	18.50000	-.16085	-.16085	-.16085	-.21744	-.21744	-.16085
19.090	20.782	20.00000	.00000	19.00000	-.18542	-.18542	-.15786	-.18542	-.18542	-.18542
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 174/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.410	-5.253	-5.00000	.00000	48.00000	-.23381	-.24475	-.24475	-.25569	-.25569	-.21194
47.630	-2.664	-2.50000	.00000	48.00000	-.23381	-.23381	-.23381	-.24475	-.23381	-.23381
47.490	-.074	.00000	.00000	48.00000	-.22287	-.21194	-.22287	-.23381	-.22287	-.21194
47.330	2.522	2.50000	.00000	47.50000	-.20256	-.20256	-.20256	-.21361	-.21361	-.20256
47.640	5.119	5.00000	.00000	48.00000	-.17912	-.19006	-.19006	-.20100	-.20100	-.19006
47.460	7.720	7.50000	.00000	48.00000	-.17912	-.14631	-.16819	-.20100	-.19006	-.15725
47.660	10.323	10.00000	.00000	48.00000	-.14631	-.16819	-.17912	-.27756	-.17912	-.17912
47.580	12.922	12.50000	.00000	48.00000	-.14631	-.15725	-.15725	-.162 9	-.16819	-.15725
47.590	15.533	15.00000	.00000	48.50000	-.16700	-.16700	-.15618	-.18865	-.15618	-.15618
47.610	18.150	17.50000	.00000	48.00000	-.19006	-.15725	-.14631	-.19006	-.17912	-.14631
47.580	20.791	20.00000	.00000	48.00000	-.19006	-.19006	-.19006	-.19006	-.20100	-.19006
47.190	25.987	25.00000	.00000	48.00000	-.23381	-.23381	-.23381	-.24475	-.24475	-.23381
	GRADIENT	.96415	.00000	-.09645	.00603	.00603	.00603	.00601	.00390	.00603

ARC40X80-462(OA100) OV101+TUFTS (ADS OFF) (LNA06Z) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000

RUN NO. 175/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
47.750	-5.249	-5.00000	5.00000	48.00000	-.26662	-.22287	-.22287	-.24475	-.24475	-.23381
47.650	-2.660	-2.50000	5.00000	47.50000	-.24676	-.23571	-.22466	-.23571	-.23571	-.23571
47.580	-.070	.00000	5.00000	47.50000	-.23571	-.22466	-.20256	-.23571	-.21351	-.22466
47.490	2.526	2.50000	5.00000	47.50000	-.20256	-.19150	-.18045	-.20256	-.19150	-.19150
47.470	5.122	5.00000	5.00000	47.50000	-.20256	-.19150	-.18045	-.19150	-.18045	-.18045
47.640	7.725	7.50000	5.00000	48.00000	-.18005	-.17912	-.16819	-.20100	-.15725	-.16819
47.450	10.326	10.00000	5.00000	48.00000	-.17912	-.16819	-.16819	-.17912	-.16819	-.17912
47.530	12.928	12.50000	5.00000	47.50000	-.18045	-.18045	-.14730	-.15835	-.19150	-.18045
47.680	15.537	15.00000	5.00000	48.00000	-.16819	-.15725	-.14631	-.17912	-.15725	-.15725
47.480	18.155	17.50000	5.00000	48.00000	-.16819	-.16819	-.16819	-.19006	-.16819	-.19006
47.550	20.782	20.00000	5.00000	48.00000	-.20100	-.20100	-.19006	-.21194	-.20100	-.20100
47.360	25.433	25.00000	5.00000	47.50000	-.24675	-.23571	-.23571	-.25782	-.24675	-.24676
	GRADIENT	.96402	.00000	.00000	.00852	.00852	.00952	.00639	.00852	.00852

ARC40X80-462(OA100) OV101 (LNA07A) (16 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 17S/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
94.180	-.048	.00000	5.00000	97.50000	.06099	-.09378	-.14536	-.16165	-.21052	-.00961
94.280	5.145	5.00000	5.00000	97.50000	.03926	-.08835	-.12364	-.15351	-.21595	.14514
94.750	10.344	10.00000	5.00000	98.50000	-.01281	-.10151	-.12033	-.16803	-.21710	.29632
94.370	15.559	15.00000	5.00000	98.00000	-.09502	-.15115	-.17196	-.21518	-.25840	.46289
94.330	20.825	20.00000	5.00000	98.75000	-.24621	-.24889	-.23817	-.30252	-.32397	.58772
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (LNA07B) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 177/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
94.560	-5.240	-5.00000	.00000	98.75000	.11310	-.06387	-.10677	-.12555	-.17113	-.12555
94.350	-2.649	-2.50000	.00000	98.50000	.15117	-.02625	-.07732	-.09076	-.15259	-.06388
94.170	-.056	.00000	.00000	98.00000	.16573	-.00446	-.04769	-.32054	-.11522	.00094
94.450	2.541	2.50000	.00000	99.00000	.17653	.01985	-.03688	-.08010	-.13143	.09279
94.510	5.130	5.00000	.00000	98.50000	.17536	.01945	-.02625	-.06388	-.13108	.16729
94.320	7.738	7.50000	.00000	98.50000	.16192	.01407	-.02625	-.07194	-.13108	.25331
94.710	10.348	10.00000	.00000	98.50000	.14041	.00063	-.03700	-.08001	-.14452	.32589
94.310	12.946	12.50000	.00000	99.00000	.09930	-.01572	-.04782	-.09596	-.15213	.37213
94.310	15.557	15.00000	.00000	99.00000	.05767	-.04769	-.07740	-.12873	-.16925	.46019
94.550	18.382	17.50000	.00000	98.50000	-.01549	-.08926	-.09345	-.15528	-.21710	.53825
	GRADIENT	.96334	.00000	-.09631	.00409	.00688	.00779	.00208	.00407	.03019

ARC40X80-462(OA100) OV101 (LNA07C) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = -5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 178/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
94.190	-5.234	-5.00000	-5.00000	97.50000	.21301	.05555	-.00961	-.04491	-.09378	-.13450
94.480	-2.643	-2.50000	-5.00000	98.50000	.25869	.08665	.02214	-.00743	-.06926	-.06388
94.510	-.049	.00000	-5.00000	98.25000	.25843	.11397	.04660	.00618	-.06119	.01695
94.470	2.548	2.50000	-5.00000	98.50000	.30707	.13235	.05977	.01945	-.04506	.10009
94.270	5.145	5.00000	-5.00000	99.00000	.30269	.12605	.06720	.02708	-.03979	.14745
94.160	7.746	7.50000	-5.00000	97.50000	.30533	.13428	.08270	.02568	-.04762	.23745
94.150	10.349	10.00000	-5.00000	97.50000	.29718	.13700	.07455	.02025	-.05034	.30533
94.370	12.957	12.50000	-5.00000	98.00000	.25488	.09279	.06577	-.00717	-.06390	.39265
94.300	15.555	15.00000	-5.00000	97.50000	.21301	.07938	.03383	-.02590	-.10735	.43836
94.200	18.156	17.50000	-5.00000	97.50000	.18043	.05826	.01754	-.05848	-.11007	.51981
94.170	20.818	20.00000	-5.00000	99.00000	.09930	.00568	-.02642	-.09864	-.15748	.56472
	GRADIENT	.96328	-.00000	.00003	.00932	.00880	.00725	.00518	.00466	.03159

ARC40X80-462(OA100) OV101 (LNA07D) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = -10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 179/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
94.250	-5.223	-5.00000	-10.00000	96.50000	.27612	.16916	.09511	.03204	-.00910	-.17639
94.150	-2.632	-2.50000	-10.00000	96.00000	.30815	.19411	.10969	.07385	.01321	-.12185
94.300	-.039	.00000	-10.00000	96.25000	.37870	.22473	.13400	.10101	.03777	-.02821
94.240	2.586	2.50000	-10.00000	96.25000	.38419	.23848	.16424	.11750	.04877	.04327
94.350	5.153	5.00000	-10.00000	95.75000	.40857	.23724	.17092	.11565	.04104	.13223
94.130	7.751	7.50000	-10.00000	96.25000	.40344	.24398	.17799	.12025	.05152	.18349
94.300	10.357	10.00000	-10.00000	96.50000	.41539	.23772	.17739	.12254	.03752	.25143
94.440	12.985	12.50000	-10.00000	96.50000	.39591	.21652	.16093	.10060	.02381	.30628
94.390	15.590	15.00000	-10.00000	96.50000	.35039	.19659	.14996	.08140	.00187	.36113
94.270	18.201	17.50000	-10.00000	96.00000	.30263	.18135	.12347	.05456	-.00608	.45699
94.070	20.817	20.00000	-10.00000	96.00000	.25302	.09966	.07385	.00495	-.04743	.49282
	GRADIENT	.96376	-.00000	.04819	.01468	.01048	.01052	.00841	.00685	.03183

ARC40X80-462(OA100) OV101+NOSE GEAR (LNA07E) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 180/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
94.090	-.048	.00000	5.00000	96.75000	.00719	-.12696	-.17062	-.16789	-.22260	.00992
94.500	10.345	10.00000	5.00000	97.25000	-.06392	-.12924	-.14285	-.18640	-.21906	.24908
94.420	15.558	15.00000	5.00000	97.25000	-.14830	-.16463	-.18912	-.22723	-.25445	.40967
94.220	20.813	20.00000	5.00000	97.00000	-.24675	-.26858	-.24129	-.31224	-.31769	.52546
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (LNA07F) (16 MAR 82)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 935.6900 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 181/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
94.260	-5.240	-5.00000	.00000	99.75000	.09547	-.06119	-.12491	-.14084	-.18057	-.08508
94.390	-2.648	-2.50000	.00000	95.00000	.10587	-.03615	-.07792	-.10577	-.16147	-.03058
94.370	-.055	.00000	.00000	97.25000	.13477	-.01493	-.05664	-.09930	-.15374	.04495
93.980	2.539	2.50000	.00000	98.50000	.14174	-.00361	-.05846	-.08589	-.13251	.11980
94.500	5.138	5.00000	.00000	97.25000	.14938	.01229	-.04487	-.09114	-.13469	.19737
94.490	7.729	7.50000	.00000	97.00000	.13526	-.00117	-.05029	-.08976	-.13497	.25532
94.370	10.347	10.00000	.00000	96.75000	.10586	-.01196	-.05026	-.10437	-.15695	.32451
94.240	12.946	12.50000	.00000	96.50000	.06221	-.03104	-.06120	-.11880	-.15993	.40227
94.570	15.556	15.00000	.00000	95.00000	.01119	-.06122	-.09742	-.14754	-.17539	.45674
94.140	20.804	20.00000	.00000	96.75000	-.10223	-.13780	-.14600	-.22260	-.24448	.58712
	GRADIENT	.96399	.00000	.28910	.00691	.00627	.00375	.00383	.00558	.02899

ARC40X80-462(OA100) OV101+NOSE GEAR (LNA07G) (16 MAR 82)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6900 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .3500

PARAMETRIC DATA

BETA = -5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 182/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
94.590	-.048	.00000	-5.00000	97.25000	.25181	.10483	.02862	-.00949	-.07481	.00412
94.180	5.147	5.00000	-5.00000	97.00000	.28896	.12162	.04794	.00429	-.04756	.11889
94.460	10.351	10.00000	-5.00000	97.00000	.25532	.10252	.05613	.00429	-.07212	.28895
94.200	15.563	15.00000	-5.00000	96.75000	.18226	.05916	.01813	-.05300	-.11044	.41478
94.470	20.815	20.00000	-5.00000	97.00000	.07250	-.02648	-.03937	-.10486	-.15398	.53910
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (LNA07H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 183/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
94.280	-.035	.00000	-10.00000	96.50000	.39033	.22949	.13351	.07318	.02107	-.00361
94.300	5.152	5.00000	-10.00000	97.00000	.39094	.23095	.16901	.11343	.04522	.14345
94.250	10.356	10.00000	-10.00000	96.50000	.39404	.23458	.18013	.10608	.02930	.26515
94.220	15.581	15.00000	-10.00000	96.50000	.33371	.18561	.12802	.06221	-.01458	.37484
94.530	20.834	20.00000	-10.00000	96.75000	.23997	.10840	.06190	-.00376	-.07214	.49684
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA07I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 184/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
94.150	-.052	.00000	5.00000	95.50000	.03852	-.10554	-.13879	-.15818	-.20805	.00528
94.290	5.140	5.00000	5.00000	96.25000	.02677	-.08320	-.12169	-.14919	-.20142	.16974
94.410	10.342	10.00000	5.00000	96.25000	-.02271	-.10520	-.13269	-.16843	-.21242	.33196
94.530	15.560	15.00000	5.00000	96.25000	-.14644	-.15468	-.17868	-.21517	-.27841	.44468
94.310	20.818	20.00000	5.00000	95.75000	-.24360	-.24912	-.24360	-.29610	-.32926	.58543
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (LNA07J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 185/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
94.060	-5.240	-5.00000	.00000	95.50000	.10779	-.05013	-.09723	-.11939	-.17757	-.09723
94.520	-2.649	-2.50000	.00000	98.25000	.15058	-.02271	-.08045	-.08870	-.15743	-.01447
94.500	-.060	.00000	.00000	96.75000	.18311	.00171	-.05847	-.07762	-.14600	.05369
93.980	2.537	2.50000	.00000	98.00000	.16206	.01973	-.03089	-.06121	-.13287	.11796
94.070	5.133	5.00000	.00000	95.00000	.16713	.01119	-.02780	-.06679	-.12248	.19498
93.670	7.736	7.50000	.00000	95.50000	.15211	.01913	-.03074	-.07229	-.13324	.26570
94.470	10.340	10.00000	.00000	96.50000	.12602	.01010	-.03378	-.08314	-.13799	.32274
94.200	12.941	12.50000	.00000	96.00000	.07385	-.00309	-.03916	-.09428	-.16319	.38257
95.730	15.555	15.00000	.00000	97.50000	.03926	-.03405	-.05120	-.11278	-.16708	.47365
94.370	18.182	17.50000	.00000	96.50000	-.02555	-.03599	-.10234	-.16542	-.20655	.53116
	GRADIENT	.96417	.00000	-.04834	.00223	.00799	.00956	.00530	.00474	.02554

ARC40X80-462(0A100) OV101(FTP OFF) (LNA07K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 186/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
94.190	-.063	.00000	-5.00000	96.00000	.28058	.10693	.04629	.01597	-.05018	.03251
93.830	5.144	5.00000	-5.00000	95.50000	.31200	.14657	.08562	.03298	-.04459	.18813
93.970	10.346	10.00000	-5.00000	95.50000	.28510	.12995	.07731	.01913	-.05290	.33219
94.430	15.562	15.00000	-5.00000	96.50000	.21304	.08589	.04575	-.02281	-.07766	.43792
94.150	20.819	20.00000	-5.00000	96.00000	.08488	-.00332	-.02262	-.10807	-.15492	.58103
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA07L) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 187/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
94.450	-.040	.00000	-10.00000	96.25000	.37595	.23298	.14225	.10376	.04052	.01028
94.330	5.151	5.00000	-10.00000	96.50000	.41598	.25418	.18561	.13077	.05398	.16642
94.270	10.353	10.00000	-10.00000	96.00000	.42943	.25578	.20065	.13174	.04905	.29161
94.200	20.827	20.00000	-10.00000	95.75000	.27040	.12384	.08801	.03827	-.04187	.51911
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA07M) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1075.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6600 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 188/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP74	CP75	CP76	CP77	CP78	CP91
94.160	-.073	.00000	.00000	96.00000	.16206	-.00332	-.05845	-.07223	-.14114	.03802
94.210	5.117	5.00000	.00000	95.75000	.15710	.02446	-.01976	-.06397	-.12477	.19026
94.200	10.325	10.00000	.00000	96.00000	.13898	-.00332	-.02813	-.07223	-.12461	.30815
94.330	15.539	15.00000	.00000	96.25000	.04602	-.03346	-.07495	-.11619	-.16843	.48592
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (LNA07N) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 10.000
AILRON = .000 BDFLAP = 22.000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 189/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.640	-10.000	10.00000	10.55350	48.25000	.43452	.26645	.19054	.13091	.04416	.30982
47.630	-5.000	10.00000	10.53930	48.25000	.27187	.11464	.06042	.01705	-.06970	.33151
47.240	-2.000	10.00000	10.53580	47.75000	.18782	.04519	.00137	-.04793	-.11914	.33552
47.530	.000	10.00000	10.53670	48.25000	.12548	.00079	-.03717	-.08054	-.13476	.33693
47.480	2.000	10.00000	10.53580	48.25000	.07127	-.04601	-.07512	-.11849	-.17271	.31524
47.330	5.000	10.00000	10.53490	47.75000	-.03150	-.10271	-.14105	-.16297	-.22322	.31361
47.450	10.000	10.00000	10.54590	49.25000	-.19892	-.20754	-.21817	-.22879	-.27130	.24403
47.300	20.000	10.00000	10.53400	48.00000	-.48394	-.38405	-.34225	-.32045	-.33680	.04467
	GRADIENT	.00000	-.00041	-.02586	-.03016	-.02195	-.02001	-.01795	-.01508	-.00224

ARC40X80-462(OA100) OV101(FTP OFF) (LNA070) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 10.000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000

RUN NO. 190/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.640	-10.000	10.00000	10.48410	48.25000	.42910	.23934	.18512	.13633	.04958	.26103
47.550	-5.000	10.00000	10.47200	48.25000	.26813	.12548	.06585	.01705	-.06427	.33151
47.650	-2.000	10.00000	10.46590	48.25000	.19595	.05500	-.01006	-.03717	-.10223	.32609
47.360	.000	10.00000	10.46350	47.75000	.11640	.00137	-.03698	-.06984	-.13558	.31909
47.420	2.000	10.00000	10.46720	48.00000	.07192	-.03707	-.00067	-.11882	-.18421	.31171
47.500	5.000	10.00000	10.47040	48.00000	-.02072	-.10247	-.13517	-.16241	-.21691	.28991
47.490	15.000	10.00000	10.48130	48.25000	-.32584	-.28656	-.28656	-.28656	-.31909	.17428
47.330	20.000	10.00000	10.46300	48.00000	-.46214	-.35860	-.33680	-.31500	-.34770	.03922
	GRADIENT	.00000	-.00018	-.03017	-.03090	-.02283	-.01976	-.01829	-.01599	-.00408

ARC40X80-462(OA100) OV101 (LNA07P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 85/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.990	-13.000	10.00000	10.36050	48.50000	.47167	.33095	.22270	.16857	.10362	.17940
47.900	-10.000	10.00000	10.35670	48.00000	.41148	.25836	.15993	.10524	.05056	.21461
47.590	-5.000	10.00000	10.35060	48.00000	.24742	.12712	.03962	.00681	-.06975	.29117
47.840	-2.000	10.00000	10.34730	48.00000	.15993	.06149	-.02600	-.08069	-.12444	.29117
47.790	.000	10.00000	10.34500	48.00000	.11618	.01774	-.05882	-.10256	-.15725	.32399
47.800	2.000	10.00000	10.34700	48.00000	.05056	-.01597	-.11350	-.13538	-.19006	.29117
47.750	5.000	10.00000	10.34890	48.00000	-.05882	-.09163	-.15725	-.19006	-.23381	.30211
47.630	10.000	10.00000	10.35780	48.00000	-.20100	-.17912	-.24475	-.28682	-.28850	.24742
47.530	15.000	10.00000	10.35930	48.00000	-.33224	-.27756	-.31037	-.31037	-.32131	.17086
	GRADIENT	.00000	-.00016	.00000	-.03017	-.02150	-.01999	-.01886	-.01641	.00094

ARC40X80-462(OA100) OV101 (LNA07Q) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 100/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP74	CP75	CP76	CP77	CP78	CP91
47.610	-13.000	10.00000	10.34010	47.50000	.50475	.30582	.26162	.19530	.10689	.20636
47.620	-10.000	10.00000	10.33610	48.50000	.39590	.22270	.17940	.11445	.03867	.21187
47.670	-5.000	10.00000	10.32700	47.50000	.28372	.12899	.09584	.01848	-.04783	.29477
47.670	-2.000	10.00000	10.32420	47.50000	.19530	.05163	.01848	-.02573	-.11414	.30582
47.600	.000	10.00000	10.32430	47.50000	.12699	.00743	-.03678	-.05994	-.13625	.32793
47.560	2.000	10.00000	10.32280	49.00000	.05939	-.03727	-.05870	-.10156	-.14442	.30562
47.750	5.000	10.00000	10.32720	47.50000	-.03678	-.10309	-.11414	-.15035	-.22466	.31687
47.670	10.000	10.00000	10.33270	49.00000	-.18728	-.19799	-.19799	-.20871	-.27300	.25204
47.610	15.000	10.00000	15.34150	49.00000	-.30514	-.27300	-.25228	-.27300	-.29443	.17704
47.680	20.000	10.00000	15.33100	47.50000	-.45675	-.34623	-.32413	-.31307	-.34623	.07374
	GRADIENT	.00000	-.00003	.05172	-.03195	-.02307	-.02076	-.01786	-.01629	.00190

ARC40X80-462(OA100) OV101 (MNA02D) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 57/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.760	-.064	10.00000	.00000	46.50000	.16672	.20058	.12157	.06513	.14414	.06513	10.17740
47.770	2.461	10.00000	.00000	46.50000	.16672	.20058	.12157	.12157	.14414	.05384	10.17930
47.800	4.956	10.00000	.00000	46.50000	.16672	.20058	.11028	.08770	.17801	.06513	10.18250
47.880	7.495	10.00000	.00000	46.50000	.14414	.20058	.11028	.08770	.14414	.06513	10.18790
47.690	10.020	10.00000	.00000	46.50000	.14414	.20058	.12157	.08770	.16672	.06513	10.18750
47.640	15.039	10.00000	.00000	46.50000	.14414	.20058	.12157	.12157	.14414	.06513	10.21370
	GRADIENT	-.00000	.00000	.00000	.00000	.00000	-.00224	.00453	.00673	-.00001	.00102

ARC40X80-462(OA100) OV101 (MNA02E) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 58/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.510	-.064	15.00000	.00000	46.00000	.06638	.12343	.04356	.00933	.06638	.00933	15.39270
47.450	2.461	15.00000	.00000	46.50000	.07641	.12157	.06513	.03126	.06513	.00869	15.38990
47.560	4.971	15.00000	.00000	46.50000	.08770	.12157	.03126	.00869	.06513	.00869	15.39340
47.500	7.465	15.00000	.00000	46.50000	.06513	.12157	.05384	.00869	.06513	.00869	15.39760
47.370	10.020	15.00000	.00000	46.50000	.06513	.12157	.05384	.00869	.06513	.00869	15.39600
47.570	15.055	15.00000	.00000	46.50000	.11028	.12157	.06513	.03126	.05384	.00869	15.39770
	GRADIENT	.00000	.00000	.09942	.00424	-.00037	-.00243	-.00012	-.00025	-.00013	.00019

ARC40X80-462(OA100) OV101 (MNA02F) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6000 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 59/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
45.310	-.054	20.00000	.00000	44.00000	-.04764	-.03571	-.04764	-.08342	-.08342	-.08342	20.65880
47.090	2.461	20.00000	.00000	46.00000	-.04772	-.02490	-.05913	-.10477	-.09336	-.08195	20.65709
47.600	4.971	20.00000	.00000	46.50000	-.05904	-.03519	-.05804	-.08162	-.08162	-.08162	20.65230
47.390	7.480	20.00000	.00000	46.50000	-.05904	-.00260	-.03162	-.10419	-.08162	-.08162	20.65919
47.470	10.020	20.00000	.00000	46.50000	-.05904	-.00260	-.07033	-.09291	-.10419	-.08162	20.65590
47.360	15.010	20.00000	.00000	46.50000	-.05904	-.02518	-.08162	-.08162	-.08162	-.08162	20.65469
	GRADIENT	.00000	.00000	.49689	-.00225	.00209	-.00227	.00035	.00035	.00036	-.00129

ARC40X80-462(OA100) OV101 (MNA02G) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6000 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 70/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
48.060	-.053	.00000	.00000	46.50000	.14414	.14414	.12157	.08770	.16672	.03126	-.34040
47.900	2.441	.00000	.00000	46.00000	.14625	.14625	.12343	.11202	.15766	.03215	-.33890
47.850	4.966	.00000	.00000	46.00000	.14625	.14625	.11202	.07779	.14625	.03215	-.32630
47.690	7.475	.00000	.00000	46.00000	.16907	.14625	.12343	.11202	.16907	.00933	-.30930
47.660	10.000	.00000	.00000	46.00000	.14625	.14625	.12343	.11202	.14625	.00933	-.28860
47.530	15.005	.00000	.00000	46.00000	.14625	.13484	.11202	.08920	.14625	.03215	-.25800
	GRADIENT	.00000	.00000	-.09942	.00042	.00042	-.00191	-.00200	-.00408	.00018	.00281

ARC40X80-462(0A100) 0V101 (MNA02H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 71/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.420	-.063	5.00000	.00000	45.00000	.17392	.18558	.12727	.09228	.17392	.05729	4.84390
47.380	2.456	5.00000	.00000	45.00000	.18558	.18558	.12727	.09228	.17392	.03397	4.85130
47.560	4.986	5.00000	.00000	45.00000	.17392	.18558	.12727	.11560	.17392	.04563	4.86170
47.530	7.476	5.00000	.00000	45.00000	.17392	.18558	.12727	.09229	.17392	.04563	4.87510
47.490	9.986	5.00000	.00000	45.00000	.17392	.19724	.12727	.09229	.16225	.05729	4.89760
47.450	15.020	5.00000	.00000	45.00000	.17392	.18558	.12727	.12727	.18558	.05729	4.93140
	GRADIENT	-.00000	.00000	-.00000	.00000	.00000	-.00000	.00463	.00000	-.00232	.00354

ARC40X80-462(0A100) 0V101 (MNA02I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 72/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.650	-.053	10.00000	.00000	45.00000	.15059	.15059	.08062	.06895	.13893	.05729	10.03710
47.620	2.442	10.00000	.00000	45.00000	.12727	.17392	.11560	.06895	.12727	.03397	10.03800
47.580	5.408	10.00000	.00000	45.50000	.13687	.17147	.11380	.09073	.14840	.05612	10.07030
47.500	7.491	10.00000	.00000	45.00000	.15059	.17392	.11560	.06895	.12727	.03397	10.07050
47.460	10.000	10.00000	.00000	45.00000	.12727	.17392	.08062	.06895	.15059	.04563	10.09890
47.370	15.035	10.00000	.00000	45.00000	.12727	.18558	.11560	.08062	.12727	.03397	10.13050
	GRADIENT	.00000	.00000	.00000	-.00935	.00935	.01403	.00000	-.00467	-.00935	.00036

ARC40X80-462(0A100) 0V101 (MNA02J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 73/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.540	-.053	15.00000	.00000	45.00000	.06895	.09228	.01064	.01064	.05729	-.00102	15.23020
47.580	2.456	15.00000	.00000	45.50000	.05812	.09073	.03305	.00998	.04459	-.02462	15.22850
47.480	4.903	15.00000	.00000	45.00000	.06905	.10394	.01064	-.00102	.03397	-.01268	15.23270
47.420	7.491	15.00000	.00000	45.00000	.06895	.11560	.01064	-.00102	.05729	-.02435	15.26340
47.350	9.970	15.00000	.00000	45.00000	.05729	.12727	.01064	-.00102	.03397	.01064	15.28240
47.430	15.020	15.00000	.00000	45.00000	.05729	.09228	.01064	-.00102	.03397	-.02435	15.33470
	GRADIENT	-.00000	.00000	-.00001	.00000	.00232	-.00000	-.00232	-.00465	-.00232	.00050

ARC40X80-462(0A100) 0V101 (MNA02K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 74/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.470	-.089	20.00000	.00000	45.00000	-.05933	-.04767	-.09432	-.10598	-.08266	-.08266	20.48309
47.470	2.456	20.00000	.00000	45.00000	-.08266	-.05933	-.08266	-.10598	-.09432	-.08266	20.48579
47.410	4.981	20.00000	.00000	45.00000	-.08266	-.00102	-.08266	-.10598	-.08266	-.08266	20.48569
47.390	7.461	20.00000	.00000	45.00000	-.04767	-.02435	-.08266	-.10598	-.08266	-.09432	20.48810
47.330	9.986	20.00000	.00000	45.00000	-.05933	-.02435	-.10598	-.10598	-.08266	-.09432	20.49449
47.780	15.020	20.00000	.00000	45.50000	-.07076	-.04769	-.08230	-.10537	-.08230	-.10537	20.56299
	GRADIENT	-.00000	.00000	.00000	-.00462	.00924	.00231	.00000	.00000	.00000	.00051

ARC40X80-462(0A100) 0V101 (MNA02L) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 60/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.680	.000	.00000	5.00000	46.50000	.29089	.26931	.25702	.20058	.25702	.12157	-.04990
47.880	2.524	.00000	5.00000	46.50000	.29089	.26831	.24574	.21187	.27960	.12157	-.05140
47.850	5.005	.00000	5.00000	46.50000	.29089	.26931	.25702	.21187	.26831	.12157	-.05250
47.800	7.514	.00000	5.00000	46.50000	.29089	.26931	.26831	.21187	.26831	.12157	-.05330
47.730	10.024	.00000	5.00000	46.50000	.29089	.26831	.25702	.21187	.26831	.12157	-.05380
47.790	15.088	.00000	5.00000	46.50000	.29089	.26831	.25702	.21187	.26931	.12157	-.05320
	GRADIENT	.00000	.00000	.00000	.00000	.00000	-.00447	.00447	.00894	.00000	-.00059

ARC40X80-462(0A100) 0V101 (MNA02M) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 61/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.920	.000	5.00000	5.00000	46.50000	.31347	.32475	.25702	.21187	.29089	.14414	5.14540
47.840	2.510	5.00000	5.00000	46.50000	.29089	.32475	.25702	.22316	.29089	.15543	5.14770
47.740	4.990	5.00000	5.00000	46.50000	.29089	.31347	.23445	.21187	.26831	.14414	5.14580
47.700	7.514	5.00000	5.00000	46.50000	.29089	.32475	.26831	.23445	.29089	.14414	5.14660
47.820	10.009	5.00000	5.00000	46.50000	.29089	.32475	.25702	.21187	.27960	.13286	5.14540
47.620	15.058	5.00000	5.00000	46.50000	.29089	.31347	.26831	.23445	.29089	.15543	5.14370
	GRADIENT	-.00000	-.00000	-.00000	-.00453	-.00226	-.00452	.00001	-.00452	.00001	.00008

ARC40X80-462(0A100) 0V101 (MNA02N) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 BETA = 5.000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 62/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.830	.000	10.00000	5.00000	46.50000	.26831	.31347	.20058	.17801	.26831	.12157	10.34720
47.820	2.495	10.00000	5.00000	46.50000	.25702	.31347	.20058	.17801	.25702	.14414	10.34480
47.780	5.005	10.00000	5.00000	46.50000	.26831	.29089	.20058	.18930	.26831	.14414	10.34240
47.670	7.499	10.00000	5.00000	46.50000	.29089	.32475	.20058	.17801	.26831	.14414	10.34300
47.670	10.024	10.00000	5.00000	46.50000	.27960	.31347	.21187	.21187	.26831	.12157	10.34630
47.800	15.088	10.00000	5.00000	46.50000	.26831	.32475	.21187	.20058	.25702	.14414	10.34780
	GRADIENT	.00000	.00000	.00000	-.00452	.00000	.00000	.00000	-.00452	.00905	-.00096

ARC40X80-462(0A100) 0V101 (MNA020) (16 MAR 82)

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 = .3500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 5.000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 63/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.700	.000	15.00000	5.00000	46.50000	.17801	.23445	.12157	.12157	.17801	.08770	15.55740
47.800	2.524	15.00000	5.00000	46.50000	.18930	.24574	.12157	.11028	.15543	.08770	15.55920
47.750	5.005	15.00000	5.00000	46.50000	.17801	.23445	.12157	.12157	.15543	.09899	15.55860
47.700	7.499	15.00000	5.00000	46.50000	.17801	.24574	.12157	.12157	.15543	.09899	15.55630
47.770	10.024	15.00000	5.00000	46.50000	.17801	.23445	.12157	.12157	.18930	.08770	15.56090
47.900	15.058	15.00000	5.00000	46.50000	.20058	.25702	.14414	.12157	.16672	.08770	15.55880
	GRADIENT	.00000	.00000	.00000	.00447	.00447	.00000	-.00447	-.00894	.00000	.00071

ARC40X80-462(0A100) OV101 (MNA02P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 64/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.710	.000	20.00000	5.00000	46.50000	.06513	.12157	-.01389	-.01389	.04255	-.01389	20.81099
48.030	2.524	20.00000	5.00000	46.50000	.05384	.09093	.00869	.00869	.06513	-.01389	20.81099
47.850	5.020	20.00000	5.00000	46.50000	.06513	.14414	-.01389	-.01389	.04255	.00869	20.81439
47.840	7.499	20.00000	5.00000	46.50000	.06513	.15543	-.01389	.00869	.00869	.00869	20.81369
47.810	10.009	20.00000	5.00000	46.00000	.00038	.12343	-.01349	-.00208	.04356	-.01349	20.81110
47.700	15.073	20.00000	5.00000	46.50000	.06513	.09770	-.01389	.01997	.08770	.00869	20.80440
	GRADIENT	.00000	.00000	.00000	-.00447	-.00894	.00894	.00894	.00894	.00000	.00000

ARC40X80-462(0A100) OV101 (MNA02Q) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 65/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.570	.035	.00000	5.00000	46.00000	.29458	.27176	.23753	.20330	.26035	.11202	.09770
47.800	2.559	.00000	5.00000	46.50000	.29089	.26831	.23445	.20058	.25702	.09899	.09610
47.770	5.068	.00000	5.00000	46.50000	.29089	.25702	.25702	.21187	.26831	.12157	.09620
47.740	7.533	.00000	5.00000	46.00000	.29458	.27176	.26035	.20330	.27176	.11202	.09890
47.730	10.043	.00000	5.00000	46.00000	.29458	.27176	.26035	.21471	.27176	.12343	.09560
47.770	12.896	.00000	5.00000	46.00000	.28317	.26035	.23753	.21471	.27176	.12343	.08890
	GRADIENT	.00000	.00000	.19811	-.00146	-.00137	-.00122	-.00108	-.00132	-.00516	-.00063

ARC40X80-462(OA100) OV101 (MNA02R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 66/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.850	.049	5.00000	5.00000	46.50000	.29089	.31347	.23445	.21187	.26831	.14414	5.29310
47.690	2.559	5.00000	5.00000	46.50000	.29089	.29089	.23445	.21187	.26831	.14414	5.29330
47.780	5.024	5.00000	5.00000	46.50000	.29089	.29089	.24574	.21187	.26831	.12157	5.29510
47.750	7.518	5.00000	5.00000	46.00000	.27176	.29458	.23753	.21471	.27176	.14625	5.29330
47.710	10.043	5.00000	5.00000	46.00000	.29458	.31741	.26035	.21471	.27176	.12343	5.29450
47.610	12.895	5.00000	5.00000	46.00000	.29458	.31741	.26035	.21471	.29458	.14625	5.29640
	GRADIENT	.00000	.00000	-.00000	.00000	-.00000	.00000	-.00000	-.00000	.00000	.00008

ARC40X80-462(OA100) OV101 (MNA02S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 67/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.830	.049	10.00000	5.00000	46.00000	.27176	.29458	.20330	.18048	.24894	.12343	10.49490
47.440	2.559	10.00000	5.00000	45.50000	.26375	.29835	.18300	.18300	.26375	.12533	10.49380
47.780	5.068	10.00000	5.00000	46.00000	.26035	.31741	.18048	.18048	.23753	.14625	10.49550
47.740	7.578	10.00000	5.00000	46.00000	.26035	.29458	.20330	.18048	.27176	.12343	10.49660
47.710	10.043	10.00000	5.00000	46.00000	.27176	.29458	.20330	.20330	.27176	.14625	10.49480
47.810	12.895	10.00000	5.00000	46.50000	.26831	.29089	.19930	.17801	.26831	.12157	10.49630
	GRADIENT	.00000	.00000	-.19926	-.00319	.00150	-.00809	.00101	.00590	.00076	-.00044

ARC40X80-462(OA100) OV101 (MNA02T) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	15.000	BETA =	5.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	10.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 68/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.580	.049	15.00000	5.00000	46.00000	.20330	.23753	.12343	.10061	.15766	.08920	15.70980
47.690	2.543	15.00000	5.00000	46.00000	.19189	.23753	.10061	.10061	.15766	.08920	15.71140
47.710	5.038	15.00000	5.00000	46.00000	.18048	.23753	.14625	.12343	.15766	.08920	15.71090
47.740	7.534	15.00000	5.00000	46.00000	.19189	.23753	.10061	.12343	.16907	.08920	15.71150
47.700	10.058	15.00000	5.00000	46.50000	.18930	.22315	.12157	.12157	.15543	.09899	15.71250
47.800	12.896	15.00000	5.00000	46.50000	.15543	.23445	.11028	.12157	.15543	.09899	15.70700
	GRADIENT	.00000	.00000	.00000	-.00457	-.00000	-.00915	-.00000	.00000	-.00000	.00064

ARC40X80-462(OA100) OV101 (MNA02U) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	20.000	BETA =	5.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	10.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 69/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.550	.064	20.00000	5.00000	46.00000	.04356	.03920	-.01349	-.01349	.02074	-.01349	20.96309
47.680	2.559	20.00000	5.00000	46.50000	.04255	.06513	-.01389	-.01389	.04255	-.01389	20.96489
47.610	5.054	20.00000	5.00000	46.50000	.08770	.14414	.00869	-.01389	.03126	-.03647	20.95999
47.460	7.534	20.00000	5.00000	45.00000	.06895	.09223	-.01268	-.01268	.01064	-.02435	20.96559
47.300	10.058	20.00000	5.00000	46.00000	.04356	.10061	-.01349	-.01349	.03215	-.02490	20.95909
47.320	12.896	20.00000	5.00000	45.50000	.06786	.12533	-.02462	-.02462	.03305	-.01309	20.94559
	GRADIENT	.00000	.00000	.20047	-.00040	-.00955	-.00016	-.00016	.00875	-.00016	.00072

ARC40X80-462(0A100) 0V101 (MNA02V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 75/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.400	.000	.00000	10.00000	46.00000	.44292	.38587	.38587	.36305	.40869	.24894	-.04110
47.360	2.524	.00000	10.00000	46.00000	.44292	.38587	.38587	.36305	.38587	.24894	-.04090
47.470	5.005	.00000	10.00000	46.00000	.44292	.38587	.38587	.38587	.38587	.27176	-.03870
47.420	7.514	.00000	10.00000	46.00000	.44292	.38587	.38587	.36305	.38587	.24894	-.03860
47.490	10.009	.00000	10.00000	46.00000	.44292	.38587	.38587	.36305	.38587	.23753	-.03640
47.380	15.058	.00000	10.00000	46.00000	.45433	.38587	.38587	.36305	.38587	.23753	-.03750
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00904	.00000	.00008

ARC40X80-462(0A100) 0V101 (MNA02W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 76/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.750	.000	5.00000	10.00000	46.00000	.46574	.46574	.39587	.36305	.42010	.27176	5.14960
47.750	2.509	5.00000	10.00000	46.00000	.46574	.46574	.38587	.36305	.42010	.27176	5.15250
47.660	4.990	5.00000	10.00000	46.00000	.45433	.45433	.38587	.37446	.42010	.27176	5.15210
47.580	7.514	5.00000	10.00000	46.00000	.46574	.46574	.38587	.37446	.42010	.27176	5.15420
47.440	10.024	5.00000	10.00000	46.00000	.45433	.45433	.38587	.36305	.42010	.27176	5.15550
47.440	15.058	5.00000	10.00000	46.00000	.45433	.45433	.38587	.38587	.39728	.28317	5.15870
	GRADIENT	.00000	.00000	-.00000	-.00228	-.00228	.00000	.00228	.00000	-.00000	.00050

ARC40X80-462(OA100) OV101 (MNA02X) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 BETA = 10.000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 77/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.680	.000	10.00000	10.00000	46.00000	.44292	.47715	.34022	.35164	.42010	.27176	10.35210
47.630	2.509	10.00000	10.00000	46.50000	.41506	.47150	.35862	.35862	.41506	.30219	10.35130
47.600	5.019	10.00000	10.00000	46.00000	.42010	.47715	.32081	.36305	.42010	.24894	10.34970
47.450	7.529	10.00000	10.00000	46.00000	.42010	.47715	.32881	.35164	.42010	.27176	10.35210
47.390	10.024	10.00000	10.00000	46.00000	.43151	.47715	.32881	.32881	.40869	.27176	10.35430
47.370	15.058	10.00000	10.00000	46.00000	.44292	.47715	.32881	.32881	.40869	.30599	10.35380
	GRADIENT	.00000	.00000	.19926	-.01110	-.00225	.00733	.00278	-.00201	.01212	-.00032

ARC40X80-462(OA100) OV101 (MNA02Y) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 15.000 BETA = 10.000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 78/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.490	.000	15.00000	10.00000	46.50000	.34733	.43784	.24574	.25702	.31347	.23445	15.57450
47.420	2.481	15.00000	10.00000	46.00000	.35164	.44292	.24894	.26035	.32881	.23753	15.57630
47.490	5.005	15.00000	10.00000	46.00000	.35164	.40869	.24894	.26035	.34022	.23753	15.57790
47.420	7.514	15.00000	10.00000	47.50000	.35003	.40529	.29477	.26162	.32793	.21741	15.57640
47.270	10.024	15.00000	10.00000	45.00000	.34885	.43049	.27888	.26722	.32553	.24389	15.57920
47.500	15.068	15.00000	10.00000	46.00000	.32981	.42010	.24894	.28317	.34022	.22612	15.58190
	GRADIENT	.00000	.00000	-.20154	.00174	.00213	.00129	.00134	.00619	.00124	.00073

ARC40X80-462(OA100) OV101 (MNA02Z) (16 MAR 82)

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 =	.3600			

PARAMETRIC DATA

ALPHA =	20.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 79/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.610	.000	20.00000	10.00000	46.00000	.24894	.32831	.15766	.18048	.23753	.14625	20.82259
47.510	2.510	20.00000	10.00000	46.00000	.23753	.32081	.12343	.15766	.20330	.12343	20.82199
47.470	5.020	20.00000	10.00000	46.00000	.24894	.35164	.12343	.14625	.22612	.12343	20.82559
47.420	7.514	20.00000	10.00000	46.00000	.24894	.30599	.12343	.14625	.20330	.11202	20.82520
47.380	10.009	20.00000	10.00000	47.00000	.20309	.32077	.11974	.14208	.19792	.10857	20.82790
47.730	15.073	20.00000	10.00000	46.00000	.24894	.32681	.13484	.19189	.22612	.14625	20.82548
	GRADIENT	.00000	.00000	.00000	-.00455	.00000	-.01364	-.00909	-.01364	-.00909	-.00024

ARC40X80-462(OA100) OV101 (MNA03A) (16 MAR 82)

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 =	.3600			

PARAMETRIC DATA

ALPHA =	.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 80/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.370	.035	.00000	10.00000	46.00000	.45433	.42010	.40869	.35164	.39728	.23753	.10890
47.290	2.559	.00000	10.00000	46.00000	.44292	.39728	.38587	.34022	.37446	.23753	.10520
47.470	5.053	.00000	10.00000	46.00000	.45433	.38587	.38587	.35164	.37446	.23753	.10540
47.510	7.533	.00000	10.00000	46.00000	.46574	.42010	.40869	.35164	.39728	.23753	.10220
47.370	10.058	.00000	10.00000	46.00000	.44292	.38587	.38587	.34022	.37446	.23753	.10200
47.570	12.896	.00000	10.00000	46.50000	.46021	.40377	.40377	.34733	.39248	.23445	.09530
	GRADIENT	.00000	.00000	-.00000	-.00452	-.00904	-.00904	-.00452	-.00904	-.00000	-.00147

ARC40X80-462(0A100) OV101 (MNA038) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 81/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.580	.010	5.00000	10.00000	46.00000	.47715	.47715	.38587	.37446	.43151	.28317	5.30290
47.460	2.529	5.00000	10.00000	46.00000	.47715	.46574	.38587	.37446	.40869	.26035	5.29670
47.450	5.054	5.00000	10.00000	46.00000	.45433	.45433	.38587	.35164	.40869	.26035	5.29710
47.340	7.548	5.00000	10.00000	46.00000	.46574	.46574	.38587	.37446	.43151	.26035	5.29960
47.720	10.043	5.00000	10.00000	46.00000	.45433	.45433	.38587	.37446	.43151	.26035	5.30020
47.370	12.896	5.00000	10.00000	46.00000	.47715	.47715	.38587	.35164	.43151	.26035	5.30320
	GRADIENT	.00000	.00000	.00000	.00000	-.00453	-.00000	.00000	-.00906	-.00906	-.00246

ARC40X80-462(0A100) OV101 (MNA03C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 82/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.560	.084	10.00000	10.00000	46.00000	.42010	.47715	.32881	.34022	.40869	.26035	10.50020
47.530	2.543	10.00000	10.00000	46.00000	.42010	.47715	.32881	.34022	.40869	.26035	10.49990
47.500	5.053	10.00000	10.00000	46.00000	.42010	.47715	.34022	.31741	.39728	.26035	10.50610
47.540	7.563	10.00000	10.00000	46.00000	.42010	.47715	.32881	.34022	.40869	.26035	10.50840
47.370	10.043	10.00000	10.00000	46.00000	.42010	.47715	.34022	.34022	.40869	.26035	10.50960
47.080	12.896	10.00000	10.00000	46.00000	.42010	.47715	.32881	.34022	.39728	.26035	10.51190
	GRADIENT	.00000	.00000	-.00000	-.00000	-.00000	-.00000	-.00000	.00000	-.00000	-.00012

ARC40X80-462(OA100) (MNA03D) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6000 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 83/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.350	.049	15.00000	10.00000	46.00000	.34022	.42010	.24894	.26035	.34022	.22612	15.73260
47.310	2.543	15.00000	10.00000	46.00000	.35164	.42010	.24894	.26035	.34022	.22612	15.73400
47.290	5.039	15.00000	10.00000	46.00000	.36305	.42010	.24894	.27176	.31741	.21471	15.73590
47.380	7.549	15.00000	10.00000	46.00000	.36305	.42010	.27176	.26035	.34022	.23753	15.73080
47.350	10.028	15.00000	10.00000	46.00000	.36305	.42010	.24894	.27176	.34022	.22612	15.73340
47.360	12.896	15.00000	10.00000	46.00000	.36305	.42010	.24894	.24894	.31741	.22612	15.73140
	GRADIENT	-.00000	.00000	.00000	.00458	.00000	-.00000	-.00000	-.00000	.00000	.00056

ARC40X80-462(OA100) OV101 (MNA03E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 84/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.920	.035	20.00000	10.00000	47.50000	.21741	.27267	.10689	.16215	.21741	.11794	20.98369
47.790	2.559	20.00000	10.00000	47.50000	.19530	.28372	.12939	.17320	.21741	.11794	20.98430
47.750	5.038	20.00000	10.00000	47.50000	.22646	.30502	.11794	.11794	.18425	.09584	20.98329
47.640	7.548	20.00000	10.00000	46.50000	.20058	.26831	.12157	.15543	.22316	.12157	20.98200
47.520	10.058	20.00000	10.00000	47.50000	.21741	.31687	.16215	.15110	.20636	.11794	20.97629
47.560	12.896	20.00000	10.00000	47.50000	.20636	.28372	.16215	.17320	.21741	.09584	20.97119
	GRADIENT	.00000	.00000	-.00000	-.00876	.00438	.00876	.00438	-.00000	.00000	.00084

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (MNA03R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 101/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.490	-5.240	-5.00000	.00000	46.00000	.11202	.06638	.08920	.05497	.10061	-.00208
47.690	-2.649	-2.50000	.00000	46.00000	.14625	.11202	.11202	.08920	.14625	.00933
47.600	-.056	.00000	.00000	46.00000	.16907	.14625	.12343	.11202	.14625	.05497
47.720	2.541	2.50000	.00000	46.00000	.18048	.18048	.14625	.11202	.14625	.04356
47.640	5.139	5.00000	.00000	46.00000	.14625	.18048	.12343	.11202	.16907	.05497
47.850	7.739	7.50000	.00000	46.00000	.16907	.20330	.11202	.11202	.16907	.05497
47.600	10.342	10.00000	.00000	46.00000	.12343	.14625	.11202	.07779	.10061	.05497
47.730	12.941	12.50000	.00000	46.00000	.08920	.11202	.06638	.05497	.08920	.00933
47.580	15.556	15.00000	.00000	46.00000	.02074	.05497	.00933	.00933	.00933	.00933
47.500	18.180	17.50000	.00000	46.00000	-.04772	-.03531	-.04772	-.08195	-.05913	-.05913
47.570	20.826	20.00000	.00000	46.00000	-.13900	-.13900	-.13900	-.13900	-.13900	-.13900
46.010	26.006	25.00000	.00000	44.50000	-.28351	-.25992	-.28351	-.29530	-.35427	-.23634
	GRADIENT	.96343	.00000	.00000	.00559	.01319	.00660	.00440	-.00000	.00559

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (MNA03S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 102/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.510	-13.000	.00000	-.03430	46.00000	-.19606	-.18465	-.18465	-.20747	-.13900	-.19606
47.670	-10.000	.00000	-.03790	46.00000	-.10477	-.10477	-.11618	-.13900	-.10477	-.17323
47.510	-5.000	.00000	-.04830	46.50000	.00869	.03126	.00869	-.02518	.03126	-.05904
47.630	-2.000	.00000	-.05370	46.50000	.12157	.09899	.08770	.05384	.11028	-.02518
47.730	.000	.00000	-.05820	47.00000	.16441	.16441	.14208	.11974	.17558	.03039
47.580	2.000	.00000	-.05560	46.50000	.22316	.22316	.20058	.14414	.22316	.06513
47.730	5.000	.00000	-.05050	47.00000	.28727	.25376	.25376	.23143	.27610	.14208
47.630	10.000	.00000	-.04280	46.50000	.42635	.36991	.36991	.34733	.36991	.23445
47.590	15.000	.00000	-.03150	46.00000	.57934	.52279	.52279	.48856	.48856	.35164
47.660	20.000	.00000	-.02170	47.00000	.67817	.55532	.62233	.53882	.59999	.47713
	GRADIENT	.00000	-.00026	.04310	.02752	.02346	.02502	.02523	.02500	.02045

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (MNA03T) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 103/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.560	-13.000	5.00000	5.15850	46.50000	-.19450	-.17192	-.17192	-.21708	-.17192	-.19450
47.650	-10.000	5.00000	5.15620	46.00000	-.10477	-.10477	-.10477	-.13900	-.08195	-.13900
47.600	-5.000	5.00000	5.14610	47.00000	.00805	.03039	-.01429	-.00312	.03039	-.04779
47.660	-2.000	5.00000	5.13850	47.00000	.10857	.13091	.08523	.06389	.10857	.00805
47.650	.000	5.00000	5.14090	46.00000	.16048	.21471	.16907	.06638	.18048	.05497
47.620	2.000	5.00000	5.13740	46.50000	.23445	.23445	.17801	.17801	.22316	.14414
47.710	5.000	5.00000	5.14340	47.00000	.30961	.30961	.23143	.23143	.28727	.16441
47.750	10.000	5.00000	5.14340	47.00000	.44363	.44363	.36545	.34311	.39885	.27610
47.650	15.000	5.00000	5.15490	47.00000	.56649	.56649	.49947	.49947	.53238	.37662
47.600	20.000	5.00000	5.14970	46.50000	.69726	.69597	.61825	.61825	.65211	.51665
	GRADIENT	.00000	-.00031	-.01724	.03034	.02764	.02435	.02415	.02610	.02299

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (MNA03U) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 104/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.610	-13.000	10.00000	10.35520	47.00000	-.24883	-.24883	-.21532	-.24883	-.22649	-.21532
47.590	-10.000	10.00000	10.35530	46.50000	-.16064	-.17192	-.14935	-.19450	-.16064	-.16064
47.560	-5.000	10.00000	10.34610	46.00000	-.02490	.00933	-.02490	-.04772	-.01349	-.04772
47.520	-2.000	10.00000	10.34310	46.00000	.06638	.08920	.03215	.00933	.06638	-.01349
47.450	.000	10.00000	10.34350	46.00000	.11202	.18048	.12343	.07779	.13484	.05497
47.610	2.000	10.00000	10.34430	47.50000	.19530	.21741	.11794	.11794	.18425	.08479
47.660	5.000	10.00000	10.34630	47.50000	.27267	.30582	.20636	.19530	.25056	.19530
47.470	10.000	10.00000	10.35090	46.50000	.40377	.45021	.33604	.33604	.40377	.27960
47.800	15.000	10.00000	10.35330	46.50000	.53923	.59567	.46021	.48279	.53923	.39248
47.630	20.000	10.00000	10.34310	46.50000	.69597	.73113	.56181	.59567	.66340	.51665
	GRADIENT	.00000	.00006	.18103	.03010	.02998	.02289	.02470	.02683	.02434

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (MNA03V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 105/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.610	-13.000	15.00000	15.57470	46.00000	-.33298	-.36721	-.25311	-.33298	-.35580	-.27593
47.680	-10.000	15.00000	15.58040	46.50000	-.25094	-.27352	-.21708	-.26223	-.27352	-.21708
47.610	-5.000	15.00000	15.55980	46.50000	-.10419	-.08162	-.08162	-.13806	-.11548	-.10419
47.520	-2.000	15.00000	15.55960	46.50000	-.00260	.05394	-.01369	-.04775	-.02518	-.04775
47.510	.000	15.00000	15.55690	46.00000	.03215	.08020	.00933	-.00208	.03215	.00933
47.690	2.000	15.00000	15.55470	47.00000	.08523	.14208	.08623	.05273	.08623	.05273
47.650	5.000	15.00000	15.55750	46.50000	.18930	.25702	.14414	.14414	.17801	.11028
47.640	10.000	15.00000	15.57710	47.00000	.34311	.39895	.23143	.25376	.33194	.23143
47.540	15.000	15.00000	15.58260	46.00000	.48856	.57934	.35164	.40869	.51138	.37446
47.330	20.000	15.00000	15.55830	46.00000	.62548	.71676	.48574	.54561	.62548	.48856
	GRADIENT	.00000	-.00023	.01724	.02836	.03224	.02291	.02779	.02914	.02195

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (MNA03W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 106/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.510	-13.000	20.00000	20.83679	46.00000	-.45849	-.53836	-.36721	-.44708	-.50413	-.36721
47.660	-10.000	20.00000	20.83179	46.50000	-.38640	-.44284	-.29509	-.36382	-.42026	-.30738
47.540	-5.000	20.00000	20.81670	46.00000	-.25311	-.25311	-.21888	-.25311	-.28734	-.20747
47.630	-2.000	20.00000	20.82199	47.00000	-.14831	-.13714	-.13714	-.15948	-.17065	-.13714
47.540	.000	20.00000	20.82419	46.00000	-.08185	-.05913	-.10477	-.11618	-.05913	-.08195
47.670	2.000	20.00000	20.81960	47.00000	-.02545	.04156	-.04779	-.05895	-.04779	-.04779
47.760	5.000	20.00000	20.80379	47.00000	.06339	.10857	.00805	.03039	.08623	.03039
47.800	10.000	20.00000	20.82329	47.00000	.22026	.30951	.10857	.17558	.23143	.13091
47.650	15.000	20.00000	20.82309	46.50000	.36991	.48279	.23445	.29089	.39248	.29089
47.520	20.000	20.00000	20.80010	46.00000	.56843	.68253	.31741	.42010	.53420	.42010
	GRADIENT	.00000	-.00120	.08621	.03156	.03734	.02264	.02791	.03644	.02359

ARC40X80-462(OA100) OV101 (MNA03X) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000

RUN NO. 88/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.710	-.075	.00000	.00000	46.50000	.16572	.12157	.09899	.08770	.16672	.00869
47.670	10.320	10.00000	.00000	47.50000	.11794	.14005	.07374	.08479	.14005	.02953
47.790	15.535	15.00000	.00000	47.00000	.03039	.06333	.00805	-.00312	.03039	-.02545
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (MNA03Y) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -15.000

RUN NO. 89/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.690	-.072	.00000	.00000	46.50000	.16672	.14414	.09899	.08770	.16672	.00869
47.740	10.326	10.00000	.00000	46.50000	.13286	.13286	.06513	.06513	.12157	.00869
47.760	15.535	15.00000	.00000	46.50000	.07641	.06513	-.01389	-.00260	.03126	-.04775
47.760	20.801	20.00000	.00000	46.50000	-.08162	-.04775	-.10419	-.10419	-.11548	-.12677
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (MNA03Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 90/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.790	-.073	.00000	.00000	46.50000	.16672	.14414	.09899	.08770	.14414	.00869
47.600	5.118	5.00000	.00000	46.00000	.15048	.15766	.10061	.11202	.16907	.04356
47.860	10.323	10.00000	.00000	46.00000	.12343	.12343	.06638	.07779	.12343	.00933
47.710	15.537	15.00000	.00000	47.50000	.06268	.06268	.00743	.02953	.06268	-.02573
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (MNA04A) (16 MAR 32)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 91/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.650	-.074	.00000	.00000	45.50000	.15993	.12533	.10226	.09073	.14840	.00998
47.790	5.119	5.00000	.00000	46.50000	.16672	.14414	.09899	.08770	.16672	.03126
47.710	10.321	10.00000	.00000	46.00000	.12343	.14625	.07779	.06638	.13484	.03215
47.710	15.535	15.00000	.00000	46.00000	.06638	.07779	-.01349	.00933	.03215	-.02490
47.720	20.804	20.00000	.00000	46.50000	-.07033	-.08162	-.10419	-.10419	-.10419	-.12677
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (MNA04B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	10.000

RUN NO. 92/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.670	-.074	.00000	.00000	46.00000	.16807	.12343	.11202	.11202	.15766	.00933
47.690	5.119	5.00000	.00000	45.00000	.17392	.16225	.10394	.10394	.17392	.03397
47.570	10.324	10.00000	.00000	46.00000	.14625	.14625	.08920	.06638	.14625	.03215
47.720	15.537	15.00000	.00000	45.50000	.06766	.09073	-.01309	.00998	.03305	-.03616
47.780	20.801	20.00000	.00000	46.00000	-.08195	-.07054	-.10477	-.08195	-.10477	-.12759
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (MNA04C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	15.000

RUN NO. 93/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.680	-.073	.00000	.00000	45.00000	.17392	.13893	.10394	.09228	.15059	.01064
47.710	5.118	5.00000	.00000	46.00000	.18048	.16048	.12343	.11202	.18048	.03215
47.630	10.324	10.00000	.00000	45.50000	.14840	.13687	.06766	.09073	.14840	.03305
47.710	15.539	15.00000	.00000	45.50000	.05612	.11380	.00998	-.01309	.03305	-.01309
47.670	20.802	20.00000	.00000	46.00000	-.05913	-.07054	-.10477	-.11618	-.08195	-.12759
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (MNA04D) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	48.000	RUDDER =	19.500

RUN NO. 94/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.870	-.072	.00000	.00000	45.00000	.17392	.12727	.10394	.12727	.17392	.01064
47.720	5.119	5.00000	.00000	45.50000	.17147	.15393	.11380	.09073	.17147	.03305
47.720	10.322	10.00000	.00000	46.00000	.14625	.12343	.08920	.08920	.11202	.04356
47.720	15.534	15.00000	.00000	46.00000	.03215	.04356	.00933	-.00208	.03215	-.04772
47.660	20.804	20.00000	.00000	45.00000	-.08266	-.04767	-.11765	-.10598	-.10598	-.12931
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (MNA04E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 95/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.660	-.070	.00000	5.00000	46.00000	.29458	.27178	.26035	.22612	.28317	.14625
47.740	5.125	5.00000	5.00000	46.00000	.31741	.31741	.24894	.22612	.29458	.14625
47.800	10.327	10.00000	5.00000	46.00000	.28317	.31741	.23753	.20330	.26035	.14625
47.730	15.538	15.00000	5.00000	46.00000	.22612	.24894	.12343	.12343	.20330	.08920
47.720	20.789	20.00000	5.00000	46.00000	.06638	.14625	.00933	.00933	.06638	.00933
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (MNA04F) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = 5.000

RUN NO. 96/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.710	-.070	.00000	5.00000	46.00000	.29458	.26035	.26035	.22612	.27176	.11202
47.690	5.123	5.00000	5.00000	46.00000	.31741	.31741	.26035	.22612	.28317	.14625
47.710	10.328	10.00000	5.00000	46.00000	.28317	.31741	.23753	.20330	.26035	.14625
47.530	20.730	20.00000	5.00000	46.00000	.10061	.14625	.00933	.00933	.06638	.00933
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (MNA04G) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = 10.000

RUN NO. 97/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.610	-.071	.00000	5.00000	46.00000	.29458	.26035	.24894	.21471	.26035	.12343
47.710	5.122	5.00000	5.00000	46.00000	.30389	.31741	.24894	.23753	.28317	.14625
47.700	10.324	10.00000	5.00000	46.00000	.28035	.31741	.23753	.20330	.26035	.16907
47.650	15.535	15.00000	5.00000	46.00000	.20330	.23753	.14625	.12343	.19189	.08920
47.590	20.784	20.00000	5.00000	46.00000	.06638	.11202	.00933	.04356	.06638	.00933
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (MNA04H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	15.000

RUN NO. 98/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.610	-.072	.00000	5.00000	46.00000	.29458	.26035	.23753	.20330	.27176	.12343
47.660	5.123	5.00000	5.00000	46.00000	.29458	.31741	.23753	.20330	.29458	.14625
47.620	10.325	10.00000	5.00000	46.00000	.26035	.31741	.23753	.20330	.28317	.14625
47.620	15.537	15.00000	5.00000	46.00000	.20330	.23753	.12343	.14625	.20330	.11202
47.590	20.783	20.00000	5.00000	46.00000	.06638	.14625	.00933	.05497	.07779	-.00208
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (MNA04I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	48.000	RUDDER =	19.500

RUN NO. 99/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.690	-.073	.00000	5.00000	46.00000	.29458	.26035	.26035	.22612	.28317	.12343
47.690	5.122	5.00000	5.00000	46.00000	.29458	.31741	.23753	.22612	.29458	.14625
47.750	10.321	10.00000	5.00000	46.00000	.28317	.31741	.21471	.19189	.26035	.14625
47.610	15.534	15.00000	5.00000	46.00000	.18048	.23753	.12343	.14625	.19189	.11202
47.600	20.780	20.00000	5.00000	46.00000	.06638	.14625	.00933	-.00208	.05497	.00933
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (MNA04J) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6200 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-22.500

RUN NO. 86/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.740	-.054	.00000	.00000	47.50000	.17320	.15110	.11794	.08479	.15110	.00743
47.630	5.131	5.00000	.00000	47.00000	.18675	.17558	.14208	.08823	.16441	.03039
47.780	10.334	10.00000	.00000	47.50000	.11794	.15110	.05269	.06268	.12099	.02953
47.680	15.544	15.00000	.00000	47.50000	.04058	.05288	-.01468	-.02573	.02953	-.04783
47.710	20.747	20.00000	.00000	47.50000	-.08029	-.08099	-.10309	-.09204	-.08099	-.12520
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (MNA04K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-15.000

RUN NO. 87/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.720	-.058	.00000	.00000	47.50000	.16215	.14005	.10689	.08479	.16215	.00743
47.690	5.133	5.00000	.00000	46.50000	.16672	.15543	.12157	.11028	.17601	.03126
47.830	10.338	10.00000	.00000	46.50000	.12157	.14414	.06513	.06513	.13286	-.01389
47.590	15.548	15.00000	.00000	47.00000	.03039	.06389	-.01429	-.00312	.03039	-.04779
47.630	20.754	20.00000	.00000	47.00000	-.04779	-.07013	-.12597	-.08130	-.08130	-.10364
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (MNA04L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	20.000	RUDDER =	3.000

RUN NO. 108/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.700	-.058	.00000	.00000	47.50000	.12899	.14005	.11794	.09584	.11794	.04058
47.560	5.139	5.00000	.00000	47.50000	.12899	.15110	.11794	.09584	.14005	.04058
47.530	10.342	10.00000	.00000	47.00000	.07506	.11974	.08623	.04156	.09740	.04156
47.540	15.549	15.00000	.00000	46.50000	.00869	.04265	.00869	-.01389	.03126	.00869
47.590	20.797	20.00000	.00000	48.50000	-.09123	-.06958	-.10205	-.12370	-.12370	-.10205
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (MNA04M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	20.000	RUDDER =	3.000

RUN NO. 109/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.500	-.051	.00000	5.00000	46.50000	.29089	.27960	.26831	.22316	.26831	.13286
47.670	5.143	5.00000	5.00000	47.00000	.26493	.30961	.26493	.23143	.28727	.15324
47.630	10.340	10.00000	5.00000	46.50000	.23445	.29089	.21187	.20058	.25702	.14414
47.390	15.550	15.00000	5.00000	47.50000	.15110	.22846	.09584	.11794	.16215	.09584
47.870	20.795	20.00000	5.00000	47.50000	.06268	.09584	.00743	.00743	.06268	.00743
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (MNA04N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	36.500	RUDDER =	-5.500

RUN NO. 110/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.530	-.041	.00000	10.00000	46.50000	.42635	.40377	.40377	.36991	.40377	.25702
47.710	5.146	5.00000	10.00000	47.00000	.42129	.44363	.37662	.36545	.42129	.26493
47.580	10.344	10.00000	10.00000	46.50000	.39248	.46021	.32475	.32475	.40377	.26831
47.720	15.577	15.00000	10.00000	47.50000	.31687	.39424	.25056	.26162	.30582	.20636
47.750	20.818	20.00000	10.00000	47.50000	.18425	.26162	.08479	.15110	.19530	.14005
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (MNA040) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 111/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.460	-.059	.00000	.00000	46.00000	.16907	.14625	.12343	.11202	.16907	.00933
47.410	5.135	5.00000	.00000	46.00000	.14625	.14625	.12343	.08920	.14625	.05497
47.690	10.339	10.00000	.00000	46.00000	.08920	.14625	.08920	.06638	.08920	.03215
47.610	15.549	15.00000	.00000	46.00000	.03215	.05497	.00933	-.01349	.00933	-.00208
47.740	20.797	20.00000	.00000	46.00000	-.11618	-.10477	-.10477	-.12759	-.13900	-.10477
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (MNA04P) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 112/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.670	-.054	.00000	5.00000	46.00000	.29458	.28317	.23753	.20330	.26035	.12343
47.530	5.142	5.00000	5.00000	46.00000	.29458	.30599	.23753	.22612	.26035	.14625
47.610	10.342	10.00000	5.00000	46.00000	.24894	.29458	.20330	.19189	.23753	.14625
47.670	15.546	15.00000	5.00000	46.00000	.18048	.22612	.11202	.11202	.14625	.11202
47.620	20.797	20.00000	5.00000	46.00000	.04356	.07779	-.00208	.00933	.03215	.00933
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (MNA04Q) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 113/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.710	-.041	.00000	10.00000	46.00000	.45433	.42010	.39728	.35164	.39728	.26035
47.530	5.145	5.00000	10.00000	46.00000	.45433	.46574	.37446	.35164	.40869	.26035
47.670	10.345	10.00000	10.00000	46.00000	.39728	.45433	.31741	.31741	.37446	.26035
47.560	15.574	15.00000	10.00000	46.00000	.31741	.37446	.23753	.26035	.31741	.20330
47.500	20.818	20.00000	10.00000	46.00000	.22612	.26035	.12343	.14625	.20330	.12343
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (MNA04R) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6900 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 115/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.390	-.065	.00000	.00000	46.00000	.16907	.15766	.12343	.08920	.15766	.03215
47.850	5.135	5.00000	.00000	46.00000	.16907	.19189	.12343	.08920	.16907	.06638
47.660	10.337	10.00000	.00000	46.00000	.12343	.16907	.08920	.08920	.12343	.04356
47.250	15.546	15.00000	.00000	46.00000	.05497	.12343	.00933	.00933	.04356	-.00208
47.360	20.815	20.00000	.00000	46.00000	-.09195	-.04772	-.10477	-.10477	-.10477	-.10477
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (MNA04S) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6900 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 114/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.190	-.061	.00000	.00000	46.00000	.18048	.14625	.12343	.08920	.16907	.02074
47.530	5.135	5.00000	.00000	46.00000	.16907	.20330	.12343	.12343	.14625	.06638
47.510	10.334	10.00000	.00000	46.00000	.12343	.16907	.08920	.08920	.12343	.03215
47.530	15.546	15.00000	.00000	46.00000	.05497	.08920	.00933	-.00208	.02074	-.01349
47.480	20.816	20.00000	.00000	46.00000	-.10477	-.05913	-.10477	-.11618	-.10477	-.10477
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (MNA04T) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 10.000

RUN NO. 116/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.580	-.062	.00000	.00000	46.00000	.15766	.14625	.12343	.11202	.16907	.03215
47.680	5.131	5.00000	.00000	46.00000	.16907	.18048	.12343	.08920	.15766	.05497
47.500	10.332	10.00000	.00000	46.00000	.12343	.18048	.11202	.08920	.12343	.03215
47.710	15.543	15.00000	.00000	46.00000	.05497	.11202	.03215	.00933	.03215	.00933
47.370	20.815	20.00000	.00000	46.00000	-.08195	-.02490	-.10477	-.11618	-.10477	-.08195
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (MNA04U) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 15.000

RUN NO. 117/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.680	-.065	.00000	.00000	46.00000	.14625	.14625	.12343	.08920	.14625	.00933
48.020	5.131	5.00000	.00000	46.50000	.16672	.20058	.14414	.11028	.17801	.06513
47.660	10.329	10.00000	.00000	46.00000	.12343	.18048	.08920	.08920	.12343	.03215
47.470	15.544	15.00000	.00000	46.00000	.05497	.08920	.00933	-.00208	.05497	-.01349
47.650	20.806	20.00000	.00000	46.00000	-.10477	-.08195	-.08195	-.10477	-.10477	-.10477
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (MNA04V) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 22.500

RUN NO. 118/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.560	-.067	.00000	.00000	46.00000	.16907	.14625	.13484	.08920	.14625	.00933
47.610	5.125	5.00000	.00000	46.00000	.16907	.18048	.12343	.11202	.18048	.05497
47.540	10.330	10.00000	.00000	46.00000	.14625	.18048	.11202	.08920	.14625	.05497
47.740	15.540	15.00000	.00000	46.00000	.05497	.08920	.03215	-.00208	.04356	.00933
47.530	20.805	20.00000	.00000	46.00000	-.08135	-.05913	-.10477	-.11618	-.10477	-.09336
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (MNA04W) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 119/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.790	-.054	.00000	5.00000	46.00000	.30599	.29458	.27176	.21471	.30599	.13484
47.230	5.137	5.00000	5.00000	46.00000	.30599	.32881	.27176	.24894	.30599	.15766
47.200	10.342	10.00000	5.00000	46.00000	.27176	.32881	.21471	.21471	.27176	.15766
47.330	15.548	15.00000	5.00000	46.00000	.21471	.26035	.14625	.13484	.19189	.12343
47.770	20.799	20.00000	5.00000	46.00000	.10061	.13484	.02074	.04356	.10061	.04356
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (MNA04X) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 5.000

RUN NO. 120/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.850	-.057	.00000	5.00000	46.00000	.32881	.29458	.27176	.22612	.28317	.13484
47.610	5.138	5.00000	5.00000	46.00000	.30599	.32881	.27176	.21471	.30599	.15766
47.510	10.337	10.00000	5.00000	46.00000	.27176	.31741	.24894	.21471	.26035	.15766
47.350	15.547	15.00000	5.00000	46.00000	.21471	.27176	.15766	.13484	.19189	.12343
47.530	20.801	20.00000	5.00000	46.00000	.07779	.13484	.00933	.02074	.07779	.02074
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (MNA04Y) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 10.000

RUN NO. 121/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.500	-.059	.00000	5.00000	46.00000	.30599	.27176	.26035	.21471	.27176	.13484
47.460	5.138	5.00000	5.00000	46.00000	.30599	.31741	.24894	.23753	.29458	.15766
47.440	10.331	10.00000	5.00000	46.00000	.27176	.32881	.21471	.23753	.27176	.18048
47.390	15.542	15.00000	5.00000	46.00000	.21471	.26035	.13484	.13484	.19189	.13484
47.640	20.796	20.00000	5.00000	46.00000	.07779	.15766	.02074	.02074	.07779	.02074
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (MNA04Z) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 15.000

RUN NO. 122/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.240	-.059	.00000	5.00000	46.00000	.30599	.27176	.26035	.24894	.29458	.12343
47.510	5.131	5.00000	5.00000	46.00000	.30599	.32881	.27176	.23753	.29458	.15766
47.360	10.331	10.00000	5.00000	46.00000	.27176	.32881	.21471	.21471	.27176	.15766
47.540	15.545	15.00000	5.00000	46.00000	.23753	.26035	.13484	.15766	.21471	.13484
47.560	20.799	20.00000	5.00000	46.00000	.10061	.13484	.02074	.02074	.06638	.02074
	GRADIENT	.00000	00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (MNA05A) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 22.500

RUN NO. 123/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.490	-.069	.00000	5.00000	46.50000	.31347	.27960	.25702	.21187	.26831	.12157
47.630	5.129	5.00000	5.00000	47.00000	.30961	.32077	.26493	.23143	.30961	.17558
47.560	10.328	10.00000	5.00000	47.00000	.26493	.32077	.23143	.22026	.28727	.17558
47.570	15.536	15.00000	5.00000	46.00000	.22612	.27176	.15766	.15766	.20330	.12343
47.670	20.792	20.00000	5.00000	46.00000	.12343	.15766	.04356	.05497	.08920	.06638
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (MNA05B) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 124/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.470	-.042	.00000	10.00000	46.00000	.44292	.40869	.40869	.37446	.40869	.27176
47.540	5.146	5.00000	10.00000	47.00000	.44363	.45480	.37662	.37662	.43246	.27610
47.480	10.343	10.00000	10.00000	46.00000	.43151	.47715	.35164	.32881	.40869	.27176
47.480	15.573	15.00000	10.00000	46.00000	.35164	.40869	.26035	.27176	.35164	.23753
47.560	20.820	20.00000	10.00000	47.00000	.20909	.28727	.17558	.18675	.20909	.14208
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (MNA05C) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 5.000

RUN NO. 125/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.480	-.044	.00000	10.00000	46.00000	.46574	.40869	.40869	.35164	.40869	.23753
47.500	5.145	5.00000	10.00000	46.00000	.46574	.46574	.38587	.38587	.44292	.27176
47.380	10.345	10.00000	10.00000	46.00000	.43151	.48856	.34022	.32881	.40869	.29458
47.500	15.568	15.00000	10.00000	46.00000	.37446	.44292	.26035	.27176	.35164	.26035
47.380	20.824	20.00000	10.00000	46.00000	.23753	.32881	.14625	.18048	.23753	.15766
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101(FTP OFF) (MNA05D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 126/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.500	-.047	.00000	10.00000	46.00000	.46574	.40869	.40869	.37446	.40869	.23753
47.460	5.143	5.00000	10.00000	47.00000	.45480	.45480	.37682	.36545	.43246	.27610
47.430	10.341	10.00000	10.00000	46.00000	.44292	.48856	.34022	.35184	.43151	.27176
47.520	15.569	15.00000	10.00000	46.00000	.37446	.42010	.27176	.29458	.35164	.23753
47.540	20.821	20.00000	10.00000	46.50000	.23445	.32475	.14414	.15543	.17801	.16672
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101(FTP OFF) (MNA05E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 127/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.540	-.046	.00000	10.00000	47.00000	.44363	.37662	.39895	.34311	.37662	.24259
47.480	5.142	5.00000	10.00000	46.00000	.46574	.46574	.38587	.38587	.44292	.27176
47.470	10.340	10.00000	10.00000	47.00000	.42129	.48830	.34311	.34311	.41012	.26493
47.540	15.567	15.00000	10.00000	47.00000	.34311	.42129	.26493	.26493	.34311	.23143
47.630	20.816	20.00000	10.00000	46.00000	.26035	.32681	.12343	.14625	.23753	.15766
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (MNA05F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 128/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.670	-.050	.00000	10.00000	46.00000	.46574	.40869	.40869	.37446	.40869	.23753
47.620	5.140	5.00000	10.00000	46.00000	.46574	.46574	.40869	.38587	.44292	.28317
47.640	10.336	10.00000	10.00000	47.00000	.43246	.47713	.34311	.34311	.41012	.25493
47.690	15.551	15.00000	10.00000	46.00000	.35164	.40869	.27176	.31741	.35164	.23753
47.600	20.816	20.00000	10.00000	46.00000	.21471	.32681	.15766	.18048	.22612	.14625
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA05G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 129/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.710	-.096	.00000	.00000	46.50000	.15543	.15543	.14414	.09899	.12157	.04255
47.550	5.092	5.00000	.00000	46.50000	.15543	.21187	.14414	.09899	.12157	.04255
47.900	10.298	10.00000	.00000	46.50000	.12157	.17801	.09899	.06513	.12157	.06513
47.460	15.507	15.00000	.00000	46.50000	.06513	.09899	.04255	.01997	.05384	-.01389
47.690	20.773	20.00000	.00000	46.50000	-.07033	-.01389	-.07033	-.10419	-.08162	-.08162
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA05H) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 130/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.410	-.095	.00000	.00000	46.50000	.15543	.15543	.12157	.09399	.09899	.03126
47.580	5.091	5.00000	.00000	47.50000	.15110	.17320	.11794	.08479	.11794	.06268
47.720	10.298	10.00000	.00000	47.50000	.12899	.17320	.09584	.09584	.12899	.05163
47.330	15.509	15.00000	.00000	46.50000	.06513	.09899	.04255	.00869	.06513	-.01389
47.700	20.773	20.00000	.00000	46.50000	-.04775	-.04775	-.07033	-.08162	-.04775	-.07033
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA05I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 131/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.640	-.095	.00000	.00000	46.50000	.15543	.17801	.13286	.09899	.09899	.04255
47.560	5.091	5.00000	.00000	46.50000	.15543	.18930	.14414	.08770	.14414	.05384
47.370	10.296	10.00000	.00000	46.50000	.12157	.16672	.09899	.06513	.12157	.05384
47.640	15.503	15.00000	.00000	46.50000	.04255	.09399	.04255	.03126	.06513	.00869
47.580	20.768	20.00000	.00000	46.50000	-.07033	-.04775	-.08162	-.08162	-.07033	-.09291
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40XS0-462(OA100) OV101(ADS OFF) (MNA05J) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 132/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.510	-.098	.00000	.00000	46.50000	.15543	.14414	.14414	.09899	.12157	.04255
47.620	5.091	5.00000	.00000	46.50000	.17801	.20058	.16672	.09899	.15543	.04255
47.760	10.298	10.00000	.00000	46.50000	.14414	.17801	.09899	.04255	.09399	.04255
47.780	15.506	15.00000	.00000	46.50000	.06513	.08770	.03126	.00869	.04255	-.01389
47.810	20.777	20.00000	.00000	46.50000	-.10419	-.07033	-.10419	-.10419	-.02518	-.07033
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA05K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 133/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.730	-.095	.00000	5.00000	47.50000	.28372	.26162	.22846	.20636	.20636	.15110
47.660	5.099	5.00000	5.00000	46.50000	.29089	.29089	.26831	.23445	.26831	.17801
47.700	10.298	10.00000	5.00000	46.50000	.26831	.30218	.21187	.20058	.26831	.15543
47.620	15.505	15.00000	5.00000	46.50000	.18930	.25702	.15543	.14414	.20058	.09899
47.490	20.756	20.00000	5.00000	46.50000	.06513	.09899	.00869	.04255	.06513	.04255
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA05L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 134/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.590	-.091	.00000	5.00000	46.50000	.29089	.25702	.23445	.20058	.21187	.12157
47.640	5.094	5.00000	5.00000	46.50000	.29089	.30218	.25702	.21187	.25702	.15543
47.660	10.298	10.00000	5.00000	46.50000	.25702	.29089	.21187	.21187	.23445	.14414
47.490	15.508	15.00000	5.00000	46.50000	.20058	.25702	.14414	.14414	.20058	.12157
47.850	20.751	20.00000	5.00000	46.50000	.09899	.14414	.00869	.03126	.09899	.04255
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA05M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 135/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.760	-.097	.00000	5.00000	46.50000	.27980	.26831	.23445	.20058	.20058	.09899
47.690	5.094	5.00000	5.00000	46.50000	.29089	.29089	.25702	.21187	.25702	.20058
47.450	10.299	10.00000	5.00000	46.50000	.26831	.30218	.21187	.21187	.25702	.14414
47.500	15.507	15.00000	5.00000	46.50000	.20058	.23445	.12157	.13286	.17801	.09899
47.670	20.759	20.00000	5.00000	46.50000	.05384	.14414	.00869	.03126	.06513	.04255
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA05N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 136/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.760	-.094	.00000	5.00000	46.50000	.29089	.26831	.24574	.17801	.21187	.12157
47.380	5.095	5.00000	5.00000	46.50000	.29089	.29089	.25702	.22316	.25702	.14414
47.450	10.299	10.00000	5.00000	46.50000	.25702	.29089	.23445	.21187	.23445	.16672
47.670	15.508	15.00000	5.00000	46.50000	.17801	.23445	.14414	.14414	.17801	.12157
47.530	20.755	20.00000	5.00000	46.50000	.08770	.15543	.03126	.04255	.06513	.03126
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA050) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 137/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.810	-.077	.00000	10.00000	47.50000	.41634	.37213	.37213	.35003	.33898	.26162
47.530	5.108	5.00000	10.00000	46.50000	.43764	.43764	.36991	.34733	.36991	.29089
47.750	10.306	10.00000	10.00000	46.50000	.40377	.46021	.32475	.32475	.38120	.26831
47.630	15.529	15.00000	10.00000	46.50000	.32475	.40377	.23445	.26831	.34733	.23445
47.330	20.761	20.00000	10.00000	46.50000	.20058	.30218	.12157	.17801	.25702	.14414
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA05P) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 138/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.520	-.078	.00000	10.00000	46.50000	.42635	.38120	.38120	.32475	.32475	.24574
47.860	5.110	5.00000	10.00000	46.50000	.43764	.43764	.36991	.34733	.38120	.26831
47.790	10.307	10.00000	10.00000	46.50000	.40377	.46021	.32475	.32475	.36991	.26831
47.490	15.529	15.00000	10.00000	46.50000	.34733	.40377	.25702	.26831	.33604	.21187
47.890	20.777	20.00000	10.00000	46.50000	.20058	.32475	.15543	.16672	.23445	.13286
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA05Q) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 139/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.450	-.080	.00000	10.00000	46.50000	.40377	.35962	.38120	.32475	.32475	.24574
47.430	5.109	5.00000	10.00000	46.00000	.44292	.44292	.38587	.35164	.38587	.26035
47.410	10.307	10.00000	10.00000	46.50000	.40377	.46021	.32475	.32475	.36991	.25702
47.370	15.529	15.00000	10.00000	46.00000	.32881	.40869	.24894	.29458	.35164	.21471
47.210	20.780	20.00000	10.00000	46.00000	.21471	.29458	.12343	.14625	.21471	.14625
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA05R) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 140/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.560	-.078	.00000	10.00000	46.50000	.42635	.38120	.38120	.32475	.32475	.23445
47.130	5.110	5.00000	10.00000	46.50000	.43764	.43764	.36991	.34733	.36991	.26831
47.600	10.309	10.00000	10.00000	46.50000	.42635	.46021	.32475	.32475	.36991	.26831
47.540	15.526	15.00000	10.00000	46.00000	.32881	.39728	.23753	.26035	.32881	.22612
47.910	20.778	20.00000	10.00000	46.50000	.21187	.30218	.12157	.14414	.23445	.15543
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA05S) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000

RUN NO. 141/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	RUDDER	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85	ALPHA
47.240	-22.907	10.00000	.00000	46.00000	.12343	.15766	.08920	.06638	.10061	.04356	10.32800
47.740	-15.162	10.00000	.00000	46.50000	.09899	.16672	.06513	.06513	.09899	.04255	10.33170
47.530	-10.072	10.00000	.00000	46.50000	.09899	.15543	.07641	.06513	.09899	.03126	10.33640
47.600	-5.054	10.00000	.00000	46.50000	.12157	.15543	.09899	.06513	.09899	.04255	10.33540
47.530	.043	10.00000	.00000	46.50000	.12157	.17801	.06513	.06513	.09899	.04255	10.33540
47.640	5.082	10.00000	.00000	46.50000	.11028	.15543	.08770	.06513	.09899	.04255	10.33550
47.570	10.140	10.00000	.00000	46.50000	.11028	.15543	.08770	.05384	.11028	.04255	10.33350
47.570	14.990	10.00000	.00000	46.50000	.09899	.15543	.08770	.06513	.12157	.03126	10.33310
47.430	22.915	10.00000	.00000	46.50000	.12157	.15543	.08770	.05384	.08770	.04255	10.32910
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (MNA05T) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 142/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.510	5.150	5.00000	5.00000	-.50000	-.05075	-2.14051	-.05075	-.05075	-2.14051	-4.23026
47.650	10.351	10.00000	5.00000	.00000	**********	**********	**********	**********	**********	**********
47.420	15.562	15.00000	5.00000	-.50000	8.30826	3.08388	10.39800	8.30826	3.08388	.99412
47.540	20.810	20.00000	5.00000	-.50000	21.89170	15.62240	20.84680	16.66730	11.44290	9.35314
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (MNA05U) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 143/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.620	-.035	.00000	10.00000	.00000	**********	**********	**********	**********	**********	**********
47.660	5.154	5.00000	10.00000	.00000	**********	**********	**********	**********	**********	**********
47.870	10.354	10.00000	10.00000	.00000	**********	**********	**********	**********	**********	**********
47.280	15.576	15.00000	10.00000	-.50000	-3.18539	-10.49950	-.05075	-4.23026	-10.49950	-9.45465
47.740	20.824	20.00000	10.00000	.00000	**********	**********	**********	**********	.00000	**********
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AF.C40X80-462(OA100) OV101(ADS OFF) (MNA05V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 144/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.650	-.044	.00000	10.00000	.00000						
47.530	5.147	5.00000	10.00000	.00000						
47.640	10.349	10.00000	10.00000	.00000						
47.920	15.574	15.00000	10.00000	.00000			.00000			
47.210	20.816	20.00000	10.00000	-.50000	8.30826	-2.14051	12.48780	6.21851	.99412	-3.18539
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (MNA05W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 145/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.450	-.089	.00000	.00000	46.50000	.12157	.12157	.09899	.06513	.07641	.00869
47.710	5.097	5.00000	.00000	47.00000	.11974	.15324	.11974	.06389	.09740	.04156
47.790	10.302	10.00000	.00000	47.00000	.09740	.14208	.06389	.04156	.06399	.03039
47.640	15.510	15.00000	.00000	47.00000	.00805	.04156	.00805	-.01429	.00805	-.02545
47.680	20.754	20.00000	.00000	47.00000	-.12597	-.12597	-.12597	-.11480	-.10364	-.13714
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR(ADS OFF) (MNA05X) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.000 RUDDER = .000

RUN NO. 146/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.630	-.087	.00000	5.00000	46.50000	.26831	.25702	.23445	.20058	.21187	.09899
47.570	5.102	5.00000	5.00000	47.00000	.26493	.28727	.23143	.19792	.23143	.14208
47.600	10.304	10.00000	5.00000	46.50000	.23445	.25831	.20058	.17801	.21187	.12157
47.600	15.506	15.00000	5.00000	47.00000	.15324	.20909	.11974	.09740	.14208	.08623
47.810	20.751	20.00000	5.00000	47.00000	.04156	.11974	.00805	.00805	.05273	.04156
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR(ADS OFF) (MNA05Y) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.000 RUDDER = .000

RUN NO. 147/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.690	-.073	.00000	10.00000	47.00000	.42129	.39895	.36545	.32077	.32077	.23143
47.470	5.110	5.00000	10.00000	46.50000	.41506	.42635	.34733	.33604	.34733	.23445
47.620	10.303	10.00000	10.00000	46.50000	.38120	.43764	.31347	.31347	.36991	.23445
47.590	15.537	15.00000	10.00000	46.50000	.29089	.34733	.21187	.22316	.29089	.20058
47.460	20.779	20.00000	10.00000	47.00000	.19792	.25376	.09740	.11974	.19792	.11974
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR(FTP,ADS OFF) (MNA05Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 148/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.710	-.050	.00000	.00000	46.50000	.15543	.14414	.11028	.09999	.08770	.01997
47.510	5.148	5.00000	.00000	46.00000	.15766	.15766	.12343	.06638	.12343	.04356
47.730	10.347	10.00000	.00000	46.50000	.09899	.12157	.06513	.06513	.09899	.03126
47.530	15.559	15.00000	.00000	46.00000	.00933	.06638	.02074	-.00208	.03215	-.01349
47.600	20.802	20.00000	.00000	46.50000	-.10419	-.08162	-.10419	-.10419	-.10419	-.16064
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR(FTP,ADS OFF) (MNA06A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 149/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.470	-.047	.00000	5.00000	47.50000	.30582	.28372	.25056	.21741	.22846	.14005
47.600	5.147	5.00000	5.00000	47.50000	.30582	.30582	.27267	.22846	.26162	.16215
47.470	10.342	10.00000	5.00000	47.50000	.27267	.28372	.21741	.21741	.22846	.17320
47.480	15.552	15.00000	5.00000	47.50000	.19530	.25056	.16215	.14005	.17320	.11794
47.520	20.802	20.00000	5.00000	47.50000	.04058	.14005	.02953	.02953	.06268	.02953
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR(FTP,ADS OFF) (MNA06B) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 150/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.500	-.037	.00000	10.00000	47.50000	.44949	.41634	.39424	.36108	.33898	.25056
47.210	5.149	5.00000	10.00000	47.00000	.45480	.45480	.38779	.36545	.38779	.25376
47.360	10.344	10.00000	10.00000	47.50000	.41634	.44949	.33898	.32793	.36108	.25056
47.620	15.575	15.00000	10.00000	47.50000	.32793	.39424	.22846	.25056	.32793	.21741
47.570	20.823	20.00000	10.00000	47.50000	.22846	.27267	.08479	.14005	.22846	.17320
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (MNA06C) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 151/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.680	-.056	.00000	.00000	46.50000	.15543	.14414	.12157	.09899	.09899	.00869
47.610	5.140	5.00000	.00000	46.50000	.15543	.17801	.13286	.08770	.12157	.04255
47.670	10.340	10.00000	.00000	46.50000	.12157	.17801	.08770	.06513	.12157	.04255
47.610	15.551	15.00000	.00000	46.50000	.06513	.12157	.01997	.00869	.05384	-.01389
47.690	20.824	20.00000	.00000	46.50000	-.10419	-.04775	-.09291	-.08162	-.07033	-.08162
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (MNA06D) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 5.000

RUN NO. 152/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q!	CP80	CP81	CP82	CP83	CP84	CP85
47.560	-.057	.00000	.00000	46.50000	.15543	.15543	.12157	.08770	.09899	.03126
47.720	5.140	5.00000	.00000	46.50000	.15543	.21187	.12157	.09899	.13286	.04255
47.480	10.340	10.00000	.00000	46.50000	.12157	.15543	.09899	.08770	.12157	.04255
47.580	15.556	15.00000	.00000	46.50000	.04255	.09899	.03126	.00869	.06513	-.01389
47.660	20.824	20.00000	.00000	46.50000	-.08162	-.04775	-.10419	-.10419	-.07033	-.09291
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (MNA06E) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 10.000

RUN NO. 153/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q!	CP80	CP81	CP82	CP83	CP84	CP85
47.620	-.054	.00000	.00000	46.50000	.17801	.17801	.14414	.08770	.12157	.03126
47.720	5.139	5.00000	.00000	46.50000	.17801	.20058	.14414	.12157	.17801	.08770
47.540	10.338	10.00000	.00000	46.50000	.14414	.20058	.09899	.11028	.14414	.06513
47.750	15.553	15.00000	.00000	46.50000	.08770	.12157	.06513	.03126	.08770	.00869
47.610	20.822	20.00000	.00000	46.50000	-.07033	-.04775	-.08162	-.05904	-.04775	-.05904
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (MNA06F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	15.000

RUN NO. 154/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.520	-.056	.00000	.00000	46.50000	.18930	.17801	.16672	.11028	.12157	.03126
47.620	5.138	5.00000	.00000	46.50000	.17801	.21187	.16672	.12157	.14414	.06513
47.750	10.338	10.00000	.00000	46.50000	.14414	.18930	.12157	.08770	.12157	.06513
47.570	15.550	15.00000	.00000	46.50000	.08770	.11028	.05384	.01997	.06513	.00869
47.610	20.822	20.00000	.00000	46.50000	-.08162	-.02518	-.05904	-.08162	-.08162	-.08162
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (MNA06G) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	20.500

RUN NO. 155/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.510	-.061	.00000	.00000	46.50000	.17801	.17801	.14414	.09899	.12157	.03126
47.600	5.135	5.00000	.00000	46.50000	.16672	.20058	.14414	.11028	.14414	.07641
47.580	10.335	10.00000	.00000	46.50000	.14414	.17801	.08770	.08770	.12157	.06513
47.680	15.550	15.00000	.00000	45.50000	.08770	.13286	.05384	.00869	.06513	-.00260
47.440	20.819	20.00000	.00000	46.50000	-.05904	-.02518	-.08162	-.10419	-.08162	-.05904
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (MNA06H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 156/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.640	-.047	.00000	5.00000	46.50000	.31347	.27960	.27960	.22316	.23445	.14414
47.700	5.147	5.00000	5.00000	46.50000	.31347	.31347	.25702	.23445	.27960	.17801
47.530	10.343	10.00000	5.00000	46.50000	.27960	.31347	.22316	.20058	.25702	.16672
47.460	15.556	15.00000	5.00000	46.50000	.20058	.25702	.14414	.14414	.20058	.12157
47.670	20.810	20.00000	5.00000	46.50000	.07641	.14414	.00869	.03126	.11028	.03126
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (MNA06I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 157/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.530	-.050	.00000	5.00000	46.50000	.29089	.27960	.25702	.23445	.23445	.12157
47.550	5.145	.00000	5.00000	46.50000	.31347	.32475	.27960	.23445	.25702	.17801
47.470	10.342	10.00000	5.00000	46.50000	.27960	.31347	.23445	.22316	.25702	.17801
47.480	15.554	15.00000	5.00000	46.50000	.18930	.27960	.16672	.16672	.20058	.12157
47.650	20.806	20.00000	5.00000	46.50000	.08770	.17801	.03126	.05384	.11028	.04255
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101(FTP AND ADS OFF) (MNA06L) (15 APR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.9100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	20.500

RUN NO. 160/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.360	-.050	.00000	5.00000	46.00000	.29458	.28317	.26035	.22612	.22612	.14625
47.530	5.141	5.00000	5.00000	46.50000	.31347	.32475	.25702	.23445	.27960	.16672
47.680	10.336	10.00000	5.00000	46.50000	.27960	.31347	23445	.22316	.27960	.14414
47.630	15.547	15.00000	5.00000	46.50000	.22316	.25702	.14414	.14414	.20058	.12157
47.440	20.800	20.00000	5.00000	46.50000	.08770	.16672	.03126	.05384	.08770	.03126
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101(ADS OFF) (MNA06M) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 161/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.610	-.038	.00000	10.00000	47.50000	.42739	.39424	.39424	.33898	.31687	.25056
47.540	5.151	5.00000	10.00000	47.50000	.44949	.44949	.39424	.36108	.38318	.28372
47.550	10.352	10.00000	10.00000	48.00000	.38961	.46617	.33492	.33492	.38961	.28024
47.970	15.573	15.00000	10.00000	49.00000	.34848	.40205	.25204	.27347	.32705	.21990
47.730	20.823	20.00000	10.00000	49.00000	.19847	.30562	.11275	.16632	.25204	.16632
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA06N) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 162/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.570	-.037	.00000	10.00000	48.50000	.42837	.38507	.38507	.33095	.33095	.24435
47.700	5.151	5.00000	10.00000	48.50000	.43920	.43920	.38507	.35260	.38507	.27682
47.440	10.349	10.00000	10.00000	48.50000	.41755	.46085	.33095	.33095	.36342	.25517
47.630	15.572	15.00000	10.00000	48.50000	.34177	.40672	.24435	.25517	.33095	.22270
47.520	20.823	20.00000	10.00000	48.50000	.21187	.30930	.11445	.16857	.25517	.14692
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA06O) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 163/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.640	5.150	5.00000	10.00000	48.50000	.43920	.43920	.37425	.36342	.38507	.27682
47.480	10.348	10.00000	10.00000	48.50000	.40672	.46085	.33095	.33095	.38507	.25517
47.500	15.575	15.00000	10.00000	48.00000	.33492	.41148	.22555	.26930	.33492	.22555
47.740	20.820	20.00000	10.00000	48.50000	.22270	.29847	.11445	.16857	.24435	.16857
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA06P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	15.000

RUN NO. 164/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.630	-.040	.00000	10.00000	48.50000	.41755	.38507	.38507	.33095	.32012	.24435
47.450	5.148	5.00000	10.00000	47.50000	.44949	.44949	.37213	.36108	.37213	.28372
47.590	10.346	10.00000	10.00000	48.50000	.38507	.46095	.33095	.33095	.38507	.25517
47.510	15.566	15.00000	10.00000	47.50000	.33698	.41634	.26162	.26162	.31687	.22846
47.820	20.818	20.00000	10.00000	48.50000	.22270	.29847	.14692	.19022	.25517	.14692
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA06Q) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	20.500

RUN NO. 165/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.640	-.043	.00000	10.00000	48.50000	.41755	.36342	.38507	.33095	.33095	.24435
47.600	5.147	5.00000	10.00000	48.50000	.43920	.43920	.38507	.36342	.38507	.27682
47.570	10.342	10.00000	10.00000	48.50000	.40672	.43920	.33095	.33095	.38507	.26600
47.760	15.561	15.00000	10.00000	48.50000	.33095	.40672	.24435	.27682	.33095	.22270
47.670	20.817	20.00000	10.00000	48.50000	.22270	.30950	.12527	.14692	.22270	.15775
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA06R) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6200 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 167/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.470	-5.243	-5.00000	.00000	48.00000	.08337	.06149	.10524	.03962	.02868	-.02600
47.570	-2.651	-2.50000	.00000	48.50000	.12527	.11445	.11445	.07115	.07115	.00620
47.600	-.058	.00000	.00000	48.50000	.13610	.16957	.11445	.08197	.08197	.03867
47.550	2.540	2.50000	.00000	48.00000	.15993	.19274	.13805	.09430	.12712	.06149
47.580	5.139	5.00000	.00000	48.50000	.15775	.21187	.11445	.09280	.10362	.06032
47.810	7.739	7.50000	.00000	48.50000	.13610	.19022	.11445	.09280	.12527	.04950
47.630	10.342	10.00000	.00000	48.50000	.10362	.16957	.09200	.06032	.08197	.03867
47.580	11.379	11.00000	.00000	48.00000	.08337	.17086	.09337	.05056	.10524	.03962
47.690	12.421	12.00000	.00000	49.00000	.06928	.13418	.05917	.04846	.08060	.03774
47.670	13.462	13.00000	.00000	48.50000	.07115	.13610	.06032	.03867	.04950	.00620
47.600	14.505	14.00000	.00000	48.50000	.04950	.11445	.03867	.02785	.04950	.00620
47.680	15.549	15.00000	.00000	48.50000	.02785	.11445	.02785	.00620	.02785	-.01545
47.520	16.601	16.00000	.00000	48.50000	.02785	.08197	-.01545	-.01545	-.00463	-.02628
47.620	17.651	17.00000	.00000	48.50000	-.00463	.06032	-.01545	-.03710	-.02628	-.03710
47.520	18.708	18.00000	.00000	48.50000	-.05875	.00920	-.03710	-.02628	-.02628	-.04793
47.490	19.768	19.00000	.00000	48.50000	-.04793	.00920	-.03710	-.06958	-.03710	-.02628
47.660	20.817	20.00000	.00000	48.50000	-.08040	-.00463	-.08040	-.09123	-.08040	-.08040
	GRADIENT	.96321	.00000	-.09635	.00668	.01508	.00455	.00446	.01078	.01065

ARC40X80-462(0A100) QV101(ADS OFF) (MNA06S) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	SPOFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 47/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
94.360	-5.233	-5.00000	-5.00000	97.50000	-.29256	-.22204	-.22747	-.24916	-.24916	-.26544
94.320	-2.640	-2.50000	-5.00000	97.50000	-.27629	-.24374	-.24374	-.22747	-.22747	-.25459
94.430	-.047	.00000	-5.00000	97.00000	-.27743	-.19565	-.22837	-.22837	-.25017	-.26653
94.430	2.550	2.50000	-5.00000	97.50000	-.28171	-.19492	-.24374	-.21119	-.22204	-.24374
94.430	5.148	5.00000	-5.00000	97.50000	-.26001	-.20577	-.22747	-.22204	-.22204	-.26544
94.320	7.747	7.50000	-5.00000	97.50000	-.29256	-.19492	-.22747	-.21119	-.19492	-.26544
94.550	10.348	10.00000	-5.00000	97.50000	-.26001	-.20034	-.21662	-.21119	-.22204	-.23289
94.320	11.396	11.00000	-5.00000	96.50000	-.25119	-.18544	-.24571	-.21284	-.24023	-.25119
94.410	12.437	12.00000	-5.00000	97.50000	-.24916	-.20034	-.26001	-.22204	-.22747	-.23831
94.660	13.479	13.00000	-5.00000	97.50000	-.26544	-.19492	-.26001	-.22204	-.23831	-.25459
94.570	14.522	14.00000	-5.00000	97.50000	-.30883	-.22204	-.21662	-.24916	-.22747	-.23831
94.550	15.570	15.00000	-5.00000	97.50000	-.22204	-.24916	-.21662	-.27629	-.23831	-.27629
94.360	16.617	16.00000	-5.00000	97.50000	-.30341	-.23289	-.26001	-.24916	-.26544	-.29256
94.270	17.676	17.00000	-5.00000	96.50000	-.27859	-.22927	-.30051	-.27859	-.26763	-.27859
94.500	18.727	18.00000	-5.00000	96.50000	-.27859	-.24023	-.28407	-.28407	-.29503	-.33338
94.570	19.777	19.00000	-5.00000	96.50000	-.30599	-.25119	-.27311	-.30599	-.28407	-.28407
94.590	20.820	20.00000	-5.00000	97.00000	-.30469	-.26653	-.31014	-.32105	-.34831	-.33195
94.340	21.861	21.00000	-5.00000	97.50000	-.39020	-.26544	-.29788	-.29256	-.30341	-.35765
	GRADIENT	.95341	-.00000	.00007	-.00105	.00940	-.00000	.00314	.00105	.00209

ARC40X80-462(OA100) OV101(ADS OFF) (MNA06T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPOBRK =	25.000	RUDDER =	.000

RUN NO. 169/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.490	-5.236	-5.00000	2.00000	48.00000	.12712	.08337	.14899	.09430	.05056	.02868
47.640	-2.648	-2.50000	2.00000	48.50000	.16857	.15775	.16857	.11445	.08197	.03867
47.650	-.056	.00000	2.00000	48.50000	.20105	.19022	.16857	.12527	.11445	.06032
47.620	2.539	2.50000	2.00000	48.50000	.20105	.21187	.19022	.14692	.13610	.08197
47.610	5.139	.00000	2.00000	48.50000	.17940	.21187	.19022	.14692	.13610	.09280
47.580	7.739	7.50000	2.00000	48.00000	.20368	.21461	.17096	.14899	.15993	.09430
47.630	10.339	10.00000	2.00000	48.50000	.14692	.21187	.14692	.13610	.13610	.08197
47.580	11.382	11.00000	2.00000	48.00000	.12712	.19274	.13805	.11618	.11618	.07243
47.620	12.421	12.00000	2.00000	48.50000	.11445	.17940	.11445	.09280	.10362	.06032
47.510	13.462	13.00000	2.00000	48.00000	.11618	.13805	.09430	.08337	.09430	.06149
47.530	14.508	14.00000	2.00000	48.00000	.09430	.14899	.07243	.06149	.08337	.03962
47.560	15.551	15.00000	2.00000	48.50000	.07115	.13610	.06032	.06032	.06032	.03867
47.730	16.598	16.00000	2.00000	48.50000	.06032	.10362	.03867	.06032	.03867	.01702
47.530	17.653	17.00000	2.00000	48.00000	.03962	.08337	.02868	.02868	.02868	.03962
47.600	18.709	18.00000	2.00000	48.50000	.01702	.08197	-.01545	-.01545	.00620	-.02628
47.740	19.762	19.00000	2.00000	48.50000	-.01545	.04950	-.01545	-.01545	-.02628	-.01545
47.450	20.817	20.00000	2.00000	47.50000	-.05888	.01848	-.01468	-.04783	-.05988	-.01468
	GRADIENT	.96391	.00000	-.00000	.00626	.01043	.00418	.00626	.01043	.00835

ARC40X80-462(OA100) OV101(ADS OFF) (MNA06U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 169/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.530	-5.219	-5.00000	10.00000	48.00000	.33492	.24742	.35680	.28024	.22555	.17086
47.640	-2.630	-2.50000	10.00000	48.50000	.38507	.32012	.38507	.30930	.26600	.22270
47.640	-.041	.00000	10.00000	48.50000	.39380	.37425	.38507	.33095	.29847	.24435
47.710	2.553	2.50000	10.00000	48.50000	.41755	.40672	.38507	.35260	.33095	.25517
47.820	5.146	5.00000	10.00000	48.50000	.38380	.40672	.37425	.35260	.35260	.25517
47.620	7.550	7.50000	10.00000	48.00000	.42242	.43338	.36773	.36773	.35680	.25836
47.620	10.349	10.00000	10.00000	48.50000	.38342	.42837	.33095	.33095	.35260	.27682
47.740	11.329	11.00000	10.00000	48.50000	.38342	.42837	.30930	.30930	.34177	.25517
47.600	12.433	12.00000	10.00000	48.00000	.34586	.43336	.30211	.31305	.33492	.25836
47.480	13.480	13.00000	10.00000	48.00000	.34586	.41148	.28024	.28024	.32399	.24742
47.500	14.523	14.00000	10.00000	48.00000	.31305	.41148	.25836	.28024	.30211	.23649
47.620	15.575	15.00000	10.00000	48.00000	.31305	.37867	.24742	.25836	.30211	.22555
47.600	16.625	16.00000	10.00000	48.00000	.29117	.37867	.23649	.24742	.28024	.20368
47.500	17.671	17.00000	10.00000	48.00000	.25836	.35680	.20368	.22555	.28024	.19274
47.550	18.721	18.00000	10.00000	48.00000	.25836	.35680	.17086	.20368	.24742	.19274
47.530	19.768	19.00000	10.00000	48.50000	.20105	.29847	.13610	.17940	.22270	.16857
47.670	20.819	20.00000	10.00000	48.50000	.20105	.28765	.11445	.16857	.21187	.16857
	GRADIENT	.96462	-.00000	-.00000	.00627	.01671	-.00000	.00835	.01253	.00626

ARC40X80-462(OA100) OV101(ADS OFF) (MNA06V) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 166/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.850	-.063	.00000	10.00000	49.00000	.41277	.36991	.38062	.34848	.33776	.23061
47.460	5.129	5.00000	10.00000	48.00000	.44430	.44430	.36773	.35680	.36773	.25836
47.510	10.327	10.00000	10.00000	48.00000	.41148	.45523	.31305	.31305	.38961	.25836
47.600	15.553	15.00000	10.00000	48.50000	.30930	.38507	.24435	.25517	.33095	.22270
47.540	20.804	20.00000	10.00000	48.00000	.22555	.30211	.11618	.17086	.22555	.14899
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (MNA06W) (15 APR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6900 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6600 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 170/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.520	-5.246	-5.00000	.00000	46.50000	.08770	.05513	.09839	4.60296	.04255	-.04775
47.570	-2.655	-2.50000	.00000	47.50000	.10689	.09584	.09584	4.52757	.08479	-.01468
47.500	-.063	.00000	.00000	47.50000	.14005	.15110	.11794	4.54868	.09584	.01848
47.400	2.538	2.50000	.00000	47.50000	.15110	.17320	.11794	4.56073	.11794	.01848
47.470	5.136	5.00000	.00000	47.50000	.15110	.17320	.15110	4.56073	.14005	.01848
47.370	7.735	7.50000	.00000	47.50000	.14005	.17320	.10689	4.56073	.14005	.01848
47.510	10.336	10.00000	.00000	47.50000	.10689	.15110	.09584	4.54968	.11794	.04058
47.570	12.934	12.50000	.00000	47.50000	.08479	.14005	.08258	4.52757	.08479	.00743
47.500	15.540	15.00000	.00000	47.50000	.05163	.09584	.04058	4.50547	.07374	-.03678
47.370	18.171	17.50000	.00000	47.00000	-.02545	.04156	-.01429	4.47552	-.00312	-.07013
47.610	20.811	20.00000	.00000	47.50000	-.09204	-.02073	-.06994	4.39495	-.02573	-.06994
47.440	25.582	25.00000	.00000	47.50000	-.24675	-.23571	-.23571	4.19602	-.26887	-.21351
	GRADIENT	.96289	.00000	.00000	.00851	.01489	.00425	.00638	.00639	.00638

ARC40X80-462(OA100) OV101(ADS OFF) (MNA06X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 171/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.650	-13.000	10.00000	10.34100	46.50000	-.26223	-.23965	-.19450	4.32076	-.21708	-.22837
47.520	-10.000	10.00000	10.33920	47.50000	-.16940	-.12520	-.12520	4.30654	-.12520	-.16940
47.410	-2.000	1.00000	10.33520	47.50000	.05163	.09584	.05163	4.50547	.06268	-.03678
47.410	.000	1.00000	10.33440	47.50000	.08479	.15110	.09584	4.52757	.11794	.01848
47.600	5.000	-1.00000	10.34450	47.50000	.25056	.31687	.22846	4.67125	.26162	.12899
47.380	10.000	1.00000	10.35610	47.00000	.38779	.46597	.34311	4.85525	.38779	.24259
47.390	15.000	1.00000	10.35440	47.00000	.53298	.59999	.47713	4.98928	.53298	.37662
47.200	20.000	1.00000	10.34170	47.00000	.66700	.72285	.58882	5.11213	.65583	.48830
	GRADIENT	-.30769	.00135	.00000	.02933	.03188	.02550	.02465	.02848	.02338

ARC40X80-462(OA100) OVIOI+TUFTS (ADS OFF) (MNA06Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 172/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
9.590	-.074	.00000	.00000	9.00000	-.63038	-.51417	-.80470	-.80470	-.74659	-.92091
9.630	5.120	5.00000	.00000	10.00000	-.57218	-.57218	-.62448	-.72908	-.67678	-.88598
9.660	10.325	10.00000	.00000	10.00000	-.57218	-.57218	-.72908	-.72908	-.72908	-.83368
9.630	15.532	15.00000	.00000	9.00000	-.51417	-.51417	-.74659	-.74659	-.74659	-.97902
9.430	20.764	20.00000	.00000	9.50000	-.43460	-.48965	-.70985	-.70985	-.70985	-.76490
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 173/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
19.020	-.074	.00000	.00000	17.50000	-.58610	-.58610	-.85530	-.79548	-.73566	-.94504
19.040	5.117	5.00000	.00000	17.50000	-.64592	-.58610	-.85530	-.85530	-.79549	-.88521
19.090	10.324	10.00000	.00000	17.50000	-.64592	-.64592	-.79548	-.91513	-.85530	-1.03477
19.080	15.531	15.00000	.00000	17.50000	-.55619	-.58610	-.73565	-.79548	-.79548	-1.00486
19.090	20.782	20.00000	.00000	17.50000	-.43654	-.49636	-.73566	-.73566	-.79548	-.94504
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 174/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.410	-5.253	-5.00000	.00000	47.50000	-.56726	-.48990	-.71093	-.74409	-.62252	-.78830
47.630	-2.664	-2.50000	.00000	47.50000	-.56726	-.51201	-.73304	-.76619	-.65568	-.82145
47.490	-.074	.00000	.00000	47.50000	-.56726	-.52306	-.76619	-.76619	-.71093	-.89681
47.330	2.522	2.50000	.00000	46.50000	-.58958	-.55572	-.80406	-.78148	-.72504	-.92823
47.640	5.119	5.00000	.00000	47.50000	-.56726	-.56726	-.82145	-.79935	-.73304	-.95407
47.460	7.720	7.50000	.00000	47.50000	-.56726	-.54516	-.82145	-.78830	-.75514	-.96513
47.660	10.323	10.00000	.00000	47.50000	-.55621	-.55621	-.81040	-.82145	-.78830	-.89881
47.580	12.922	12.50000	.00000	47.50000	-.56726	-.56726	-.79935	-.79935	-.76619	-.93197
47.590	15.533	15.00000	.00000	47.50000	-.54516	-.54516	-.76619	-.78830	-.74409	-.92092
47.610	18.150	17.50000	.00000	47.50000	-.51201	-.52306	-.73304	-.78830	-.73304	-.90987
47.580	20.791	20.00000	.00000	47.50000	-.48990	-.48990	-.73304	-.74409	-.73304	-.96513
47.190	25.997	25.00000	.00000	47.50000	-.48990	-.48990	-.65568	-.68983	-.66673	-.87671
	GRADIENT	.96415	.00000	-.19291	-.00431	-.00843	-.01370	-.00295	-.01337	-.02059

ARC40X80-462(OA100) OV101+TUFTS (ADS OFF) (MNA06Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 175/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.750	-5.249	-5.00000	5.00000	47.50000	-.54516	-.52306	-.72199	-.74409	-.63357	-.79935
47.650	-2.660	-2.50000	5.00000	48.00000	-.51818	-.52811	-.75830	-.75880	-.64942	-.81348
47.580	-.070	00000	5.00000	48.00000	-.54005	-.54005	-.76973	-.78067	-.69317	-.85817
47.400	2.526	2.50000	5.00000	47.50000	-.54516	-.54516	-.79935	-.82145	-.72199	-.90987
47.470	5.122	5.00000	5.00000	47.50000	-.52306	-.54516	-.79935	-.76619	-.74409	-.93197
47.640	7.725	7.50000	5.00000	48.50000	-.41598	-.50259	-.72991	-.75156	-.69743	-.89228
47.450	10.326	10.00000	5.00000	48.50000	-.42690	-.48093	-.70826	-.75156	-.68660	-.87063
47.530	12.928	12.50000	5.00000	48.50000	-.42690	-.49175	-.70826	-.72991	-.65495	-.83816
47.690	15.537	15.00000	5.00000	48.50000	-.45928	-.51340	-.72991	-.75156	-.68660	-.83816
47.490	18.155	17.50000	5.00000	48.50000	-.48093	-.49175	-.72991	-.75156	-.69743	-.89228
47.590	20.788	20.00000	5.00000	48.50000	-.43763	-.48093	-.70826	-.76238	-.67578	-.88145
47.360	25.993	25.00000	5.00000	48.50000	-.48093	-.48093	-.69743	-.75156	-.63249	-.80568
	GRADIENT	.98402	.00000	-.09543	-.00420	-.00309	-.00782	-.01208	-.01399	-.01858

ARC40X80-462(OA100) OV101 (MNA07A) (16 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 176/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
94.180	-.049	.00000	5.00000	97.50000	.30261	.28903	.27546	.22659	.27818	.13157
94.280	5.145	5.00000	5.00000	98.00000	.29540	.34943	.26028	.24677	.30820	.17113
94.750	10.344	10.00000	5.00000	98.75000	.26594	.33298	.22672	.20427	.26594	.13724
94.370	15.559	15.00000	5.00000	98.50000	.19149	.27751	.14310	.13235	.15654	.10816
94.330	20.825	20.00000	5.00000	98.75000	.05143	.16941	.00853	.02462	.06484	.01121
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (MNA07B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 177/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
94.560	-5.240	-5.00000	.00000	98.75000	.11578	.08381	.10506	.04339	.11042	-.03706
94.350	-2.649	-2.50000	.00000	98.00000	.12521	.13871	.12521	.07928	.14412	-.00946
94.170	-.056	.00000	.00000	98.00000	.14412	.16573	.13331	.09279	.16573	.01715
94.450	2.541	2.50000	.00000	98.50000	.15117	.17805	.14041	.10278	.16461	.03020
94.510	5.138	5.00000	.00000	98.50000	.15654	.21030	.13235	.09740	.15395	.04095
94.320	7.738	7.50000	.00000	98.50000	.13773	.20493	.12697	.09472	.14579	.03558
94.710	10.348	10.00000	.00000	98.50000	.11891	.17805	.10547	.06515	.10278	.02483
94.310	12.946	12.50000	.00000	98.00000	.05307	.14412	.05227	.03876	.07118	.00904
94.310	15.557	15.00000	.00000	98.00000	.03065	.10830	.01715	-.01527	.01174	-.02337
94.550	18.382	17.50000	.00000	98.50000	-.01549	.08396	-.02356	-.06926	-.05582	-.04238
	GRADIENT	.96334	.00000	.09636	.00500	.00758	.00293	.00453	.00395	.00668

ARC40X80-462(OA100) OV101 (MNA07C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 178/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
94.190	-5.234	-5.00000	-5.00000	97.50000	-.05577	-.05034	-.03133	-.06934	-.01504	-.13993
94.480	-2.643	-2.50000	-5.00000	98.00000	-.02337	-.00176	-.01257	-.05849	.01715	-.11252
94.510	-.049	.00000	-5.00000	98.50000	-.01012	.02483	.00870	-.04238	.03020	-.08538
94.470	2.548	2.50000	-5.00000	98.00000	.00364	.03065	.01174	-.03418	.03065	-.07740
94.270	5.145	5.00000	-5.00000	97.50000	.00396	.05283	.01211	-.03405	.03926	-.05577
94.150	7.746	7.50000	-5.00000	97.50000	-.01504	.01754	-.00418	-.03676	.00396	-.06934
94.150	10.349	10.00000	-5.00000	97.50000	-.04219	-.00147	-.02262	-.07749	-.05034	-.08020
94.370	12.957	12.50000	-5.00000	97.50000	-.08292	-.04762	-.05577	-.09649	-.08292	-.10464
94.300	15.565	15.00000	-5.00000	97.25000	-.12652	-.09658	-.10475	-.15102	-.13741	-.13197
94.200	18.196	17.50000	-5.00000	97.25000	-.21090	-.17279	-.13741	-.20001	-.21362	-.18096
94.170	20.818	20.00000	-5.00000	97.50000	-.25396	-.24853	-.21324	-.25939	-.29469	-.22138
	GRADIENT	.96328	-.00000	-.00005	.00520	.00624	.00468	.00468	.00260	.00676

ARC40X80-462(OA100) OV101 (MNA07D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 179/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
94.250	-5.223	-5.00000	-10.00000	95.00000	-.16982	-.14754	-.15590	-.19488	-.10577	-.19767
94.150	-2.632	-2.50000	-10.00000	94.75000	-.15056	-.11147	-.13381	-.16731	-.08355	-.16731
94.300	-.039	.00000	-10.00000	95.50000	-.13879	-.09723	-.11108	-.14710	-.07783	-.15541
94.240	2.556	2.50000	-10.00000	95.25000	-.13899	-.09621	-.09177	-.14176	-.08343	-.13899
94.350	5.153	5.00000	-10.00000	94.75000	-.13381	-.08355	-.10030	-.14777	-.10589	-.14497
94.130	7.751	7.50000	-10.00000	95.00000	-.16147	-.11134	-.11134	-.16704	-.13362	-.14754
94.300	10.357	10.00000	-10.00000	95.00000	-.18931	-.15311	-.13919	-.18374	-.16982	-.16147
94.440	12.965	12.50000	-10.00000	95.00000	-.24501	-.19488	-.16982	-.21159	-.23108	-.18931
94.390	15.580	15.00000	-10.00000	95.00000	-.29235	-.25058	-.19210	-.25893	-.28678	-.21159
94.270	18.201	17.50000	-10.00000	95.00000	-.33690	-.32019	-.23665	-.30070	-.35639	-.23665
94.070	20.817	20.00000	-10.00000	95.00000	-.39816	-.43158	-.28678	-.36186	-.42323	-.29235
	GRADIENT	.96376	-.00000	.09637	.00223	.00487	.00810	.00492	.00002	.00546

ARC40X80-462(OA100) OV101+NOSE GEAR (MNA07E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 180/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
94.090	-.048	.00000	5.00000	96.00000	.29712	.29712	.24751	.21167	.27507	.14276
94.500	10.345	10.00000	5.00000	96.50000	.25143	.30903	.20481	.19110	.23772	.14996
94.420	15.558	15.00000	5.00000	96.50000	.17190	.24595	.11705	.11705	.14996	.10334
94.220	20.813	20.00000	5.00000	96.00000	.01597	.11244	-.00884	-.00608	.04629	.02148
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (MNA07F) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 181/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
94.260	-5.240	-5.00000	.00000	96.50000	.09511	.08963	.08963	.04027	.09786	-.02007
94.390	-2.648	-2.50000	.00000	96.50000	.13077	.10883	.12254	.07592	.12254	-.00097
94.370	-.055	.00000	.00000	96.75000	.13028	.15764	.12755	.08104	.13028	.01539
93.980	2.539	2.50000	.00000	96.00000	.15103	.15830	.13174	.08591	.14552	.03527
94.500	5.138	5.00000	.00000	96.50000	.13077	.15819	.11705	.07592	.13625	.03478
94.490	7.739	7.50000	.00000	96.00000	.11520	.16757	.11244	.09212	.11796	.04078
94.370	10.347	10.00000	.00000	96.25000	.09551	.13675	.07301	.05427	.09001	.04052
94.240	12.946	12.50000	.00000	95.00000	.04078	.12623	.04353	.01597	.02148	.01321
94.570	15.556	15.00000	.00000	95.00000	.00736	.04575	.01284	-.02007	-.01458	-.02007
94.140	20.804	20.00000	.00000	96.00000	-.13012	-.09153	-.10255	-.12461	-.13287	-.08877
	GRADIENT	.96389	.00000	-.09841	.00391	.00973	.00177	.00385	.00443	.00697

ARC40X80-462(OA100) OV101+NOSE GEAR (MNA07G) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = -5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 182/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
94.590	-.048	.00000	-5.00000	96.75000	-.02017	.00719	-.00923	-.05300	.01266	-.09676
94.180	5.147	5.00000	-5.00000	96.00000	-.01985	.02148	-.00057	-.04191	-.00332	-.05570
94.460	10.351	10.00000	-5.00000	96.50000	-.07766	-.04749	-.04201	-.08863	-.06943	-.07492
94.200	15.563	15.00000	-5.00000	96.00000	-.16319	-.15768	-.10255	-.15217	-.15768	-.11634
94.470	20.815	20.00000	-5.00000	96.50000	-.26983	-.28060	-.22027	-.25318	-.26983	-.20655
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (MNA07H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 183/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
94.280	-.035	.00000	-10.00000	96.00000	-.18524	-.14390	-.15217	-.19351	-.13012	-.17422
94.380	5.152	5.00000	-10.00000	96.50000	-.18461	-.15171	-.12428	-.17913	-.14398	-.16542
94.250	10.356	10.00000	-10.00000	96.00000	-.23486	-.23210	-.15768	-.21005	-.21556	-.16044
94.220	15.581	15.00000	-10.00000	96.00000	-.31755	-.33830	-.21556	-.26794	-.29826	-.21281
94.530	20.834	20.00000	-10.00000	96.50000	-.43966	-.47257	-.29883	-.34916	-.43966	-.31625
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (MNA07I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 184/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
94.150	-.052	.00000	5.00000	95.75000	.27316	.27592	.27592	.22895	.28422	.13775
94.290	5.140	5.00000	5.00000	96.25000	.29622	.35120	.25497	.23298	.27422	.15875
94.410	10.342	10.00000	5.00000	96.50000	.23224	.34193	.21304	.21030	.25418	.16368
94.530	15.560	15.00000	5.00000	96.75000	.17952	.29442	.14123	.12208	.16311	.10840
94.310	20.818	20.00000	5.00000	95.75000	.02722	.14328	.02169	.02722	.05485	.02169
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (MNA07J) (16 MAR 82)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6900 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 185/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
94.060	-5.240	-5.00000	.00000	96.25000	.06252	.05977	.09551	.06252	.12300	-.02271
94.520	-2.649	-2.50000	.00000	96.75000	.09199	.12755	.13028	.08925	.13576	.00171
94.500	-.060	.00000	.00000	97.00000	.11616	.15582	.12880	.10252	.15709	.03430
93.980	2.537	2.50000	.00000	96.25000	.13125	.19174	.14225	.09551	.15050	.03502
94.070	5.133	5.00000	.00000	95.50000	.13272	.20752	.13272	.09948	.16597	.04684
93.670	7.736	7.50000	.00000	95.75000	.12394	.20131	.12394	.10183	.14052	.04656
94.470	10.340	10.00000	.00000	97.00000	.09887	.17892	.09879	.07523	.11616	.04522
94.200	12.941	12.50000	.00000	96.25000	.04052	.15875	.07361	.04602	.05702	.01303
95.730	15.555	15.00000	.00000	98.25000	.03043	.11397	.01965	-.00730	.02504	-.00999
94.370	18.192	17.50000	.00000	95.75000	-.02838	.04549	-.03395	-.05573	-.06941	-.02838
	GRADIENT	.96417	.00000	-.09652	.00757	.01239	.00231	.00120	.00284	.00642

ARC40X80-462(OA100) OV101(FTP OFF) (MNA07K) (16 MAR 82)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6900 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .3600

PARAMETRIC DATA

BETA = -5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 186/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
94.190	-.053	.00000	-5.00000	96.25000	-.03371	.04052	-.00072	-.04196	.04602	-.06945
93.830	5.144	5.00000	-5.00000	96.25000	-.01997	.05427	-.00072	-.03921	.02128	-.05571
93.970	10.346	10.00000	-5.00000	95.75000	-.07503	.02169	-.01976	-.06397	-.03358	-.06950
94.430	15.562	15.00000	-5.00000	96.75000	-.15147	-.06941	-.09576	-.14327	-.13780	-.12412
94.150	20.819	20.00000	-5.00000	96.25000	-.27841	-.22892	-.21242	-.23442	-.29490	-.21242
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (MNA07L) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 187/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
94.450	-.040	.00000	-10.00000	96.75000	-.16515	-.10223	-.13233	-.15695	-.08309	-.15147
94.330	5.151	5.00000	-10.00000	96.50000	-.16267	-.09686	-.10234	-.14622	-.10508	-.15171
94.270	10.353	10.00000	-10.00000	96.25000	-.20692	-.15743	-.14389	-.19318	-.19868	-.16568
94.200	20.827	20.00000	-10.00000	96.25000	-.42413	-.43512	-.29765	-.36639	-.44062	-.29490
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (MNA07M) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 188/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP80	CP81	CP82	CP83	CP84	CP85
94.160	-.073	.00000	.00000	96.25000	.10926	.17249	.13675	.08176	.14500	.02128
94.210	5.117	5.00000	.00000	96.25000	.13675	.19174	.13675	.10926	.15600	.04602
94.200	10.325	10.00000	.00000	96.25000	.09551	.17799	.10376	.06252	.11750	.02677
94.330	15.539	15.00000	.00000	96.25000	.01853	.11750	.01303	-.00622	.02677	-.00072
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (MNA07N) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 10.000
AILRON = .000 BDFLAP = 22.000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 189/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.640	-10.000	10.00000	10.55350	48.75000	-.23055	-.17152	-.14469	-.20372	-.18762	-.17689
47.530	-5.000	10.00000	10.53930	48.50000	-.06962	.02207	-.02647	-.05344	-.02647	-.06962
47.240	-2.000	10.00000	10.53680	48.00000	.02832	.11007	.03922	.01198	.05557	-.02617
47.530	.000	10.00000	10.53670	48.50000	.08141	.17310	.08141	.05444	.11916	.02207
47.490	2.000	10.00000	10.53580	48.75000	.15594	.25244	.14511	.10754	.14511	.06938
47.380	5.000	10.00000	10.53490	48.25000	.25560	.32609	.22307	.20681	.25560	.15259
47.450	10.000	10.00000	10.54590	48.75000	.38661	.46711	.33294	.34368	.38661	.26318
47.380	20.000	10.00000	10.53400	48.50000	.67475	.71790	.56687	.60463	.65857	.50214
	GRADIENT	.00000	-.00041	.00431	.03243	.03112	.02516	.02573	.02740	.02247

ARC40X80-462(OA100) OV101(FTP OFF) (MNA07O) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 10.000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000

RUN NO. 190/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP80	CP81	CP82	CP83	CP84	CP85
47.640	-10.000	10.00000	10.48410	48.50000	-.23144	-.14514	-.13435	-.18829	-.17750	-.17750
47.550	-5.000	10.00000	10.47300	48.50000	-.06962	.02207	-.02647	-.05344	-.03187	-.08041
47.650	-2.000	10.00000	10.46590	48.75000	.01095	.10754	.03778	.01095	.03778	-.01062
47.360	.000	10.00000	10.46350	48.50000	.09220	.17310	.09220	.08141	.11916	.03826
47.420	2.000	10.00000	10.46720	48.50000	.14614	.23783	.15153	.11916	.16232	.07062
47.500	5.000	10.00000	10.47040	48.75000	.25244	.32221	.21488	.21488	.26954	.14511
47.490	15.000	10.00000	10.48130	48.50000	.55089	.61541	.45899	.48056	.53990	.39426
47.330	20.000	10.00000	10.46300	48.75000	.67104	.72471	.56371	.60127	.64421	.49394
	GRADIENT	.00000	-.00018	.01293	.03243	.03037	.02473	.02686	.03019	.02224

ARC40X80-462(0A100) OV101 (MNA07P) (15 MAR 82)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 935.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 85/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.990	-13.000	10.00000	10.36050	47.50000	-.24576	-.26887	-.19150	-.26887	-.23571	-.25782
47.900	-10.000	10.00000	10.35670	47.50000	-.15835	-.18045	-.12520	-.19150	-.16940	-.18045
47.590	-5.000	10.00000	10.35060	47.50000	-.02573	-.01463	-.02573	-.06994	-.00363	-.08099
47.840	-2.000	10.00000	10.34730	47.50000	.06268	.08479	.06268	.00743	.07374	-.02573
47.790	.000	10.00000	10.34500	47.50000	.10699	.15110	.10699	.05163	.12899	.02953
47.800	2.000	10.00000	10.34700	47.50000	.17320	.22846	.15110	.11794	.18425	.06268
47.750	5.000	10.00000	10.34890	47.50000	.25056	.28372	.21741	.19530	.27267	.17320
47.630	10.000	10.00000	10.35780	47.50000	.39424	.44949	.33898	.31687	.40529	.26162
47.530	15.000	10.00000	10.35930	47.50000	.53791	.59317	.46054	.44949	.53791	.37243
	GRADIENT	.00000	-.00016	.00000	.02763	.03068	.02401	.02668	.02763	.02496

ARC40X80-462(0A100) OV101 (MNA07Q) (16 MAR 82)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 935.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000

RUN NO. 100/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP80	CP81	CP82	CP83	CP84	CP85
47.610	-13.000	10.00000	10.34010	46.00000	-.25311	-.27593	-.23029	-.25311	-.23029	-.23029
47.820	-10.000	10.00000	10.33610	46.00000	-.16182	-.16182	-.16182	-.19606	-.17323	-.17323
47.670	-5.000	10.00000	10.32700	46.00000	-.01349	.00933	-.02490	-.05913	-.02490	-.08195
47.670	-2.000	10.00000	10.32420	46.00000	.06638	.08920	.03215	.00933	.06638	-.01349
47.600	.000	10.00000	10.32430	46.00000	.12343	.14525	.08920	.07779	.12343	.03215
47.560	2.000	10.00000	10.32280	46.00000	.20330	.22612	.12343	.11202	.19189	.08920
47.750	5.000	10.00000	10.32720	46.00000	.27176	.31741	.20330	.22612	.26035	.14625
47.670	10.000	10.00000	10.33270	46.00000	.43151	.46574	.31741	.31741	.40869	.26035
47.610	15.000	10.00000	15.34150	46.00000	.54561	.59125	.43151	.46574	.53420	.37446
47.680	20.000	10.00000	15.33100	46.00000	.69394	.71676	.56843	.57984	.65971	.51138
	GRADIENT	.00000	-.00003	.00000	.02931	.03128	.02282	.02813	.02892	.02321

*** ERROR *** THERE WERE NO DATASETS FOR THE MASK NNA$$$

ARC40X80-462(OA100) OV101 (PNA02D) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 57/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.760	-.064	10.00000	.00000	46.50000	-.07033	-.08162	-.13806	.06513	-.35253	.15543	10.17740
47.770	2.461	10.00000	.00000	46.50000	-.07033	-.08162	-.12677	.05384	-.36382	.14414	10.17930
47.800	4.956	10.00000	.00000	46.50000	-.07033	-.08162	-.12677	.04255	-.32996	.16672	10.18250
47.880	7.495	10.00000	.00000	46.50000	-.07033	-.08162	-.12677	.05384	-.35253	.14414	10.18790
47.690	10.020	10.00000	.00000	46.50000	-.05904	-.08162	-.12677	.06513	-.36382	.16672	10.18750
47.640	15.039	10.00000	.00000	46.50000	-.07033	-.08162	-.12677	.06513	-.30738	.14414	10.21370
	GRADIENT	-.00000	.00000	.00000	.00000	.00000	.00225	-.00450	.00448	.00224	.00102

ARC40X80-462(OA100) OV101 (PNA02E) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 59/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.510	-.064	15.00000	.00000	46.00000	-.11618	-.12759	-.18465	-.07054	-.56118	.05497	15.39270
47.450	2.461	15.00000	.00000	46.50000	-.11548	-.13806	-.18321	-.07033	-.61216	.08770	15.38980
47.560	4.971	15.00000	.00000	46.50000	-.11548	-.12677	-.18321	-.07033	-.58958	.08770	15.39340
47.500	7.465	15.00000	.00000	46.50000	-.10419	-.12677	-.18321	-.07033	-.55572	.06513	15.39760
47.370	10.020	15.00000	.00000	46.50000	-.11548	-.12677	-.18321	-.07033	-.61216	.06513	15.39600
47.570	15.055	15.00000	.00000	46.50000	-.11548	-.13806	-.16064	-.04775	-.57830	.08770	15.39770
	GRADIENT	.00000	.00000	.09942	.00014	.00016	.00028	.00004	-.00566	.00651	.00014

ARC40X80-462(OA100) OV101 (PNA02F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 59/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
45.310	-.084	20.00000	.00000	44.00000	-.20268	-.21460	-.25038	-.19075	-.60917	-.05956	20.65880
47.090	2.461	20.00000	.00000	46.00000	-.19606	-.21888	-.24170	-.19606	-.62964	-.04772	20.65709
47.600	4.971	20.00000	.00000	46.50000	-.19450	-.20579	-.23965	-.19450	-.72504	-.03647	20.65230
47.390	7.480	20.00000	.00000	46.50000	-.18321	-.21708	-.25094	-.19450	-.61216	-.05904	20.65919
47.470	10.020	20.00000	.00000	46.50000	-.19450	-.19450	-.25094	-.21708	-.63474	-.05904	20.65590
47.360	15.010	20.00000	.00000	46.50000	-.19450	-.21708	-.23965	-.19450	-.71375	-.04775	20.65469
	GRADIENT	.00000	.00000	.49689	.00163	.00175	.00213	-.00075	-.02320	.00459	-.00129

ARC40X80-462(OA100) OV101 (PNA02G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 70/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
48.060	-.053	.00000	.00000	46.50000	-.08162	-.08162	-.10419	.30218	-.04775	.16672	-.34040
47.800	2.441	.00000	.00000	46.00000	-.08195	-.10477	-.10477	.32881	-.03631	.16907	-.33890
47.850	4.966	.00000	.00000	46.00000	-.08195	-.09336	-.11618	.27176	-.08195	.15766	-.32630
47.690	7.475	.00000	.00000	46.00000	-.08195	-.10477	-.11618	.30599	-.00208	.16907	-.30930
47.660	10.000	.00000	.00000	46.00000	-.08195	-.10477	-.12759	.29458	-.08195	.16907	-.28860
47.530	15.005	.00000	.00000	46.00000	-.03631	-.08195	-.09336	.30599	-.02490	.14625	-.25800
	GRADIENT	.00000	.00000	-.09942	-.00007	-.00233	-.00239	-.00609	-.00684	-.00181	.00281

ARC40X80-462(0A100) 0V101 (PNA02H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 71/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.420	-.058	5.00000	.00000	45.00000	-.02435	-.08266	-.09432	.18558	-.11765	.17392	4.84390
47.380	2.456	5.00000	.00000	45.00000	-.02435	-.07100	-.10598	.19724	-.22261	.18558	4.85130
47.560	4.966	5.00000	.00000	45.00000	-.02435	-.08266	-.09432	.19724	-.16429	.18558	4.86170
47.530	7.476	5.00000	.00000	45.00000	-.02435	-.08266	-.09432	.18558	-.14097	.17392	4.87510
47.490	9.986	5.00000	.00000	45.00000	-.02435	-.08266	-.09432	.19724	-.22261	.17392	4.89760
47.450	15.020	5.00000	.00000	45.00000	-.03601	-.08266	-.10598	.19724	-.09432	.17392	4.93140
	GRADIENT	-.00000	.00000	-.00000	.00000	.00000	-.00000	.00232	-.00930	.00232	.00354

ARC40X80-462(0A100) 0V101 (PNA02I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 72/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.650	-.053	10.00000	.00000	45.00000	-.04767	-.09432	-.12931	.08062	-.33923	.12727	10.03710
47.620	2.442	10.00000	.00000	45.00000	-.03601	-.08266	-.10598	.08062	-.37422	.12727	10.03800
47.580	5.408	10.00000	.00000	45.50000	-.03616	-.10537	-.11690	.07919	-.41681	.12533	10.07030
47.500	7.491	10.00000	.00000	45.00000	-.04767	-.08266	-.11765	.08062	-.31591	.15059	10.07050
47.460	10.000	10.00000	.00000	45.00000	-.02435	-.08266	-.12931	.08062	-.33923	.12727	10.09890
47.370	15.035	10.00000	.00000	45.00000	-.02435	-.08266	-.10598	.08062	-.37422	.12727	10.13050
	GRADIENT	.00000	.00000	.00000	.00468	.00468	.00935	.00000	-.01403	.00000	.00036

ARC40X80-462(OA100) OV101 (PNA02J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 73/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.540	-.053	15.00000	.00000	45.00000	-.08266	-.14097	-.16429	-.03601	-.50251	.05729	15.23020
47.580	2.456	15.00000	.00000	45.50000	-.08230	-.13997	-.16304	-.04769	-.64751	.04459	15.22850
47.480	4.995	15.00000	.00000	45.00000	-.08266	-.14097	-.15263	-.03601	-.54916	.06895	15.23270
47.420	7.491	15.00000	.00000	45.00000	-.08266	-.14097	-.15263	-.04767	-.52583	.05729	15.26340
47.350	9.970	15.00000	.00000	45.00000	-.08266	-.14097	-.15263	-.04767	-.63080	.03397	15.28240
47.430	15.020	15.00000	.00000	45.00000	-.07100	-.14097	-.15263	-.03601	-.60747	.04563	15.33470
	GRADIENT	-.00000	.00000	-.00001	-.00000	-.00000	.00232	.00000	-.00929	.00232	.00050

ARC40X80-462(OA100) OV101 (PNA02K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 74/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.470	-.069	20.00000	.00000	45.00000	-.15263	-.22261	-.24593	-.18762	-.66578	-.08266	20.48309
47.470	2.456	20.00000	.00000	45.00000	-.16429	-.22261	-.22261	-.16429	-.75908	-.08266	20.48579
47.410	4.991	20.00000	.00000	45.00000	-.15263	-.22261	-.24593	-.18762	-.66578	-.08266	20.48569
47.390	7.461	20.00000	.00000	45.00000	-.16429	-.22261	-.24593	-.17596	-.66578	-.05933	20.48810
47.330	9.986	20.00000	.00000	45.00000	-.16429	-.22261	-.23427	-.18762	-.60747	-.05933	20.49449
47.780	15.020	20.00000	.00000	45.50000	-.16304	-.22072	-.24379	-.18611	-.75133	-.05923	20.56299
	GRADIENT	-.00000	.00000	.00000	.00000	.00000	-.00000	-.00000	.00000	.00000	.00051

ARC40X80-462(OA100) OV101 (PNA02L) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = .000 BETA = 5.000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 60/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.680	.000	.00000	5.00000	46.50000	.00869	-.01389	-.04775	.25702	.03126	.32475	-.04990
47.880	2.524	.00000	5.00000	46.50000	.00869	-.01389	-.04775	.26831	.04255	.30218	-.05140
47.850	5.005	.00000	5.00000	46.50000	.00869	-.01389	-.04775	.26831	.04255	.32475	-.05250
47.800	7.514	.00000	5.00000	46.50000	.00869	-.01389	-.04775	.26831	.04255	.30218	-.05330
47.730	10.024	.00000	5.00000	46.50000	.00869	-.01389	-.04775	.25702	.04255	.31347	-.05380
47.790	15.088	.00000	5.00000	46.50000	.00869	-.01389	-.04775	.26831	.04255	.30218	-.05320
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00447	.00447	-.00894	-.00059

ARC40X80-462(OA100) OV101 (PNA02M) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 5.000 BETA = 5.000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 61/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.920	.000	5.00000	5.00000	46.50000	.04255	.00869	-.02518	.14414	-.10419	.30218	5.14540
47.840	2.510	5.00000	5.00000	46.50000	.04255	.00869	-.04775	.14414	-.12677	.30218	5.14770
47.740	4.980	5.00000	5.00000	46.50000	.03126	.01997	-.04775	.14414	-.12677	.30218	5.14580
47.700	7.514	5.00000	5.00000	46.50000	.03126	.00869	-.02518	.12157	-.10419	.30218	5.14660
47.820	10.009	5.00000	5.00000	46.50000	.04255	.00869	-.03647	.12157	-.11548	.30218	5.14540
47.620	15.058	5.00000	5.00000	46.50000	.04255	.00869	-.04775	.15543	-.10419	.30218	5.14370
	GRADIENT	-.00000	-.00000	-.00000	-.00226	.00226	-.00453	.00000	-.00453	-.00000	.00008

ARC40X80-462(OA100) OV101 (PNA02N) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 62/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.830	.000	10.00000	5.00000	46.50000	.03126	-.01389	-.04775	.00869	-.23965	.26831	10.34720
47.820	2.495	10.00000	5.00000	46.50000	.03126	-.01389	-.04775	.03126	-.22837	.26831	10.34480
47.780	5.005	10.00000	5.00000	46.50000	.03126	-.01389	-.04775	.03126	-.19450	.26831	10.34240
47.670	7.499	10.00000	5.00000	46.50000	.03126	-.00260	-.04775	.03126	-.21708	.24574	10.34300
47.670	10.024	10.00000	5.00000	46.50000	.03126	-.01389	-.04775	.00869	-.21708	.26831	10.34630
47.800	15.083	10.00000	5.00000	46.50000	.03126	-.01389	-.04775	.00869	-.23965	.24574	10.34780
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00905	.00452	.00000	-.00096

ARC40X80-462(OA100) OV101 (PNA020) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 63/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.700	.000	15.00000	5.00000	46.50000	-.01389	-.04775	-.10419	-.08162	-.51057	.18930	15.55740
47.800	2.524	15.00000	5.00000	46.50000	-.01389	-.04775	-.10419	-.10419	-.47670	.18930	15.55920
47.750	5.005	15.00000	5.00000	46.50000	-.01389	-.04775	-.08162	-.08162	-.64603	.16672	15.55860
47.700	7.499	15.00000	5.00000	46.50000	-.00260	-.04775	-.10419	-.08162	-.57830	.16672	15.55630
47.770	10.024	15.00000	5.00000	46.50000	-.02518	-.04775	-.09291	-.08162	-.36382	.16672	15.56090
47.900	15.058	15.00000	5.00000	46.50000	-.02518	-.04775	-.08162	-.10419	-.46542	.18930	15.55880
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00994	.01341	.00000	.00071

ARC40X80-462(0A100) OV101 (PNA02P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 64/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.710	.000	20.00000	5.00000	46.50000	-.08162	-.13806	-.16054	-.21708	-.91694	.04255	20.81099
48.030	2.524	20.00000	5.00000	46.50000	-.10419	-.11548	-.18321	-.21708	-.75891	.05384	20.81099
47.850	5.020	20.00000	5.00000	46.50000	-.10419	-.12677	-.18321	-.21708	-.90565	.01997	20.81439
47.840	7.499	20.00000	5.00000	46.50000	-.09281	-.12677	-.18321	-.21708	-.97338	.05384	20.81369
47.810	10.009	20.00000	5.00000	46.00000	-.09336	-.12759	-.16182	-.19606	-.81221	.05497	20.81110
47.700	15.073	20.00000	5.00000	46.50000	-.10419	-.12677	-.18321	-.21708	-1.00725	.05384	20.80440
	GRADIENT	.00000	.00000	.00000	-.00894	.00894	-.00894	.00000	.06260	.00447	.00000

ARC40X80-462(0A100) OV101 (PNA02Q) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 65/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.570	.035	.00000	5.00000	46.00000	.00933	-.01349	-.04772	.26035	.03215	.30599	.09770
47.800	2.559	.00000	5.00000	46.50000	-.00260	-.01389	-.04775	.23445	.03126	.30218	.09610
47.770	5.068	.00000	5.00000	46.50000	.00869	-.01389	-.04775	.25702	.00869	.30218	.09620
47.740	7.533	.00000	5.00000	46.00000	-.01349	-.04772	-.04772	.26035	.00933	.30599	.09890
47.730	10.043	.00000	5.00000	46.00000	.00933	-.01349	-.04772	.27176	.02074	.30599	.09560
47.770	12.555	.00000	5.00000	46.00000	.03215	-.01349	-.03631	.26035	.04356	.30599	.08890
	GRADIENT	.00000	.00000	.19811	-.00473	-.00016	-.00001	-.01026	-.00035	-.00151	-.00063

ARC40X80-462(OA100) OV101 (PNA02R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 66/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.850	.049	5.00000	5.00000	46.50000	.03126	-.01389	-.03647	.14414	-.12677	.30218	5.29310
47.690	2.559	5.00000	5.00000	46.50000	.03126	.00869	-.04775	.12157	-.12677	.30218	5.29330
47.780	5.024	5.00000	5.00000	46.50000	.03126	-.01389	-.07033	.14414	-.12677	.30218	5.29510
47.750	7.518	5.00000	5.00000	46.00000	.03215	-.01349	-.01349	.14625	-.10477	.30599	5.29330
47.710	10.043	5.00000	5.00000	46.00000	.04359	-.01349	-.03631	.12343	-.12759	.30599	5.29450
47.610	12.896	5.00000	5.00000	46.00000	.03215	-.00808	-.04772	.10061	-.12759	.30599	5.29640
	GRADIENT	.00000	.00000	-.00000	-.00000	.00900	-.00450	-.00900	.00000	.00000	.00008

ARC40X80-462(OA100) OV101 (PNA02S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 67/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.830	.049	10.00000	5.00000	46.00000	.03215	-.02490	-.07054	-.01349	-.24170	.24694	10.49490
47.440	2.555	10.00000	5.00000	45.50000	.00998	-.01389	-.07076	.00998	-.23225	.25222	10.49360
47.780	5.058	10.00000	5.00000	46.00000	.03215	-.01349	-.04772	-.01349	-.24170	.26035	10.49550
47.740	7.578	10.00000	5.00000	46.00000	.02074	-.04772	-.07054	-.01349	-.24170	.27176	10.49660
47.710	10.043	10.00000	5.00000	46.00000	.03215	-.01349	-.04772	-.01349	-.24170	.26035	10.49480
47.810	12.896	10.00000	5.00000	46.50000	.00869	-.03647	-.04775	-.01389	-.21708	.26831	10.49630
	GRADIENT	.00000	.00000	-.19926	-.00983	.00471	-.00009	.00935	.00376	.00130	-.00044

ARC40X80-462(0A100) 1 (PNA02T) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 15.000 BETA = 5.000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 68/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.580	.049	15.00000	5.00000	46.00000	-.01349	-.07054	-.10477	-.11618	-.60682	.16907	15.70980
47.690	2.543	15.00000	5.00000	46.00000	-.02490	-.04772	-.10477	-.10477	-.67528	.16907	15.71140
47.710	5.038	15.00000	5.00000	46.00000	-.04772	-.04772	-.10477	-.12759	-.67528	.16907	15.71090
47.740	7.534	15.00000	5.00000	46.00000	-.04772	-.04772	-.10477	-.10477	-.56118	.15766	15.71150
47.700	10.058	15.00000	5.00000	46.50000	.00869	-.01309	-.07033	-.08162	-.72504	.16672	15.71250
47.800	12.896	15.00000	5.00000	46.50000	.00869	-.03647	-.07033	-.10419	-.57830	.16672	15.70700
	GRADIENT	.00000	.00000	.00000	-.00457	.00915	.00000	.00457	-.02745	.00000	.00064

ARC40X80-462(0A100) OV101 (PNA02U) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 20.000 BETA = 5.000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 69/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.550	.064	20.00000	5.00000	46.00000	-.08195	-.12759	-.16182	-.19506	-.92631	.02074	20.96309
47.680	2.559	20.00000	5.00000	46.50000	-.10419	-.14935	-.18321	-.21708	-.95081	.03126	20.96489
47.610	5.054	20.00000	5.00000	46.50000	-.09291	-.10419	-.13806	-.21708	-.81535	.04255	20.95999
47.460	7.534	20.00000	5.00000	45.00000	-.08266	-.12931	-.16429	-.19928	-.86404	.04563	20.96539
47.300	10.058	20.00000	5.00000	46.00000	-.10477	-.13900	-.16182	-.20747	-.92631	.02074	20.95909
47.320	12.896	20.00000	5.00000	45.50000	-.10537	-.15151	-.16304	-.22072	-.84361	.02152	20.94559
	GRADIENT	.00000	.00000	.20047	-.00892	-.00872	-.00858	-.00843	-.00992	.00422	.00078

ARC40X80-462(OA100) OV101 (PNA02V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 75/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.400	.000	.00000	10.00000	46.00000	.12343	.10061	.06638	.21471	-.01349	.44292	-.04110
47.350	2.524	.00000	10.00000	46.00000	.13484	.11202	.06638	.21471	-.01349	.44292	-.04090
47.470	5.005	.00000	10.00000	46.00000	.13484	.10061	.07779	.21471	-.00208	.44292	-.03870
47.420	7.514	.00000	10.00000	46.00000	.13484	.07779	.06638	.21471	-.02490	.44292	-.03860
47.490	10.009	.00000	10.00000	46.00000	.13484	.10061	.07779	.21471	-.01349	.44292	-.03640
47.360	15.058	.00000	10.00000	46.00000	.12343	.10061	.06638	.23753	-.01349	.46574	-.03750
	GRADIENT	.00000	.00000	.00000	.00452	.00452	.00000	.00000	.00000	.00000	.00008

ARC40X80-462(OA100) OV101 (PNA02W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 76/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.750	.000	5.00000	10.00000	46.00000	.15766	.13484	.07779	.10061	-.15041	.44292	5.14960
47.750	2.509	5.00000	10.00000	46.00000	.15766	.12343	.10061	.10061	-.15041	.46574	5.15250
47.660	4.990	5.00000	10.00000	46.00000	.15766	.12343	.07779	.10061	-.18465	.44292	5.15210
47.580	7.514	5.00000	10.00000	46.00000	.13484	.12343	.07779	.10061	-.15041	.46574	5.15420
47.440	10.024	5.00000	10.00000	46.00000	.15766	.12343	.07779	.12343	-.15041	.44292	5.15550
47.440	15.058	5.00000	10.00000	46.00000	.19199	.13484	.07779	.10061	-.15041	.44292	5.15870
	GRADIENT	.00000	.00000	-.00000	.00000	-.00229	.00002	-.00000	-.00685	.00002	.00050

ARC40X80-462(0A100) OV101 (PNA02X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 77/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.680	.000	10.00000	10.00000	46.00000	.15768	.10061	.06638	-.03631	-.29875	.40869	10.35210
47.630	2.509	10.00000	10.00000	46.50000	.18930	.09899	.06513	-.01389	-.26223	.38120	10.35130
47.600	5.019	10.00000	10.00000	46.00000	.14625	.11202	.06638	-.02490	-.26452	.40869	10.34970
47.450	7.529	10.00000	10.00000	46.00000	.18048	.11202	.06638	-.02490	-.29875	.40869	10.35210
47.390	10.024	10.00000	10.00000	46.00000	.15765	.12343	.04356	-.01349	-.27593	.40869	10.35430
47.370	15.058	10.00000	10.00000	46.00000	.15765	.12343	.07779	.00933	-.26452	.40869	10.36380
	GRADIENT	.00000	.00000	.19926	.01261	-.00065	-.00050	.00894	.01455	-.01096	-.00132

ARC40X80-462(0A100) OV101 (PNA02Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 78/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.490	.000	15.00000	10.00000	46.50000	.11028	.07641	.00869	-.10419	-.39769	.30218	15.57450
47.420	2.481	15.00000	10.00000	46.00000	.11202	.06639	.00933	-.19606	-.42426	.30599	15.57630
47.490	5.005	15.00000	10.00000	46.00000	.10061	.07779	.00933	-.19606	-.42426	.32881	15.57790
47.420	7.514	15.00000	10.00000	47.50000	.09584	.07374	.00743	-.15835	-.39044	.29477	15.57640
47.270	10.024	15.00000	10.00000	45.00000	.15059	.11560	.03397	-.14097	-.43253	.31387	15.57920
47.500	15.088	15.00000	10.00000	46.00000	.08920	.07779	.03215	-.16182	-.42426	.30599	15.58190
	GRADIENT	.00000	.00000	-.20154	.00070	-.00404	.00026	-.02703	-.01071	.00154	.00073

ARC40X80-462(0A100) OV101 (PNA02Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 79/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.610	.000	20.00000	10.00000	46.00000	.08920	.05497	-.04772	-.29875	-.61823	.19189	20.82259
47.510	2.510	20.00000	10.00000	46.00000	.04356	-.00208	-.04772	-.31016	-.53836	.19189	20.82199
47.470	5.020	20.00000	10.00000	46.00000	.05497	-.01249	-.03913	-.31016	-.67528	.18048	20.82559
47.420	7.514	20.00000	10.00000	46.00000	.00933	.00933	-.04772	-.31016	-.51554	.20330	20.82520
47.380	10.009	20.00000	10.00000	47.00000	.05273	.03039	-.02545	-.30467	-.50571	.17558	20.82780
47.730	15.073	20.00000	10.00000	46.00000	.06638	.00933	-.04772	-.33298	-.56118	.18048	20.82548
	GRADIENT	.00000	.00000	.00000	-.01818	-.02273	.00000	-.00455	.03182	.00000	-.00024

ARC40X80-462(0A100) OV101 (PNA03A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 80/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.370	.035	.00000	10.00000	46.00000	.11202	.08320	.06638	.22612	.00933	.47715	.10890
47.290	2.559	.00000	10.00000	46.00000	.12343	.10061	.06638	.20330	-.00208	.46574	.10520
47.470	5.053	.00000	10.00000	46.00000	.12343	.10061	.06638	.22612	.00933	.46574	.10540
47.510	7.533	.00000	10.00000	46.00000	.12343	.08320	.06638	.22612	.00933	.47715	.10220
47.370	10.056	.00000	10.00000	46.00000	.12343	.08320	.06638	.22612	.00933	.46574	.10200
47.570	12.896	.00000	10.00000	46.50000	.12157	.08770	.06513	.21187	.00869	.46021	.09530
	GRADIENT	.00000	.00000	-.00000	.00452	.00452	-.00000	-.00904	-.00452	-.00452	-.00147

ARC40X80-462(OA100) OV101 (PNA03B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 81/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.580	.010	5.00000	10.00000	46.00000	.16907	.11202	.05497	.08920	-.15041	.46574	5.30290
47.460	2.529	5.00000	10.00000	46.00000	.14625	.11202	.06638	.08920	-.17323	.46574	5.29670
47.450	5.054	5.00000	10.00000	46.00000	.14625	.11202	.06638	.08920	-.16182	.44292	5.29710
47.340	7.548	5.00000	10.00000	46.00000	.14625	.11202	.08920	.08920	-.17323	.44292	5.29960
47.720	10.043	5.00000	10.00000	46.00000	.16907	.12343	.07779	.08920	-.19606	.44292	5.30020
47.370	12.896	5.00000	10.00000	46.00000	.15786	.12343	.08920	.08920	-.17323	.47715	5.30320
	GRADIENT	.00000	.00000	.00000	-.00906	.00000	.00453	-.00000	-.00906	-.00000	-.00246

ARC40X80-462(OA100) OV101 (PNA03C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 82/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.560	.064	10.00000	10.00000	46.00000	.14625	.11202	.05497	-.02490	-.31016	.40869	10.50020
47.530	2.543	10.00000	10.00000	46.00000	.14625	.11202	.05497	-.02490	-.31016	.40869	10.49990
47.500	5.053	10.00000	10.00000	46.00000	.14625	.11202	.06638	-.02490	-.31016	.38587	10.50610
47.540	7.563	10.00000	10.00000	46.00000	.14625	.11202	.06638	-.04772	-.31016	.39587	10.50840
47.370	10.043	10.00000	10.00000	46.00000	.14625	.12343	.06638	-.02490	-.31016	.40869	10.50960
47.080	12.896	10.00000	10.00000	46.00000	.14625	.11202	.06638	-.02490	-.31016	.38587	10.51190
	GRADIENT	.00000	.00000	-.00000	.00000	.00000	-.00000	.00000	.00000	.00000	-.00012

ARC40X80-462(OA100) OV101 (PNA03D) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 15.000 BETA = 10.000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 83/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.350	.049	15.00000	10.00000	46.00000	.11202	.08638	.00933	-.17323	-.42426	.30599	15.73260
47.310	2.543	15.00000	10.00000	46.00000	.08920	.08638	.00933	-.17323	-.41285	.31741	15.73400
47.290	5.039	15.00000	10.00000	46.00000	.08920	.07779	.00933	-.18465	-.41285	.32881	15.73690
47.380	7.549	15.00000	10.00000	46.00000	.11202	.08920	-.01349	-.16182	-.40144	.32881	15.73080
47.350	10.028	15.00000	10.00000	46.00000	.11202	.08920	.00933	-.19606	-.42426	.32881	15.73340
47.360	12.896	15.00000	10.00000	46.00000	.12343	.07779	.00933	-.17323	-.42426	.30599	15.73140
	GRADIENT	-.00000	.00000	.00000	-.00915	-.00000	.00000	.00000	.00458	.00458	.00056

ARC40X80-462(OA100) OV101 (PNA03E) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 20.000 BETA = 10.000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 84/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.920	.035	20.00000	10.00000	47.50000	.00743	-.02573	-.05888	-.32413	-.51201	.17320	20.98369
47.790	2.559	20.00000	10.00000	47.50000	.02953	-.01468	-.05888	-.37938	-.62252	.14005	20.98430
47.750	5.038	20.00000	10.00000	47.50000	.04058	-.01468	-.05868	-.32413	-.54516	.17320	20.98329
47.640	7.548	20.00000	10.00000	46.50000	.03126	-.03647	-.05904	-.32996	-.51057	.15543	20.98200
47.520	10.058	20.00000	10.00000	47.50000	.02953	.00743	-.05888	-.32413	-.55621	.15110	20.97629
47.560	12.896	20.00000	10.00000	47.50000	.00743	-.01488	-.06994	-.32413	-.54516	.16215	20.97119
	GRADIENT	.00000	.00000	-.00000	.00876	.00438	.00000	-.02189	-.04379	-.01314	.00024

ARC40X80-462(0A100) OV101(RCS PORTS CLOSED) (PNA03R) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 101/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP85	CP87	CP88	CP89	CP90	CP79
47.480	-5.240	-5.00000	.00000	46.00000	-.11618	-.13900	-.16182	.44292	.35164	.16907
47.690	-2.649	-2.50000	.00000	46.00000	-.10477	-.11618	-.13900	.37446	.29458	.18048
47.600	-.056	.00000	.00000	46.00000	-.05913	-.08195	-.08195	.29458	.26035	.19048
47.720	2.541	2.50000	.00000	46.00000	-.05913	-.08195	-.11618	.23753	.21471	.18048
47.640	5.139	5.00000	.00000	46.00000	-.05913	-.08195	-.10477	.16907	.14625	.18048
47.850	7.739	7.50000	.00000	46.00000	-.04772	-.08195	-.12759	.11202	.12343	.15766
47.600	10.342	10.00000	.00000	46.00000	-.05913	-.09336	-.12759	.05497	.07779	.12343
47.730	12.941	12.50000	.00000	46.00000	-.08195	-.10477	-.13900	-.01349	.03215	.08920
47.580	15.556	15.00000	.00000	46.00000	-.10477	-.13900	-.16182	-.07054	.00933	.02074
47.500	18.180	17.50000	.00000	46.00000	-.16182	-.17323	-.19606	-.16182	-.07054	-.04772
47.570	20.826	20.00000	.00000	46.00000	-.21908	-.25311	-.25311	-.23029	-.12759	-.13900
46.010	26.005	25.00000	.00000	44.50000	-.31889	-.35427	-.35427	-.33059	-.18917	-.27172
	GRADIENT	.96343	.00000	.00000	.00879	.00659	.00439	-.02639	-.01539	.00000

ARC40X80-462(0A100) OV101(RCS PORTS CLOSED) (PNA03S) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 102/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.510	-13.000	.00000	-.03430	46.00000	-.26734	-.27593	-.27593	.18048	.08920	-.18465
47.670	-10.000	.00000	-.03780	46.00000	-.23029	-.21893	-.23029	.23753	.20330	-.10477
47.610	-5.000	.00000	-.04030	46.50000	-.17192	-.17192	-.19450	.27960	.25702	.00869
47.630	-2.000	.00000	-.05370	46.50000	-.10419	-.13086	-.16084	.31347	.27360	.11028
47.730	.000	.00000	-.05920	47.00000	-.05096	-.08130	-.10364	.28727	.27610	.18675
47.580	2.000	.00000	-.05580	46.50000	-.02518	-.04775	-.08162	.31347	.27960	.22316
47.730	5.000	.00000	-.05050	47.00000	.00805	.00805	-.02545	.27610	.25376	.28727
47.630	10.000	.00000	-.04280	46.50000	.14414	.08770	.06513	.20058	.20058	.44892
47.590	15.000	.00000	-.03150	46.00000	.27176	.23753	.19189	.12343	.06638	.57984
47.660	20.000	.00000	-.02170	47.00000	.36545	.30961	.25376	-.04779	-.04779	.70051
	GRADIENT	.00000	-.00026	.04310	.01824	.01863	.01730	-.00030	-.00028	.02791

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (PNA03T) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 103/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.550	-13.000	5.00000	5.15850	46.50000	-.25094	-.25094	-.25094	.03126	.03126	-.18321
47.650	-10.000	5.00000	5.15620	46.00000	-.21888	-.21888	-.24170	.08920	.08920	-.10477
47.600	-5.000	5.00000	5.14610	47.00000	-.13714	-.15948	-.18162	.16441	.14208	.03039
47.660	-2.000	5.00000	5.13950	47.00000	-.08139	-.11480	-.13714	.17558	.19792	.11974
47.650	.000	5.00000	5.14090	46.00000	-.04772	-.05813	-.10477	.18048	.18048	.18048
47.620	2.000	5.00000	5.13740	46.50000	-.02518	-.03347	-.08162	.17801	.17801	.22316
47.710	5.000	5.00000	5.14340	47.00000	.08623	.05273	-.00312	.14209	.17558	.30961
47.750	10.000	5.00000	5.14940	47.00000	.19792	.11974	.08623	.08623	.10857	.44363
47.650	15.000	5.00000	5.15490	47.00000	.28727	.22026	.16441	-.02545	-.02545	.58649
47.600	20.000	5.00000	5.14870	46.50000	.40377	.38991	.29089	-.18321	-.13806	.68597
	GRADIENT	.00000	-.00031	-.01724	.02119	.02099	.01732	-.00184	.00220	.02764

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (PNA03U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 104/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.610	-13.000	10.00000	10.35620	47.00000	-.28233	-.27116	-.28233	-.08130	-.05896	-.22649
47.590	-10.000	10.00000	10.35530	46.50000	-.25094	-.25094	-.27352	-.05904	.00869	-.13806
47.560	-5.000	10.00000	10.34610	46.00000	-.16182	-.17323	-.19606	.03215	.05497	.00933
47.520	-2.000	10.00000	10.34310	46.00000	-.08195	-.10477	-.12759	.00933	.08920	.06638
47.450	.000	10.00000	10.34350	46.00000	-.05913	-.08195	-.11618	.06638	.08920	.12343
47.610	2.000	10.00000	10.34430	47.50000	-.01468	-.04783	-.08099	.05163	.08479	.19530
47.660	5.000	10.00000	10.34630	47.50000	.06268	.02953	-.00363	.00743	.06268	.25056
47.470	10.000	10.00000	10.35090	46.50000	.14414	.12157	.05384	-.02518	.00869	.39248
47.600	15.000	10.00000	10.35330	46.50000	.26831	.22316	.14414	-.14935	-.09162	.51665
47.630	20.000	10.00000	10.34310	46.50000	.39248	.33604	.27860	-.30738	-.25094	.65211
	GRADIENT	.00000	.00006	.18103	.02167	.01944	.01820	-.00067	.00051	.02524

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (PNA03V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 105/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.610	-13.000	15.00000	15.57470	46.00000	-.33298	-.33298	-.33298	-.23029	-.17323	-.27593
47.680	-10.000	15.00000	15.58040	46.50000	-.28481	-.28481	-.30738	-.17192	-.10419	-.21708
47.610	-5.000	15.00000	15.55980	46.50000	-.19450	-.21709	-.22337	-.08162	-.00260	-.09162
47.520	-2.000	15.00000	15.55580	46.50000	-.14935	-.16084	-.19450	-.04775	-.00260	.00869
47.510	.000	15.00000	15.55580	46.00000	-.10477	-.13800	-.17323	-.05913	.00933	.05497
47.690	2.000	15.00000	15.55470	47.00000	-.05896	-.10364	-.13714	-.05896	-.00312	.08623
47.550	5.000	15.00000	15.55750	46.50000	-.00260	-.02518	-.08162	-.08162	.00869	.17801
47.640	10.000	15.00000	15.57710	47.00000	.11974	.08623	.00805	-.15948	-.08130	.30951
47.540	15.000	15.00000	15.58260	46.00000	.23753	.20330	.12343	-.27593	-.18465	.43151
47.330	20.000	15.00000	15.56830	46.00000	.37446	.31741	.23753	-.42426	-.31016	.56843
	GRADIENT	.00000	-.00023	.01724	.01966	.01851	.01463	-.00039	.00096	.02506

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (PNA03W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 106/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.510	-13.000	20.00000	20.83679	46.00000	-.42426	-.42426	-.42426	-.33298	-.25311	-.39003
47.660	-10.000	20.00000	20.83179	46.50000	-.38640	-.37511	-.36382	-.29609	-.19450	-.30738
47.540	-5.000	20.00000	20.81670	46.00000	-.27593	-.28734	-.31016	-.25311	-.10477	-.19606
47.630	-2.000	20.00000	20.82199	47.00000	-.21532	-.24893	-.27116	-.21532	-.10364	-.13714
47.540	.000	20.00000	20.82419	46.00000	-.19606	-.21088	-.25311	-.19606	-.07054	-.08195
47.670	2.000	20.00000	20.81980	47.00000	-.13714	-.15948	-.21532	-.18182	-.05896	-.02545
47.760	5.000	20.00000	20.80379	47.00000	-.07013	-.10364	-.15948	-.20415	-.08130	.06389
47.800	10.000	20.00000	20.82329	47.00000	.05273	.00805	-.04779	-.33818	-.17065	.17568
47.650	15.000	20.00000	20.82309	46.50000	.17801	.12157	.06513	-.36382	-.25094	.31347
47.520	20.000	20.00000	20.80010	46.00000	.29458	.23753	.18048	-.53836	-.41285	.46574
	GRADIENT	.00000	-.00120	.08621	.02044	.01892	.01492	.00538	.00356	.02626

ARC40X80-462(OA100) OV101 (PNA03X) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000

RUN NO. 88/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.710	-.075	.00000	.00000	46.50000	-.10419	-.10419	-.13806	.31347	-.00260	.15543
47.670	10.320	10.00000	.00000	47.50000	-.04783	-.08099	-.13625	.06268	-.41254	.09584
47.790	15.535	15.00000	.00000	47.00000	-.10364	-.13714	-.18182	-.04779	-.58369	.03039
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (PNA03Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-15.000

RUN NO. 89/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.690	-.072	.00000	.00000	46.50000	-.05904	-.10419	-.12677	.27960	-.03647	.15543
47.740	10.326	10.00000	.00000	46.50000	-.05904	-.08162	-.13806	.05384	-.34125	.09899
47.760	15.535	15.00000	.00000	46.50000	-.10419	-.13806	-.18321	-.04775	-.56701	.04255
47.760	20.801	20.00000	.00000	46.50000	-.19450	-.23865	-.27352	-.17192	-.58958	-.07033
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (PNA03Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 90/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.790	-.073	.00000	.00000	46.50000	-.08162	-.10419	-.12677	.30218	-.05904	.15543
47.600	5.118	5.00000	.00000	46.00000	-.02490	-.07054	-.12759	.18048	-.13900	.15766
47.860	10.323	10.00000	.00000	46.00000	-.05913	-.10477	-.13900	.05497	-.37862	.10061
47.710	15.537	15.00000	.00000	47.50000	-.08099	-.12520	-.15835	-.04783	-.53411	.04058
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (PNA04A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 91/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.650	-.074	.00000	.00000	45.50000	-.07076	-.10537	-.12844	.28682	.03305	.14840
47.790	5.119	5.00000	.00000	46.50000	-.04775	-.09291	-.12677	.17801	-.20579	.14414
47.710	10.321	10.00000	.00000	46.00000	-.04772	-.10477	-.13900	.03215	-.43567	.10061
47.710	15.535	15.00000	.00000	46.00000	-.08195	-.12759	-.16182	-.08195	-.53836	.03215
47.720	20.804	20.00000	.00000	46.50000	-.17192	-.21708	-.23965	-.17192	-.62345	-.08162
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (PNA04B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	10.000

RUN NO. 92/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.670	-.074	.00000	.00000	46.00000	-.07054	-.10477	-.12759	.29458	-.04772	.14625
47.690	5.119	5.00000	.00000	45.00000	-.04767	-.08266	-.11765	.17392	-.17596	.15059
47.570	10.324	10.00000	.00000	46.00000	-.05913	-.10477	-.13900	.06638	-.40144	.09920
47.720	15.537	15.00000	.00000	45.50000	-.10537	-.16304	-.18611	-.04769	-.63598	.03305
47.780	20.801	20.00000	.00000	46.00000	-.19606	-.24170	-.26452	-.17323	-.85246	-.10477
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (PNA04C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	15.000

RUN NO. 93/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.680	-.073	.00000	.00000	45.00000	-.07100	-.10598	-.14097	.32553	-.03601	.16225
47.710	5.118	5.00000	.00000	46.00000	-.04772	-.08195	-.12759	.20330	-.16182	.15766
47.630	10.324	10.00000	.00000	45.50000	-.04769	-.10537	-.13997	.06765	-.39821	.10226
47.710	15.539	15.00000	.00000	45.50000	-.10537	-.16304	-.18611	-.05923	-.60137	.03305
47.670	20.802	20.00000	.00000	46.00000	-.19606	-.24170	-.27593	-.19606	-.62954	-.08195
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (PNA04D) (15 APR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6900 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	48.000	RUDDER =	19.500

RUN NO. 94/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.870	-.072	.00000	.00000	45.00000	-.07100	-.10598	-.12931	.30220	-.05933	.16225
47.720	5.119	5.00000	.00000	45.50000	-.04769	-.10537	-.12844	.18300	-.17458	.15993
47.720	10.322	10.00000	.00000	46.00000	-.02490	-.09336	-.12759	.06638	-.32157	.19061
47.720	15.534	15.00000	.00000	46.00000	-.07054	-.12759	-.17323	-.05913	-.53836	.00933
47.660	20.804	20.00000	.00000	45.00000	-.16429	-.22261	-.25759	-.19928	-.61913	-.10593
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (PNA04E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 95/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.660	-.070	.00000	5.00000	46.00000	.00933	-.00208	-.02490	.26035	.08920	.31741
47.740	5.125	5.00000	5.00000	46.00000	.05497	.00933	-.02490	.15766	-.02490	.30599
47.800	10.327	10.00000	5.00000	46.00000	.05497	.00933	-.02490	.00933	-.18465	.26035
47.730	15.538	15.00000	5.00000	46.00000	.00933	-.02490	-.08195	-.08195	-.57259	.18048
47.720	20.789	20.00000	5.00000	46.00000	-.08195	-.11618	-.16182	-.20747	-.84644	.05497
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (PNA04F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 96/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.710	-.070	.00000	5.00000	46.00000	.00933	-.01349	-.02490	.26035	.06638	.30599
47.690	5.123	5.00000	5.00000	46.00000	.05497	.00933	-.02490	.14625	-.05913	.31741
47.710	10.328	10.00000	5.00000	46.00000	.04356	.00933	-.04772	.00933	-.13900	.26035
47.530	20.790	20.00000	5.00000	46.00000	-.08195	-.10477	-.16182	-.21888	-.82362	.03215
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (PNA04G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	10.000

RUN NO. 97/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.610	-.071	.00000	5.00000	46.00000	.00933	-.00209	-.02490	.26035	.08920	.29458
47.710	5.122	5.00000	5.00000	46.00000	.05497	.00933	-.02490	.14625	-.05913	.29458
47.700	10.324	10.00000	5.00000	46.00000	.04356	.00933	-.02490	.00933	-.16182	.23753
47.650	15.535	15.00000	5.00000	46.00000	.00933	-.02490	-.08195	-.08195	-.42426	.19189
47.590	20.784	20.00000	5.00000	46.00000	-.08195	-.11618	-.13900	-.19606	-.99477	.03215
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (PNA04H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	15.000

RUN NO. 98/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.610	-.072	.00000	5.00000	46.00000	.00933	-.00208	-.03631	.26035	.05497	.30599
47.680	5.123	5.00000	5.00000	46.00000	.05497	.00933	-.02490	.14625	-.08195	.29458
47.620	10.325	10.00000	5.00000	46.00000	.03215	.00933	-.04772	.00933	-.23028	.23753
47.620	15.537	15.00000	5.00000	46.00000	-.02490	-.04772	-.08195	-.09336	-.44708	.18048
47.590	20.783	20.00000	5.00000	46.00000	-.08195	-.11618	-.16182	-.17323	-.74374	.03215
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (PNA04I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	48.000	RUDDER =	19.500

RUN NO. 99/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.690	-.073	.00000	5.00000	46.00000	.00933	-.00208	-.02490	.26035	.03215	.29458
47.690	5.122	5.00000	5.00000	46.00000	.05497	.00933	-.02490	.14625	-.10477	.29458
47.750	10.321	10.00000	5.00000	46.00000	.04356	.00933	-.04772	.00933	-.21888	.26035
47.610	15.534	15.00000	5.00000	46.00000	-.00208	-.04772	-.08195	-.10477	-.39003	.16907
47.600	20.780	20.00000	5.00000	46.00000	-.08195	-.11618	-.16182	-.19606	-.84644	.06638
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (PNA04J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-22.500

RUN NO. 86/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.740	-.064	.00000	.00000	47.50000	-.09204	-.10309	-.12520	.29477	-.03678	.15110
47.680	5.131	5.00000	.00000	47.00000	-.04779	-.10384	-.11490	.19792	-.17065	.16441
47.780	10.334	10.00000	.00000	47.50000	-.04783	-.10309	-.12520	.06268	-.33518	.09584
47.680	15.544	15.00000	.00000	47.50000	-.09204	-.13625	-.18045	-.02573	-.53411	.04058
47.710	20.747	20.00000	.00000	47.50000	-.19150	-.21351	-.29097	-.16940	-.72199	-.08099
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (PNA04K) (16 MAR 82)

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 =	.3500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-15.000

RUN NO. 87/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.720	-.058	.00000	.00000	47.50000	-.08099	-.11414	-.12520	.28372	.02953	.15110
47.690	5.133	5.00000	.00000	46.50000	-.04775	-.09291	-.11548	.18930	-.17192	.15543
47.830	10.339	10.00000	.00000	46.50000	-.05904	-.08162	-.13806	.06513	-.34125	.09899
47.580	15.548	15.00000	.00000	47.00000	-.10364	-.13714	-.18182	-.04779	-.58389	.04156
47.630	20.754	20.00000	.00000	47.00000	-.19298	-.21532	-.27116	-.17065	-.63973	-.10364
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (PNA04L) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 20.000 RUDDER = 3.000

RUN NO. 108/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.700	-.058	.00000	.00000	47.50000	-.04783	-.06994	-.10309	.28372	.11794	.15110
47.560	5.139	5.00000	.00000	47.50000	-.04783	-.06994	-.10309	.17320	.09584	.15110
47.530	10.342	10.00000	.00000	47.00000	-.07013	-.08130	-.12597	.04156	-.04779	.11974
47.540	15.549	15.00000	.00000	46.50000	-.12677	-.12677	-.16064	-.04775	-.17192	.04255
47.590	20.797	20.00000	.00000	48.50000	-.15618	-.18965	-.22113	-.19948	-.26443	-.06958
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (PNA04M) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 20.000 RUDDER = 3.000

RUN NO. 109/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.500	-.051	.00000	5.00000	46.50000	.03126	-.01389	-.02518	.26831	.20058	.31347
47.670	5.143	5.00000	5.00000	47.00000	.06389	.03039	-.01429	.14208	.08623	.28727
47.630	10.340	10.00000	5.00000	46.50000	.04255	.00859	-.03647	.03126	-.02518	.25702
47.390	15.550	15.00000	5.00000	47.50000	-.01459	-.02573	-.06994	-.08099	-.19150	.17320
47.870	20.795	20.00000	5.00000	47.50000	-.06994	-.11414	-.15835	-.18045	-.45675	.06268
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (PNA04N) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 36.500 RUDDER = -5.500

RUN NO. 110/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.530	-.041	.00000	10.00000	46.50000	.14414	.09899	.04255	.20058	.12157	.44892
47.710	5.146	5.00000	10.00000	47.00000	.15324	.09740	.09740	.08523	.01922	.44363
47.580	10.344	10.00000	10.00000	46.50000	.12157	.09869	.06513	-.02518	-.10419	.40377
47.720	15.577	15.00000	10.00000	47.50000	.09584	.06268	.00743	-.19150	-.21361	.29477
47.750	20.818	20.00000	10.00000	47.50000	.04058	.00743	-.04783	-.35728	-.40149	.17320
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (PNA040) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 111/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.460	-.059	.00000	.00000	46.00000	-.09195	-.09336	-.11618	.29458	.18048	.16907
47.410	5.135	5.00000	.00000	46.00000	-.05913	-.08195	-.11618	.18048	.08920	.16907
47.690	10.339	10.00000	.00000	46.00000	-.08195	-.08195	-.11618	.03215	-.04772	.12343
47.610	15.549	15.00000	.00000	46.00000	-.11618	-.13900	-.16182	-.10477	-.19606	.04356
47.740	20.797	20.00000	.00000	46.00000	-.19606	-.21868	-.25311	-.25311	-.31016	-.10477
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (PNA04P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 112/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.670	-.054	.00000	5.00000	46.00000	.00933	-.00209	-.02490	.26035	.19189	.29458
47.530	5.142	5.00000	5.00000	46.00000	.05497	.00933	-.02490	.14625	.08920	.29458
47.610	10.342	10.00000	5.00000	46.00000	.03215	.00933	-.04772	.00933	-.02490	.23753
47.670	15.546	15.00000	5.00000	46.00000	-.01349	-.02490	-.08195	-.11618	-.13900	.16907
47.620	20.797	20.00000	5.00000	46.00000	-.09336	-.12759	-.15041	-.25311	-.27593	.04356
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (PNA04D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 113/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.710	-.041	.00000	10.00000	46.00000	.12343	.08920	.06638	.20330	.12343	.46574
47.530	5.145	5.00000	10.00000	46.00000	.14625	.11202	.06638	.08920	.00933	.45433
47.670	10.345	10.00000	10.00000	46.00000	.14625	.08920	.05497	-.02490	-.08195	.37446
47.560	15.574	15.00000	10.00000	46.00000	.11202	.06638	.00933	-.17323	-.21888	.29458
47.500	20.818	20.00000	10.00000	46.00000	.00933	-.01349	-.05913	-.31016	-.34439	.16907
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA04R) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 115/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.390	-.065	.00000	.00000	46.00000	-.08195	-.10477	-.12759	.31741	.14625	.18048
47.850	5.135	5.00000	.00000	46.00000	-.04772	-.08195	-.10477	.18048	.06638	.20330
47.660	10.337	10.00000	.00000	46.00000	-.05913	-.08195	-.12759	.05497	-.05913	.12343
47.250	15.545	15.00000	.00000	46.00000	-.10477	-.13900	-.17323	-.08195	-.19606	.03215
47.360	20.815	20.00000	.00000	46.00000	-.21888	-.21888	-.25311	-.21888	-.31016	-.08195
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA04S) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 5.000

RUN NO. 114/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.190	-.061	.00000	.00000	46.00000	-.08195	-.10477	-.11618	.29458	.18048	.18048
47.530	5.135	5.00000	.00000	46.00000	-.04772	-.08195	-.10477	.16907	.08920	.18048
47.510	10.334	10.00000	.00000	46.00000	-.08195	-.09336	-.13900	.06638	-.02490	.12343
47.530	15.546	15.00000	.00000	46.00000	-.11618	-.13900	-.18465	-.09336	-.17323	.05497
47.480	20.815	20.00000	.00000	46.00000	-.21888	-.23029	-.25311	-.21888	-.33298	-.10477
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA04T) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 116/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP85	CP87	CP88	CP89	CP90	CP79
47.580	-.062	.00000	.00000	46.00000	-.08195	-.10477	-.11618	.30599	.16907	.18048
47.680	5.131	5.00000	.00000	46.00000	-.05913	-.08195	-.10477	.20330	.06638	.18048
47.500	10.332	10.00000	.00000	46.00000	-.05913	-.08195	-.11618	.05497	-.04772	.12343
47.710	15.543	15.00000	.00000	46.00000	-.11618	-.13900	-.17323	-.08195	-.19606	.06638
47.370	20.815	20.00000	.00000	46.00000	-.19606	-.21888	-.25311	-.25311	-.31016	-.08195
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA04U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 117/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP85	CP87	CP88	CP89	CP90	CP79
47.680	-.065	.00000	.00000	46.00000	-.08195	-.08195	-.11618	.28317	.16907	.16907
48.020	5.131	5.00000	.00000	46.50000	-.04775	-.08162	-.11548	.20058	.08770	.17801
47.660	10.329	10.00000	.00000	46.00000	-.07054	-.08195	-.12759	.05497	-.04772	.14625
47.470	15.544	15.00000	.00000	46.00000	-.10477	-.13900	-.16182	-.07054	-.16182	.05497
47.650	20.806	20.00000	.00000	46.00000	-.19606	-.21888	-.25311	-.24170	-.31016	-.08195
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (PNA04V) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.9800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 118/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.560	-.067	.00000	.00000	46.00000	-.08195	-.08196	-.11818	.29458	.14625	.16907
47.610	5.125	5.00000	.00000	46.00000	-.04772	-.09195	-.10477	.16907	.05497	.18048
47.540	10.330	10.00000	.00000	46.00000	-.07054	-.08195	-.12759	.04356	-.05913	.14625
47.740	15.540	15.00000	.00000	46.00000	-.10477	-.13900	-.17323	-.08195	-.19606	.06638
47.530	20.806	20.00000	.00000	46.00000	-.19606	-.21998	-.25311	-.28029	-.33298	-.05913
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (PNA04W) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.9800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 119/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.790	-.054	.00000	5.00000	46.00000	.02074	-.00208	-.03631	.30599	.19189	.30599
47.230	5.137	5.00000	5.00000	46.00000	.06638	.02074	-.01849	.15766	.07779	.30599
47.200	10.342	10.00000	5.00000	46.00000	.04356	.00933	-.03631	.02074	-.03631	.23753
47.330	15.548	15.00000	5.00000	46.00000	.00933	-.01349	-.07054	-.09335	-.16182	.21471
47.770	20.799	20.00000	5.00000	46.00000	-.07054	-.09335	-.15041	-.24170	-.27593	.06638
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA04X) (15 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 120/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.850	-.057	.00000	5.00000	46.00000	.02074	.00933	-.01349	.23317	.19189	.32881
47.610	5.138	5.00000	5.00000	46.00000	.04356	.02074	-.01349	.18048	.07779	.30599
47.510	10.337	10.00000	5.00000	46.00000	.04356	.00933	-.03631	.02074	-.03631	.27176
47.350	15.547	15.00000	5.00000	46.00000	.00933	-.02490	-.07054	-.09336	-.15041	.21471
47.530	20.801	20.00000	5.00000	46.00000	-.09336	-.11618	-.15041	-.24170	-.27593	.04356
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA04Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 121/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.500	-.059	.00000	5.00000	46.00000	.02074	.00933	-.01349	.27176	.18048	.30599
47.460	5.138	5.00000	5.00000	46.00000	.06638	.02074	-.01349	.15766	.10061	.30599
47.440	10.331	10.00000	5.00000	46.00000	.04356	.02074	-.03631	.04356	-.03631	.27176
47.390	15.542	15.00000	5.00000	46.00000	.00933	-.01349	-.07054	-.08195	-.16182	.19189
47.640	20.796	20.00000	5.00000	46.00000	-.07054	-.10477	-.16182	-.26452	-.27593	.05497
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA04Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 122/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.240	-.059	.00000	5.00000	46.00000	.02074	.00933	-.01349	.27176	.18048	.30599
47.510	5.131	5.00000	5.00000	46.00000	.04356	.02074	-.01349	.15766	.10061	.30599
47.360	10.331	10.00000	5.00000	46.00000	.04356	.02074	-.03631	.02074	-.03631	.27176
47.540	15.545	15.00000	5.00000	46.00000	-.00208	-.01349	-.07054	-.10477	-.15041	.19189
47.560	20.789	20.00000	5.00000	46.00000	-.09195	-.09335	-.15041	-.23029	-.26452	.07779
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA05A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 123/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.490	-.059	.00000	5.00000	46.50000	.04255	-.01389	-.03647	.29089	.20058	.31347
47.630	5.129	5.00000	5.00000	47.00000	.06389	.03039	-.01429	.17558	.06389	.32077
47.560	10.328	10.00000	5.00000	47.00000	.06389	.04156	-.02545	.04156	-.02545	.26493
47.570	15.536	15.00000	5.00000	46.00000	.00933	-.01349	-.07054	-.10477	-.16182	.21471
47.670	20.792	20.00000	5.00000	46.00000	-.04772	-.08195	-.13900	-.19606	-.27593	.10061
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA05B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 124/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.470	-.042	.00000	10.00000	46.00000	.18048	.12343	.08630	.21471	.16907	.45433
47.540	5.146	5.00000	10.00000	47.00000	.17558	.13091	.08823	.09740	.00805	.44363
47.480	10.343	10.00000	10.00000	46.00000	.15766	.12343	.06638	-.01349	-.10477	.40869
47.490	15.573	15.00000	10.00000	46.00000	.12343	.06638	.03215	-.16182	-.23029	.32881
47.560	20.820	20.00000	10.00000	47.00000	.05273	.00805	-.04779	-.27116	-.34935	.17558
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA05C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 125/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.480	-.044	.00000	10.00000	46.00000	.12343	.08920	.06638	.22612	.12343	.46574
47.500	5.145	5.00000	10.00000	46.00000	.16907	.12343	.08920	.10061	.00933	.46574
47.380	10.345	10.00000	10.00000	46.00000	.18048	.12343	.06638	-.02490	-.11618	.40869
47.500	15.568	15.00000	10.00000	46.00000	.12343	.08920	.03215	-.15041	-.24170	.31741
47.380	20.924	20.00000	10.00000	46.00000	.04356	.03215	-.04772	-.29875	-.35580	.19189
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA05D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 126/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.500	-.047	.00000	10.00000	46.00000	.13484	.10061	.06639	.21471	.12343	.46574
47.460	5.143	5.00000	10.00000	47.00000	.15324	.11974	.06389	.09740	-.00312	.45480
47.430	10.341	10.00000	10.00000	46.00000	.15766	.12343	.06638	-.01349	-.10477	.42010
47.520	15.569	15.00000	10.00000	45.00000	.12343	.06638	.02074	-.16182	-.24170	.32881
47.540	20.821	20.00000	10.00000	46.50000	.05513	.03126	-.04775	-.29509	-.35253	.22316
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA05E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 127/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.540	-.046	.00000	10.00000	47.00000	.14208	.09740	.06389	.20909	.11974	.45480
47.480	5.142	5.00000	10.00000	46.00000	.16907	.12343	.10061	.10061	.00933	.46574
47.470	10.340	10.00000	10.00000	47.00000	.15324	.11974	.06389	-.01429	-.10364	.39895
47.540	15.567	15.00000	10.00000	47.00000	.09740	.09740	.04156	-.14831	-.22649	.32017
47.630	20.816	20.00000	10.00000	46.00000	.06838	.00933	-.04772	-.27593	-.35580	.20330
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA05F) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 22.500

RUN NO. 128/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.670	-.050	.00000	10.00000	46.00000	.14625	.10061	.07779	.23753	.12343	.48856
47.620	5.140	5.00000	10.00000	46.00000	.15768	.12343	.08920	.10001	.00933	.46574
47.640	10.336	10.00000	10.00000	47.00000	.15324	.11974	.06389	-.01429	-.10364	.39895
47.690	15.561	15.00000	10.00000	46.00000	.12343	.10051	.03215	-.16182	-.24170	.32681
47.600	20.816	20.00000	10.00000	46.00000	.04356	-.01349	-.07054	-.29875	-.35580	.20330
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA05G) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.000 RUDDER = .000

RUN NO. 129/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.710	-.095	.00000	.00000	46.50000	-.07033	-.08162	-.10419	.31347	.09899	.17801
47.550	5.092	5.00000	.00000	46.50000	-.04775	-.07033	-.10419	.18930	.06513	.17801
47.900	10.298	10.00000	.00000	46.50000	-.04775	-.08162	-.12677	.08770	-.07033	.13286
47.460	15.507	15.00000	.00000	46.50000	-.10419	-.12677	-.17192	-.02518	-.21708	.06513
47.690	20.773	20.00000	.00000	46.50000	-.19450	-.21708	-.23965	-.18321	-.32996	-.07033
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (PNA05H) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 130/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.410	-.095	.00000	.00000	46.50000	-.07033	-.08162	-.10419	.29089	.08770	.21187
47.580	5.091	5.00000	.00000	47.50000	-.02573	-.04783	-.08099	.18425	.06268	.17320
47.720	10.298	10.00000	.00000	47.50000	-.03678	-.06994	-.10309	.06268	-.02573	.15110
47.330	15.509	15.00000	.00000	46.50000	-.10419	-.12677	-.16064	-.04775	-.20579	.06513
47.700	20.773	20.00000	.00000	46.50000	-.19450	-.21708	-.23965	-.18321	-.30738	-.04775
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (PNA05I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 131/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.640	-.095	.00000	.00000	46.50000	-.07033	-.08162	-.10419	.26831	.09899	.17801
47.560	5.091	5.00000	.00000	46.50000	-.04775	-.07033	-.10419	.20058	.09899	.15543
47.370	10.296	10.00000	.00000	46.50000	-.04775	-.08162	-.12677	.08770	-.07033	.12157
47.640	15.503	15.00000	.00000	46.50000	-.10419	-.12677	-.16064	-.02518	-.21708	.06513
47.580	20.768	20.00000	.00000	46.50000	-.19450	-.21708	-.23965	-.16064	-.30738	-.07033
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA05J) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 132/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.510	-.098	.00000	.00000	46.50000	-.03647	-.07033	-.10419	.27960	.13286	.17801
47.620	5.091	5.00000	.00000	46.50000	-.01389	-.07033	-.10419	.17801	.06513	.20058
47.760	10.299	10.00000	.00000	46.50000	-.04775	-.08162	-.12677	.06513	-.07033	.14414
47.780	15.506	15.00000	.00000	46.50000	-.12677	-.12677	-.16064	-.04775	-.21708	.06513
47.810	20.777	20.00000	.00000	46.50000	-.18321	-.21708	-.23965	-.20579	-.32996	-.01389
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA05K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 133/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.730	-.095	.00000	5.00000	47.50000	.04058	.00743	-.02573	.27267	.20636	.28372
47.660	5.099	5.00000	5.00000	46.50000	.06513	.04255	-.02518	.15543	.09899	.29089
47.700	10.299	10.00000	5.00000	46.50000	.04255	.00969	-.04775	.04255	-.03647	.29089
47.620	15.505	15.00000	5.00000	46.50000	-.01389	-.02518	-.08162	-.08162	-.18321	.17801
47.490	20.756	20.00000	5.00000	46.50000	-.04775	-.10419	-.13806	-.16064	-.44284	.06513
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA05L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 134/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.590	-.091	.00000	5.00000	46.50000	.03126	-.01389	-.02518	.26831	.17801	.29089
47.640	5.094	5.00000	5.00000	46.50000	.04255	-.00260	-.02518	.16672	.08770	.29089
47.660	10.299	10.00000	5.00000	46.50000	.06513	.03126	-.01389	.00869	-.01389	.25702
47.490	15.508	15.00000	5.00000	46.50000	.04255	-.04775	-.07033	-.04775	-.16064	.17801
47.850	20.751	20.00000	5.00000	46.50000	-.07033	-.10419	-.16064	-.18321	-.48799	.06513
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA05M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 135/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.760	-.097	.00000	5.00000	46.50000	.00869	-.01389	-.03647	.26831	.17801	.29089
47.690	5.094	5.00000	5.00000	46.50000	.06513	.03126	-.02518	.15543	.06513	.29089
47.450	10.299	10.00000	5.00000	46.50000	.04255	-.01389	-.04775	.04255	-.03647	.25702
47.500	15.507	15.00000	5.00000	46.50000	-.01389	-.01389	-.07033	-.07033	-.16064	.18930
47.670	20.759	20.00000	5.00000	46.50000	-.07033	-.10419	-.16064	-.18321	-.46542	.04255
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA05N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 136/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.760	-.094	.00000	5.00000	46.50000	.00869	-.01389	-.02518	.26831	.17801	.29089
47.380	5.095	5.00000	5.00000	46.50000	.04255	.00869	-.03647	.17801	.08770	.29089
47.450	10.299	10.00000	5.00000	46.50000	.06513	.03126	-.02518	.03126	-.02518	.25702
47.670	15.508	15.00000	5.00000	46.50000	-.01389	-.03647	-.08162	-.07033	-.16064	.17801
47.530	20.755	20.00000	5.00000	46.50000	-.08162	-.12677	-.16064	-.16064	-.46542	.06513
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA05O) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 137/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.810	-.077	.00000	10.00000	47.50000	.17320	.09584	.06268	.20636	.11794	.42739
47.530	5.108	5.00000	10.00000	46.50000	.18930	.12157	.08770	.09899	.04255	.42635
47.750	10.306	10.00000	10.00000	46.50000	.16672	.09899	.04255	-.01389	-.10419	.40377
47.630	15.529	15.00000	10.00000	46.50000	.13286	.06513	.00869	-.16064	-.23965	.30218
47.330	20.781	20.00000	10.00000	46.50000	.06513	-.01389	-.04775	-.30738	-.35253	.17801
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA05P) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 138/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.520	-.078	.00000	10.00000	46.50000	.12157	.08770	.06513	.23445	.09899	.46021
47.860	5.110	5.00000	10.00000	46.50000	.15543	.09899	.06513	.09899	-.01389	.43764
47.790	10.307	10.00000	10.00000	46.50000	.17801	.09899	.06513	-.03647	-.12677	.40377
47.490	15.529	15.00000	10.00000	46.50000	.12157	.06513	-.01389	-.16064	-.23965	.31347
47.890	20.777	20.00000	10.00000	46.50000	.06513	-.01389	-.04775	-.30739	-.32996	.15543
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA05Q) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 139/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.450	-.080	.00000	10.00000	46.50000	.14414	.08770	.04255	.23445	.08770	.42635
47.430	5.109	5.00000	10.00000	46.00000	.18048	.10061	.06638	.10061	.00933	.44292
47.410	10.307	10.00000	10.00000	46.50000	.15543	.09899	.06513	-.01389	-.12677	.40377
47.370	15.529	15.00000	10.00000	46.00000	.12343	.06538	.00933	-.16182	-.24170	.29458
47.210	20.780	20.00000	10.00000	46.00000	.06638	-.01349	-.03631	-.29875	-.36721	.18048
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA05R) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 140/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.560	-.078	.00000	10.00000	46.50000	.14414	.06513	.06513	.21187	.09899	.43764
47.130	5.110	5.00000	10.00000	46.50000	.16672	.09899	.06513	.09899	-.02518	.43764
47.600	10.309	10.00000	10.00000	46.50000	.16672	.09899	.04255	-.02518	-.10419	.40377
47.540	15.526	15.00000	10.00000	46.00000	.13484	.06538	.00933	-.16182	-.24170	.29458
47.910	20.778	20.00000	10.00000	46.50000	.06513	-.01389	-.07033	-.32996	-.35253	.17801
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA05S) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000

RUN NO. 141/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	RUDDER	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79	ALPHA
47.240	-22.907	10.00000	.00000	46.00000	-.03531	-.10477	-.13900	.06638	-.10477	.12343	10.32800
47.740	-15.162	10.00000	.00000	46.50000	-.04775	-.10419	-.12677	.06513	-.10419	.12157	10.33170
47.530	-10.072	10.00000	.00000	46.50000	-.04775	-.10419	-.13806	.06513	-.10419	.09899	10.33640
47.600	-5.054	10.00000	.00000	46.50000	-.03547	-.10419	-.13806	.06513	-.10419	.12157	10.33540
47.530	.043	10.00000	.00000	46.50000	-.03547	-.10419	-.13806	.06513	-.10419	.14414	10.33540
47.640	5.082	10.00000	.00000	46.50000	-.02518	-.10419	-.13806	.05384	-.10419	.12157	10.33550
47.570	10.140	10.00000	.00000	46.50000	-.03647	-.10419	-.12677	.06513	-.10419	.12157	10.33360
47.570	14.990	10.00000	.00000	46.50000	-.04775	-.10419	-.12677	.06513	-.10419	.14414	10.33310
47.430	22.915	10.00000	.00000	46.50000	-.03547	-.09291	-.12677	.05384	-.10419	.14414	10.32910
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA05T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 142/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.510	5.150	5.00000	5.00000	-.50000	-5.27514	-.05075	-3.18539	11.44290	9.35314	.99412
47.650	10.351	10.00000	5.00000	.00000**********		.00000	.00000**********			
47.420	15.562	15.00000	5.00000	-.50000	2.03900	3.08388	3.08388	33.38630	31.29560	13.53270
47.540	20.810	20.00000	5.00000	-.50000	10.39800	10.39800	11.44290	42.78920	57.41750	22.93650
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA05U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 143/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.620	-.035	.00000	10.00000	.00000**********						
47.650	5.154	5.00000	10.00000	.00000**********						
47.870	10.354	10.00000	10.00000	.00000**********						
47.280	15.576	15.00000	10.00000	-.50000	-7.36490	-7.36490	-4.23026	39.65460	39.65460	2.03900
47.740	20.824	20.00000	10.00000	.00000**********			.00000**********			
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA05V) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 144/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	CI	CP86	CP87	CP88	CP89	CP90	CP79
47.650	-.044	.00000	10.00000	.00000	**********	**********	**********	**********	**********	**********
47.530	5.147	5.00000	10.00000	.00000	**********	**********	**********	**********	**********	**********
47.640	10.349	10.00000	10.00000	.00000	**********	**********	**********	**********	**********	**********
47.920	15.574	15.00000	10.00000	.00000	**********	**********	**********	**********	**********	**********
47.210	20.816	20.00000	10.00000	-.50000	-3.18539	-.05075	2.03900	53.23800	46.96870	12.48780
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (PNA05W) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.000 RUDDER = .000

RUN NO. 145/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	CI	CP86	CP87	CP88	CP89	CP90	CP79
47.450	-.089	.00000	.00000	46.50000	-.07033	-.10419	-.12677	.26831	.08770	.16672
47.710	5.097	5.00000	.00000	47.00000	-.04779	-.10364	-.12597	.17558	.03039	.15324
47.790	10.302	10.00000	.00000	47.00000	-.04779	-.10364	-.12597	.06389	-.10364	.09740
47.640	15.510	15.00000	.00000	47.00000	-.10364	-.13714	-.18182	-.04779	-.23766	.00805
47.680	20.754	20.00000	.00000	47.00000	-.18182	-.21532	-.24883	-.19298	-.38285	-.10364
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (PNA05X) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.000 RUDDER = .000

RUN NO. 146/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.630	-.087	.00000	5.00000	46.50000	.03126	-.01389	-.04775	.25702	.15543	.29089
47.570	5.102	5.00000	5.00000	47.00000	.06389	-.01429	-.03662	.14208	.04156	.28727
47.600	10.304	10.00000	5.00000	46.50000	.05384	-.01389	-.04775	.03126	-.07033	.23445
47.600	15.506	15.00000	5.00000	47.00000	-.01429	-.04779	-.08130	-.09247	-.21532	.15324
47.810	20.751	20.00000	5.00000	47.00000	-.07013	-.12597	-.17065	-.19298	-.47220	.00805
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (PNA05Y) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.000 RUDDER = .000

RUN NO. 147/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.690	-.073	.00000	10.00000	47.00000	.14208	.08623	.06389	.19792	.06389	.42129
47.470	5.110	5.00000	10.00000	46.50000	.14414	.08699	.06513	.09899	-.01389	.40377
47.620	10.303	10.00000	10.00000	46.50000	.14414	.08770	.04255	-.01389	-.12677	.36991
47.590	15.537	15.00000	10.00000	46.50000	.11028	.06513	-.00260	-.16064	-.25094	.26831
47.460	20.779	20.00000	10.00000	47.00000	.03039	-.01429	-.07013	-.29350	-.34935	.15324
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR(FTP,ADS OFF) (PNA05Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 148/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.710	-.050	.00000	.00000	46.50000	-.07033	-.10419	-.12677	.29089	.12157	.15543
47.510	5.148	5.00000	.00000	46.00000	-.04772	-.07054	-.10477	.15765	.03215	.15766
47.730	10.347	10.00000	.00000	46.50000	-.02518	-.09291	-.12677	.05384	-.08162	.09899
47.530	15.559	15.00000	.00000	46.00000	-.07054	-.12759	-.17323	-.07054	-.21888	.02074
47.600	20.802	20.00000	.00000	46.50000	-.18321	-.21708	-.25094	-.21708	-.36382	-.10419
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR(FTP,ADS OFF) (PNA06A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 149/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.470	-.047	.00000	5.00000	47.50000	.08479	.00743	-.01468	.28372	.19530	.30582
47.600	5.147	5.00000	5.00000	47.50000	.07374	.02953	-.00363	.17320	.08479	.30582
47.470	10.342	10.00000	5.00000	47.50000	.06268	.00743	-.02573	.02953	-.02573	.27267
47.480	15.552	15.00000	5.00000	47.50000	.02953	-.02573	-.08099	-.10309	-.15835	.17320
47.520	20.802	20.00000	5.00000	47.50000	-.02573	-.10309	-.13625	-.21361	-.26887	.04058
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR(FTP,ADS OFF) (PNA06B) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 150/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.500	-.037	.00000	10.00000	47.50000	.16215	.11794	.07374	.22846	.11794	.46054
47.210	5.149	5.00000	10.00000	47.00000	.17858	.11974	.08623	.09740	.00805	.45480
47.360	10.344	10.00000	10.00000	47.50000	.19530	.11794	.07374	-.00363	-.11414	.40529
47.620	15.575	15.00000	10.00000	47.50000	.14005	.08479	.00743	-.13625	-.24676	.30582
47.570	20.823	20.00000	10.00000	47.50000	.05163	.00743	-.04783	-.30202	-.35728	.17320
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (PNA06C) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 151/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.680	-.056	.00000	.00000	46.50000	-.08162	-.10419	-.12677	.31347	.15543	.15543
47.610	5.140	5.00000	.00000	46.50000	-.07033	-.08162	-.12677	.20058	.04255	.17801
47.670	10.340	10.00000	.00000	46.50000	-.07033	-.08162	-.12677	.06513	-.08162	.12157
47.610	15.551	15.00000	.00000	46.50000	-.12677	-.13806	-.18321	-.07033	-.19450	.06513
47.690	20.824	20.00000	.00000	46.50000	-.21708	-.21708	-.25094	-.23965	-.35253	-.08162
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (PNA06D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 152/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.560	-.057	.00000	.00000	46.50000	-.08162	-.10419	-.12677	.31347	.14414	.15543
47.720	5.140	5.00000	.00000	46.50000	-.07033	-.08162	-.12677	.17801	.04255	.17801
47.480	10.340	10.00000	.00000	46.50000	-.07033	-.08162	-.13806	.08770	-.09291	.12157
47.580	15.556	15.00000	.00000	46.50000	-.12677	-.13806	-.18321	-.07033	-.19450	.06513
47.660	20.824	20.00000	.00000	46.50000	-.21709	-.21708	-.26223	-.23965	-.34125	-.07033
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (PNA06E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 153/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.620	-.054	.00000	.00000	46.50000	-.05904	-.08162	-.10419	.31347	.15543	.20058
47.720	5.139	5.00000	.00000	46.50000	-.02518	-.08162	-.10419	.20058	.06513	.21187
47.540	10.338	10.00000	.00000	46.50000	-.04775	-.08162	-.11548	.08770	-.05904	.14414
47.750	15.553	15.00000	.00000	46.50000	-.08162	-.11548	-.16064	-.05904	-.19450	.09899
47.610	20.822	20.00000	.00000	46.50000	-.18321	-.19450	-.22837	-.21708	-.31867	-.04775
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (PNA06F) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 15.000

RUN NO. 154/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.520	-.056	.00000	.00000	46.50000	-.05904	-.08162	-.10419	.31347	.16672	.17801
47.620	5.138	5.00000	.00000	46.50000	-.04775	-.04775	-.09291	.20058	.06513	.20058
47.750	10.338	10.00000	.00000	46.50000	-.04775	-.05904	-.10419	.08770	-.04775	.14414
47.570	15.550	15.00000	.00000	46.50000	-.08162	-.10419	-.16064	-.02518	-.19450	.08770
47.610	20.822	20.00000	.00000	46.50000	-.17192	-.18321	-.22837	-.19450	-.32996	-.07033
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (PNA06G) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 20.500

RUN NO. 155/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.510	-.061	.00000	.00000	46.50000	-.05904	-.08162	-.10419	.33604	.16672	.20058
47.600	5.135	5.00000	.00000	46.50000	-.04775	-.04775	-.10419	.22316	.05384	.20058
47.580	10.335	10.00000	.00000	46.50000	-.04775	-.05904	-.10419	.08770	-.05904	.14414
47.680	15.550	15.00000	.00000	46.50000	-.09291	-.11548	-.17192	-.05904	-.19450	.08770
47.440	20.819	20.00000	.00000	46.50000	-.16064	-.19450	-.22837	-.19450	-.32996	-.02518
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (PNA06H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 156/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.640	-.047	.00000	5.00000	46.50000	.03126	.00869	-.00260	.29089	.20058	.31347
47.700	5.147	5.00000	5.00000	46.50000	.06513	.01997	-.01389	.17801	.08770	.31347
47.530	10.343	10.00000	5.00000	46.50000	.06513	.00869	-.02518	.03126	-.02518	.27960
47.460	15.556	15.00000	5.00000	46.50000	.00869	-.01389	-.04775	-.08162	-.16064	.20058
47.670	20.810	20.00000	5.00000	46.50000	-.05904	-.08162	-.13806	-.23965	-.28481	.06513
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (PNA06I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 157/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.530	-.050	.00000	5.00000	46.50000	.03126	.00869	-.02518	.31347	.18930	.31347
47.550	5.145	.00000	5.00000	46.50000	.06513	.03126	-.00260	.17801	.08770	.31347
47.470	10.342	10.00000	5.00000	46.50000	.05384	.00869	-.02518	.05384	-.04775	.27960
47.480	15.554	15.00000	5.00000	46.50000	.00869	-.01389	-.05904	-.08162	-.16064	.17801
47.650	20.806	20.00000	5.00000	46.50000	-.05904	-.10419	-.13806	-.25094	-.28481	.06513
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTF AND ADS OFF) (PNA06J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 158/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.460	-.051	.00000	5.00000	46.50000	.03126	.00869	-.02518	.31347	.16672	.31347
47.530	5.145	5.00000	5.00000	46.50000	.06513	.03126	-.00260	.16672	.08770	.31347
47.310	10.341	10.00000	5.00000	46.50000	.05384	.01997	-.02518	.05384	-.02518	.25702
47.450	15.583	15.00000	5.00000	46.50000	.00869	-.02518	-.08162	-.08162	-.17192	.17801
47.870	20.783	20.00000	5.00000	46.50000	-.04775	-.08162	-.13806	-.19450	-.25094	.11028
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (PNA06K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	15.000

RUN NO. 159/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.480	-.055	.00000	5.00000	46.50000	.03126	.00869	-.02518	.30218	.17801	.30218
47.690	5.140	5.00000	5.00000	46.50000	.05384	.03126	-.02518	.16672	.11028	.31347
47.600	10.326	10.00000	5.00000	46.50000	.06513	.00869	-.02518	.06513	-.04775	.27960
47.680	15.549	15.00000	5.00000	46.50000	.00869	-.01389	-.08162	-.08162	-.16064	.20058
47.830	20.785	20.00000	5.00000	46.50000	-.04775	-.10419	-.13806	-.22837	-.27352	.09899
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (PNA06L) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 20.500

RUN NO. 160/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.360	-.050	.00000	5.00000	46.00000	.03215	.00933	-.02490	.29458	.18048	.31741
47.530	5.141	5.00000	5.00000	46.50000	.06513	.00869	-.01389	.17801	.06513	.31347
47.680	10.336	10.00000	5.00000	46.50000	.03126	.00869	-.02518	.04255	-.04775	.27960
47.630	15.547	15.00000	5.00000	46.50000	.00069	-.02518	-.08162	-.08162	-.16064	.20058
47.440	20.800	20.00000	5.00000	46.50000	-.08162	-.10419	-.16064	-.21709	-.29609	.08770
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA06M) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 161/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.610	-.038	.00000	10.00000	47.50000	.11794	.09584	.04058	.20636	.09584	.44949
47.540	5.151	5.00000	10.00000	47.50000	.15110	.11794	.06268	.09584	.00743	.44949
47.550	10.352	10.00000	10.00000	48.00000	.14899	.11618	.06149	-.04788	-.11350	.38961
47.970	15.573	15.00000	10.00000	49.00000	.11275	.08060	.03774	-.10156	-.20871	.29490
47.730	20.823	20.00000	10.00000	49.00000	.04846	.00559	-.04798	-.28371	-.31586	.15561
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA06N) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 162/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.570	-.037	.00000	10.00000	48.50000	.13610	.09280	.06032	.20105	.09280	.43920
47.700	5.151	5.00000	10.00000	48.50000	.14692	.11445	.06032	.09280	.00620	.43920
47.440	10.349	10.00000	10.00000	48.50000	.14692	.09280	.05032	-.02628	-.12370	.39507
47.630	15.572	15.00000	10.00000	48.50000	.11445	.06032	.00620	-.15618	-.21030	.30930
47.520	20.823	20.00000	10.00000	48.50000	.03867	.00620	-.04793	-.31855	-.35103	.16857
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA06Q) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 163/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.640	5.150	5.00000	10.00000	48.50000	.14692	.11445	.06032	.09280	.00620	.43920
47.480	10.348	10.00000	10.00000	48.50000	.14692	.10362	.04950	-.01545	-.10205	.38507
47.500	15.575	15.00000	10.00000	48.00000	.10524	.08337	.02868	-.13538	-.21194	.30211
47.740	20.820	20.00000	10.00000	48.50000	.02785	-.01545	-.04793	-.31855	-.37268	.16857
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA06P) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 15.000

RUN NO. 164/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.630	-.040	.00000	10.00000	48.50000	.12527	.09280	.06032	.22270	.09280	.43920
47.450	5.148	5.00000	10.00000	47.50000	.15110	.11794	.06268	.09584	.00743	.44949
47.590	10.346	10.00000	10.00000	48.50000	.14692	.09280	.06032	-.01545	-.10205	.39507
47.510	15.566	15.00000	10.00000	47.50000	.11794	.07374	.04058	-.15835	-.21361	.31687
47.820	20.818	20.00000	10.00000	48.50000	.02785	-.01545	-.02628	-.31855	-.34020	.20105
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA06Q) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 20.500

RUN NO. 165/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
47.640	-.043	.00000	10.00000	48.50000	.12527	.09280	.06032	.22270	.09280	.43920
47.600	5.147	5.00000	10.00000	48.50000	.14692	.11445	.06032	.09280	.03867	.42837
47.570	10.342	10.00000	10.00000	48.50000	.14692	.09280	.06032	-.01545	-.10205	.38507
47.760	15.561	15.00000	10.00000	48.50000	.11445	.07115	.02785	-.12370	-.21030	.27682
47.670	20.817	20.00000	10.00000	48.50000	.03867	-.01545	-.04793	-.31855	-.34020	.16857
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101(ADS OFF) (PNA06R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 167/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.470	-5.243	-5.00000	.00000	48.00000	-.15725	4.29418	-.13538	.40055	.22555	.11618
47.570	-2.651	-2.50000	.00000	48.50000	-.11298	4.28208	-.12370	.34177	.13610	.14692
47.600	-.058	.00000	.00000	48.50000	-.10205	4.28281	-.12370	.25517	.04950	.16857
47.550	2.540	2.50000	.00000	48.00000	-.05082	4.34087	-.10256	.20368	.05056	.17086
47.580	5.139	5.00000	.00000	48.50000	-.05075	4.38538	-.08040	.14692	.02785	.16857
47.610	7.739	7.50000	.00000	48.50000	-.09123	4.30373	-.10205	.09280	-.03710	.14692
47.630	10.342	10.00000	.00000	48.50000	-.05075	4.28208	-.10205	.03367	-.11288	.11445
47.580	11.379	11.00000	.00000	48.00000	-.08069	4.33793	-.10256	.01774	-.11350	.09430
47.630	12.421	12.00000	.00000	49.00000	-.11227	4.24079	-.12289	.01631	-.16505	.11275
47.670	13.462	13.00000	.00000	48.50000	-.11283	4.28291	-.15618	-.03710	-.18865	.09280
47.600	14.505	14.00000	.00000	48.50000	-.11288	4.27126	-.13453	-.06958	-.19948	.06032
47.620	15.549	15.00000	.00000	48.50000	-.13453	4.28043	-.15618	-.06958	-.24278	.06032
47.520	16.601	16.00000	.00000	48.50000	-.14535	4.24961	-.15618	-.09123	-.25360	.04950
47.620	17.651	17.00000	.00000	48.50000	-.15618	4.23878	-.17783	-.09123	-.27525	.00620
47.520	18.708	18.00000	.00000	48.50000	-.17783	4.21713	-.21030	-.14535	-.29690	-.01545
47.490	19.768	19.00000	.00000	48.50000	-.18855	4.19548	-.21030	-.16700	-.32938	-.03710
47.660	20.817	20.00000	.00000	48.50000	-.21030	4.16301	-.24278	-.19948	-.32938	-.04793
	GRADIENT	.96321	.00000	-.09635	.01042	.01287	.00407	-.02660	-.01647	.00461

ARC40X80-462(0A100) OV101(ADS OFF) (PNA06S) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 47/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
94.360	-5.233	-5.00000	-5.00000	97.50000	-.21662	-.30341	-.29256	-.27629	-.24374	-.30341
94.320	-2.640	-2.50000	-5.00000	97.50000	-.23289	-.27629	-.22747	-.27629	-.26544	-.26544
94.430	-.047	.00000	-5.00000	97.00000	-.24472	-.22291	-.26653	-.26653	-.24472	-.25562
94.430	2.550	2.50000	-5.00000	97.50000	-.24916	-.28171	-.21119	-.30341	-.28171	-.24916
94.430	5.148	5.00000	-5.00000	97.50000	-.23289	-.24916	-.26544	-.25459	-.28171	-.25459
94.320	7.747	7.50000	-5.00000	97.50000	-.24916	-.25459	-.24374	-.25459	-.26544	-.30341
94.550	10.348	10.00000	-5.00000	97.50000	-.24374	-.30341	-.24916	-.31426	-.26544	-.33053
94.320	11.396	11.00000	-5.00000	96.50000	-.24571	-.25119	-.25667	-.26763	-.30051	-.21284
94.410	12.437	12.00000	-5.00000	97.50000	-.26001	-.28171	-.24374	-.26544	-.26544	-.27629
94.660	13.479	13.00000	-5.00000	97.50000	-.27005	-.26544	-.27086	-.26544	-.28714	-.26544
94.570	14.522	14.00000	-5.00000	97.50000	-.30883	-.29256	-.28171	-.26544	-.29256	-.33053
94.550	15.570	15.00000	-5.00000	97.50000	-.28714	-.28714	-.27086	-.28714	-.29256	-.31968
94.360	16.617	16.00000	-5.00000	97.50000	-.30341	-.31968	-.28171	-.30883	-.28171	-.27629
94.270	17.676	17.00000	-5.00000	96.50000	-.30051	-.31147	-.29503	-.27859	-.32243	-.29503
94.500	18.727	18.00000	-5.00000	96.50000	-.30589	-.33338	-.30051	-.31695	-.34982	-.34434
94.570	19.777	19.00000	-5.00000	96.50000	-.33338	-.33886	-.33886	-.32243	-.32790	-.34982
94.590	20.820	20.00000	-5.00000	97.00000	-.32650	-.35921	-.32650	-.33195	-.34831	-.41373
94.340	21.861	21.00000	-5.00000	97.50000	-.33053	-.40105	-.35223	-.34680	-.37393	-.38478
	GRADIENT	.96341	-.00000	.00007	-.00314	-.00105	.00314	-.00523	-.00314	.00314

ARC40X80-462(OA100) OV101(ADS OFF) (PNA06T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 168/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.490	-5.236	-5.00000	2.00000	48.00000	-.08069	-.10256	-.08069	.40055	.28024	.17086
47.640	-2.648	-2.50000	2.00000	48.50000	-.05875	-.06958	-.08040	.34177	.23352	.17940
47.650	-.056	.00000	2.00000	48.50000	-.06958	-.03710	-.06958	.26600	.17940	.20105
47.620	2.539	2.50000	2.00000	48.50000	-.04793	-.02628	-.03710	.24435	.11445	.22270
47.610	5.139	.00000	2.00000	48.50000	-.04793	-.04793	-.06958	.15775	.04950	.20105
47.580	7.739	7.50000	2.00000	48.00000	-.04788	-.01507	-.06975	.10524	-.03694	.20368
47.630	10.339	10.00000	2.00000	48.50000	-.05875	-.02628	-.10205	.04950	-.05875	.14692
47.580	11.382	11.00000	2.00000	48.00000	-.08069	-.04788	-.09163	.00681	-.10256	.12712
47.620	12.421	12.00000	2.00000	48.50000	-.08040	-.04793	-.06958	-.00463	-.13453	.11445
47.510	13.462	13.00000	2.00000	48.00000	-.08069	-.04788	-.10256	-.00413	-.17912	.11618
47.530	14.508	14.00000	2.00000	48.00000	-.08069	-.06975	-.10256	-.04788	-.20100	.09430
47.560	15.551	15.00000	2.00000	48.50000	-.08040	-.08040	-.12370	-.08040	-.24278	.07115
47.730	16.598	16.00000	2.00000	48.50000	-.10205	-.08040	-.13453	-.09123	-.27525	.06032
47.530	17.653	17.00000	2.00000	48.00000	-.11350	-.10256	-.15725	-.13538	-.28850	.03962
47.600	18.709	18.00000	2.00000	48.50000	-.13453	-.12370	-.15618	-.14535	-.30773	.01702
47.740	19.762	19.00000	2.00000	48.50000	-.13453	-.13453	-.17783	-.16700	-.34020	.01702
47.450	20.817	20.00000	2.00000	47.50000	-.15835	-.15835	-.19150	-.16940	-.36833	-.06994
	GRADIENT	.96391	.00000	-.00000	.00209	.00835	.00835	-.01878	-.02296	.00835

ARC40X80-462(OA100) OV101(ADS OFF) (PNA06U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 169/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.530	-5.219	-5.00000	10.00000	48.00000	.06149	.06149	.03962	.32399	.20368	.38961
47.640	-2.630	-2.50000	10.00000	48.50000	.08197	.08197	.03867	.26600	.14692	.41755
47.640	-.041	.00000	10.00000	48.50000	.08197	.09280	.06032	.20105	.09280	.41755
47.710	2.553	2.50000	10.00000	48.50000	.11445	.09280	.06032	.14692	.02785	.41755
47.620	5.146	5.00000	10.00000	48.50000	.11445	.11445	.06032	.10362	-.03710	.39590
47.620	7.650	7.50000	10.00000	48.00000	.11618	.11618	.08337	.08337	-.05882	.42242
47.620	10.348	10.00000	10.00000	48.50000	.11445	.11445	.04950	-.03710	-.12370	.35260
47.740	11.389	11.00000	10.00000	48.50000	.11445	.11445	.04950	-.03710	-.15618	.36342
47.600	12.433	12.00000	10.00000	48.00000	.10524	.09430	.03962	-.05882	-.17912	.33492
47.480	13.480	13.00000	10.00000	48.00000	.09430	.09430	.03962	-.09163	-.20100	.31305
47.500	14.523	14.00000	10.00000	48.00000	.08337	.08337	.02868	-.13538	-.22287	.30211
47.620	15.575	15.00000	10.00000	48.00000	.08337	.08337	.01774	-.15725	-.25569	.29117
47.600	16.625	16.00000	10.00000	48.00000	.06149	.06149	-.01507	-.16819	-.26662	.25836
47.500	17.671	17.00000	10.00000	48.00000	.05056	.06149	-.01507	-.22287	-.28850	.23649
47.550	18.721	18.00000	10.00000	48.00000	.03962	.03962	-.01507	-.25569	-.31037	.20368
47.530	19.768	19.00000	10.00000	48.50000	.00620	.02785	-.01545	-.29690	-.34020	.22270
47.670	20.819	20.00000	10.00000	48.50000	.00620	-.01545	-.04793	-.30773	-.39433	.17940
	GRADIENT	.96462	-.00000	-.00000	.00627	.00209	.00418	-.02297	-.02297	-.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA06V) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 166/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.850	-.063	.00000	10.00000	49.00000	.11275	.09132	.05917	.21990	.11275	.43420
47.460	5.129	5.00000	10.00000	48.00000	.15993	.11618	.06149	.09430	.00681	.44430
47.510	10.327	10.00000	10.00000	48.00000	.14899	.11618	.06149	-.04788	-.10256	.38961
47.600	15.553	15.00000	10.00000	48.50000	.09260	.06032	.02785	-.16700	-.21030	.27682
47.540	20.804	20.00000	10.00000	48.00000	.03962	.03962	-.04788	-.32131	-.37599	.17086
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (PNA06W) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 170/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.520	-5.246	-5.00000	.00000	46.50000	-.13806	-.12677	-.16064	.43764	.24574	.11028
47.570	-2.655	-2.50000	.00000	47.50000	-.10309	-.11414	-.12520	.33898	.16215	.14005
47.500	-.063	.00000	.00000	47.50000	-.08099	-.10309	-.12520	.26162	.05163	.16215
47.400	2.538	2.50000	.00000	47.50000	-.08099	-.09204	-.12520	.20636	.07374	.16215
47.470	5.136	5.00000	.00000	47.50000	-.06994	-.06994	-.12520	.15110	.04058	.16215
47.370	7.735	7.50000	.00000	47.50000	-.04783	-.09204	-.12520	.09584	-.01468	.14005
47.510	10.336	10.00000	.00000	47.50000	-.08099	-.09204	-.12520	.01848	-.09204	.10689
47.670	12.934	12.50000	.00000	47.50000	-.10309	-.10309	-.15835	-.03678	-.16940	.08479
47.560	15.548	15.00000	.00000	47.50000	-.13625	-.14730	-.18045	-.06994	-.22466	.06268
47.370	18.171	17.50000	.00000	47.00000	-.15946	-.17065	-.20415	-.10364	-.28233	-.00312
47.610	20.811	20.00000	.00000	47.50000	-.21361	-.21361	-.25782	-.20256	-.33518	-.05888
47.440	25.992	25.00000	.00000	47.50000	-.32413	-.34623	-.36833	-.31307	-.54516	-.22466
	GRADIENT	.96289	.00000	.00000	.00425	.00426	-.00000	-.02554	-.01701	.00425

ARC40X80-462(OA100) OV101(ADS OFF) (PNA06X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 171/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.650	-13.000	10.00000	10.34100	46.50000	-.30738	-.27352	-.29609	-.09291	-.28481	-.20579
47.520	-10.000	10.00000	10.33820	47.50000	-.26887	-.25782	-.26887	-.03678	-.23571	-.13625
47.410	-2.000	1.00000	10.33620	47.50000	-.11414	-.12520	-.15835	.02953	-.12520	.05163
47.410	.000	1.00000	10.33440	47.50000	-.08099	-.09204	-.12520	.04058	-.10309	.10689
47.600	5.000	-1.00000	10.34450	47.50000	.00743	-.01468	-.03678	-.01468	-.05888	.25056
47.380	10.000	1.00000	10.35610	47.00000	.11974	.09740	.04156	-.05896	-.13714	.38779
47.390	15.000	1.00000	10.36440	47.00000	.25376	.20909	.15324	-.15948	-.23766	.52181
47.200	20.000	1.00000	10.34170	47.00000	.36545	.32077	.26493	-.31584	-.39402	.64487
	GRADIENT	-.30769	.00135	.00000	.01743	.01573	.01743	-.00723	.00935	.02848

ARC40X80-462(OA100) OV101+TUFTS (ADS OFF) (PNA06Y) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000

RUN NO. 172/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP85	CP87	CP88	CP89	CP90	CP79
9.590	-.074	.00000	.00000	9.00000	-1.03712	-.97902	-.92091	-.92091	-.80470	-.45606
9.630	5.120	5.00000	.00000	10.00000	-.93228	-.83368	-.83368	-.83368	-.78138	-.41527
9.660	10.325	10.00000	.00000	10.00000	-.99059	-.93828	-.83368	-.83368	-.83368	-.41527
9.630	15.532	15.00000	.00000	9.00000	-1.03712	-.97902	-.92091	-.92091	-.80470	-.33985
9.490	20.764	20.00000	.00000	9.50000	-.98511	-.87500	-.87500	-.87500	-.76490	-.32449
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 173/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP85	CP87	CP88	CP89	CP90	CP79
19.020	-.074	.00000	.00000	17.50000	-1.09459	-.94504	-.85530	-.85530	-.79548	-.40663
19.040	5.117	5.00000	.00000	17.50000	-1.09459	-1.00486	-.94504	-.94504	-.85530	-.40663
19.090	10.324	10.00000	.00000	17.50000	-1.09459	-1.03477	-.94504	-.97495	-.91513	-.34681
19.080	15.531	15.00000	.00000	17.50000	-1.12451	-1.00486	-.94504	-.94504	-.85530	-.34681
19.090	20.782	20.00000	.00000	17.50000	-1.09459	-1.00486	-.94504	-.94504	-.85530	-.31690
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 174/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP85	CP87	CP88	CP89	CP90	CP79
47.410	-5.253	-5.00000	.00000	47.50000	-.90987	-.78830	-.69988	-.71093	-.65568	-.39044
47.630	-2.684	-2.50000	.00000	47.50000	-.95407	-.84355	-.78830	-.76619	-.71093	-.37938
47.490	-.074	.00000	.00000	47.50000	-.99723	-.87671	-.82145	-.82145	-.73304	-.33518
47.330	2.522	2.50000	.00000	46.50000	-1.02982	-.91694	-.86050	-.83792	-.80406	-.32996
47.640	5.119	5.00000	.00000	47.50000	-1.04249	-.93197	-.84356	-.83250	-.78830	-.34623
47.460	7.720	7.50000	.00000	47.50000	-1.04249	-.90387	-.85461	-.89881	-.78830	-.34623
47.660	10.323	10.00000	.00000	47.50000	-1.00933	-.95407	-.87671	-.89881	-.82145	-.32413
47.580	12.922	12.50000	.00000	47.50000	-1.00933	-.93197	-.90987	-.90987	-.81040	-.35728
47.590	15.533	15.00000	.00000	47.50000	-1.00933	-.93197	-.87671	-.85461	-.78830	-.32413
47.610	18.150	17.50000	.00000	47.50000	-.99828	-.93197	-.85461	-.85461	-.76619	-.26887
47.580	20.791	20.00000	.00000	47.50000	-1.02038	-.96513	-.87671	-.89881	-.82145	-.23571
47.190	25.997	25.00000	.00000	47.50000	-1.03144	-.90987	-.79935	-.79935	-.78830	-.29097
	GRADIENT	.96415	.00000	-.19291	-.01461	-.01415	-.01392	-.01383	-.01796	.00953

ARC40X80-462(OA100) OV101+TUFTS (ADS OFF) (PNA06Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 175/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.750	-5.249	-5.00000	5.00000	47.50000	-.90987	-.79935	-.71093	-.71093	-.65568	-.35728
47.650	-2.660	-2.50000	5.00000	48.00000	-.90098	-.79161	-.73692	-.73692	-.67130	-.37599
47.580	-.070	.00000	5.00000	48.00000	-.95566	-.85817	-.79161	-.79161	-.73692	-.35412
47.400	2.526	2.50000	5.00000	47.50000	-.98723	-.89881	-.83250	-.84356	-.79935	-.35728
47.470	5.122	5.00000	5.00000	47.50000	-.98723	-.88776	-.82145	-.87671	-.84356	-.33518
47.640	7.725	7.50000	5.00000	48.50000	-.92475	-.83816	-.80568	-.89228	-.81650	-.26443
47.450	10.326	10.00000	5.00000	48.50000	-.91393	-.85081	-.80568	-.91393	-.83816	-.26443
47.530	12.928	12.50000	5.00000	48.50000	-.89228	-.80568	-.80568	-.96806	-.80568	-.27525
47.690	15.537	15.00000	5.00000	48.50000	-.91393	-.88145	-.80568	-.83816	-.76238	-.29690
47.480	18.155	17.50000	5.00000	48.50000	-.94641	-.85981	-.80568	-.84898	-.75156	-.29690
47.590	20.788	20.00000	5.00000	48.50000	-.96806	-.85981	-.80568	-.85981	-.76238	-.31855
47.360	25.983	25.00000	5.00000	48.50000	-.92475	-.81650	-.75156	-.78403	-.67578	-.40515
	GRADIENT	.96402	.00000	-.09643	-.01663	-.02067	-.01843	-.02056	-.02469	.00361

ARC40X80-462(OA100) OV101 (PNA07A) (16 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 176/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
94.180	-.048	.00000	5.00000	97.50000	.01211	-.01504	-.02862	.29447	.00939	.31619
94.280	5.145	5.00000	5.00000	98.00000	.04416	.00904	-.02878	.16843	-.12333	.33322
94.750	10.344	10.00000	5.00000	98.75000	.02998	-.00488	-.04510	.02730	-.24353	.27667
94.370	15.559	15.00000	5.00000	98.50000	-.01012	-.05850	-.09614	-.10420	-.36494	.21568
94.330	20.825	20.00000	5.00000	98.75000	-.09069	-.10409	-.15772	-.22476	-.79590	.05679
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (PNA07B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 177/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
94.560	-5.240	-5.00000	.00000	98.75000	-.13091	-.14432	-.14432	.46169	.06216	.15064
94.350	-2.649	-2.50000	.00000	98.00000	-.10442	-.12603	-.13684	.38725	-.05579	.18464
94.170	-.056	.00000	.00000	98.00000	-.08821	-.10442	-.12333	.32511	-.10172	.19734
94.450	2.541	2.50000	.00000	98.50000	-.07194	-.09345	-.11495	.23181	-.07732	.19686
94.510	5.138	5.00000	.00000	98.50000	-.05850	-.08538	-.11764	.19686	-.13915	.17805
94.320	7.738	7.50000	.00000	98.50000	-.06388	-.09345	-.12302	.12956	-.27086	.16461
94.710	10.348	10.00000	.00000	98.50000	-.07732	-.09983	-.13108	.06246	-.32462	.13504
94.310	12.946	12.50000	.00000	98.00000	-.09902	-.12603	-.15034	.00364	-.45561	.10359
94.310	15.557	15.00000	.00000	98.00000	-.13143	-.14494	-.17736	-.05849	-.58528	.04957
94.550	18.382	17.50000	.00000	98.50000	-.16334	-.18484	-.20366	-.13915	-.71440	.00063
	GRADIENT	.96334	.00000	.09636	.00626	.00528	.00422	-.02995	-.00414	.00236

ARC40X80-462(0A100) 0V101 (PNA07C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 178/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
94.190	-5.234	-5.00000	-5.00000	97.50000	-.20509	-.22681	-.22681	.43836	.16686	-.00690
94.480	-2.643	-2.50000	-5.00000	98.00000	-.19087	-.20707	-.21518	.37374	.09279	.02255
94.510	-.049	.00000	-5.00000	98.50000	-.17947	-.19291	-.19291	.30976	.03020	.02214
94.470	2.548	2.50000	-5.00000	98.00000	-.16955	-.18316	-.19087	.23056	-.05579	.04416
94.270	5.145	5.00000	-5.00000	97.50000	-.16437	-.18086	-.18609	.17772	-.11821	.03111
94.160	7.746	7.50000	-5.00000	97.50000	-.17794	-.19423	-.19152	.11256	-.19152	.01754
94.150	10.349	10.00000	-5.00000	97.50000	-.19152	-.19955	-.20509	.03111	-.25396	-.01233
94.370	12.957	12.50000	-5.00000	97.50000	-.19423	-.22138	-.22138	-.06391	-.31641	-.04491
94.300	15.565	15.00000	-5.00000	97.25000	-.22451	-.24900	-.24900	-.09930	-.42048	-.09930
94.200	18.196	17.50000	-5.00000	97.25000	-.25989	-.28439	-.28166	-.16190	-.80697	-.15374
94.170	20.818	20.00000	-5.00000	97.50000	-.30826	-.33270	-.31641	-.21867	-.84311	-.21595
	GRADIENT	.96328	-.00000	-.00005	.00624	.00354	.00468	-.02758	-.02863	.00418

ARC40X80-462(OA100) OV101 (PNA07D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 179/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
94.250	-5.223	-5.00000	-10.00000	95.00000	-.28121	-.26728	-.25993	.38155	.12536	-.13362
94.150	-2.632	-2.50000	-10.00000	94.75000	-.27340	-.25107	-.25944	.32685	.07558	-.10868
94.300	-.039	.00000	-10.00000	95.50000	-.24980	-.23575	-.23021	.26847	-.00857	-.09892
94.240	2.566	2.50000	-10.00000	95.25000	-.23620	-.22231	-.23064	.20821	-.08343	-.09732
94.350	5.153	5.00000	-10.00000	94.75000	-.23711	-.22584	-.23711	.11188	-.16731	-.09193
94.130	7.751	7.50000	-10.00000	95.00000	-.24501	-.23108	-.23108	.06131	-.25058	-.11413
94.300	10.357	10.00000	-10.00000	95.00000	-.25693	-.25058	-.25083	-.00831	-.30070	-.13919
94.440	12.955	12.50000	-10.00000	95.00000	-.27842	-.26450	-.27285	-.06122	-.37032	-.17539
94.390	15.590	15.00000	-10.00000	95.00000	-.30070	-.30070	-.29792	-.13919	-.42601	-.22273
94.270	18.201	17.50000	-10.00000	95.00000	-.33412	-.32855	-.32955	-.21716	-.47614	-.26450
94.070	20.817	20.00000	-10.00000	95.00000	-.36753	-.37589	-.35639	-.28678	-.52348	-.30070
	GRADIENT	.96376	-.00000	.09637	.00717	.00554	.00555	-.02287	-.03065	.00219

ARC40X80-462(OA100) OV101+NOSE GEAR (PNA07E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 180/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
94.090	-.048	.00000	5.00000	96.00000	.01321	-.00508	-.03916	.28885	-.00884	.33947
94.500	10.345	10.00000	5.00000	96.50000	.01833	-.00910	-.04201	.02655	-.22849	.26515
94.420	15.558	15.00000	5.00000	96.50000	-.02281	-.05023	-.08863	-.08863	-.59324	.18287
94.220	20.813	20.00000	5.00000	96.00000	-.10255	-.12461	-.15768	-.21832	-1.20786	.02148
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (PNA07F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 181/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
94.260	-5.240	-5.00000	.00000	96.50000	-.13251	-.13251	-.15719	.45986	.02930	.15819
94.390	-2.648	-2.50000	.00000	96.50000	-.11057	-.11880	-.13251	.41050	-.11880	.17739
94.370	-.055	.00000	.00000	96.75000	-.09676	-.10497	-.12412	.32177	-.04479	.19226
93.980	2.539	2.50000	.00000	96.00000	-.07499	-.09153	-.11082	.25578	-.05845	.18962
94.500	5.138	5.00000	.00000	96.50000	-.06943	-.08314	-.11057	.18561	-.20930	.18561
94.490	7.739	7.50000	.00000	96.00000	-.07775	-.08877	-.11634	.12898	-.26518	.15655
94.370	10.347	10.00000	.00000	96.25000	-.08320	-.10245	-.13269	.07351	-.37189	.12300
94.240	12.946	12.50000	.00000	96.00000	-.09704	-.12461	-.14941	.00495	-.51601	.08764
94.570	15.556	15.00000	.00000	96.50000	-.13251	-.14348	-.16542	-.05298	-.62066	.04849
94.140	20.804	20.00000	.00000	96.00000	-.21281	-.22659	-.24037	-.20454	-1.03697	-.08877
	GRADIENT	.96389	.00000	-.09641	.00686	.00526	.00418	-.02983	.01163	.00236

ARC40X80-462(OA100) OV101+NOSE GEAR (PNA07G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 182/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
94.590	-.048	.00000	-5.00000	96.75000	-.19251	-.19251	-.18704	.30536	.01813	.03454
94.180	5.147	5.00000	-5.00000	96.00000	-.16595	-.17146	-.18524	.19238	-.13287	.04078
94.460	10.351	10.00000	-5.00000	96.50000	-.17639	-.17913	-.20107	.02107	-.23123	-.02281
94.200	15.563	15.00000	-5.00000	96.00000	-.22659	-.22659	-.24037	-.10255	-.42229	-.10255
94.470	20.815	20.00000	-5.00000	96.50000	-.28334	-.29431	-.29980	-.21204	-1.17738	-.20655
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (PNA07H) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = -10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 183/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
94.280	-.035	.00000	-10.00000	96.00000	-.27069	-.25691	-.24037	.24475	-.03640	-.11834
94.380	5.152	5.00000	-10.00000	96.50000	-.24769	-.22849	-.22575	.12254	-.18736	-.11605
94.250	10.356	10.00000	-10.00000	96.00000	-.24864	-.24313	-.24864	-.02252	-.32582	-.15768
94.220	15.581	15.00000	-10.00000	96.00000	-.30377	-.29550	-.28447	-.14941	-.44435	-.23486
94.530	20.834	20.00000	-10.00000	96.50000	-.35739	-.36561	-.34093	-.29705	-.57404	-.32174
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA07I) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 184/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
94.150	-.052	.00000	5.00000	95.75000	.02169	-.01976	-.04187	.28422	.01340	.33119
94.290	5.140	5.00000	5.00000	96.25000	.04052	.01303	-.03371	.12850	-.12994	.33196
94.410	10.342	10.00000	5.00000	96.50000	.03478	-.00087	-.03926	-.01458	-.27511	.26789
94.530	15.560	15.00000	5.00000	96.75000	-.00923	-.03658	-.08309	-.14327	-.37579	.19046
94.310	20.818	20.00000	5.00000	95.75000	-.10266	-.09713	-.15793	-.27676	-.47848	.06314
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA07J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 185/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
94.060	-5.240	-5.00000	.00000	96.25000	-.14369	-.13819	-.15194	.42819	.01303	.17249
94.520	-2.649	-2.50000	.00000	96.75000	-.11044	-.10771	-.13780	.35460	-.02564	.19594
94.500	-.060	.00000	.00000	97.00000	-.08849	-.09667	-.11850	.29898	-.11850	.19802
93.980	2.537	2.50000	.00000	96.25000	-.08320	-.09145	-.11894	.24123	-.14644	.20548
94.070	5.133	5.00000	.00000	95.50000	-.07506	-.08892	-.11662	.17982	-.23021	.20752
93.670	7.735	7.50000	.00000	95.75000	-.07503	-.08332	-.11924	.09078	-.25465	.17921
94.470	10.340	10.00000	.00000	97.00000	-.09303	-.08303	-.12396	.03703	-.33134	.15436
94.200	12.941	12.50000	.00000	96.25000	-.09595	-.11069	-.14644	-.02271	-.35264	.10651
95.730	15.555	15.00000	.00000	98.25000	-.11509	-.13665	-.15820	-.11778	-.44654	.07354
94.370	18.182	17.50000	.00000	96.75000	-.13780	-.17883	-.20619	-.19798	-.54812	.00719
	GRADIENT	.96417	.00000	-.09652	.00525	.00313	.00363	-.02186	-.02329	.00184

ARC40X80-462(OA100) OV101(FTP OFF) (PNA07K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 186/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
94.190	-.053	.00000	-5.00000	96.25000	-.17393	-.17668	-.18493	.28797	.01853	.04877
93.830	5.144	5.00000	-5.00000	96.25000	-.15743	-.16568	-.19043	.14500	-.11619	.04877
93.970	10.346	10.00000	-5.00000	95.75000	-.16898	-.17175	-.19938	.01893	-.26294	-.00871
94.430	15.562	15.00000	-5.00000	96.75000	-.21713	-.23354	-.23354	-.12959	-.37852	-.07488
94.150	20.819	20.00000	-5.00000	96.25000	-.30040	-.30040	-.29765	-.25641	-.50936	-.19868
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA07L) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = -10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 187/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
94.450	-.040	.00000	-10.00000	96.75000	-.25542	-.24175	-.23901	.23150	-.01470	-.08309
94.330	5.151	5.00000	-10.00000	96.50000	-.24220	-.23398	-.23398	.08140	-.18461	-.09686
94.270	10.353	10.00000	-10.00000	96.25000	-.26191	-.25366	-.26191	-.05021	-.30865	-.12994
94.200	20.827	20.00000	-10.00000	96.25000	-.37189	-.37189	-.36914	-.33614	-.56984	-.30865
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA07M) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000

RUN NO. 188/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP86	CP87	CP88	CP89	CP90	CP79
94.160	-.073	.00000	.00000	96.25000	-.08595	-.09145	-.12444	.30996	-.14369	.19174
94.210	5.117	5.00000	.00000	96.25000	-.06121	-.08320	-.11069	.17249	-.19318	.19999
94.200	10.325	10.00000	.00000	96.25000	-.07770	-.08870	-.12444	.04052	-.29765	.15050
94.330	15.539	15.00000	.00000	96.25000	-.11894	-.14369	-.16843	-.11619	-.45987	.05977
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (PNA07N) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 10.000
AILRON = .000 BDFLAP = 22.000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 189/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.640	-10.000	10.00000	10.55350	48.75000	-.25739	-.26275	-.28422	-.09639	-.31105	-.13932
47.530	-5.000	10.00000	10.53930	48.50000	-.18290	-.20448	-.22066	.00050	-.27460	-.01568
47.240	-2.000	10.00000	10.53680	48.00000	-.11337	-.15151	-.17876	.01198	-.23326	.05012
47.530	.000	10.00000	10.53670	48.50000	-.08041	-.12356	-.13975	-.01568	-.27460	.12995
47.480	2.000	10.00000	10.53580	48.75000	-.02552	-.08565	-.11249	-.00515	-.21445	.18268
47.380	5.000	10.00000	10.53490	48.25000	.02789	-.01548	-.06970	-.02090	-.23235	.26645
47.450	10.000	10.00000	10.54590	48.75000	.13974	.07534	.03241	-.08565	-.28422	.38661
47.380	20.000	10.00000	10.53400	48.50000	.38887	.31874	.25401	-.39327	-.57127	.64238
	GRADIENT	.00000	-.00041	.00431	.02116	.01856	.01530	-.00244	.00429	.02889

ARC40X80-462(OA100) OV101(FTP OFF) (PNA070) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 10.000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000

RUN NO. 190/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.640	-10.000	10.00000	10.48410	48.50000	-.25841	-.26381	-.27460	-.06962	-.28539	-.15054
47.550	-5.000	10.00000	10.47300	48.50000	-.18829	-.19369	-.20987	-.00490	-.23144	-.00490
47.650	-2.000	10.00000	10.46590	48.75000	-.10712	-.13932	-.17689	.02168	-.23592	.07534
47.360	.000	10.00000	10.46350	48.50000	-.06862	-.11278	-.13975	.01129	-.22066	.14614
47.420	2.000	10.00000	10.46720	48.50000	-.02647	-.06862	-.11278	.01129	-.20448	.19468
47.500	5.000	10.00000	10.47040	48.75000	.02705	-.01589	-.06955	-.01589	-.23055	.27928
47.490	15.000	10.00000	10.48130	48.50000	.28099	.21086	.15153	-.23144	-.40945	.53450
47.330	20.000	10.00000	10.46300	48.75000	.40271	.32221	.24708	-.38082	-.57938	.62811
	GRADIENT	.00000	-.00018	.01293	.02134	.01773	.01431	-.00131	.00116	.02861

ARC40X80-462(OA100) OV101 (PNA07P) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 85/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.990	-13.000	10.00000	10.36050	47.50000	-.32413	-.29097	-.27992	-.15835	-.29097	-.21361
47.900	-10.000	10.00000	10.35670	47.50000	-.26887	-.24676	-.25782	-.06994	-.23571	-.15835
47.580	-5.000	10.00000	10.35060	47.50000	-.18045	-.18045	-.22466	-.01468	-.22466	-.03678
47.840	-2.000	10.00000	10.34730	47.50000	-.12520	-.12520	-.14730	.04058	-.33518	.05163
47.790	.000	10.00000	10.34500	47.50000	-.08894	-.10309	-.11414	.02953	-.35728	.10689
47.800	2.000	10.00000	10.34700	47.50000	-.04783	-.04783	-.09204	.04058	-.27992	.17320
47.750	5.000	10.00000	10.34890	47.50000	.02953	-.01468	-.01468	.00743	-.19150	.25056
47.630	10.000	10.00000	10.35780	47.50000	.17320	.11794	.05163	-.03678	-.26887	.38318
47.530	15.000	10.00000	10.35930	47.50000	.25056	.22846	.16215	-.18045	-.34623	.50475
	GRADIENT	.00000	-.00016	.00000	.02077	.01696	.02001	.00191	.00476	.02896

ARC40X80-462(OA100) OV101 (PNA07Q) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000

RUN NO. 100/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP86	CP87	CP88	CP89	CP90	CP79
47.610	-13.000	10.00000	10.34010	46.00000	-.31016	-.28734	-.28734	-.11618	-.31016	-.23029
47.820	-10.000	10.00000	10.33610	46.00000	-.25311	-.27593	-.27593	-.04772	-.28734	-.16182
47.670	-5.000	10.00000	10.32700	46.00000	-.17323	-.18465	-.19606	.02074	-.25311	-.01349
47.670	-2.000	10.00000	10.32420	46.00000	-.10477	-.13900	-.16182	.08920	-.34439	.06638
47.600	.000	10.00000	10.32430	46.00000	-.09195	-.10477	-.13900	.05497	-.34439	.11202
47.560	2.000	10.00000	10.32280	46.00000	-.02490	-.05913	-.10477	.05497	-.33298	.18048
47.750	5.000	10.00000	10.32720	46.00000	.04356	-.01349	-.04772	.00933	-.21888	.23753
47.670	10.000	10.00000	10.33270	46.00000	.14625	.10061	.06638	-.05913	-.32157	.39728
47.610	15.000	10.00000	15.34150	46.00000	.26035	.22612	.14625	-.16182	-.42426	.52279
47.680	20.000	10.00000	15.33100	46.00000	.39728	.34022	.26035	-.31016	-.59541	.63689
	GRADIENT	.00000	-.00003	.00000	.02144	.01751	.01475	-.00216	.00334	.02557

ARC40X80-462(OA100) OV101 (QNA02D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 57/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.760	-.064	10.00000	.00000	48.00000	.18180	10.17740
47.770	2.461	10.00000	.00000	48.00000	.18180	10.17930
47.800	4.956	10.00000	.00000	48.00000	.20368	10.18250
47.880	7.495	10.00000	.00000	48.00000	.17940	10.18790
47.690	10.020	10.00000	.00000	48.00000	.18180	10.18750
47.640	15.039	10.00000	.00000	48.00000	.18180	10.21370
	GRADIENT	-.00000	.00000	-.00000	.00435	.00102

ARC40X80-462(OA100) OV101 (QNA02E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 58/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.510	-.064	15.00000	.00000	48.00000	.31305	15.39270
47.450	2.461	15.00000	.00000	47.00000	.32077	15.38990
47.560	4.971	15.00000	.00000	48.00000	.30211	15.39340
47.500	7.465	15.00000	.00000	48.00000	.31305	15.39760
47.370	10.020	15.00000	.00000	48.00000	.32399	15.39600
47.570	15.055	15.00000	.00000	48.00000	.31305	15.39770
	GRADIENT	.00000	.00000	-.00038	-.00217	.00014

ARC40X80-462(OA100) OV101 (QNA02F) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 59/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
45.310	-.064	20.00000	.00000	50.00000	.39298	20.65880
47.090	2.461	20.00000	.00000	47.00000	.45480	20.65709
47.500	4.971	20.00000	.00000	48.00000	.43336	20.65230
47.390	7.480	20.00000	.00000	47.00000	.46597	20.65919
47.470	10.020	20.00000	.00000	48.00000	.45523	20.65590
47.360	15.010	20.00000	.00000	48.00000	.43336	20.65469
	GRADIENT	.00000	.00000	-.39805	.00804	-.00129

ARC40X80-462(OA100) OV101 (QNA02G) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = -20.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 70/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
48.060	-.053	.00000	.00000	48.50000	-.06958	-.34040
47.800	2.441	.00000	.00000	47.50000	-.08099	-.33890
47.850	4.966	.00000	.00000	48.50000	-.08040	-.32630
47.690	7.475	.00000	.00000	48.50000	-.05875	-.30830
47.660	10.000	.00000	.00000	48.50000	-.06958	-.28860
47.530	15.005	.00000	.00000	47.50000	-.08099	-.25800
	GRADIENT	.00000	.00000	.00082	-.00215	.00281

ARC40X80-462(OA100) OV101 (QNA02H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 71/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.420	-.068	5.00000	.00000	49.50000	.05804	4.84390
47.380	2.456	5.00000	.00000	47.50000	.07374	4.85130
47.560	4.966	5.00000	.00000	47.50000	.04058	4.85170
47.530	7.476	5.00000	.00000	47.50000	.06268	4.87510
47.490	9.986	5.00000	.00000	47.50000	.07374	4.89760
47.450	15.020	5.00000	.00000	47.50000	.05163	4.93140
	GRADIENT	-.00000	.00000	-.39767	-.00346	.00354

ARC40X80-462(OA100) OV101 (QNA021) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 72/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.650	-.053	10.00000	.00000	47.50000	.18425	10.03710
47.620	2.442	10.00000	.00000	48.50000	.19022	10.03800
47.580	5.408	10.00000	.00000	47.50000	.19530	10.07030
47.500	7.491	10.00000	.00000	47.50000	.18425	10.07050
47.460	10.000	10.00000	.00000	47.50000	.18425	10.09890
47.370	15.035	10.00000	.00000	47.50000	.21741	10.13050
	GRADIENT	.00000	.00000	.40087	.00239	.00036

ARC40X80-462(0A100) 01 (QNA02J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 73/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP92	ALPHA
47.540	-.053	15.00000	.00000	47.50000	.32793	15.23020
47.580	2.456	15.00000	.00000	47.50000	.32793	15.22850
47.480	4.986	15.00000	.00000	47.50000	.31687	15.23270
47.420	7.491	15.00000	.00000	49.00000	.30562	15.26340
47.350	9.970	15.00000	.00000	47.50000	.33898	15.28240
47.430	15.020	15.00000	.00000	47.50000	.30582	15.33470
	GRADIENT	-.00000	.00000	-.00000	-.00220	.00050

ARC40X80-462(0A100) 0V101 (QNA02K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 74/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP92	ALPHA
47.470	-.068	20.00000	.00000	48.50000	.43920	20.48309
47.470	2.456	20.00000	.00000	47.50000	.44949	20.48579
47.410	4.981	20.00000	.00000	47.50000	.48265	20.48569
47.390	7.461	20.00000	.00000	47.50000	.46054	20.48810
47.330	9.986	20.00000	.00000	47.50000	.43844	20.49449
47.780	15.020	20.00000	.00000	48.50000	.43920	20.56299
	GRADIENT	-.00000	.00000	-.19805	.00861	.00051

ARC40X80-462(0A100) 0V101 (QNA02L) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 60/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.680	.000	.00000	5.00000	47.00000	-.08130	-.04990
47.880	2.524	.00000	5.00000	48.00000	-.10256	-.05140
47.850	5.005	.00000	5.00000	48.00000	-.10256	-.05250
47.800	7.514	.00000	5.00000	48.00000	-.09163	-.05330
47.730	10.024	.00000	5.00000	48.00000	-.09163	-.05380
47.790	15.068	.00000	5.00000	48.00000	-.10256	-.05320
	GRADIENT	.00000	.00000	.39612	-.00842	-.00059

ARC40X80-462(0A100) 0V101 (QNA02M) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 61/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.920	.000	5.00000	5.00000	48.00000	.02868	5.14540
47.840	2.510	5.00000	5.00000	48.00000	.05056	5.14770
47.740	4.990	5.00000	5.00000	48.00000	-.04788	5.14580
47.700	7.514	5.00000	5.00000	47.00000	.04156	5.14660
47.820	10.009	5.00000	5.00000	48.00000	.05056	5.14540
47.620	15.058	5.00000	5.00000	48.00000	.02868	5.14370
	GRADIENT	-.00000	-.00000	-.00000	-.01529	.00008

ARC40X80-462(OA100) OV101 (QNA02N) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 62/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.830	.000	10.00000	5.00000	48.00000	.17086	10.34720
47.820	2.495	10.00000	5.00000	48.00000	.17086	10.34480
47.780	5.005	10.00000	5.00000	48.00000	.17086	10.34240
47.670	7.499	10.00000	5.00000	48.00000	.18180	10.34300
47.670	10.024	10.00000	5.00000	48.00000	.17086	10.34630
47.800	15.088	10.00000	5.00000	48.00000	.17086	10.34780
	GRADIENT	.00000	.00000	.00000	.00000	-.00096

ARC40X80-462(OA100) OV101 (QNA02O) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 63/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.700	.000	15.00000	5.00000	48.00000	.37867	15.55740
47.800	2.524	15.00000	5.00000	48.00000	.30211	15.55920
47.750	5.005	15.00000	5.00000	48.00000	.28024	15.55860
47.700	7.499	15.00000	5.00000	48.00000	.29117	15.55630
47.770	10.024	15.00000	5.00000	48.00000	.28024	15.56090
47.900	15.058	15.00000	5.00000	48.00000	.29117	15.55880
	GRADIENT	.00000	.00000	.00000	-.03033	.00071

ARC40X80-462(OA100) OV101 (QNA02P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 64/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP92	ALPHA
47.710	.000	20.00000	5.00000	48.50000	.45002	20.81099
48.030	2.524	20.00000	5.00000	48.00000	.43336	20.81099
47.850	5.020	20.00000	5.00000	48.00000	.40055	20.81439
47.840	7.499	20.00000	5.00000	48.00000	.45523	20.81369
47.810	10.009	20.00000	5.00000	48.00000	.44430	20.81110
47.700	15.073	20.00000	5.00000	48.00000	.42242	20.80440
	GRADIENT	.00000	.00000	-.19606	-.00660	.00000

ARC40X80-462(OA100) OV101 (QNA02Q) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 65/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP92	ALPHA
47.570	.035	.00000	5.00000	47.00000	-.09247	.09770
47.800	2.559	.00000	5.00000	48.00000	-.10256	.09610
47.770	5.068	.00000	5.00000	48.00000	-.09163	.09620
47.740	7.533	.00000	5.00000	47.00000	-.10364	.09890
47.730	10.043	.00000	5.00000	48.00000	-.10255	.09560
47.770	12.886	.00000	5.00000	48.00000	-.11350	.08890
	GRADIENT	.00000	.00000	.39622	-.00400	-.00063

ARC40X80-462(OA100) OV101 (QNA02R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 66/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.850	.049	5.00000	5.00000	48.00000	.02868	5.29310
47.690	2.559	5.00000	5.00000	48.00000	.02868	5.29330
47.780	5.024	5.00000	5.00000	48.00000	.02868	5.29510
47.750	7.518	5.00000	5.00000	48.50000	.00620	5.29330
47.710	10.043	5.00000	5.00000	47.00000	.04156	5.29450
47.610	12.896	5.00000	5.00000	48.00000	.03962	5.29640
	GRADIENT	.00000	.00000	.00000	.00000	.00008

ARC40X80-462(OA100) OV101 (QNA02S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 67/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.830	.049	10.00000	5.00000	48.00000	.18180	10.49490
47.440	2.559	10.00000	5.00000	48.50000	.15775	10.49380
47.780	5.068	10.00000	5.00000	48.00000	.18180	10.49550
47.740	7.578	10.00000	5.00000	48.00000	.13805	10.49660
47.710	10.043	10.00000	5.00000	48.00000	.18180	10.49480
47.810	12.896	10.00000	5.00000	48.00000	.15993	10.49630
	GRADIENT	.00000	.00000	.19925	-.00959	-.00044

ARC40X80-462(OA100) OV101 (QNA02T) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 68/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP92	ALPHA
47.580	.049	15.00000	5.00000	47.00000	.29844	15.70980
47.690	2.543	15.00000	5.00000	48.00000	.29117	15.71140
47.710	5.038	15.00000	5.00000	48.00000	.30211	15.71090
47.740	7.534	15.00000	5.00000	48.50000	.28765	15.71150
47.700	10.058	15.00000	5.00000	48.00000	.35680	15.71250
47.800	12.896	15.00000	5.00000	48.00000	.17086	15.70700
	GRADIENT	.00000	.00000	.40095	-.00291	.00064

ARC40X80-462(OA100) OV101 (QNA02U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 69/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP92	ALPHA
47.550	.064	20.00000	5.00000	48.00000	.45523	20.96309
47.680	2.559	20.00000	5.00000	48.00000	.41148	20.96489
47.610	5.054	20.00000	5.00000	48.00000	.41148	20.95999
47.460	7.534	20.00000	5.00000	48.50000	.42837	20.96539
47.300	10.058	20.00000	5.00000	48.50000	.41755	20.95909
47.320	12.896	20.00000	5.00000	48.50000	.42837	20.94559
	GRADIENT	.00000	.00000	.00000	-.01754	.00072

ARC40X80-462(OA100) OV101 (QNA02V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 75/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP92	ALPHA
47.400	.000	.00000	10.00000	49.50000	-.12229	-.04110
47.360	2.524	.00000	10.00000	47.50000	-.12520	-.04090
47.470	5.005	.00000	10.00000	49.50000	-.12229	-.03870
47.420	7.514	.00000	10.00000	47.50000	-.12520	-.03850
47.490	10.009	.00000	10.00000	47.50000	-.12520	-.03640
47.360	15.058	.00000	10.00000	49.50000	-.14351	-.03750
	GRADIENT	.00000	.00000	-.79224	-.00115	.00008

ARC40X80-462(OA100) OV101 (QNA02W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 76/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	Q1	CP92	ALPHA
47.750	.000	5.00000	10.00000	47.50000	.00743	5.14960
47.750	2.509	5.00000	10.00000	47.50000	.00743	5.15250
47.660	4.990	5.00000	10.00000	47.50000	.01848	5.15210
47.580	7.514	5.00000	10.00000	49.50000	.00500	5.15420
47.440	10.024	5.00000	10.00000	47.50000	.01848	5.15550
47.440	15.058	5.00000	10.00000	49.50000	.00500	5.15870
	GRADIENT	.00000	.00000	.00000	.00221	.00050

ARC40X80-462(OA100) OV101 (QNA02X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 77/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.680	.000	10.00000	10.00000	47.50000	.15110	10.35210
47.630	2.509	10.00000	10.00000	47.50000	.12899	10.35130
47.600	5.019	10.00000	10.00000	47.50000	.12899	10.34970
47.450	7.529	10.00000	10.00000	47.50000	.14005	10.35210
47.390	10.024	10.00000	10.00000	47.50000	.14005	10.35430
47.370	15.058	10.00000	10.00000	47.50000	.15110	10.36380
	GRADIENT	.00000	.00000	.00000	-.00881	-.00032

ARC40X80-462(OA100) OV101 (QNA02Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 78/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.490	.000	15.00000	10.00000	49.00000	.25204	15.57450
47.420	2.481	15.00000	10.00000	49.50000	.27019	15.57630
47.490	5.005	15.00000	10.00000	49.00000	.26276	15.57790
47.420	7.514	15.00000	10.00000	47.50000	.27267	15.57640
47.270	10.024	15.00000	10.00000	47.50000	.27267	15.57920
47.500	15.088	15.00000	10.00000	47.50000	.28372	15.58190
	GRADIENT	.00000	.00000	.20154	.00731	.00073

ARC40X80-462(OA100) OV101 (QNA02Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 79/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.610	.000	20.00000	10.00000	47.50000	.41634	20.82259
47.510	2.510	20.00000	10.00000	47.50000	.41634	20.82199
47.470	5.020	20.00000	10.00000	47.50000	.41634	20.82559
47.420	7.514	20.00000	10.00000	49.00000	.36991	20.82520
47.380	10.009	20.00000	10.00000	47.50000	.40529	20.82790
47.730	15.073	20.00000	10.00000	47.50000	.40529	20.82548
	GRADIENT	.00000	.00000	.00000	.00000	-.00024

ARC40X80-462(OA100) OV101 (QNA03A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 80/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.370	.035	.00000	10.00000	47.50000	-.12520	.10890
47.290	2.559	.00000	10.00000	47.50000	-.12520	.10520
47.470	5.053	.00000	10.00000	47.50000	-.12520	.10540
47.510	7.533	.00000	10.00000	47.50000	-.13625	.10220
47.370	10.058	.00000	10.00000	47.50000	-.12520	.10200
47.570	12.896	.00000	10.00000	49.00000	-.12299	.09530
	GRADIENT	.00000	.00000	-.00000	.00000	-.00147

ARC40X80-462(0A100) 0V101 (QNA03B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 81/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.580	.010	5.00000	10.00000	47.50000	.02953	5.30290
47.460	2.529	5.00000	10.00000	49.00000	.02702	5.29570
47.450	5.054	5.00000	10.00000	47.50000	.00743	5.29710
47.340	7.548	5.00000	10.00000	47.50000	.01848	5.29960
47.720	10.043	5.00000	10.00000	47.50000	.01848	5.30020
47.370	12.896	5.00000	10.00000	47.50000	.00743	5.30320
	GRADIENT	.00000	.00000	.59555	-.00099	-.00246

ARC40X80-462(0A100) 0V101 (QNA03C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 82/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.560	.064	10.00000	10.00000	49.00000	.14489	10.50020
47.530	2.543	10.00000	10.00000	47.50000	.14005	10.49990
47.500	5.053	10.00000	10.00000	49.00000	.14489	10.50610
47.540	7.563	10.00000	10.00000	47.50000	.15110	10.50840
47.370	10.043	10.00000	10.00000	47.50000	.15110	10.50960
47.080	12.896	10.00000	10.00000	47.50000	.14005	10.51190
	GRADIENT	.00000	.00000	-.60512	-.00195	-.00012

ARC40X80-462(0A100) 0V101 (QNA03D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 83/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.350	.049	15.00000	10.00000	47.50000	.27267	15.73260
47.310	2.543	15.00000	10.00000	47.50000	.27267	15.73400
47.290	5.039	15.00000	10.00000	49.00000	.25204	15.73690
47.330	7.549	15.00000	10.00000	47.50000	.27267	15.73080
47.350	10.028	15.00000	10.00000	47.50000	.28372	15.73340
47.360	12.896	15.00000	10.00000	47.50000	.28372	15.73140
	GRADIENT	-.00000	.00000	-.00000	-.00000	.00056

ARC40X80-462(0A100) 0V101 (QNA03E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 84/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHAU	BETA	QI	CP92	ALPHA
47.920	.035	20.00000	10.00000	48.00000	.35680	20.98369
47.790	2.559	20.00000	10.00000	49.00000	.41148	20.98430
47.750	5.038	20.00000	10.00000	48.00000	.36773	20.98329
47.640	7.548	20.00000	10.00000	48.00000	.38961	20.98200
47.520	10.058	20.00000	10.00000	48.00000	.40055	20.97629
47.560	12.896	20.00000	10.00000	48.00000	.43336	20.97119
	GRADIENT	.00000	.00000	.00000	.02167	.00024

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (QNA03R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 101/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.490	-5.240	-5.00000	.00000	47.50000	-.21361
47.690	-2.649	-2.50000	.00000	47.50000	-.13625
47.600	-.056	.00000	.00000	47.50000	-.05888
47.720	2.541	2.50000	.00000	47.50000	-.01468
47.640	5.139	5.00000	.00000	47.50000	.07374
47.850	7.739	7.50000	.00000	48.50000	.13610
47.600	10.342	10.00000	.00000	47.50000	.19530
47.730	12.941	12.50000	.00000	47.50000	.23951
47.580	15.556	15.00000	.00000	47.50000	.31687
47.500	18.180	17.50000	.00000	47.50000	.37213
47.570	20.226	20.00000	.00000	47.50000	.47160
46.010	26.006	25.00000	.00000	50.50000	.54442
	GRADIENT	.96343	.00000	-.00000	.02342

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (QNA03S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 102/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP92
47.510	-13.000	.00000	-.03430	47.50000	-.13625
47.670	-10.000	.00000	-.03790	47.50000	-.12520
47.610	-5.000	.00000	-.04830	47.50000	-.09204
47.630	-2.000	.00000	-.05370	47.50000	-.08099
47.730	.000	.00000	-.05820	47.50000	-.06994
47.580	2.000	.00000	-.05550	47.50000	-.06994
47.730	5.000	.00000	-.05050	47.50000	-.08099
47.630	10.000	.00000	-.04280	47.50000	-.13625
47.590	15.000	.00000	-.03150	48.50000	-.16700
47.660	20.000	.00000	-.02170	47.50000	-.27992
	GRADIENT	.00000	-.00026	.00000	.00133

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (QNA03T) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 103/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP92
47.560	-13.000	5.00000	5.15850	47.50000	-.02573
47.650	-10.000	5.00000	5.15620	47.50000	.01848
47.600	-5.000	5.00000	5.14610	47.50000	.02953
47.660	-2.000	5.00000	5.13950	47.50000	.06268
47.650	.000	5.00000	5.14090	47.50000	.06268
47.620	2.000	5.00000	5.13740	47.50000	.05163
47.710	5.000	5.00000	5.14340	48.50000	.04950
47.750	10.000	5.00000	5.14940	48.50000	-.00463
47.650	15.000	5.00000	5.15490	48.50000	-.05875
47.600	20.000	5.00000	5.14970	49.00000	-.15513
	GRADIENT	.00000	-.00031	.08621	.00134

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (QNA03U) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 104/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP92
47.610	-13.000	10.00000	10.35520	49.00000	.10203
47.590	-10.000	10.00000	10.35530	48.50000	.11445
47.560	-5.000	10.00000	10.34610	47.50000	.18425
47.520	-2.000	10.00000	10.34310	47.50000	.19530
47.450	.000	10.00000	10.34350	47.50000	.18425
47.610	2.000	10.00000	10.34430	47.50000	.20635
47.660	5.000	10.00000	10.34630	48.50000	.19022
47.470	10.000	10.00000	10.35090	47.50000	.15110
47.600	15.000	10.00000	10.35330	48.50000	.07115
47.630	20.000	10.00000	10.34310	47.50000	-.01468
	GRADIENT	.00000	.00006	.08621	.00090

ARC40X80-462(0A100) OV101(RCS PORTS CLOSED) (QNA03V) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 105/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP92
47.610	-13.000	15.00000	15.57470	47.50000	.20636
47.680	-10.000	15.00000	15.56040	48.50000	.21187
47.610	-5.000	15.00000	15.55930	48.50000	.29847
47.520	-2.000	15.00000	15.55560	47.50000	.31687
47.510	.000	15.00000	15.55590	47.50000	.31687
47.690	2.000	15.00000	15.55470	48.50000	.30930
47.650	5.000	15.00000	15.55750	49.00000	.30562
47.640	10.000	15.00000	15.57710	47.50000	.28372
47.540	15.000	15.00000	15.58280	47.50000	.21741
47.330	20.000	15.00000	15.56830	47.50000	.08479
	GRADIENT	.00000	-.00023	.07759	.00035

ARC40X80-462(0A100) OV101(RCS PORTS CLOSED) (QNA03W) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 106/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP92
47.510	-13.000	20.00000	20.83679	47.50000	.33898
47.660	-10.000	20.00000	20.83179	47.50000	.39424
47.540	-5.000	20.00000	20.81678	47.50000	.43844
47.630	-2.000	20.00000	20.82199	47.50000	.47160
47.510	.000	20.00000	20.82419	49.00000	.43420
47.670	2.000	20.00000	20.81980	48.50000	.45002
47.760	5.000	20.00000	20.80379	47.50000	.47160
47.800	10.000	20.00000	20.82329	48.50000	.38507
47.650	15.000	20.00000	20.82309	49.00000	.33776
47.520	20.000	20.00000	20.80010	47.50000	.20636
	GRADIENT	.00000	-.00120	.03448	.00211

ARC40X80-462(OA100) OV101 (QNA03X) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000

RUN NO. 88/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.710	-.075	.00000	.00000	48.00000	-.06975
47.670	10.320	10.00000	.00000	48.00000	.18180
47.790	15.535	15.00000	.00000	48.00000	.32399
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (QNA03Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-15.000

RUN NO. 89/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.690	-.072	.00000	.00000	48.00000	-.05882
47.740	10.326	10.00000	.00000	48.00000	.21461
47.760	15.535	15.00000	.00000	48.00000	.31305
47.760	20.801	20.00000	.00000	48.00000	.46617
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (QNA03Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 90/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.790	-.073	.00000	.00000	48.00000	-.06975
47.600	5.118	5.00000	.00000	48.00000	.07243
47.860	10.323	10.00000	.00000	48.00000	.21461
47.710	15.537	15.00000	.00000	48.00000	.33492
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (QNA04A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 91/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.650	-.074	.00000	.00000	47.00000	-.05896
47.790	5.119	5.00000	.00000	48.00000	.07243
47.710	10.321	10.00000	.00000	47.00000	.19792
47.710	15.535	15.00000	.00000	47.00000	.35545
47.720	20.804	20.00000	.00000	48.00000	.44430
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (QNA04B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	10.000

RUN NO. 92/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.670	-.074	.00000	.00000	48.00000	-.06975
47.690	5.119	5.00000	.00000	47.00000	.09740
47.570	10.324	10.00000	.00000	48.00000	.19274
47.720	15.537	15.00000	.00000	48.00000	.31305
47.780	20.801	20.00000	.00000	48.00000	.46617
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (QNA04C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	15.000

RUN NO. 93/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.680	-.073	.00000	.00000	47.00000	-.07013
47.710	5.118	5.00000	.00000	47.00000	.06389
47.630	10.324	10.00000	.00000	48.00000	.19274
47.710	15.539	15.00000	.00000	48.00000	.34586
47.670	20.802	20.00000	.00000	48.00000	.47711
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (QNA04D) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	48.000	RUDDER =	19.500

RUN NO. 94/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.870	-.072	.00000	.00000	48.00000	-.06975
47.720	5.119	5.00000	.00000	47.00000	.07506
47.720	10.322	10.00000	.00000	47.00000	.18675
47.720	15.534	15.00000	.00000	48.00000	.31305
47.660	20.804	20.00000	.00000	47.00000	.47713
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (QNA04E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 95/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.660	-.070	.00000	5.00000	47.50000	-.08099
47.740	5.125	5.00000	5.00000	48.50000	.04950
47.800	10.327	10.00000	5.00000	48.50000	.17940
47.730	15.538	15.00000	5.00000	48.50000	.30930
47.720	20.789	20.00000	5.00000	47.50000	.44949
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (QNA04F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 96/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.710	-.070	.00000	5.00000	48.50000	-.08040
47.690	5.123	5.00000	5.00000	47.50000	.05163
47.710	10.328	10.00000	5.00000	47.50000	.18425
47.530	20.790	20.00000	5.00000	49.00000	.43420
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101 (QNA04G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	10.000

RUN NO. 97/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.610	-.071	.00000	5.00000	47.50000	-.09204
47.710	5.122	5.00000	5.00000	48.50000	.04950
47.700	10.324	10.00000	5.00000	47.50000	.18425
47.650	15.535	15.00000	5.00000	47.50000	.28372
47.590	20.784	20.00000	5.00000	47.50000	.42739
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (QNA04H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	15.000

RUN NO. 98/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.610	-.072	.00000	5.00000	47.50000	-.06994
47.660	5.123	5.00000	5.00000	47.50000	.04058
47.620	10.325	10.00000	5.00000	49.50000	.17472
47.620	15.537	15.00000	5.00000	49.50000	.30201
47.590	20.783	20.00000	5.00000	47.50000	.48265
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (QNA04I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	48.000	RUDDER =	19.500

RUN NO. 99/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.690	-.073	.00000	5.00000	47.50000	-.09204
47.690	5.122	5.00000	5.00000	48.50000	.06032
47.750	10.321	10.00000	5.00000	47.50000	.18425
47.610	15.534	15.00000	5.00000	47.50000	.31687
47.600	20.780	20.00000	5.00000	47.50000	.43844
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (QNA04J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-22.500

RUN NO. 86/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.740	-.064	.00000	.00000	48.00000	-.06975
47.680	5.131	5.00000	.00000	48.00000	.07243
47.780	10.334	10.00000	.00000	48.00000	.21461
47.680	15.544	15.00000	.00000	47.00000	.33194
47.710	20.747	20.00000	.00000	48.00000	.44430
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (QNA04K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-15.000

RUN NO. 87/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.720	-.058	.00000	.00000	48.00000	-.04788
47.690	5.133	5.00000	.00000	48.00000	.08337
47.830	10.338	10.00000	.00000	48.00000	.19274
47.580	15.548	15.00000	.00000	48.00000	.31305
47.630	20.754	20.00000	.00000	48.00000	.47711
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (QNAC4L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	20.000	RUDDER =	3.000

RUN NO. 108/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.700	-.058	.00000	.00000	47.50000	-.05888
47.560	5.139	5.00000	.00000	47.50000	-.00363
47.530	10.342	10.00000	.00000	47.50000	.04058
47.540	15.549	15.00000	.00000	47.50000	-.01468
47.590	20.797	20.00000	.00000	47.50000	-.18045
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (QNA04M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	20.000	RUDDER =	3.000

RUN NO. 109/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.500	-.051	.00000	5.00000	47.50000	.04058
47.670	5.143	5.00000	5.00000	47.50000	.12899
47.630	10.340	10.00000	5.00000	47.50000	.22846
47.390	15.550	15.00000	5.00000	47.50000	.31687
47.870	20.795	20.00000	5.00000	47.50000	.35003
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (QNA04N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	36.500	RUDDER =	-5.500

RUN NO. 110/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.530	-.041	.00000	10.00000	47.50000	.04058
47.710	5.146	5.00000	10.00000	47.50000	.17320
47.580	10.344	10.00000	10.00000	47.00000	.28727
47.720	15.577	15.00000	10.00000	47.50000	.41634
47.750	20.818	20.00000	10.00000	47.50000	.52686
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (QNA040) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 111/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.460	-.059	.00000	.00000	46.50000	-.05904
47.410	5.135	5.00000	.00000	46.50000	-.01389
47.690	10.339	10.00000	.00000	47.50000	.06268
47.610	15.549	15.00000	.00000	47.50000	.09584
47.740	20.797	20.00000	.00000	49.50000	-.17533
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (QNA04P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 112/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.670	-.054	.00000	5.00000	49.50000	.02621
47.530	5.142	5.00000	5.00000	49.50000	.15350
47.610	10.342	10.00000	5.00000	46.50000	.23445
47.670	15.546	15.00000	5.00000	47.50000	.30582
47.620	20.797	20.00000	5.00000	47.00000	.37662
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (QNA04Q) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 113/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.710	-.041	.00000	10.00000	49.50000	.03682
47.530	5.145	5.00000	10.00000	49.50000	.18533
47.670	10.345	10.00000	10.00000	49.50000	.18533
47.560	15.574	15.00000	10.00000	49.50000	.39748
47.500	20.818	20.00000	10.00000	46.50000	.64082
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA04R) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 115/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.390	-.065	.00000	.00000	47.00000	-.08130
47.850	5.135	5.00000	.00000	48.00000	.06149
47.660	10.337	10.00000	.00000	50.00000	.19345
47.250	15.545	15.00000	.00000	47.00000	.30961
47.360	20.815	20.00000	.00000	47.00000	.49947
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA04S) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 114/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.190	-.061	.00000	.00000	47.00000	-.04779
47.530	5.135	5.00000	.00000	50.00000	.05692
47.510	10.334	10.00000	.00000	47.00000	.20909
47.530	15.546	15.00000	.00000	47.00000	.33194
47.480	20.816	20.00000	.00000	47.50000	.44949
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA04T) (16 MAR 82)

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	=	.3600							

PARAMETRIC DATA

BETA	=	.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	.000
SPDBRK	=	25.000	RUDDER	=	10.000

RUN NO. 116/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.580	-.062	.00000	.00000	50.00000	-.05850
47.680	5.131	5.00000	.00000	48.00000	.05056
47.500	10.332	10.00000	.00000	50.00000	.18295
47.710	15.543	15.00000	.00000	50.00000	.30897
47.370	20.815	20.00000	.00000	47.00000	.48830
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA04U) (16 MAR 82)

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	=	.3600							

PARAMETRIC DATA

BETA	=	.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	.000
SPDBRK	=	25.000	RUDDER	=	15.000

RUN NO. 117/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.680	-.065	.00000	.00000	48.00000	-.04788
48.020	5.131	5.00000	.00000	48.00000	.05056
47.660	10.329	10.00000	.00000	50.00000	.19345
47.470	15.544	15.00000	.00000	50.00000	.30897
47.650	20.806	20.00000	.00000	50.00000	.46650
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA04V) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 118/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.560	-.067	.00000	.00000	47.00000	-.05896
47.610	5.125	5.00000	.00000	50.00000	.06742
47.540	10.330	10.00000	.00000	50.00000	.20395
47.740	15.540	15.00000	.00000	48.00000	.32399
47.530	20.806	20.00000	.00000	50.00000	.41399
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA04W) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 119/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.790	-.054	.00000	5.00000	47.50000	-.06994
47.230	5.137	5.00000	5.00000	46.50000	.05384
47.200	10.342	10.00000	5.00000	46.50000	.17801
47.330	15.548	15.00000	5.00000	46.50000	.31347
47.770	20.799	20.00000	5.00000	47.50000	.43844
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA04X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 120/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.850	-.057	.00000	5.00000	47.50000	-.09204
47.610	5.138	5.00000	5.00000	47.50000	.05163
47.510	10.337	10.00000	5.00000	49.50000	.19593
47.350	15.547	15.00000	5.00000	46.50000	.31347
47.530	20.801	20.00000	5.00000	48.50000	.47167
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA04Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 121/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.500	-.059	.00000	5.00000	49.50000	-.07986
47.460	5.138	5.00000	5.00000	46.50000	.08770
47.440	10.331	10.00000	5.00000	46.50000	.19930
47.390	15.542	15.00000	5.00000	46.50000	.31347
47.640	20.796	20.00000	5.00000	47.50000	.48265
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (QNA04Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 122/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.240	-.059	.00000	5.00000	46.50000	-.07033
47.510	5.131	5.00000	5.00000	49.50000	.04743
47.360	10.331	10.00000	5.00000	46.50000	.17801
47.540	15.545	15.00000	5.00000	49.50000	.28079
47.560	20.799	20.00000	5.00000	47.50000	.48265
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (QNA05A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 123/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.490	-.069	.00000	5.00000	47.00000	-.09247
47.630	5.129	5.00000	5.00000	48.00000	.06149
47.560	10.328	10.00000	5.00000	48.00000	.17086
47.570	15.536	15.00000	5.00000	48.00000	.31305
47.670	20.792	20.00000	5.00000	47.00000	.46597
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA05B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 124/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.470	-.042	.00000	10.00000	48.00000	-.12444
47.540	5.146	5.00000	10.00000	47.00000	.01922
47.480	10.343	10.00000	10.00000	47.00000	.15324
47.480	15.573	15.00000	10.00000	48.00000	.26930
47.560	20.820	20.00000	10.00000	48.00000	.38961
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA05C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 125/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.480	-.044	.00000	10.00000	48.00000	-.12444
47.500	5.145	5.00000	10.00000	48.00000	.01774
47.380	10.345	10.00000	10.00000	47.00000	.16441
47.500	15.568	15.00000	10.00000	47.00000	.28727
47.380	20.824	20.00000	10.00000	47.00000	.41012
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA05D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 126/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.500	-.047	.00000	10.00000	47.00000	-.14831
47.460	5.143	5.00000	10.00000	48.00000	.01774
47.430	10.341	10.00000	10.00000	47.00000	.13091
47.520	15.569	15.00000	10.00000	47.00000	.29844
47.540	20.821	20.00000	10.00000	47.00000	.39895
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA05E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 127/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.540	-.046	.00000	10.00000	47.00000	-.12597
47.480	5.142	5.00000	10.00000	47.50000	.00743
47.470	10.340	10.00000	10.00000	47.00000	.14208
47.540	15.567	15.00000	10.00000	48.00000	.28024
47.630	20.816	20.00000	10.00000	48.00000	.38961
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA05F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 128/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.670	-.050	.00000	10.00000	47.00000	-.12597
47.620	5.140	5.00000	10.00000	47.00000	.00805
47.640	10.336	10.00000	10.00000	47.50000	.12899
47.690	15.561	15.00000	10.00000	47.00000	.23143
47.600	20.816	20.00000	10.00000	47.00000	.42129
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA05G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 129/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.710	-.096	.00000	.00000	47.50000	-.06994
47.550	5.092	5.00000	.00000	47.50000	.07374
47.900	10.298	10.00000	.00000	48.00000	.20368
47.460	15.507	15.00000	.00000	47.50000	.31687
47.690	20.773	20.00000	.00000	47.50000	.47160
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA05H) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 130/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.410	-.095	.00000	.00000	47.50000	-.06994
47.580	5.091	5.00000	.00000	47.50000	.07374
47.720	10.298	10.00000	.00000	48.00000	.19274
47.330	15.503	15.00000	00000	47.50000	.31687
47.700	20.773	20.00000	.00000	47.50000	.44949
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA05I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 131/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.640	-.095	.00000	.00000	48.50000	-.06958
47.560	5.091	5.00000	.00000	47.50000	.07374
47.370	10.296	10.00000	.00000	47.50000	.19530
47.640	15.503	15.00000	.00000	48.50000	.33095
47.580	20.768	20.00000	.00000	47.50000	.46054
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101(ADS OFF) (QNA05J) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 132/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.510	-.098	.00000	.00000	47.50000	-.05888
47.620	5.091	5.00000	.00000	47.50000	.05163
47.760	10.293	10.00000	.00000	47.50000	.18425
47.780	15.506	15.00000	.00000	48.50000	.30930
47.810	20.777	20.00000	.00000	48.50000	.47167
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101(ADS OFF) (QNA05K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 133/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.730	-.095	.00000	5.00000	48.00000	-.08069
47.660	5.099	5.00000	5.00000	47.50000	.04058
47.700	10.298	10.00000	5.00000	47.50000	.19530
47.620	15.505	15.00000	5.00000	47.50000	.32793
47.490	20.756	20.00000	5.00000	47.50000	.43844
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA05L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 134/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.590	-.091	.00000	5.00000	48.50000	-.10205
47.640	5.094	5.00000	5.00000	47.50000	.02953
47.660	10.298	10.00000	5.00000	47.50000	.19530
47.490	15.508	15.00000	5.00000	47.50000	.30582
47.850	20.751	20.00000	5.00000	48.50000	.46085
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA05M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 135/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.760	-.097	.00000	5.00000	48.00000	-.08069
47.690	5.094	5.00000	5.00000	47.50000	.05163
47.450	10.299	10.00000	5.00000	47.50000	.19530
47.500	15.507	15.00000	5.00000	47.50000	.31687
47.670	20.759	20.00000	5.00000	47.50000	.46054
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (QNA05N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 136/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.760	-.094	.00000	5.00000	47.50000	-.10309
47.380	5.095	5.00000	5.00000	47.50000	.05163
47.450	10.289	10.00000	5.00000	47.50000	.17320
47.670	15.503	15.00000	5.00000	47.50000	.31687
47.530	20.755	20.00000	5.00000	47.50000	.44949
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (QNA050) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 137/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.810	-.077	.00000	10.00000	48.50000	-.11288
47.530	5.108	5.00000	10.00000	48.00000	.01774
47.750	10.306	10.00000	10.00000	48.00000	.12712
47.630	15.529	15.00000	10.00000	48.00000	.28024
47.330	20.781	20.00000	10.00000	48.00000	.41148
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA05P) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 138/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.520	-.078	.00000	10.00000	48.50000	-.11288
47.860	5.110	5.00000	10.00000	48.50000	-.00463
47.790	10.307	10.00000	10.00000	48.50000	.15775
47.490	15.529	15.00000	10.00000	48.00000	.28024
47.890	20.777	20.00000	10.00000	49.00000	.38062
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA05Q) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 139/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.450	-.080	.00000	10.00000	49.00000	-.13370
47.430	5.109	5.00000	10.00000	49.50000	-.01622
47.410	10.307	10.00000	10.00000	48.00000	.17086
47.370	15.529	15.00000	10.00000	48.00000	.26930
47.210	20.780	20.00000	10.00000	48.00000	.41148
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA05R) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 140/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.560	-.078	.00000	10.00000	48.00000	-.12444
47.130	5.110	5.00000	10.00000	48.00000	-.00413
47.600	10.309	10.00000	10.00000	48.00000	.15993
47.540	15.526	15.00000	10.00000	48.00000	.26930
47.910	20.778	20.00000	10.00000	49.00000	.41277
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA05S) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000

RUN NO. 141/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	RUDDER	ALPHAU	BETA	QI	CP92	ALPHA
47.240	-22.907	10.00000	.00000	48.00000	.18180	10.32800
47.740	-15.162	10.00000	.00000	48.00000	.19274	10.33170
47.530	-10.072	10.00000	.00000	48.00000	.19274	10.33640
47.600	-5.054	10.00000	.00000	48.00000	.18180	10.33540
47.530	.043	10.00000	.00000	49.00000	.20918	10.33540
47.640	5.082	10.00000	.00000	48.00000	.21461	10.33550
47.570	10.140	10.00000	.00000	48.50000	.19022	10.33360
47.570	14.990	10.00000	.00000	48.00000	.20368	10.33310
47.430	22.915	10.00000	.00000	48.00000	.20368	10.32910
	GRADIENT	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (QNA05T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 142/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.510	5.150	5.00000	5.00000	.00000	**********
47.650	10.351	10.00000	5.00000	2.00000	6.22053
47.420	15.562	15.00000	5.00000	.00000	**********
47.540	20.210	20.00000	5.00000	2.00000	12.23010
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (QNA05U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 143/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.620	-.035	.00000	10.00000	2.00000	-1.09553
47.660	5.154	5.00000	10.00000	.00000	**********
47.870	10.354	10.00000	10.00000	.00000	**********
47.280	15.576	15.00000	10.00000	-1.00000	-16.24560
47.740	20.824	20.00000	10.00000	.00000	**********
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (QNA05V) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 144/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.650	-.044	.00000	10.00000	.00000**********	
47.530	5.147	5.00000	10.00000	.00000**********	
47.640	10.349	10.00000	10.00000	.00000**********	
47.920	15.574	15.00000	10.00000	.00000**********	
47.210	20.816	20.00000	10.00000	2.00000	11.18500
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR(ADS OFF) (QNA05W) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.000 RUDDER = .000

RUN NO. 145/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.450	-.089	.00000	.00000	47.00000	-.05896
47.710	5.097	5.00000	.00000	47.00000	-.03662
47.790	10.302	10.00000	.00000	47.00000	.09740
47.640	15.510	15.00000	.00000	50.00000	-.09011
47.680	20.754	20.00000	.00000	50.00000	-.18462
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (QNA05X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 146/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.630	-.087	.00000	5.00000	47.50000	.04058
47.570	5.102	5.00000	5.00000	50.00000	.13043
47.600	10.304	10.00000	5.00000	50.00000	.22495
47.600	15.506	15.00000	5.00000	47.00000	.32077
47.810	20.751	20.00000	5.00000	50.00000	.36148
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (QNA05Y) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 147/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.690	-.073	.00000	10.00000	48.00000	.06149
47.470	5.110	5.00000	10.00000	50.00000	.16194
47.620	10.303	10.00000	10.00000	48.00000	.20368
47.590	15.537	15.00000	10.00000	47.00000	.42129
47.460	20.779	20.00000	10.00000	50.00000	.48750
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP,ADS OFF) (QNA05Z) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 148/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.710	-.050	.00000	.00000	50.00000	-.05860
47.510	5.148	5.00000	.00000	50.00000	.01491
47.730	10.347	10.00000	.00000	48.00000	.07243
47.530	15.559	15.00000	.00000	47.50000	-.01458
47.600	20.802	20.00000	.00000	47.50000	-.20256
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP,ADS OFF) (QNA06A) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 149/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.470	-.047	.00000	5.00000	48.00000	.02858
47.600	5.147	5.00000	5.00000	48.00000	.11618
47.470	10.342	10.00000	5.00000	48.00000	.22555
47.480	15.552	15.00000	5.00000	48.00000	.28024
47.520	20.802	20.00000	5.00000	48.50000	.37425
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP,ADS OFF) (QNA06B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 150/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.500	-.037	.00000	10.00000	48.50000	.04950
47.210	5.149	5.00000	10.00000	47.50000	.17320
47.360	10.344	10.00000	10.00000	48.00000	.28024
47.620	15.575	15.00000	10.00000	48.50000	.38507
47.570	20.823	20.00000	10.00000	48.50000	.51497
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (QNA06C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 151/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.680	-.056	.00000	.00000	48.00000	-.09163
47.610	5.140	5.00000	.00000	48.50000	.06032
47.670	10.340	10.00000	.00000	48.50000	.16857
47.610	15.551	15.00000	.00000	48.00000	.31305
47.690	20.824	20.00000	.00000	48.00000	.44430
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (QNA05D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 152/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.560	-.057	.00000	.00000	48.50000	-.09123
47.720	5.140	5.00000	.00000	48.50000	.06032
47.480	10.340	10.00000	.00000	48.00000	.18180
47.580	15.556	15.00000	.00000	48.00000	.33492
47.660	20.824	20.00000	.00000	48.00000	.41148
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (QNA06E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 153/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.620	-.054	.00000	.00000	48.00000	-.09163
47.720	5.139	5.00000	.00000	48.00000	.03962
47.540	10.339	10.00000	.00000	48.00000	.18180
47.750	15.553	15.00000	.00000	48.00000	.31305
47.610	20.822	20.00000	.00000	48.00000	.45523
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (QNA06F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	15.000

RUN NO. 154/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.520	-.056	.00000	.00000	48.00000	-.05892
47.620	5.138	5.00000	.00000	48.00000	.07243
47.750	10.338	10.00000	.00000	48.50000	.17940
47.570	15.550	15.00000	.00000	48.00000	.35680
47.610	20.822	20.00000	.00000	48.00000	.41148
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (QNA06G) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	20.500

RUN NO. 155/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.510	-.061	.00000	.00000	48.00000	-.09163
47.600	5.135	5.00000	.00000	48.00000	.15993
47.580	10.335	10.00000	.00000	48.00000	.17086
47.680	15.550	15.00000	.00000	48.00000	.31305
47.440	20.819	20.00000	.00000	47.50000	.41634
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (QNA06H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 156/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.640	-.047	.00000	5.00000	48.00000	-.08069
47.700	5.147	5.00000	5.00000	48.00000	.06149
47.530	10.343	10.00000	5.00000	48.00000	.17086
47.460	15.556	15.00000	5.00000	48.00000	.29117
47.670	20.810	20.00000	5.00000	48.00000	.43336
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (QNA06I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 157/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.530	-.050	.00000	5.00000	48.00000	-.11350
47.550	5.145	.00000	5.00000	48.00000	.05056
47.470	10.342	10.00000	5.00000	48.00000	.15993
47.480	15.554	15.00000	5.00000	48.00000	.29117
47.650	20.806	20.00000	5.00000	48.00000	.45523
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (QNA06J) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 158/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.460	-.051	.00000	5.00000	47.50000	-.09204
47.530	5.145	5.00000	5.00000	47.50000	.05163
47.310	10.341	10.00000	5.00000	47.50000	.18425
47.450	15.583	15.00000	5.00000	48.00000	.33492
47.870	20.783	20.00000	5.00000	48.00000	.40055
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (QNA06K) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	15.000

RUN NO. 159/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.480	-.055	.00000	5.00000	48.00000	-.09163
47.690	5.140	5.00000	5.00000	48.00000	.05056
47.600	10.336	10.00000	5.00000	47.50000	.16215
47.680	15.549	15.00000	5.00000	48.00000	.30211
47.830	20.785	20.00000	5.00000	48.50000	.39590
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (QNA06L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	20.500

RUN NO. 160/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.360	-.050	.00000	5.00000	48.00000	-.11350
47.530	5.141	5.00000	5.00000	48.00000	.01774
47.680	10.336	10.00000	5.00000	48.00000	.18180
47.630	15.547	15.00000	5.00000	48.00000	.29117
47.440	20.800	20.00000	5.00000	48.00000	.43336
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (QNA06M) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.0800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 161/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.610	-.038	.00000	10.00000	47.50000	-.12520
47.540	5.151	5.00000	10.00000	47.50000	.00743
47.550	10.352	10.00000	10.00000	47.50000	.12899
47.970	15.573	15.00000	10.00000	48.00000	.19274
47.730	20.823	20.00000	10.00000	48.00000	.37867
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA06N) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 162/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.570	-.037	.00000	10.00000	47.50000	-.11414
47.700	5.151	5.00000	10.00000	48.00000	-.01507
47.440	10.349	10.00000	10.00000	47.50000	.14005
47.630	15.572	15.00000	10.00000	48.00000	.19274
47.520	20.823	20.00000	10.00000	48.00000	.40055
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA060) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 163/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.640	5.150	5.00000	10.00000	48.00000	-.00413
47.480	10.348	10.00000	10.00000	48.00000	.12712
47.500	15.575	15.00000	10.00000	47.50000	.23951
47.740	20.820	20.00000	10.00000	48.00000	.42242
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA06P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	15.000

RUN NO. 164/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.630	-.040	.00000	10.00000	48.00000	-.12444
47.450	5.148	5.00000	10.00000	47.50000	.01848
47.590	10.346	10.00000	10.00000	47.50000	.14005
47.510	15.565	15.00000	10.00000	48.00000	.28024
47.820	20.818	20.00000	10.00000	48.00000	.40055
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA06Q) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	20.500

RUN NO. 165/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.640	-.043	.00000	10.00000	48.00000	-.12444
47.600	5.147	5.00000	10.00000	48.00000	.00681
47.570	10.342	10.00000	10.00000	47.50000	.10689
47.760	15.561	15.00000	10.00000	48.00000	.23649
47.670	20.817	20.00000	10.00000	48.00000	.42242
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA06R) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6000 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 167/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.470	-5.243	-5.00000	.00000	47.00000	-.15948
47.570	-2.651	-2.50000	.00000	47.50000	-.12520
47.600	-.058	.00000	.00000	47.50000	-.09204
47.550	2.540	2.50000	.00000	47.50000	-.02573
47.580	5.139	5.00000	.00000	47.50000	.06268
47.810	7.739	7.50000	.00000	47.50000	.12899
47.630	10.342	10.00000	.00000	47.00000	.19792
47.520	11.379	11.00000	.00000	47.50000	.21741
47.690	12.421	12.00000	.00000	47.50000	.26162
47.670	13.462	13.00000	.00000	47.50000	.28372
47.600	14.505	14.00000	.00000	47.00000	.30961
47.680	15.549	15.00000	.00000	47.00000	.32077
47.520	16.601	16.00000	.00000	47.50000	.36108
47.620	17.651	17.00000	.00000	47.50000	.38318
47.520	18.708	18.00000	.00000	47.50000	.43844
47.490	19.768	19.00000	.00000	47.50000	.43844
47.660	20.817	20.00000	.00000	47.50000	.46054
	GRADIENT	.96321	.00000	.00000	.01916

ARC40X80-462(OA100) OV101(ADS OFF) (QNA06S) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 47/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
94.360	-5.233	-5.00000	-5.00000	98.00000	-.31833
94.320	-2.640	-2.50000	-5.00000	98.00000	-.29674
94.430	-.047	.00000	-5.00000	98.50000	-.31163
94.430	2.550	2.50000	-5.00000	98.00000	-.31833
94.430	5.148	5.00000	-5.00000	98.00000	-.29674
94.320	7.747	7.50000	-5.00000	98.00000	-.28055
94.550	10.348	10.00000	-5.00000	98.00000	-.30754
94.320	11.396	11.00000	-5.00000	98.00000	-.31833
94.410	12.437	12.00000	-5.00000	97.50000	-.28714
94.660	13.479	13.00000	-5.00000	98.50000	-.30626
94.570	14.522	14.00000	-5.00000	98.00000	-.29135
94.550	15.570	15.00000	-5.00000	98.50000	-.30089
94.360	16.617	16.00000	-5.00000	98.00000	-.30214
94.270	17.676	17.00000	-5.00000	98.00000	-.31833
94.500	18.727	18.00000	-5.00000	98.50000	-.31700
94.570	19.777	19.00000	-5.00000	98.50000	-.33311
94.590	20.820	20.00000	-5.00000	98.50000	-.34385
94.340	21.861	21.00000	-5.00000	98.50000	-.39219
	GRADIENT	.96341	-.00000	-.00007	-.00416

ARC40X80-462(OA100) OV101(ADS OFF) (QNA06T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 168/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.490	-5.236	-5.00000	2.00000	47.00000	-.15948
47.640	-2.648	-2.50000	2.00000	47.00000	-.12597
47.650	-.056	.00000	2.00000	47.00000	-.05896
47.620	2.539	2.50000	2.00000	47.00000	.03039
47.610	5.139	.00000	2.00000	47.00000	.08623
47.580	7.739	7.50000	2.00000	47.00000	.13091
47.630	10.339	10.00000	2.00000	47.00000	.19792
47.580	11.382	11.00000	2.00000	47.00000	.23143
47.620	12.421	12.00000	2.00000	47.00000	.27610
47.510	13.462	13.00000	2.00000	46.00000	.29458
47.530	14.508	14.00000	2.00000	47.00000	.30961
47.560	15.551	15.00000	2.00000	47.00000	.35428
47.730	16.598	16.00000	2.00000	47.00000	.38779
47.530	17.653	17.00000	2.00000	47.00000	.41012
47.600	18.709	18.00000	2.00000	47.00000	.43246
47.740	19.762	19.00000	2.00000	47.00000	.47713
47.450	20.817	20.00000	2.00000	47.00000	.46597
	GRADIENT	.96391	.00000	-.00000	.03014

ARC40X80-462(OA100) OV101(ADS OFF) (QNA06U) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 169/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.530	-5.219	-5.00000	10.00000	47.00000	-.24883
47.640	-2.630	-2.50000	10.00000	47.00000	-.17065
47.640	-.041	.00000	10.00000	47.00000	-.12597
47.710	2.553	2.50000	10.00000	47.00000	-.04779
47.620	5.146	5.00000	10.00000	47.00000	.03039
47.620	7.650	7.50000	10.00000	47.00000	.03039
47.620	10.348	10.00000	10.00000	47.00000	.14208
47.740	11.389	11.00000	10.00000	47.00000	.18675
47.600	12.433	12.00000	10.00000	47.00000	.19792
47.480	13.480	13.00000	10.00000	47.00000	.23143
47.500	14.523	14.00000	10.00000	47.00000	.26493
47.620	15.575	15.00000	10.00000	47.00000	.22026
47.600	16.625	16.00000	10.00000	47.00000	.41012
47.500	17.671	17.00000	10.00000	47.00000	.35428
47.550	18.721	18.00000	10.00000	47.00000	.37662
47.530	19.768	19.00000	10.00000	47.00000	.39895
47.670	20.819	20.00000	10.00000	47.00000	.41012
	GRADIENT	.56462	-.00000	.00000	.02370

ARC40X80-462(OA100) OV101(ADS OFF) (QNA06V) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 166/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.850	-.063	.00000	10.00000	48.00000	-.14631
47.460	5.129	5.00000	10.00000	47.50000	.00743
47.510	10.327	10.00000	10.00000	47.50000	.15110
47.600	15.553	15.00000	10.00000	48.00000	.28024
47.540	20.804	20.00000	10.00000	49.00000	.40055
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (QNA06W) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 170/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.520	-5.246	-5.00000	.00000	48.00000	-.19006
47.570	-2.655	-2.50000	.00000	48.00000	-.13538
47.500	-.063	.00000	.00000	48.00000	-.05975
47.460	2.538	2.50000	.00000	48.00000	.01774
47.470	5.135	5.00000	.00000	48.00000	.07243
47.370	7.735	7.50000	.00000	48.00000	.13805
47.510	10.335	10.00000	.00000	48.00000	.20368
47.670	12.934	12.50000	.00000	48.00000	.25836
47.560	15.548	15.00000	.00000	48.00000	.36773
47.370	18.171	17.50000	.00000	47.00000	.37662
47.610	20.811	20.00000	.00000	48.00000	.44430
47.440	25.992	25.00000	.00000	48.00000	.60835
	GRADIENT	.96289	.00000	-.00000	.02949

ARC40X80-462(OA100) OV101(ADS OFF) (QNA06X) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 171/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	QI	CP92
47.650	-13.000	10.00000	10.34100	48.00000	.17086
47.520	-10.000	10.00000	10.33820	48.00000	.13805
47.410	-2.000	1.00000	10.33620	48.00000	.19274
47.410	.000	1.00000	10.33440	48.00000	.19274
47.600	5.000	-1.00000	10.34450	48.00000	.15993
47.380	10.000	1.00000	10.35610	48.00000	.14899
47.390	15.000	1.00000	10.36440	48.00000	.08337
47.200	20.000	1.00000	10.34170	47.00000	-.02545
	GRADIENT	-.30769	.00135	.00000	-.00505

ARC40X80-462(OA100) OV101+TUFTS (ADS OFF) (QNA06Y) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.8300 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 172/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
9.590	-.074	.00000	.00000	9.50000	-.21439
9.630	5.120	5.00000	.00000	9.00000	-.22363
9.660	10.325	10.00000	.00000	9.50000	-.15934
9.630	15.532	15.00000	.00000	9.50000	-.15934
9.490	20.764	20.00000	.00000	8.50000	-.17243
	GRADIENT	.00000	.00000	.00000	.00000

RUN NO. 173/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
19.020	-.074	.00000	.00000	18.50000	-.21744
19.040	5.117	5.00000	.00000	18.50000	-.18914
19.090	10.324	10.00000	.00000	19.00000	-.13031
19.080	15.531	15.00000	.00000	18.50000	-.16085
19.090	20.782	20.00000	.00000	19.00000	-.15786
	GRADIENT	.00000	.00000	.00000	.00000

RUN NO. 174/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
47.410	-5.253	-5.00000	.00000	48.00000	-.23381
47.630	-2.664	-2.50000	.00000	48.00000	-.22287
47.490	-.074	.00000	.00000	48.00000	-.20100
47.330	2.522	2.50000	.00000	47.50000	-.19150
47.640	5.119	5.00000	.00000	48.00000	-.16919
47.460	7.720	7.50000	.00000	48.00000	-.14631
47.680	10.323	10.00000	.00000	48.00000	-.15725
47.580	12.322	12.50000	.00000	48.00000	-.14631
47.590	15.533	15.00000	.00000	48.50000	-.14535
47.610	18.150	17.50000	.00000	48.00000	-.14631
47.580	20.791	20.00000	.00000	48.00000	-.17912
47.190	25.987	25.00000	.00000	48.00000	-.22287
	GRADIENT	.96415	.00000	-.09645	.00605

ARC40X80-462(0A100) OV101+TUFTS (ADS OFF) (QNA06Z) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000

RUN NO. 175/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
47.750	-5.249	-5.00000	5.00000	48.00000	-.24475
47.650	-2.669	-2.50000	5.00000	47.50000	-.24676
47.580	-.070	.00000	5.00000	47.50000	-.23571
47.400	2.526	2.50000	5.00000	47.50000	-.20255
47.470	5.122	5.00000	5.00000	47.50000	-.19150
47.640	7.725	7.50000	5.00000	48.00000	-.17912
47.450	10.325	10.00000	5.00000	48.00000	-.19005
47.530	12.928	12.50000	5.00000	47.50000	-.16940
47.630	15.537	15.00000	5.00000	48.00000	-.17912
47.490	18.155	17.50000	5.00000	48.00000	-.17912
47.590	20.788	20.00000	5.00000	48.00000	-.21194
47.360	25.983	25.00000	5.00000	47.50000	-.24676
	GRADIENT	.96402	.00000	.00000	.00852

ARC40X80-462(0A100) OV101 (QNA07A) (16 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 176/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
94.180	-.048	.00000	5.00000	97.50000	-.06835
94.280	5.145	5.00000	5.00000	97.50000	.03654
94.750	10.344	10.00000	5.00000	98.50000	.19417
94.370	15.559	15.00000	5.00000	98.00000	.31701
94.330	20.825	20.00000	5.00000	98.75000	.44292
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (QNA07B) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 177/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
94.560	-5.240	-5.00000	.00000	98.75000	-.19794
94.350	-2.649	-2.50000	.00000	98.50000	-.13915
94.170	-.056	.00000	.00000	98.00000	-.08281
94.450	2.541	2.50000	.00000	99.00000	.00094
94.510	5.138	5.00000	.00000	98.50000	.05977
94.320	7.738	7.50000	.00000	98.50000	.12697
94.710	10.348	10.00000	.00000	98.50000	.19955
94.310	12.946	12.50000	.00000	99.00000	.25177
94.310	15.557	15.00000	.00000	98.00000	.32511
94.550	18.382	17.50000	.00000	98.50000	.39578
	GRADIENT	.96334	.00000	-.09531	.02699

ARC40X80-462(OA100) OV101 (QNA07C) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 178/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
94.190	-5.234	-5.00000	-5.00000	97.50000	-.21867
94.480	-2.643	-2.50000	-5.00000	98.50000	-.16603
94.510	-.049	.00000	-5.00000	98.25000	-.10161
94.470	2.548	2.50000	-5.00000	98.50000	-.02087
94.270	5.145	5.00000	-5.00000	99.00000	.04848
94.160	7.746	7.50000	-5.00000	97.50000	.09899
94.150	10.349	10.00000	-5.00000	97.50000	.17772
94.370	12.957	12.50000	-5.00000	99.00000	.25488
94.300	15.565	15.00000	-5.00000	97.50000	.30804
94.200	18.196	17.50000	-5.00000	97.50000	.37863
94.170	20.818	20.00000	-5.00000	99.00000	.44970
	GRADIENT	.96328	-.00000	.00003	.02797

ARC40X80-462(OA100) OV101 (QNA07D) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 179/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
94.250	-5.223	-5.00000	-10.00000	96.50000	-.24220
94.150	-2.632	-2.50000	-10.00000	96.00000	-.20178
94.300	-.039	.00000	-10.00000	96.25000	-.12719
94.240	2.556	2.50000	-10.00000	96.25000	-.06945
94.350	5.153	5.00000	-10.00000	95.75000	-.00318
94.130	7.751	7.50000	-10.00000	96.25000	.06802
94.300	10.357	10.00000	-10.00000	96.50000	.11980
94.440	12.965	12.50000	-10.00000	96.50000	.19658
94.390	15.590	15.00000	-10.00000	96.50000	.23498
94.270	18.201	17.50000	-10.00000	96.00000	.33020
94.070	20.817	20.00000	-10.00000	96.00000	.37981
	GRADIENT	.95376	-.00000	.04919	.02551

ARC40X80-462(OA100) OV101+NOSE GEAR (QNA07E) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 180/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
94.090	-.048	.00000	5.00000	96.75000	.03454
94.500	10.345	10.00000	5.00000	97.25000	.23820
94.420	15.558	15.00000	5.00000	97.25000	.29263
94.220	20.813	20.00000	5.00000	97.00000	.37265
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (QNA07F) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 181/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
94.260	-5.240	-5.00000	.00000	98.75000	-.13288
94.380	-2.648	-2.50000	.00000	95.00000	-.09463
94.370	-.055	.00000	.00000	97.25000	-.05031
93.980	2.533	2.50000	.00000	96.50000	-.03926
94.500	5.139	5.00000	.00000	97.25000	-.02854
94.490	7.739	7.50000	.00000	97.00000	.03976
94.370	10.347	10.00000	.00000	96.75000	.03454
94.240	12.946	12.50000	.00000	96.50000	-.07217
94.570	15.556	15.00000	.00000	95.00000	-.07792
94.140	20.804	20.00000	.00000	96.75000	-.38947
	GRADIENT	.96389	.00000	.28910	.01067

ARC40X80-462(OA100) OV101+NOSE GEAR (QNA07G) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 182/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
94.590	-.048	.00000	-5.00000	97.25000	-.37693
94.180	5.147	5.00000	-5.00000	97.00000	-.65969
94.460	10.351	10.00000	-5.00000	97.00000	-.83341
94.200	15.563	15.00000	-5.00000	96.75000	-1.27851
94.470	20.815	20.00000	-5.00000	97.00000	-1.31637
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (QNA07H) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 183/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
94.280	-.035	.00000	-10.00000	96.50000	-1.43517
94.380	5.152	5.00000	-10.00000	97.00000	-1.42825
94.250	10.356	10.00000	-10.00000	96.50000	-1.42968
94.220	15.581	15.00000	-10.00000	96.50000	-1.43517
94.530	20.834	20.00000	-10.00000	96.75000	-1.43170
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA07I) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 184/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	QI	CP92
94.150	-.052	.00000	5.00000	95.50000	-.10554
94.290	5.140	5.00000	5.00000	96.25000	.04052
94.410	10.342	10.00000	5.00000	96.25000	.17524
94.530	15.550	15.00000	5.00000	96.25000	.31546
94.310	20.818	20.00000	5.00000	95.75000	.46936
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA07J) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 185/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
94.060	-5.240	-5.00000	.00000	95.50000	-.18865
94.520	-2.649	-2.50000	.00000	96.25000	-.14919
94.500	-.060	.00000	.00000	95.75000	-.06394
93.980	2.537	2.50000	.00000	96.00000	-.02813
94.070	5.133	5.00000	.00000	95.00000	.05017
93.670	7.736	7.50000	.00000	95.50000	.12441
94.470	10.340	10.00000	.00000	96.50000	.16368
94.200	12.941	12.50000	.00000	96.00000	.26405
95.730	15.555	15.00000	.00000	97.50000	.33790
94.370	18.182	17.50000	.00000	96.50000	.39404
	GRADIENT	.96417	.00000	-.04834	.02334

ARC40X80-462(OA100) OV101(FTP OFF) (QNA07K) (16 MAR 82)

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 = .3600

PARAMETRIC DATA

BETA = -5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 186/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
94.190	-.053	.00000	-5.00000	96.00000	-.09428
93.830	5.144	5.00000	-5.00000	95.50000	.04407
93.970	10.346	10.00000	-5.00000	95.50000	.17428
94.430	15.562	15.00000	-5.00000	96.50000	.29806
94.150	20.819	20.00000	-5.00000	96.00000	.41840
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA07L) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 187/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
94.450	-.040	.00000	-10.00000	96.25000	-.13544
94.330	5.151	5.00000	-10.00000	96.50000	.01010
94.270	10.353	10.00000	-10.00000	96.00000	.13174
94.200	20.827	20.00000	-10.00000	95.75000	.38646
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA07M) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 188/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	ALPHAU	BETA	Q1	CP92
94.160	-.073	.00000	.00000	96.00000	-.07223
94.210	5.117	5.00000	.00000	95.75000	.04656
94.200	10.325	10.00000	.00000	96.00000	.20616
94.330	15.539	15.00000	.00000	96.25000	.35120
	GRADIENT	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (QNA07N) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6900 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	22.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 189/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP92
47.640	-10.000	10.00000	10.55350	48.25000	.14175
47.530	-5.000	10.00000	10.53930	48.25000	.17970
47.240	-2.000	10.00000	10.53680	47.75000	.17118
47.530	.000	10.00000	10.53570	48.25000	.16344
47.480	2.000	10.00000	10.53580	48.25000	.20139
47.380	5.000	10.00000	10.53490	47.75000	.18762
47.450	10.000	10.00000	10.54590	49.25000	.11122
47.380	20.000	10.00000	10.53400	48.00000	-.03162
	GRADIENT	.00000	-.00041	-.02586	.00172

ARC40X80-462(OA100) OV101(FTP OFF) (QNA070) (16 MAR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6900 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 190/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP92
47.640	-10.000	10.00000	10.48410	48.25000	.13091
47.550	-5.000	10.00000	10.47300	48.25000	.15801
47.650	-2.000	10.00000	10.46590	48.25000	.19596
47.360	.000	10.00000	10.46350	47.75000	.17666
47.420	2.000	10.00000	10.46720	48.00000	.19726
47.500	5.000	10.00000	10.47040	48.00000	.18091
47.490	15.000	10.00000	10.48130	48.25000	.06042
47.330	20.000	10.00000	10.46300	48.00000	-.03707
	GRADIENT	.00000	-.00018	-.03017	.00202

ARC40X80-462(0A100) 0V101 (QNA07P) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 85/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP92
47.990	-13.000	10.00000	10.36050	48.50000	.07115
47.900	-10.000	10.00000	10.35670	48.00000	.10524
47.590	-5.000	10.00000	10.35060	48.00000	.15993
47.840	-2.000	10.00000	10.34730	48.00000	.18180
47.790	.000	10.00000	10.34500	48.00000	.19274
47.800	2.000	10.00000	10.34700	48.00000	.17085
47.750	5.000	10.00000	10.34830	48.00000	.19274
47.630	10.000	10.00000	10.35780	48.00000	.13805
47.530	15.000	10.00000	10.35930	48.00000	.05056
	GRADIENT	.00000	-.00016	.00000	.00245

ARC40X80-462(0A100) 0V101 (QNA07Q) (16 MAR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 100/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHAU	ALPHA	Q1	CP92
47.610	-13.000	10.00000	10.34010	47.50000	.08479
47.820	-10.000	10.00000	10.33610	48.50000	.11445
47.670	-5.000	10.00000	10.32700	47.50000	.17320
47.670	-2.000	10.00000	10.32420	47.50000	.19530
47.600	.000	10.00000	10.32430	47.50000	.19530
47.560	2.000	10.00000	10.32280	49.00000	.18775
47.750	5.000	10.00000	10.32720	47.50000	.20636
47.670	10.000	10.00000	10.33270	49.00000	.13418
47.610	15.000	10.00000	15.34150	49.00000	.09132
47.680	20.000	10.00000	15.33100	47.50000	-.02573
	GRADIENT	.00000	-.00003	.05172	.00260

ARC40X80-462(OA100) OV101 (RNA01A) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 4/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
19.120	-5.245	.00000	-.31270	.09130	.06040	.00410	-.00110	.00060
19.020	-2.655	.00000	-.19940	.07970	.05750	.00350	-.00090	.00030
19.080	-.066	.00000	-.08780	.07200	.05310	.00310	-.00080	.00020
19.180	2.532	.00000	.03490	.06870	.05220	.00130	-.00080	-.00020
19.180	5.128	.00000	.15600	.07030	.04850	.00220	-.00050	-.00090
19.170	7.734	.00000	.28980	.07800	.04550	-.00230	-.00060	.00080
19.110	10.337	.00000	.41270	.09520	.04250	-.00170	-.00070	.00090
18.960	12.937	.00000	.54470	.12310	.04170	-.00090	-.00120	.00060
18.920	15.552	.00000	.68990	.17020	.03590	.00100	-.00070	-.00060
19.050	20.801	.00000	1.00210	.33450	-.00230	-.00140	-.00180	-.00040
18.940	26.000	.00000	1.25330	.58400	-.00610	-.00410	-.00090	-.00010
	GRADIENT	.00000	.04518	-.00212	-.00102	-.00042	.00002	-.00019

RUN NO. 5/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
52.070	-5.245	.00000	-.31290	.09180	.05670	.00160	-.00150	-.00050
52.240	-2.653	.00000	-.19690	.07970	.05410	.00210	-.00150	-.00030
52.220	-.062	.00000	-.08270	.07190	.05270	.00230	-.00100	-.00010
52.220	2.535	.00000	.03860	.06810	.05100	.00150	-.00110	-.00050
52.260	5.135	.00000	.16430	.06930	.04730	.00160	-.00120	-.00140
52.330	7.735	.00000	.29050	.07770	.04260	-.00010	-.00080	-.00060
52.190	10.341	.00000	.42380	.09450	.04160	-.00120	-.00080	-.00020
52.250	12.939	.00000	.54780	.12310	.04160	-.00050	-.00050	-.00040
52.080	15.553	.00000	.68990	.16940	.03400	-.00080	-.00050	-.00070
52.310	20.819	.00000	1.02550	.35870	-.00530	.00250	-.00120	-.00320
49.060	26.008	.00000	1.26260	.59350	-.00340	-.00180	-.00040	.00070
	GRADIENT	.00000	.04540	-.00224	-.00060	-.00012	.00008	-.00004

ARC40X80-462(0A100) OV101 (RNA01A) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 7/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.180	-5.245	.00000	-.31290	.09170	.05980	.00060	-.00150	-.00130
94.780	-2.654	.00000	-.19820	.07930	.05660	.00200	-.00130	-.00080
95.030	-.061	.00000	-.08120	.07080	.05590	.00220	-.00110	-.00090
94.450	2.539	.00000	.04430	.06750	.05170	.00070	-.00100	-.00140
94.520	5.136	.00000	.16550	.06880	.04920	.00050	-.00130	-.00190
94.340	7.737	.00000	.29370	.07690	.04560	.00000	-.00120	-.00150
94.570	10.345	.00000	.42870	.09550	.04310	-.00250	-.00110	-.00070
94.610	12.943	.00000	.55270	.12380	.04370	-.00010	-.00110	-.00030
95.400	15.559	.00000	.69240	.17160	.03610	-.00060	-.00130	-.00050
92.940	18.182	.00000	.85350	.24230	.02520	.00140	-.00120	-.00030
	GRADIENT	.00000	.04670	-.00227	-.00094	-.00025	.00006	-.00012

ARC40X80-462(0A100) OV101(DECREASING ALPHA) (RNA01B) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 6/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
52.300	-5.243	.00000	-.31130	.09180	.05730	.00270	-.00170	.00010
51.950	-2.652	.00000	-.19650	.07960	.05290	.00140	-.00120	.00000
51.990	-.064	.00000	-.08490	.07170	.05160	.00070	-.00050	-.00010
51.990	2.533	.00000	.03660	.06840	.05030	.00160	-.00100	-.00030
52.180	5.136	.00000	.18560	.06990	.04450	-.00020	-.00080	-.00020
51.950	7.735	.00000	.29100	.07730	.04110	.00010	-.00110	-.00030
52.360	10.339	.00000	.42200	.09510	.03640	-.00130	-.00080	.00040
52.100	12.938	.00000	.54590	.12240	.04130	-.00210	-.00070	.00040
52.080	15.553	.00000	.69080	.16940	.03350	-.00270	-.00060	-.00020
52.200	20.822	.00000	1.02920	.35960	-.00380	.00220	-.00100	-.00100
	GRADIENT	.00000	.04495	-.00216	-.00050	.00004	.00004	-.00006

ARC40X80-462(OA100) OV101 (RNA01C) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BOFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 2/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
18.990	-5.093	.00000	-.12160	.08800	-.03230	.00420	-.00080	.00000
18.990	-2.501	.00000	-.00650	.08340	-.03290	.00390	-.00120	-.00010
19.140	.091	.00000	.11000	.08200	-.03740	.00370	-.00060	.00030
19.090	2.687	.00000	.23060	.08680	-.03960	.00230	-.00080	-.00090
19.080	5.289	.00000	.35750	.09550	-.04210	.00210	-.00080	-.00160
19.050	7.889	.00000	.48550	.11120	-.04670	.00080	-.00080	-.00050
19.090	10.489	.00000	.61020	.13700	-.05100	.00080	-.00040	-.00080
19.020	13.095	.00000	.74290	.17550	-.05340	.00130	-.00030	-.00090
18.970	15.701	.00000	.87650	.23060	-.06670	.00100	-.00040	-.00110
19.040	20.963	.00000	1.20700	.43080	-.10490	-.00230	-.00070	-.00220
18.900	26.117	.00000	1.39950	.67690	-.09170	-.00550	-.00130	.00260
	GRADIENT	.00000	.04570	.00066	-.00129	-.00029	.00008	-.00015

RUN NO. 8/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.540	-5.091	.00000	-.12010	.08790	-.03400	.00110	-.00180	-.00040
47.620	-2.500	.00000	-.00510	.08280	-.03520	.00210	-.00150	-.00140
47.640	.091	.00000	.10920	.08190	-.03640	.00060	-.00100	-.00130
47.600	2.698	.00000	.23150	.08640	-.03920	.00180	-.00130	-.00120
47.620	5.284	.00000	.35280	.09550	-.04500	.00010	-.00110	-.00130
47.580	7.890	.00000	.48570	.11060	-.04800	-.00100	-.00090	-.00110
47.470	10.489	.00000	.61080	.13610	-.04780	-.00110	-.00080	-.00080
47.430	13.093	.00000	.74090	.17500	-.05190	.00110	-.00070	-.00120
47.540	15.704	.00000	.88100	.23130	-.05860	.00530	-.00090	-.00260
47.490	20.973	.00000	1.21960	.45430	-.10500	.00540	-.00200	-.00350
45.130	26.111	.00000	1.39300	.68090	-.07870	-.00540	-.00270	.00100
	GRADIENT	.00000	.04561	.00069	-.00077	-.00006	.00004	.00004

ARC40X80-462(CA100) CV101 (RNA01C) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 14/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.550	-5.093	.00000	-.12210	.08780	-.03280	.00090	-.00130	-.00070
94.050	-2.501	.00000	-.00670	.08290	-.03490	.00050	-.00090	-.00170
94.680	.090	.00000	.10820	.08130	-.03710	.00090	-.00130	-.00200
94.710	2.690	.00000	.23340	.08600	-.04050	.00210	-.00150	-.00200
94.230	5.291	.00000	.36130	.09500	-.04420	.00110	-.00130	-.00270
94.260	7.891	.00000	.48700	.11120	-.04790	.00170	-.00140	-.00160
94.350	10.495	.00000	.61750	.13740	-.04920	.00040	-.00090	-.00150
94.610	13.098	.00000	.74530	.17090	-.05410	.00030	-.00080	-.00080
93.190	15.690	.00000	.86280	.22290	-.06130	.00240	-.00110	-.00170
94.180	18.341	.00000	1.05260	.32140	-.07700	.00040	-.00180	-.00020
92.530	20.984	.00000	1.23320	.46900	-.10460	.00670	-.00290	-.00400
	GRADIENT	.00000	.04626	.00060	-.00108	.00031	-.00012	-.00005

ARC40X80-462(CA100) CV101 (RNA01D) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 3/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
18.910	-5.410	.00000	-.52030	.11530	.15110	.00490	-.00170	-.00070
19.080	-2.818	.00000	-.40450	.09530	.15150	.00650	-.00190	-.00140
19.140	-.221	.00000	-.28310	.07900	.14590	.00620	-.00180	-.00110
19.110	2.371	.00000	-.16740	.05840	.14450	.00270	-.00120	-.00080
19.110	4.965	.00000	-.04850	.06230	.14130	.00120	-.00110	-.00090
19.180	7.564	.00000	.07510	.06170	.14030	.00070	-.00080	-.00080
19.120	10.174	.00000	.21390	.07060	.13980	-.00060	-.00110	-.00070
19.060	12.770	.00000	.33430	.09010	.13890	.00110	-.00120	-.00100
18.880	15.379	.00000	.47180	.12440	.13320	-.00110	-.00130	-.00050
18.900	20.638	.00000	.79770	.26790	.09600	.00260	-.00070	-.00180
18.990	25.855	.00000	1.07040	.49300	.08540	-.00250	-.00010	-.00380
	GRADIENT	.00000	.04563	-.00423	-.00123	-.00075	.00012	.00007

ARC40X80-462(OA100) OVI01 (RNA01D) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 9/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.480	-5.409	.00000	-.51930	.11510	.15180	.00150	-.00220	-.00120
47.600	-2.819	.00000	-.40510	.09500	.14840	.00280	-.00250	-.00080
47.420	-.225	.00000	-.28770	.07930	.14600	.00270	-.00170	-.00230
47.530	2.371	.00000	-.16710	.06790	.14270	-.00010	-.00120	-.00110
47.300	4.967	.00000	-.04670	.06170	.14050	.00090	-.00080	-.00190
47.530	7.568	.00000	.08100	.06170	.13780	-.00060	-.00080	-.00180
47.500	10.176	.00000	.21610	.07010	.13720	-.00090	-.00130	-.00190
47.570	12.771	.00000	.33650	.09010	.13630	-.00060	-.00090	-.00170
47.460	15.385	.00000	.47890	.12610	.13970	.00170	-.00120	-.00180
47.490	20.650	.00000	.81240	.27890	.09850	.00130	-.00100	-.00220
47.810	25.857	.00000	1.07360	.49910	.09040	.00060	-.00240	-.00080
	GRADIENT	.00000	.04619	-.00429	-.00104	-.00033	.00022	-.00009

RUN NO. 15/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.710	-5.412	.00000	-.52310	.11540	.15590	.00170	-.00230	-.00170
94.220	-2.818	.00000	-.40530	.09490	.15120	.00350	-.00230	-.00080
93.990	-.223	.00000	-.28530	.07920	.14770	.00240	-.00190	-.00130
94.430	2.374	.00000	-.16360	.06720	.14560	.00100	-.00120	-.00110
94.520	4.969	.00000	-.04370	.06090	.14290	.00020	-.00090	-.00170
94.610	7.572	.00000	.08560	.06090	.14000	.00030	-.00110	-.00210
94.380	10.178	.00000	.21850	.07020	.13780	.00000	-.00110	-.00150
94.800	12.775	.00000	.34130	.09060	.13980	-.00010	-.00120	-.00040
94.870	15.391	.00000	.48650	.12730	.13440	.00050	-.00150	-.00070
95.210	18.018	.00000	.64620	.18890	.12150	.00150	-.00240	-.00050
94.570	20.660	.00000	.82550	.29020	.09880	.00040	-.00230	-.00190
88.500	25.862	.00000	1.07590	.50960	.08810	.00000	-.00190	.00000
	GRADIENT	.00000	.04648	-.00439	-.00104	-.00044	.00020	-.00010

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 16/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
19.200	-13.000	-.03060	-.04350	.05080	.02980	.25650	-.02310	.01260
19.160	-10.000	-.03680	-.05130	.05500	.03460	.19810	-.01820	.01160
19.070	-5.000	-.05330	-.07210	.06860	.04760	.10050	-.00930	.00880
19.050	-2.000	-.06180	-.08270	.07110	.05420	.04210	-.00470	.00700
19.080	.000	-.06190	-.08290	.07220	.05830	.00240	-.00130	.00500
19.040	2.000	-.06270	-.08380	.07160	.05280	-.03590	.00190	.00230
19.130	5.000	-.05780	-.07770	.06740	.05150	-.09440	.00650	-.00270
19.150	10.000	-.04250	-.05850	.05660	.03940	-.19480	.01590	-.00770
19.110	15.000	-.03380	-.04750	.04980	.03360	-.28500	.02050	-.01280
19.040	20.000	-.03010	-.04280	.04870	.02520	-.35650	.01610	-.00520
	GRADIENT	-.00042	-.00052	.00009	.00049	-.01949	.00159	-.00115

RUN NO. 21/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.590	-13.000	-.03590	-.05010	.05350	.03020	.25320	-.02110	.00910
47.590	-10.000	-.04110	-.05670	.05800	.03460	.20050	-.01900	.01030
47.630	-5.000	-.05230	-.07080	.06590	.04540	.09950	-.00920	.00390
47.520	-2.000	-.05830	-.07830	.07070	.05170	.04240	-.00480	.00170
47.490	.000	-.06020	-.08070	.07180	.05300	.00360	-.00150	.00070
47.480	2.000	-.06120	-.08200	.07130	.05120	-.03550	.00180	-.00190
47.630	5.000	-.05130	-.06950	.06740	.04660	-.09510	.00630	-.00520
47.510	10.000	-.04400	-.06030	.06030	.03580	-.19740	.01710	-.01110
47.500	15.000	-.03150	-.04470	.05370	.03010	-.28530	.01810	-.01090
47.680	20.000	-.02420	-.03540	.04970	.02430	-.35630	.01520	-.00860
	GRADIENT	-.00001	-.00002	.00015	.00009	-.01946	.00156	-.00091

RUN NO. 45/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
94.290	-13.000	-.03130	-.04440	.05630	.03340	.25310	-.02090	.00930
94.680	-10.000	-.03680	-.05140	.06060	.03800	.19690	-.02120	.01850
94.410	-5.000	-.04540	-.06210	.06780	.04640	.12070	-.01380	.00270
94.780	-2.000	-.05390	-.07280	.07090	.05280	.04080	-.00590	.00760
94.730	.000	-.05510	-.07430	.07160	.05500	.00310	-.00190	.00590
94.410	2.000	-.05100	-.06910	.07050	.05340	-.03420	.00140	.00290
94.180	5.000	-.04550	-.06230	.06700	.04860	-.09360	.00680	-.00320
94.590	10.000	-.03590	-.05020	.05870	.04200	-.17030	.02470	-.03970
94.450	15.000	-.02520	-.03670	.05790	.02510	-.21150	.02070	-.07760
92.340	20.000	-.02330	-.03440	.06490	.00220	-.27030	.02260	-.08090
	GRADIENT	.00009	.00011	-.00008	.00021	-.02106	.00203	-.00067

ARC40X80-462(OA100) OV101(DECREASING BETA) (RNA01F) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 22/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.510	-13.000	-.03400	-.04780	.05360	.03150	.25430	-.02150	.00910
47.470	-10.000	-.04040	-.05580	.05770	.03480	.19860	-.01870	.00870
47.610	-5.000	-.05330	-.07200	.06610	.04390	.09900	-.00890	.00210
47.600	-2.000	-.05830	-.07830	.07080	.04860	.04020	-.00410	-.00060
47.430	.000	-.05900	-.07930	.07190	.05020	.00130	-.00110	-.00130
47.440	2.000	-.05780	-.07770	.07130	.04830	-.03820	.00250	-.00420
47.550	5.000	-.05570	-.07510	.06700	.04290	-.09580	.00700	-.00800
47.490	10.000	-.04480	-.06140	.06000	.03420	-.19960	.01770	-.01310
47.540	15.000	-.03010	-.04290	.05390	.02980	-.28560	.01770	-.01200
47.670	20.000	-.02510	-.03650	.05080	.02370	-.35420	.01460	-.00900
	GRADIENT	-.00019	-.00025	.00009	-.00010	-.01950	.00160	-.00099

ARC40X80-462(OA100) OV101 (RNA01G) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 17/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
19.180	-13.000	5.15600	.19120	.05650	.02780	.25760	-.02590	.02050
19.120	-10.000	5.15070	.18460	.05350	.03160	.19720	-.01990	.01620
19.080	-5.000	5.13860	.16930	.06780	.04440	.09630	-.00890	.01130
19.070	-2.000	5.13240	.16150	.07060	.05290	.04010	-.00460	.00690
19.070	.000	5.13300	.16230	.07090	.05420	.00060	-.00120	.00350
19.060	2.000	5.13350	.16290	.07040	.05290	-.03810	.00220	.00100
19.080	5.000	5.13660	.16680	.06780	.04880	-.09620	.00740	-.00390
19.070	10.000	5.14540	.17790	.05960	.03570	-.19530	.01820	-.01400
19.020	15.000	5.15250	.18690	.05580	.03330	-.28620	.02320	-.02250
19.010	20.000	5.14760	.18050	.05740	.02660	-.35840	.02100	-.01940
	GRADIENT	-.00013	-.00017	-.00001	.00038	-.01929	.00164	-.00151

ARC40X80-462(OA100) OV101 (RNA01G) (15 APR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 23/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.780	-13.000	5.15350	.18800	.05790	.02890	.25410	-.02370	.01980
47.770	-10.000	5.15150	.18550	.06030	.03450	.20390	-.01740	.00810
47.550	-5.000	5.14320	.17510	.06700	.04110	.09480	-.00930	.00600
47.560	-2.000	5.13590	.16590	.07000	.04760	.03970	-.00460	.00300
47.450	.000	5.13470	.16440	.07070	.04820	-.00090	-.00090	.00020
47.560	2.000	5.13660	.16690	.07050	.04650	-.03880	.00280	-.00320
47.430	5.000	5.14390	.17610	.06770	.03930	-.09430	.00670	-.01020
47.670	10.000	5.14810	.18130	.06240	.03040	-.19850	.01880	-.01720
47.470	15.000	5.15440	.18930	.05870	.02690	-.28630	.02200	-.02290
47.450	20.000	5.14970	.18340	.05340	.00690	-.33940	.02840	-.04330
	GRADIENT	.00008	.00012	.00008	-.00014	-.01901	.00163	-.00161

ARC40X80-462(OA100) OV101 (RNA01H) (15 APR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 18/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
19.060	-13.000	10.35540	.44210	.09100	.02330	.26050	-.02970	.02960
19.090	-10.000	10.35000	.43530	.09150	.02750	.19600	-.02270	.02720
19.100	-5.000	10.34090	.42360	.09480	.03920	.09460	-.01080	.01590
19.160	-2.000	10.33690	.41880	.09580	.04790	.03590	-.00480	.01010
19.060	.000	10.33670	.41860	.09560	.04970	.00170	-.00120	.00290
19.110	2.000	10.33810	.42030	.09580	.04820	-.03580	.00250	-.00200
19.080	5.000	10.33800	.42020	.09390	.04270	-.09340	.00810	-.01020
19.110	10.000	10.34840	.43320	.09150	.03220	-.19650	.02090	-.02150
19.050	15.000	10.34820	.43290	.09180	.02370	-.29040	.02730	-.03060
19.040	20.000	10.33850	.42090	.09550	.02340	-.35730	.02520	-.03410
	GRADIENT	-.00021	-.00026	-.00007	.00031	-.01868	.00188	-.00266

ARC40X80-462(OA100) OV101

(RNAOIH) (15 APR 82)

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 =	.3600			

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 24/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.700	-13.000	10.35330	.43940	.09100	.02340	.25330	-.02740	.03070
47.950	-10.000	10.35370	.43990	.09170	.02800	.19840	-.02350	.02370
48.370	-5.000	10.34700	.43140	.09430	.03450	.09330	-.01030	.01200
47.570	-2.000	10.33920	.42170	.09550	.04100	.03480	-.00460	.00520
47.530	.000	10.34220	.42540	.09610	.04150	-.00220	-.00060	.00140
47.440	2.000	10.34220	.42550	.09550	.04040	-.03840	.00280	-.00520
47.660	5.000	10.34330	.42690	.09510	.03380	-.09470	.00830	-.01260
47.390	10.000	10.35110	.43670	.09340	.02710	-.19900	.02220	-.02330
47.510	15.000	10.35440	.44070	.09280	.02170	-.28900	.02660	-.03300
47.500	20.000	10.34690	.43130	.09820	.01650	-.35150	.02470	-.04110
	GRADIENT	-.00022	-.00026	.00007	-.00008	-.01873	.00186	-.00248

RUN NO. 46/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
94.480	-13.000	10.36180	.45010	.09320	.02730	.24910	-.02800	.03620
94.340	-10.000	10.36090	.44900	.09350	.03130	.19970	-.02500	.03110
94.410	-5.000	10.35270	.43860	.09550	.03690	.09500	-.01190	.01910
94.550	-2.000	10.34830	.43310	.09590	.04260	.03630	-.00520	.01150
94.270	.000	10.34640	.43070	.09650	.04350	.00040	-.00130	.00550
94.360	2.000	10.34690	.43140	.09610	.04120	-.03590	.00250	-.00090
94.430	5.000	10.34930	.43440	.09600	.03800	-.09180	.00860	-.00950
94.550	10.000	10.35430	.44070	.10340	.01540	-.15270	.02300	-.06600
94.610	15.000	10.35440	.44080	.07820	.05190	-.19830	.01180	-.11010
94.360	20.000	10.34210	.42530	.09100	.04350	-.25810	.00620	-.10200
	GRADIENT	-.00034	-.00042	.00005	.00005	-.01859	.00203	-.00290

ARC40X80-462(OA100) OV101 (RNA01I) (15 APR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 19/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
19.000	-13.000	15.56640	.70740	.16820	.00010	.25200	-.03080	.03480
19.100	-10.000	15.56950	.71140	.17120	.00400	.19440	-.02480	.02720
19.000	-5.000	15.55260	.69010	.16600	.02310	.09360	-.01090	.01390
19.000	-2.000	15.54840	.68480	.16870	.03480	.03880	-.00530	.00930
18.980	.000	15.54310	.67810	.16900	.03690	-.00050	-.00100	.00220
19.070	2.000	15.54750	.68370	.17010	.03510	-.03660	.00300	-.00330
18.980	10.000	15.56530	.70610	.17160	.00650	-.19310	.02150	-.02570
19.000	15.000	15.56340	.70370	.17070	-.00010	-.28420	.02950	-.04090
18.930	20.000	15.56490	.70560	.18910	-.00890	-.33810	.02010	-.04230
	GRADIENT	-.00095	-.00119	.00055	.00172	-.01868	.00199	-.00251

RUN NO. 25/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.510	-13.000	15.57760	.72160	.17190	.00770	.24710	-.02820	.03430
47.800	-10.000	15.57950	.72400	.17410	.01180	.19430	-.02300	.02560
48.000	-5.000	15.55820	.69710	.16710	.02960	.09120	-.01070	.01450
48.090	-2.000	15.55530	.69350	.16930	.03750	.03570	-.00510	.00550
47.970	.000	15.55490	.69300	.17020	.03660	-.00150	-.00070	.00020
47.910	2.000	15.55220	.68960	.17010	.03880	-.03810	.00360	-.00610
47.690	5.000	15.55430	.69220	.16770	.03200	-.08990	.00870	-.01630
47.470	10.000	15.57390	.71690	.17460	.00800	-.19300	.02110	-.02600
47.450	15.000	15.57670	.72040	.17810	.00090	-.27960	.02520	-.03670
47.650	20.000	15.58620	.70730	.19920	-.00460	-.31720	.01060	-.04100
	GRADIENT	-.00044	-.00056	.00008	.00025	-.01816	.00197	-.00306

ARC40X80-462(OA100) OV101 (RNA01J) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 20/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
19.180	-13.000	20.81209	1.01650	.32360	-.02520	.24570	-.02590	.03460
19.130	-10.000	20.80620	1.00910	.31980	-.00910	.18440	-.02800	.03080
19.100	-5.000	20.80550	1.00820	.32920	-.00250	.08020	-.00320	.01510
19.140	-2.000	20.80289	1.00500	.33670	.00370	.03470	-.00260	.00910
19.220	.000	20.80119	1.00280	.33780	.00500	-.00250	-.00220	.00160
19.130	2.000	20.80600	1.00890	.33890	.00510	-.03150	.00110	-.00380
19.100	5.000	20.80370	1.00590	.32990	.00140	-.07920	.00050	-.01270
19.010	10.000	20.80730	1.01050	.32850	-.01640	-.19180	.01940	-.02670
19.040	15.000	20.81580	1.02120	.33000	-.03450	-.27880	.02340	-.03770
19.000	20.000	20.80350	1.00570	.34030	-.04100	-.33240	.01540	-.04200
	GRADIENT	-.00005	-.00007	.00014	.00038	-.01602	.00045	-.00284

RUN NO. 26/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.490	-13.000	20.83099	1.04040	.33720	-.02900	.24230	-.02220	.03470
47.730	-10.000	20.82539	1.03320	.33750	-.01610	.19330	-.02090	.02940
47.590	-5.000	20.81549	1.02080	.34110	-.00170	.08740	-.00610	.01640
47.600	-2.000	20.82300	1.03020	.35530	-.00040	.03480	-.00340	.00690
47.560	.000	20.82379	1.03130	.36010	.00000	.00210	-.00070	.00040
47.630	2.000	20.82039	1.02690	.35780	-.00030	-.03310	.00210	-.00680
47.700	5.000	20.80719	1.01040	.34170	.00280	-.08010	.00420	-.01830
47.640	10.000	20.82129	1.02810	.33910	-.01580	-.19450	.02040	-.02620
47.620	15.000	20.82269	1.02990	.33440	-.02760	-.27320	.02070	-.03930
47.420	20.000	20.78960	.98920	.34620	-.03170	-.30220	.00490	-.04220
	GRADIENT	-.00081	-.00101	.00014	.00039	-.01678	.00108	-.00346

ARC40X80-462(OA100) OV101 (RNA01K) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 10/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.410	-36.343	-.36230	.00000	-.46070	.14880	.21180	.00910	-.00240	.00290
47.600	-31.143	-.34870	.00000	-.44360	.13670	.20710	.00860	-.00160	.00660
47.670	-26.002	-.35020	.00000	-.44540	.12310	.21450	.00500	-.00200	.00460
47.550	-20.742	-.34420	.00000	-.43800	.10550	.21190	.00240	-.00150	.00220
47.580	-15.501	-.30020	.00000	-.39260	.08920	.18650	.00440	-.00180	-.00080
47.670	-10.401	-.22370	.00000	-.29640	.07910	.14640	.00380	-.00170	-.00110
47.780	-5.200	-.14100	.00000	-.18240	.07360	.10040	.00510	-.00200	-.00150
47.640	-.060	-.06010	.00000	-.08060	.07150	.05180	.00300	-.00120	-.00070
47.540	5.141	.01740	.00000	.01690	.07470	.00550	.00270	-.00130	-.00060
47.490	10.281	.09020	.00000	.10940	.08220	-.03760	.00350	-.00150	-.00130
47.580	15.482	.16370	.00000	.20090	.09520	-.08370	.00460	-.00130	-.00200
47.470	20.692	.22960	.00000	.28380	.11350	-.12590	.00450	-.00170	-.00110
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (RNAOIL) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 11/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.520	-36.343	4.82560	.00000	-.22440	.11660	.20240	.00550	-.00110	.00300
47.610	-31.143	4.83820	.00000	-.20860	.10590	.20200	.00450	-.00120	.00760
47.540	-26.002	4.83150	.00000	-.21700	.09340	.21020	.00150	-.00130	.00300
47.510	-20.742	4.84100	.00000	-.20500	.07550	.21010	-.00070	-.00080	.00270
47.510	-15.601	4.89300	.00000	-.13960	.06530	.18080	.00260	-.00110	-.00090
47.550	-10.401	4.95640	.00000	-.04720	.05180	.14130	.00180	-.00100	-.00060
47.510	-5.260	5.05230	.00000	.06070	.06360	.09560	.00140	-.00100	-.00100
47.610	-.060	5.13570	.00000	.16570	.07000	.04740	.00130	-.00090	-.00110
47.450	5.081	5.21180	.00000	.26140	.08080	.00000	.00070	-.00110	-.00040
47.500	10.341	5.28770	.00000	.35690	.09570	-.04580	.00070	-.00100	-.00050
47.710	15.482	5.36120	.00000	.44930	.11540	-.08990	.00240	-.00090	-.00080
47.420	20.682	5.42780	.00000	.53310	.13950	-.13330	.00340	-.00130	-.00040
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA01M) (15 APR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6200 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	.000	BOFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 12/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.660	-36.343	10.01980	.00000	.02000	.10930	.20200	.00140	-.00160	.00260
47.590	-31.143	10.03190	.00000	.03510	.09970	.20020	-.00010	-.00130	.00550
47.530	-26.002	10.02690	.00000	.02870	.08490	.21040	-.00250	-.00080	.00370
47.620	-20.802	10.03190	.00000	.03520	.06850	.21030	-.00050	-.00100	-.00010
47.460	-15.601	10.09800	.00000	.11820	.05620	.17700	-.00020	-.00100	-.00140
47.530	-10.401	10.17700	.00000	.21770	.07050	.13670	-.00080	-.00090	-.00070
47.500	-5.200	10.25980	.00000	.32170	.08110	.08880	-.00260	-.00070	-.00030
47.500	-.060	10.33930	.00000	.42180	.09570	.04120	-.00890	-.00090	-.00050
47.350	5.141	10.41430	.00000	.51610	.11320	-.00340	.00090	-.00110	-.00130
47.430	10.281	10.48700	.00000	.60760	.13690	-.05180	.00070	-.00080	-.00090
47.460	15.541	10.56190	.00000	.70180	.16540	-.09860	.00040	-.00070	-.00080
47.380	20.622	10.63890	.00000	.79970	.20150	-.15000	.00320	-.00090	-.00150
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(DECREASING ELEVON) (RNA01N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 13/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.380	-38.343	10.01530	.00000	.01430	.10290	.30540	.00060	-.00160	.00300
47.430	-31.143	10.02770	.00000	.02990	.09930	.30490	-.00160	-.00120	.00640
47.440	-25.942	10.02480	.00000	.02620	.08470	.31410	-.00180	-.00100	.00320
47.350	-20.742	10.03260	.00000	.03610	.06850	.31380	-.00210	-.00090	.00000
47.340	-15.541	10.09620	.00000	.11600	.06500	.28340	-.00080	-.00120	.00000
47.340	-10.461	10.17660	.00000	.21710	.07050	.24080	-.00090	-.00110	-.00050
47.260	-5.200	10.25610	.00000	.31710	.08080	.19220	-.00010	-.00100	-.00130
47.300	.000	10.33820	.00000	.42040	.09570	.14530	-.00010	-.00140	-.00060
47.260	5.111	10.41200	.00000	.51320	.11370	.09990	.00070	-.00090	-.00070
47.510	10.281	10.48960	.00000	.61080	.13770	.05200	.00050	-.00080	-.00040
47.530	15.541	10.56080	.00000	.70040	.16560	.00370	.00470	-.00130	-.00170
47.400	20.622	10.63970	.00000	.79960	.20170	-.04650	.00060	-.00070	-.00060
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA010) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 27/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.630	-36.343	15.21490	.00000	.26530	.14430	.20730	-.00200	-.00160	.00510
47.880	-31.143	15.21480	.00000	.26520	.13390	.21490	-.00540	-.00180	.01100
47.570	-26.002	15.19820	.00000	.24180	.11460	.23240	-.00700	-.00140	.00740
47.550	-20.742	15.22920	.00000	.28330	.10660	.21720	-.00050	-.00140	.00020
47.520	-15.601	15.30240	.00000	.37540	.11250	.17870	.00020	-.00150	-.00030
47.720	-10.401	15.33470	.00000	.47900	.12600	.13450	.00070	-.00150	-.00070
47.490	-5.200	15.46640	.00000	.58170	.14420	.08820	.00150	-.00140	-.00090
47.560	.000	15.55290	.00000	.69050	.16920	.03600	.00130	-.00100	-.00080
47.560	5.141	15.62260	.00000	.77620	.19640	-.00600	.00020	-.00140	-.00080
47.570	10.281	15.70160	.00000	.87760	.23120	-.05670	.00330	-.00070	-.00060
47.790	15.482	15.78050	.00000	.97680	.27150	-.10710	.00270	-.00090	-.00090
47.430	20.637	15.85410	.00000	1.06940	.31870	-.15720	.00110	-.00070	.00010
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA01P) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 28/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.610	-36.343	20.42749	.00000	.53280	.24940	.20450	-.00050	-.00180	.00600
47.620	-31.143	20.39299	.00000	.48930	.22480	.23000	-.00990	-.00290	.01420
47.500	-25.942	20.40469	.00000	.50400	.21530	.22690	-.00080	-.00160	.00130
47.700	-20.712	20.48399	.00000	.60380	.23080	.19220	.00020	-.00120	.00080
47.670	-15.601	20.56470	.00000	.70540	.25080	.15040	.00100	-.00130	-.00010
47.810	-10.401	20.65359	.00000	.81710	.28190	.10180	.00130	-.00160	-.00110
47.510	-5.200	20.74120	.00000	.92730	.31830	.04880	.00230	-.00180	-.00060
47.560	-.030	20.82039	.00000	1.02700	.35810	-.00340	.00530	-.00130	-.00050
47.750	5.141	20.89789	.00000	1.12450	.40530	-.05110	.00240	-.00300	-.00160
47.560	10.341	20.97299	.00000	1.21890	.45540	-.10260	.00330	-.00330	-.00100
47.760	15.541	21.04719	.00000	1.31230	.51130	-.15530	.00580	-.00220	-.00180
47.650	20.682	21.11699	.00000	1.40010	.57020	-.20240	.00820	-.00280	-.00200
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA01Q) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 29/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.700	-.045	-.06100	.00000	-.08170	.07150	.05310	.00200	-.00130	.00030
47.690	2.570	-.05880	.00000	-.07890	.07180	.05310	-.00570	.00080	.00920
47.620	5.141	-.05880	.00000	-.07900	.07400	.05250	-.01330	.00310	.02030
47.590	7.711	-.05890	.00000	-.07910	.07640	.05370	-.02140	.00490	.03040
47.610	10.281	-.06270	.00000	-.08390	.08080	.05270	-.02870	.00680	.04020
47.630	15.541	-.06730	.00000	-.08970	.09230	.05250	-.04100	.01020	.05850
	GRADIENT	.00084	.00000	.00107	.00011	-.00000	-.00294	.00080	.00340

ARC40X80-462(OA100) OV101 (RNA01R) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 30/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.600	-.045	5.13420	.00000	.16380	.07000	.04990	-.00010	-.00080	-.00070
47.660	2.570	5.13750	.00000	.16800	.07080	.04780	-.01000	.00080	.01110
47.650	5.141	5.13710	.00000	.16750	.07260	.04770	-.01980	.00220	.02140
47.570	7.741	5.13390	.00000	.16340	.07510	.04910	-.02880	.00380	.03230
47.610	10.311	5.13260	.00000	.16180	.07810	.04870	-.03720	.00480	.04220
47.570	15.541	5.13040	.00000	.15900	.09070	.04700	-.05450	.00720	.06130
	GRADIENT	.00126	.00000	.00161	.00031	-.00080	-.00379	.00061	.00451

ARC40X80-462(OA100) OV101 (RNA01S) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 31/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.670	-.060	10.34030	.00000	.42300	.09590	.04280	-.00050	-.00120	-.00060
47.530	2.570	10.33860	.00000	.42100	.09530	.04290	-.01210	-.00020	.01140
47.690	5.141	10.33620	.00000	.41790	.09740	.04370	-.02210	.00040	.02190
47.590	7.711	10.33440	.00000	.41560	.10040	.04420	-.03240	.00060	.03310
47.650	10.281	10.33390	.00000	.41500	.10360	.04460	-.04310	.00160	.04370
47.710	15.541	10.33260	.00000	.41340	.11530	.04290	-.06130	.00290	.06430
	GRADIENT	-.00065	.00000	-.00076	.00015	.00004	-.00441	.00038	.00456

ARC40X80-462(OA100) OV101(DECREASING AILERON) (RNA01T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 32/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.600	.000	10.34000	.00000	.42260	.09570	.04180	-.00080	-.00100	-.00030
47.610	2.570	10.33890	.00000	.42120	.09640	.04180	-.01210	-.00040	.01130
47.690	5.141	10.33550	.00000	.41700	.09770	.04350	-.02410	.00070	.02240
47.670	7.771	10.33270	.00000	.41350	.09980	.04510	-.03370	.00100	.03340
47.670	10.341	10.33540	.00000	.41690	.10370	.04460	-.04460	.00180	.04420
47.610	15.541	10.33010	.00000	.41030	.11490	.04300	-.06230	.00280	.06420
	GRADIENT	-.00047	.00000	-.00054	.00027	.00000	-.00440	.00023	.00451

ARC40X80-462(OA100) OV101 (RNA01U) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 33/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.570	-.015	15.55000	.00000	.68680	.16890	.03740	-.00080	-.00130	.00070
47.700	2.570	15.55310	.00000	.69070	.17020	.03710	-.01250	-.00150	.01110
47.690	5.170	15.54670	.00000	.68270	.17050	.03820	-.02310	-.00130	.02260
47.620	7.711	15.54580	.00000	.68160	.17310	.03900	-.03510	-.00100	.03420
47.590	10.281	15.54490	.00000	.68050	.17780	.03740	-.04470	-.00160	.04530
47.490	15.527	15.53910	.00000	.67310	.19010	.03450	-.06920	-.00280	.06680
	GRADIENT	.00120	.00000	.00151	.00054	-.00012	-.00453	-.00008	.00402

ARC40X80-462(OA100) OV101 (RNA01V) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 34/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.650	.000	20.82100	.00000	1.02770	.36060	.21910	.00110	-.00170	-.00090
47.580	2.570	20.82050	.00000	1.02710	.36110	.21890	-.00910	-.00220	.00970
47.650	5.185	20.81780	.00000	1.02370	.36110	.22050	-.01930	-.00410	.02000
47.670	7.711	20.81279	.00000	1.01740	.36190	.22070	-.02850	-.00530	.03120
47.640	10.341	20.81310	.00000	1.01780	.36680	.22180	-.04010	-.00770	.04130
47.430	15.541	20.80319	.00000	1.00530	.37670	.22590	-.06090	-.01210	.06170
	GRADIENT	-.00020	.00000	-.00023	.00019	-.00008	-.00397	-.00019	.00412

ARC40X80-462(OA100) OV101 (RNA01W) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 50/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.600	.064	.09040	.00000	.10880	.08260	-.03790	.00560	-.00140	-.00060
47.580	2.544	.09080	.00000	.10920	.08300	-.03780	-.00190	-.00080	.00970
47.740	5.068	.09330	.00000	.11230	.08510	-.03950	-.01000	-.00020	.01970
47.600	7.578	.09360	.00000	.11270	.08830	-.04000	-.01830	.00070	.02950
47.600	10.044	.09000	.00000	.10820	.09290	-.03990	-.02470	.00090	.03870
47.740	12.896	.07980	.00000	.09540	.10470	-.03450	-.03870	.00160	.05700
	GRADIENT	.00016	.00000	.00016	.00016	.00004	-.00302	.00024	.00415

ARC40X80-462(OA100) OV101 (RNA01X) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 51/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.550	.049	5.28440	.00000	.35280	.09660	-.04690	.00180	-.00100	.00030
47.650	2.544	5.28230	.00000	.35010	.09670	-.04460	-.00660	-.00120	.01080
47.560	5.068	5.28750	.00000	.35670	.09820	-.04440	-.01550	-.00090	.02030
47.540	7.578	5.28690	.00000	.35590	.10180	-.04570	-.02550	-.00070	.03100
47.710	10.028	5.28360	.00000	.35170	.10540	-.04350	-.03370	-.00100	.04110
47.460	12.896	5.27420	.00000	.33990	.11620	-.04000	-.04920	-.00140	.05970
	GRADIENT	-.00084	.00000	-.00108	.00004	.00092	-.00337	-.00008	.00421

ARC40X80-462(OA100) OV101 (RNA01Y) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 52/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.580	.049	10.48720	.00000	.60780	.13680	-.05030	.00220	-.00100	-.00010
47.430	2.544	10.48710	.00000	.60770	.13690	-.05040	-.00700	-.00160	.01080
47.430	5.024	10.48660	.00000	.60710	.13940	-.05050	-.01910	-.00240	.02200
47.400	7.578	10.48810	.00000	.60900	.14280	-.05380	-.02740	-.00350	.03210
47.480	10.028	10.48780	.00000	.60860	.14760	-.05470	-.03990	-.00410	.04340
47.370	12.896	10.48680	.00000	.60730	.16100	-.05730	-.05770	-.00720	.06480
	GRADIENT	-.00004	.00000	-.00004	.00004	-.00004	-.00369	-.00024	.00437

ARC40X80-462(OA100) OV101 (RNA01Z) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 53/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.600	.050	15.70420	.00000	.88080	.23170	-.06090	.00570	-.00160	-.00070
47.750	2.559	15.70020	.00000	.87570	.23130	-.05800	-.00350	-.00320	.01050
47.780	5.068	15.69900	.00000	.87430	.23350	-.05760	-.01550	-.00560	.02180
47.690	7.564	15.70020	.00000	.87570	.23750	-.05880	-.02600	-.00770	.03170
47.700	10.043	15.70130	.00000	.87720	.24270	-.05960	-.03480	-.00870	.04140
47.670	12.896	15.69340	.00000	.86720	.25430	-.05820	-.05150	-.01360	.05930
	GRADIENT	-.00159	.00000	-.00203	-.00016	.00116	-.00367	-.00064	.00446

ARC40X80-462(OA100) OV101 (RNA02A) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 54/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.540	.034	20.97739	.00000	1.22450	.45980	-.10510	.00980	-.00290	-.00250
47.680	2.559	20.97490	.00000	1.22130	.45950	-.10490	.00040	-.00690	.00830
47.590	5.039	20.97249	.00000	1.21830	.46140	-.10490	-.01030	-.01010	.01800
47.620	7.593	20.96439	.00000	1.20810	.45950	-.10300	-.01850	-.01330	.02710
47.530	10.043	20.96399	.00000	1.20770	.46450	-.10280	-.02860	-.01620	.03660
47.520	12.896	20.95059	.00000	1.19070	.47040	-.09750	-.04670	-.02230	.05360
	GRADIENT	-.00099	.00000	-.00127	-.00012	.00008	-.00372	-.00158	.00428

ARC40X80-462(OA100) OV101 (RNA02B) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 55/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.620	-.078	-.21900	.00000	-.28040	.07980	.14450	.00570	-.00230	.00010
47.760	2.460	-.22190	.00000	-.28410	.08080	.14400	.00020	.00080	.01040
47.760	4.985	-.21680	.00000	-.27770	.08170	.14280	-.00820	.00380	.02100
47.580	7.465	-.21810	.00000	-.27930	.08400	.14020	-.01280	.00650	.02980
47.590	10.020	-.20960	.00000	-.26860	.08810	.13410	-.02120	.00950	.03910
47.360	15.069	-.17790	.00000	-.22880	.09930	.11470	-.02890	.01420	.05200
	GRADIENT	.00043	.00000	.00053	.00038	-.00034	-.00274	.00120	.00413

ARC40X80-462(OA100) OV101 (RNA02C) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 56/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.640	-.034	4.97260	.00000	-.03950	.06310	.14020	.00280	-.00120	.00050
47.660	2.461	4.97170	.00000	-.04060	.06400	.13910	-.00370	.00070	.01090
47.670	4.985	4.97540	.00000	-.03590	.06660	.13660	-.01200	.00320	.02040
47.670	7.480	4.97780	.00000	-.03290	.06920	.13490	-.02020	.00540	.03060
47.570	10.020	4.98020	.00000	-.02990	.07370	.12920	-.02730	.00780	.04010
47.320	15.054	5.01310	.00000	.01150	.08860	.10840	-.03980	.01130	.05340
	GRADIENT	.00056	.00000	.00072	.00070	-.00072	-.00295	.00088	.00396

ARC40X80-462(OA100) OV101 (RNA02D) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 57/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.760	-.064	10.17740	.00000	.21810	.07140	.13590	.00310	-.00170	-.00020
47.770	2.461	10.17930	.00000	.22050	.07220	.13520	-.00790	.00010	.01170
47.800	4.956	10.18250	.00000	.22450	.07470	.13290	-.01600	.00180	.02230
47.880	7.495	10.18790	.00000	.23140	.07840	.13000	-.02480	.00330	.03150
47.690	10.020	10.18750	.00000	.23090	.08270	.12680	-.03640	.00510	.04280
47.640	15.039	10.21370	.00000	.26380	.09880	.10810	-.04980	.00770	.05750
	GRADIENT	.00102	.00000	.00127	.00066	-.00060	-.00381	.00070	.00448

ARC40X80-462(OA100) OV101 (RNA02E) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 58/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.510	-.064	15.39270	.00000	.48900	.12920	.13170	.00250	-.00170	.00100
47.450	2.461	15.38990	.00000	.48540	.12930	.13190	-.00940	-.00060	.01220
47.560	4.971	15.39340	.00000	.48990	.13180	.13070	-.02090	.00060	.02360
47.500	7.465	15.39760	.00000	.49520	.13640	.12750	-.03450	.00220	.03470
47.370	10.020	15.39600	.00000	.49310	.14040	.12620	-.04430	.00320	.04540
47.570	15.055	15.39770	.00000	.49530	.15280	.11860	-.06530	.00510	.06520
	GRADIENT	.00014	.00000	.00018	.00052	-.00020	-.00465	.00046	.00449

ARC40X80-462(OA100) OV101 (RNA02F) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 59/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
45.310	-.064	20.65860	.00000	.82370	.28240	.10040	.00540	-.00030	-.00140
47.090	2.461	20.65709	.00000	.82150	.28360	.09760	-.00650	-.00190	.01070
47.600	4.971	20.65230	.00000	.81550	.28330	.09600	-.01940	-.00190	.02240
47.390	7.480	20.65919	.00000	.82420	.29080	.09540	-.02760	-.00260	.03280
47.470	10.020	20.65590	.00000	.82010	.29320	.09600	-.03840	-.00200	.04430
47.360	15.010	20.65469	.00000	.81860	.30730	.08950	-.06170	-.00400	.06590
	GRADIENT	-.00129	.00000	-.00163	.00018	-.00087	-.00493	-.00032	.00473

ARC40X80-462(OA100) OV101 (RNA02G) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 70/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
48.060	-.053	-.34040	.00000	-.43320	.10630	.21000	.00270	-.00140	.00280
47.800	2.441	-.33890	.00000	-.43130	.10600	.20780	.00300	.00070	.00580
47.850	4.966	-.32630	.00000	-.41540	.10620	.20240	.00100	.00320	.01080
47.690	7.475	-.30830	.00000	-.39280	.10710	.19140	-.00420	.00630	.01410
47.660	10.000	-.28860	.00000	-.36810	.10860	.18050	-.01090	.00950	.01930
47.530	15.005	-.25800	.00000	-.32950	.11110	.15920	-.02540	.01460	.02850
	GRADIENT	.00281	.00000	.00355	-.00002	-.00152	-.00034	.00092	.00159

ARC40X80-462(OA100) OV101 (RNA02H) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 71/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.420	-.068	4.84390	.00000	-.20140	.07500	.21050	.00120	-.00080	.00240
47.380	2.456	4.85130	.00000	-.19210	.07630	.20580	.00120	.00110	.00600
47.560	4.966	4.86170	.00000	-.17900	.07900	.19860	-.00360	.00330	.01230
47.530	7.476	4.87510	.00000	-.16220	.08030	.19200	-.00870	.00590	.01850
47.490	9.986	4.89760	.00000	-.13380	.08420	.17580	-.01460	.00840	.01960
47.450	15.020	4.93140	.00000	-.09130	.09050	.15180	-.02590	.01240	.02990
	GRADIENT	.00354	.00000	.00445	.00079	-.00236	-.00095	.00081	.00197

ARC40X80-462(OA100) OV101 (RNA02I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 72/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.650	-.053	10.03710	.00000	.04170	.06980	.20880	.00150	-.00090	.00090
47.620	2.442	10.03600	.00000	.04280	.07030	.20740	-.00530	.00120	.00870
47.580	5.408	10.07030	.00000	.08350	.07750	.18660	-.01400	.00430	.01870
47.500	7.491	10.07050	.00000	.08360	.07750	.18720	-.01440	.00460	.01980
47.460	10.000	10.09890	.00000	.11940	.08450	.17210	-.02040	.00700	.02240
47.370	15.035	10.13050	.00000	.15820	.09440	.14870	-.03480	.01060	.03320
	GRADIENT	.00036	.00000	.00044	.00020	-.00056	-.00273	.00084	.00313

ARC40X80-462(OA100) OV101 (RNA02J) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 73/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.540	-.053	15.23020	.00000	.28450	.10780	.21280	-.00050	-.00160	.00120
47.580	2.456	15.22850	.00000	.28240	.10760	.21250	-.00730	.00040	.00980
47.480	4.966	15.23270	.00000	.28770	.10970	.21070	-.01730	.00260	.02010
47.420	7.491	15.26340	.00000	.32630	.11970	.19210	-.02190	.00440	.02330
47.350	9.970	15.28240	.00000	.35020	.12740	.18200	-.02840	.00590	.02950
47.430	15.020	15.33470	.00000	.41600	.14380	.15070	-.04350	.00920	.03670
	GRADIENT	.00050	.00000	.00064	.00038	-.00042	-.00335	.00084	.00377

ARC40X80-462(OA100) OV101 (RNA02K) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 74/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.470	-.068	20.48309	.00000	.60270	.22900	.18830	.00080	-.00060	.00100
47.470	2.456	20.48579	.00000	.60610	.23010	.18820	-.00900	-.00050	.01050
47.410	4.981	20.48569	.00000	.60590	.23180	.18460	-.01920	.00070	.02030
47.390	7.461	20.48810	.00000	.60900	.23540	.18150	-.02940	.00160	.03140
47.330	9.986	20.49449	.00000	.61710	.24210	.17660	-.04080	.00200	.04040
47.780	15.020	20.56299	.00000	.70330	.27690	.13460	-.05250	.00540	.04350
	GRADIENT	.00051	.00000	.00063	.00055	-.00073	-.00396	.00026	.00382

ARC40X80-462(OA100) OV101 (RNA02L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 60/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.680	.000	-.04990	5.00000	-.06780	.06750	.04400	-.09180	.00620	-.00310
47.880	2.524	-.05140	5.00000	-.06970	.06840	.04200	-.09930	.00970	.00520
47.850	5.005	-.05250	5.00000	-.07110	.07030	.04110	-.10710	.01050	.01430
47.800	7.514	-.05330	5.00000	-.07210	.07230	.04330	-.11490	.01250	.02480
47.730	10.024	-.05380	5.00000	-.07270	.07670	.04050	-.12150	.01450	.03430
47.790	15.088	-.05320	5.00000	-.07190	.08800	.03730	-.13350	.01750	.05440
	GRADIENT	-.00059	.00000	-.00075	.00036	-.00079	-.00297	.00099	.00329

ARC40X80-462(OA100) OV101 (RNA02M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 61/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.920	.000	5.14540	5.00000	.17790	.08780	.03930	-.09360	.00670	-.00740
47.840	2.510	5.14770	5.00000	.18070	.06890	.03730	-.10290	.00820	.00380
47.740	4.990	5.14580	5.00000	.17840	.07040	.03730	-.11120	.00960	.01350
47.700	7.514	5.14660	5.00000	.17940	.07290	.03650	-.12090	.01080	.02420
47.820	10.009	5.14540	5.00000	.17800	.07690	.03460	-.13090	.01250	.03510
47.620	15.058	5.14370	5.00000	.17570	.08820	.03180	-.14670	.01490	.05380
	GRADIENT	.00008	-.00000	.00010	.00052	-.00040	-.00353	.00058	.00419

ARC40X80-462(OA100) OV101 (RNA02N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 62/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.830	.000	10.34720	5.00000	.43170	.09550	.03310	-.09140	.00800	-.01200
47.820	2.495	10.34480	5.00000	.42880	.09590	.03230	-.10260	.00860	-.00060
47.780	5.005	10.34240	5.00000	.42570	.09700	.03350	-.11210	.00950	.01000
47.670	7.499	10.34300	5.00000	.42640	.10010	.03300	-.12420	.01040	.02120
47.670	10.024	10.34630	5.00000	.43060	.10430	.03130	-.13440	.01140	.03170
47.800	15.088	10.34780	5.00000	.43250	.11690	.02640	-.15570	.01260	.05260
	GRADIENT	-.00096	.00000	-.00116	.00016	-.00032	-.00449	.00024	.00457

ARC40X80-462(OA100) OV101 (RNA020) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	5.000
ELEVON =	.300	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 63/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.700	.000	15.55740	5.00000	.69620	.16940	.02410	-.08720	.00800	-.01450
47.800	2.524	15.55920	5.00000	.69840	.17020	.02470	-.10170	.00880	-.00320
47.750	5.005	15.55860	5.00000	.69770	.17220	.02340	-.11300	.00880	.00750
47.700	7.499	15.55630	5.00000	.69470	.17530	.02230	-.12550	.00860	.01960
47.770	10.024	15.56090	5.00000	.70060	.18100	.01910	-.13830	.00860	.03030
47.900	15.058	15.55880	5.00000	.69790	.19460	.01650	-.16400	.00940	.05330
	GRADIENT	.00071	.00000	.00087	.00032	.00024	-.00574	.00032	.00448

ARC40X80-462(OA100) OV101 (RNA02P) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 64/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.710	.000	20.81099	5.00000	1.01520	.34410	.00020	-.07740	.00440	-.02030
48.030	2.524	20.81099	5.00000	1.01510	.34650	-.00440	-.08960	.00240	-.00920
47.850	5.020	20.81439	5.00000	1.01940	.35050	-.00510	-.10040	.00130	-.00070
47.840	7.499	20.81369	5.00000	1.01850	.35370	-.00350	-.11030	.00020	.01050
47.810	10.009	20.81110	5.00000	1.01530	.35880	-.00640	-.12120	-.00210	.02210
47.700	15.073	20.80440	5.00000	1.00680	.37130	-.00750	-.14630	-.00370	.04500
	GRADIENT	.00000	.00000	-.00004	.00099	-.00182	-.00483	-.00079	.00440

ARC40X80-462(OA100) OV101 (RNA02Q) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 65/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.570	.035	.09770	5.00000	.11790	.07830	-.04540	-.09510	.00710	-.00520
47.800	2.559	.09610	5.00000	.11580	.07870	-.04500	-.10220	.00790	.00470
47.770	5.068	.09620	5.00000	.11600	.08020	-.04610	-.11090	.00850	.01470
47.740	7.533	.09890	5.00000	.11940	.08320	-.04730	-.11680	.00870	.02310
47.730	10.043	.09560	5.00000	.11520	.08740	-.04720	-.12530	.00960	03280
47.770	12.896	.08380	5.00000	.10690	.09300	-.04400	-.13930	.01060	.05060
	GRADIENT	-.00063	.00000	-.00083	.00016	.00016	-.00281	.00032	.00392

ARC40X80-462(OA100) OV101 (RNA02R) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 66/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.850	.049	5.29310	5.00000	.36370	.09340	-.05190	-.09690	.00750	-.00730
47.690	2.559	5.29330	5.00000	.36400	.09380	-.05260	-.10510	.00710	.00150
47.780	5.024	5.29510	5.00000	.36620	.09530	-.05400	-.11540	.00800	.01270
47.750	7.518	5.29330	5.00000	.36390	.09880	-.05510	-.12540	.00330	.02290
47.710	10.043	5.29450	5.00000	.36540	.10260	-.05480	-.13450	.00850	.03260
47.610	12.896	5.29640	5.00000	.36780	.11470	-.05430	-.15290	.00840	.05170
	GRADIENT	.00008	.00000	.00012	.00016	-.00028	-.00331	-.00016	.00351

APC40X80-462(OA100) OV101 (RNA02S) (15 APR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1073.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 67/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.830	.049	10.49490	5.00000	.61750	.13600	-.05770	-.09460	.00930	-.01190
47.440	2.559	10.49380	5.00000	.61610	.13700	-.05930	-.10510	.00820	-.00100
47.780	5.068	10.49550	5.00000	.61830	.13930	-.06070	-.11460	.00790	.00860
47.740	7.578	10.49660	5.00000	.61970	.14370	-.06350	-.12670	.00700	.01980
47.710	10.043	10.49480	5.00000	.61740	.14790	-.06540	-.13740	.00610	.03020
47.810	12.896	10.49630	5.00000	.61930	.16350	-.07060	-.15650	.00390	.05190
	GRADIENT	-.00044	.00000	-.00056	.00040	-.00064	-.00418	-.00044	.00434

ARC40X80-462(OA100) OV101 (RNA02T) (15 APR 82)

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	=	.3600									

PARAMETRIC DATA

ALPHA	=	15.000	BETA	=	5.000
ELEVON	=	10.000	BDFLAP	=	.000
SPDBRK	=	25.000	RUDDER	=	.000

RUN NO. 68/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.580	.049	15.70980	5.00000	.88790	.23130	-.06960	-.09220	.00990	-.01320
47.690	2.543	15.71140	5.00000	.88980	.23300	-.06970	-.10490	.00790	-.00340
47.710	5.038	15.71090	5.00000	.88920	.23510	-.07070	-.11690	.00630	.00820
47.740	7.534	15.71150	5.00000	.89000	.23830	-.07190	-.12730	.00490	.01850
47.700	10.058	15.71250	5.00000	.89120	.24400	-.07320	-.13670	.00350	.02760
47.800	12.896	15.70700	5.00000	.88430	.25590	-.07270	-.15350	-.00060	.04720
	GRADIENT	.00064	.00000	.00076	.00068	-.00004	-.00509	-.00080	.00393

ARC40X80-462(OA100) OV101 (RNA02U) (15 APR 82)

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	=	.3600									

PARAMETRIC DATA

ALPHA	=	20.000	BETA	=	5.000
ELEVON	=	10.000	BDFLAP	=	.000
SPDBRK	=	25.000	RUDDER	=	.000

RUN NO. 69/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.550	.054	20.96309	5.00000	1.20650	.43420	-.09340	-.08230	.00480	-.02030
47.680	2.559	20.96489	5.00000	1.20870	.43920	-.09890	-.09290	.00170	-.00910
47.610	5.054	20.95999	5.00000	1.20250	.43910	-.10240	-.10320	-.00180	-.00050
47.460	7.534	20.96539	5.00000	1.20940	.44680	-.10220	-.11190	-.00400	.00840
47.300	10.058	20.95909	5.00000	1.20150	.44860	-.10420	-.12260	-.00720	.01780
47.320	12.896	20.94559	5.00000	1.18450	.45480	-.09940	-.14070	-.01180	.03810
	GRADIENT	.00072	.00000	.00088	.00200	-.00221	-.00425	-.00124	.00449

ARC40X80-462(OA100) OV101 (RNA02V) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 75/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.400	.000	-.04110	10.00000	-.05670	.06010	.03660	-.19480	.01610	-.00990
47.360	2.524	-.04090	10.00000	-.05640	.06010	.03650	-.20150	.01790	.00030
47.470	5.005	-.03870	10.00000	-.05360	.06150	.03420	-.20920	.02000	.00830
47.420	7.514	-.03830	10.00000	-.05360	.06430	.03380	-.21510	.02160	.01790
47.490	10.009	-.03640	10.00000	-.05080	.06800	.03200	-.22260	.02370	.02810
47.360	15.058	-.03750	10.00000	-.05210	.07960	.02830	-.23560	.02700	.04760
	GRADIENT	.00008	.00000	.00012	.00000	-.00004	-.00265	.00071	.00404

ARC40X80-462(OA100) OV101 (RNA02W) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 76/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.750	.000	5.14960	10.00000	.18320	.06250	.03270	-.19640	.01790	-.01490
47.750	2.509	5.15250	10.00000	.18590	.06290	.03190	-.20520	.01960	-.00510
47.660	4.990	5.15210	10.00000	.18640	.06410	.03210	-.21510	.02100	.00580
47.580	7.514	5.15420	10.00000	.18900	.06680	.02920	-.22300	.02230	.01520
47.440	10.024	5.15550	10.00000	.19070	.07170	.02590	-.23180	.02350	.02510
47.440	15.058	5.15870	10.00000	.19460	.08280	.02130	-.25040	.02700	.04610
	GRADIENT	.00050	.00000	.00064	.00032	-.00012	-.00375	.00062	.00415

ARC40X80-462(OA100) OV101 (RNA02X) (15 APR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO			ALPHA =	10.000	BETA =	10.000
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO			ELEVON =	.000	BDFLAP =	.000
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO			SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 77/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.680	.000	10.35210	10.00000	.43790	.09370	.03090	-.19720	.02030	-.02160
47.630	2.509	10.35130	10.00000	.43690	.09420	.02800	-.20620	.02200	-.01180
47.600	5.019	10.34970	10.00000	.43480	.09570	.02940	-.21820	.02250	-.00040
47.450	7.529	10.35210	10.00000	.43790	.09800	.02850	-.22960	.02340	.01060
47.390	10.024	10.35430	10.00000	.44070	.10390	.02560	-.23920	.02380	.02110
47.370	15.058	10.36380	10.00000	.45260	.11720	.01700	-.25910	.02570	.04240
	GRADIENT	-.00032	.00000	-.00040	.00020	-.00116	-.00359	.00068	.00391

ARC40X80-462(OA100) OV101 (RNA02Y) (15 APR 82)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO			ALPHA =	15.000	BETA =	10.000
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO			ELEVON =	.000	BDFLAP =	.000
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO			SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 78/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.490	.000	15.57450	10.00000	.71770	.17540	.00770	-.19340	.02120	-.02680
47.420	2.481	15.57630	10.00000	.71990	.17690	.00640	-.20440	.02150	-.01640
47.490	5.005	15.57790	10.00000	.72190	.17910	.00550	-.21710	.02120	-.00460
47.420	7.514	15.57640	10.00000	.72000	.18210	.00250	-.22720	.02080	.00590
47.270	10.024	15.57920	10.00000	.72360	.18800	.00000	-.23360	.02020	.01810
47.500	15.088	15.58190	10.00000	.72690	.20130	-.00330	-.26410	.02110	.04140
	GRADIENT	.00073	.00000	.00089	.00060	-.00052	-.00443	.00012	.00419

ARC40X80-462(0A100) OV101 (RNA02Z) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 79/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.610	.000	20.82259	10.00000	1.02980	.34040	-.01800	-.19430	.01930	-.02760
47.510	2.510	20.82199	10.00000	1.02900	.34120	-.02030	-.20470	.01800	-.01800
47.470	5.020	20.82559	10.00000	1.03350	.34570	-.02160	-.21530	.01750	-.00690
47.420	7.514	20.82520	10.00000	1.03300	.34890	-.02330	-.22900	.01470	.00570
47.380	10.009	20.82790	10.00000	1.03650	.35530	-.02280	-.23740	.01310	.01470
47.730	15.073	20.82548	10.00000	1.03340	.37080	-.02650	-.25990	.01150	.03720
	GRADIENT	-.00024	.00000	-.00032	.00032	-.00092	-.00414	-.00052	.00382

ARC40X80-462(0A100) OV101 (RNA03A) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 80/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.370	.035	.10890	10.00000	.13200	.07020	-.05180	-.20310	.01890	-.01440
47.290	2.559	.10520	10.00000	.12730	.07030	-.05170	-.21000	.01950	-.00390
47.470	5.053	.10540	10.00000	.12760	.07160	-.05220	-.21820	.02030	.00540
47.510	7.533	.10220	10.00000	.12360	.07470	-.05410	-.22570	.02100	.01520
47.370	10.058	.10200	10.00000	.12320	.07830	-.05400	-.23180	.02170	.02390
47.570	12.896	.09530	10.00000	.11480	.08870	-.05010	-.24540	.02290	.04130
	GRADIENT	-.00147	.00000	-.00186	.00004	.00004	-.00273	.00024	.00416

ARC40X80-462(OA100) OV101 (RNA03B) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPOBRK =	25.000	RUDDER =	.000

RUN NO. 81/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.580	.010	5.30290	10.00000	.37600	.08750	-.05760	-.20650	.02110	-.01830
47.460	2.529	5.29570	10.00000	.36820	.08750	-.05810	-.21530	.02100	-.00720
47.450	5.054	5.29710	10.00000	.36870	.08930	-.05940	-.22600	.02190	.00270
47.340	7.548	5.29960	10.00000	.37180	.09200	-.05870	-.23640	.02230	.01370
47.720	10.043	5.30020	10.00000	.37260	.09570	-.06150	-.24640	.02250	.02210
47.370	12.896	5.30320	10.00000	.37630	.10890	-.06430	-.26240	.02230	.04260
	GRADIENT	-.00246	.00000	-.00310	.00000	-.00020	-.00349	-.00004	.00441

ARC40X80-462(OA100) OV101 (RNA03C) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPOBRK =	25.000	RUDDER =	.000

RUN NO. 82/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.560	.064	10.50020	10.00000	.62420	.13590	-.06600	-.20820	.02380	-.02360
47.530	2.543	10.49990	10.00000	.62380	.13680	-.06630	-.21840	.02310	-.01370
47.500	5.053	10.50610	10.00000	.63160	.14000	-.06920	-.22760	.02300	-.00230
47.540	7.563	10.50840	10.00000	.63450	.14490	-.07310	-.24070	.02220	.00830
47.370	10.043	10.50960	10.00000	.63600	.14930	-.07610	-.25060	.02130	.01760
47.080	12.896	10.51190	10.00000	.63890	.16220	-.07760	-.26660	.01890	.03690
	GRADIENT	-.00012	.00000	-.00016	.00036	-.00012	-.00411	-.00028	.00399

ARC40X80-462(OA100) OV101 (RNA03D) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 83/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.350	.049	15.73260	10.00000	.91660	.24100	-.08600	-.20430	.02370	-.02500
47.310	2.543	15.73400	10.00000	.91830	.24160	-.08690	-.21500	.02110	-.01580
47.290	5.039	15.73690	10.00000	.92190	.24460	-.08690	-.22430	.01950	-.00450
47.380	7.549	15.73080	10.00000	.91430	.24630	-.08960	-.23440	.01740	.00540
47.350	10.028	15.73340	10.00000	.91750	.25160	-.09010	-.24530	.01620	.01470
47.360	12.896	15.73140	10.00000	.91500	.26430	-.09200	-.26070	.01320	.03400
	GRADIENT	.00056	.00000	.00068	.00024	-.00036	-.00429	-.00104	.00369

ARC40X80-462(OA100) OV101 (RNA03E) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 84/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.920	.035	20.98369	10.00000	1.23240	.43340	-.12020	-.20350	.02100	-.02610
47.790	2.559	20.98430	10.00000	1.23320	.43410	-.11920	-.21130	.01820	-.01730
47.750	5.038	20.98329	10.00000	1.23190	.43620	-.11970	-.22120	.01520	-.00660
47.640	7.548	20.98200	10.00000	1.23020	.44010	-.12290	-.23170	.01130	.00240
47.520	10.058	20.97629	10.00000	1.22310	.44200	-.11810	-.24180	.00980	.01210
47.560	12.896	20.97119	10.00000	1.21660	.45350	-.11930	-.25800	.00410	.02990
	GRADIENT	.00024	.00000	.00032	.00023	.00040	-.00309	-.00111	.00349

ARC40X80-462(OA100) OV101 (RNA03F) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 35/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.610	-11.543	-.07780	.00000	-.10290	.07590	.06890	.00320	-.00170	-.00150
47.740	-.201	-.06050	.00000	-.08110	.07160	.05270	.00260	-.00140	-.00150
47.830	.000	-.06130	.00000	-.08210	.07190	.05150	.00250	-.00120	-.00170
47.850	16.360	-.02330	.00000	-.03440	.07310	.02320	.00250	-.00140	-.00170
47.800	22.684	-.00560	.00000	-.01210	.07540	.01070	.00050	-.00110	-.00120
	GRADIENT	-.00399	.00000	-.00498	.00149	-.00598	-.00050	.00100	-.00100

ARC40X80-462(OA100) OV101 (RNA03G) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 36/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.580	-11.543	5.11250	.00000	.13650	.07220	.06600	-.00100	-.00110	-.00210
47.730	-.201	5.13280	.00000	.16200	.07030	.04760	.00010	-.00110	-.00250
47.630	16.561	5.17840	.00000	.21940	.07520	.01750	-.00050	-.00100	-.00110
47.510	22.684	5.19520	.00000	.24060	.08250	.00310	-.00090	-.00100	-.00190
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA03H) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 37/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.700	-11.543	10.31710	.00000	.39390	.09420	.05910	.00110	-.00130	-.00190
47.570	-.100	10.33980	.00000	.42240	.09580	.04110	.00000	-.00120	-.00200
47.350	16.561	10.37830	.00000	.47080	.10620	.01050	-.00020	-.00080	-.00120
47.070	22.684	10.39540	.00000	.49240	.11560	-.00470	-.00030	-.00090	-.00120
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(DECREASING BDFLAP) (RNA03I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 38/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.810	-11.543	10.31770	.00000	.39470	.09380	.06030	.00080	-.00140	-.00180
47.910	-.100	10.33760	.00000	.41970	.09580	.04110	-.00060	-.00130	-.00100
47.740	16.461	10.37720	.00000	.46950	.10620	.01050	.00000	-.00130	-.00120
47.360	22.583	10.39500	.00000	.49190	.11530	-.00500	.00080	-.00110	-.00120
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA03J) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 39/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.330	-11.543	15.52380	.00000	.65390	.16340	.05430	-.00020	-.00150	-.00130
47.320	-.201	15.55310	.00000	.69070	.16990	.03520	-.00040	-.00100	-.00200
47.410	16.360	15.58980	.00000	.73570	.18690	.00450	.00220	-.00100	-.00090
47.490	22.684	15.60380	.00000	.75450	.19630	-.00940	-.00020	-.00100	-.00140
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA03K) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 40/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.330	-11.543	20.80109	.00000	1.00260	.35050	.01160	.00320	-.00170	-.00240
47.120	-.100	20.81999	.00000	1.02650	.36040	-.00720	.00200	-.00230	-.00170
47.470	16.461	20.85300	.00000	1.06800	.38460	-.03970	.00420	-.00140	-.00230
47.930	22.684	20.95309	.00000	1.19390	.40040	.09650	.00200	-.00190	-.00330
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA03L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 41/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.750	.000	-.05120	.00000	-.06930	.06270	.04350	-.00040	-.00070	-.00140
47.510	25.180	-.06280	.00000	-.08400	.07230	.05080	.00180	-.00100	-.00100
47.510	55.459	-.07720	.00000	-.10210	.09610	.07340	-.00010	-.00050	-.00140
47.360	87.628	-.09460	.00000	-.12400	.12390	.09300	.00230	-.00090	-.00210
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA03M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 42/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.450	-.039	5.14040	.00000	.17160	.06150	.04010	-.00130	-.00030	-.00200
47.560	25.179	5.13500	.00000	.16480	.07030	.04330	.00020	-.00070	-.00110
47.560	55.459	5.11380	.00000	.13820	.09200	.07050	.00010	-.00020	-.00240
47.540	87.629	5.09300	.00000	.11200	.11670	.08960	.00080	.00000	-.00280
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA03N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 43/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.640	.039	10.34760	.00000	.43220	.08860	.03380	-.00120	-.00080	-.00180
47.530	25.141	10.34110	.00000	.42400	.09530	.04220	-.00080	-.00100	-.00140
47.100	55.545	10.32230	.00000	.40040	.11500	.06340	.00000	-.00050	-.00270
47.680	87.677	10.30180	.00000	.37460	.13540	.08590	-.00270	-.00050	-.00180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(DECREASING SPDBRK) (RNA030) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 44/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.660	.079	10.34800	.00000	.43270	.09830	.03370	-.00330	-.00060	-.00120
47.720	25.139	10.34010	.00000	.42280	.09560	.04020	.00160	-.00170	-.00180
47.360	55.545	10.32200	.00000	.40000	.11450	.06370	-.00260	-.00040	-.00150
47.610	87.677	10.30160	.00000	.37440	.13550	.08470	-.00210	-.00040	-.00180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (RNA03P) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 48/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.660	-.079	15.56060	.00000	.70020	.16440	.02780	.00070	-.00110	-.00020
47.500	25.100	15.55070	.00000	.68770	.17010	.03330	.00090	-.00120	.00020
47.520	55.329	15.53670	.00000	.67010	.18760	.05520	-.00030	-.00070	-.00010
47.460	87.629	15.51420	.00000	.64180	.20530	.07920	.00010	-.00070	-.00010
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (RNA03Q) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 49/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.680	.040	20.82759	.00000	1.03610	.35490	-.01570	.00450	-.00180	-.00070
47.550	25.100	20.82480	.00000	1.03250	.36160	-.00560	.00330	-.00160	-.00150
47.520	55.415	20.80269	.00000	1.00470	.37370	.01470	.00400	-.00110	-.00120
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (RNA03R) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 101/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.490	-5.240	.00000	-.30710	.09160	.05370	.00450	-.00240	-.00030
47.690	-2.649	.00000	-.19200	.07970	.05110	.00340	-.00120	-.00080
47.600	-.056	.00000	-.07570	.07180	.04890	.00430	-.00150	-.00040
47.720	2.541	.00000	.04690	.06860	.04650	.00280	-.00110	-.00070
47.640	5.139	.00000	.16990	.07060	.04510	.00290	-.00110	-.00060
47.850	7.739	.00000	.29590	.07980	.03900	.00180	-.00120	-.00060
47.600	10.342	.00000	.42530	.09610	.03980	.00120	-.00120	.00020
47.730	12.941	.00000	.54960	.12390	.03870	.00050	-.00100	.00010
47.580	15.556	.00000	.69500	.17050	.03270	-.00030	-.00130	.00050
47.500	18.180	.00000	.85030	.24140	.02080	.00240	-.00190	.00060
47.570	20.826	.00000	1.03380	.36290	-.00710	.00290	-.00160	-.00150
46.010	26.006	.00000	1.25990	.59420	-.00440	.00420	-.00230	-.00140
	GRADIENT	.00000	.04603	-.00214	-.00089	-.00012	.00002	.00002

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (RNA03S) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 102/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.510	-13.000	-.03430	-.04820	.05300	.02700	.25460	-.02050	.00940
47.670	-10.000	-.03790	-.05270	.05820	.03050	.20070	-.01890	.00870
47.610	-5.000	-.04830	-.06570	.06590	.04140	.10010	-.00880	.00350
47.630	-2.000	-.05370	-.07250	.07100	.04730	.04410	-.00460	.00190
47.730	.000	-.05820	-.07820	.07190	.04890	.00450	-.00160	.00080
47.580	2.000	-.05560	-.07490	.07140	.04860	-.03370	.00200	-.00150
47.730	5.000	-.05050	-.06860	.06770	.04300	-.09370	.00670	-.00380
47.630	10.000	-.04280	-.05880	.05970	.03230	-.19450	.01630	-.01080
47.590	15.000	-.03150	-.04460	.05320	.02690	-.28310	.01840	-.01080
47.660	20.000	-.02170	-.03230	.04940	.02330	-.34480	.01620	-.01250
	GRADIENT	-.00026	-.00033	.00017	.00018	-.01939	.00156	-.00075

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (RNA03T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 103/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.560	-13.000	5.15850	.19440	.05830	.02430	.25390	-.02400	.01860
47.650	-10.000	5.15620	.19150	.06130	.02790	.19620	-.01960	.01880
47.600	-5.000	5.14610	.17880	.06770	.03760	.09560	-.00850	.01010
47.660	-2.000	5.13950	.17040	.07070	.04380	.04000	-.00380	.00600
47.650	.000	5.14090	.17220	.07110	.04490	.00140	-.00060	.00280
47.620	2.000	5.13740	.16780	.07030	.04320	-.03710	.00280	-.00040
47.710	5.000	5.14340	.17540	.06810	.03740	-.09530	.00720	-.00560
47.750	10.000	5.14940	.18300	.06190	.02780	-.19750	.01840	-.01470
47.650	15.000	5.15490	.18980	.05770	.02490	-.28450	.02200	-.02330
47.600	20.000	5.14970	.18330	.05680	.02200	-.35190	.02020	-.02520
	GRADIENT	-.00031	-.00038	.00003	-.00004	-.01912	.00158	-.00157

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (RNA03U) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 104/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.610	-13.000	10.35620	.44310	.09060	.02270	.25380	-.02740	.02830
47.590	-10.000	10.35530	.44190	.09210	.02530	.19930	-.02370	.02550
47.560	-5.000	10.34610	.43040	.09410	.03150	.09440	-.01030	.01430
47.520	-2.000	10.34310	.42660	.09550	.03840	.03680	-.00450	.00770
47.450	.000	10.34350	.42700	.09670	.03800	-.00050	-.00090	.00330
47.610	2.000	10.34430	.42810	.09630	.03730	-.03740	.00260	-.00200
47.660	5.000	10.34630	.43060	.09530	.03180	-.09460	.00840	-.01060
47.470	10.000	10.35090	.43640	.06170	.07560	-.19860	.00730	-.02220
47.600	15.000	10.35330	.43940	.09150	.02000	-.28650	.02720	-.03410
47.630	20.000	10.34310	.42660	.09620	.01620	-.35100	.02450	-.03980
	GRADIENT	.00006	.00007	.00013	-.00001	-.01885	.00186	-.00248

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (RNA03V) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 105/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.610	-13.000	15.57470	.71790	.17010	.00440	.24910	-.02860	.03350
47.680	-10.000	15.58040	.72510	.17440	.00380	.19140	-.02210	.02950
47.610	-5.000	15.55980	.69920	.16740	.02510	.08950	-.01070	.01730
47.520	-2.000	15.55560	.69390	.16390	.03130	.03470	-.00450	.00840
47.510	.000	15.55590	.69430	.17130	.03300	-.00250	-.00070	.00260
47.690	2.000	15.55470	.69270	.17040	.03120	-.03780	.00300	-.00410
47.650	5.000	15.55750	.69630	.16950	.02400	-.09030	.00840	-.01350
47.640	10.000	15.57710	.72090	.16860	.01550	-.19180	.01830	-.02550
47.540	15.000	15.58260	.72780	.15470	.03830	-.27930	.01180	-.04000
47.330	20.000	15.56830	.70980	.19960	-.00620	-.31970	.01070	-.03880
	GRADIENT	-.00023	-.00029	.00020	-.00010	-.01800	.00191	-.00309

ARC40X80-462(OA100) OV101(RCS PORTS CLOSED) (RNA03W) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 106/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.510	-13.000	20.83679	1.04770	.34050	-.03000	.24350	-.02210	.03450
47.660	-10.000	20.83179	1.04130	.33990	-.01720	.19240	-.02190	.03360
47.540	-5.000	20.81670	1.02240	.34300	-.00230	.08430	-.00610	.02160
47.630	-2.000	20.82199	1.02890	.35450	-.00310	.03470	-.00260	.01110
47.540	.000	20.82419	1.03180	.35990	-.00160	.00070	-.00030	.00410
47.670	2.000	20.81960	1.02600	.35800	-.00150	-.03610	.00250	-.00420
47.760	5.000	20.80379	1.00600	.34190	.00190	-.08250	.00260	-.01400
47.800	10.000	20.82329	1.03060	.34080	-.01560	-.19350	.01910	-.02300
47.650	15.000	20.82309	1.03040	.27260	.07670	-.27430	-.00620	-.03680
47.520	20.000	20.80010	1.00140	.34950	-.03270	-.30710	.00570	-.04230
	GRADIENT	-.00120	-.00151	.00003	.00042	-.01682	.00093	-.00360

ARC40X80-462(0A100) 0V101 (RNA03X) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000

RUN NO. 88/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.710	-.075	.00000	-.09940	.10440	.06580	-.03690	.02240	-.02830
47.670	10.320	.00000	.39820	.12040	.05590	-.02950	.02070	-.02170
47.790	15.535	.00000	.66820	.19080	.05140	-.02920	.01990	-.01860
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (RNA03Y) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-15.000

RUN NO. 89/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.690	-.072	.00000	-.09580	.10170	.06760	-.02240	.01520	-.02160
47.740	10.326	.00000	.40460	.11870	.05610	-.01710	.01360	-.01780
47.760	15.535	.00000	.66790	.18940	.05130	-.01460	.01330	-.01540
47.760	20.801	.00000	1.00250	.37210	.01520	-.01550	.01370	-.01480
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (RNA03Z) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 90/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.790	-.073	.00000	-.09650	.09630	.07290	.00230	-.00090	-.00130
47.600	5.118	.00000	.14360	.09310	.06790	.00290	-.00060	-.00230
47.860	10.323	.00000	.40140	.11500	.06320	.00170	-.00080	-.00160
47.710	15.537	.00000	.67070	.18720	.05580	.00120	-.00080	-.00110
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (RNA04A) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 91/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.650	-.074	.00000	-.09810	.09630	.07220	.01530	-.00680	.00260
47.790	5.119	.00000	.14500	.09260	.06770	.01380	-.00650	.00140
47.710	10.321	.00000	.39900	.11460	.06240	.01070	-.00620	.00160
47.710	15.535	.00000	.66770	.18580	.05610	.01040	-.00610	.00100
47.720	20.804	.00000	1.00660	.37050	.02080	.01250	-.00590	.00090
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (RNA04B) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	10.000

RUN NO. 92/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.670	-.074	.00000	-.09830	.09620	.07220	.02960	-.01380	.00580
47.690	5.119	.00000	.14440	.09230	.06790	.02640	-.01300	.00370
47.570	10.324	.00000	.40210	.11450	.06120	.02330	-.01250	.00270
47.720	15.537	.00000	.67100	.18630	.05530	.02170	-.01220	.00300
47.780	20.801	.00000	1.00290	.36830	.01840	.02260	-.01270	.00100
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (RNA04C) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	15.000

RUN NO. 93/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.680	-.073	.00000	-.09690	.09720	.07200	.04150	-.01900	.00840
47.710	5.118	.00000	.14370	.09310	.06670	.03690	-.01800	.00580
47.630	10.324	.00000	.40210	.11500	.06150	.03430	-.01740	.00350
47.710	15.539	.00000	.67250	.18620	.05510	.03140	-.01700	.00240
47.670	20.802	.00000	1.00370	.36950	.01690	.03200	-.01730	.00050
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (RNA04D) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	48.000	RUDDER =	19.500

RUN NO. 94/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.870	-.072	.00000	-.09610	.09930	.07290	.05910	-.02710	.01230
47.720	5.119	.00000	.14440	.09440	.06800	.05470	-.02580	.00780
47.720	10.322	.00000	.39990	.11620	.06110	.05020	-.02450	.00540
47.720	15.534	.00000	.66720	.18680	.05480	.04410	-.02370	.00520
47.660	20.804	.00000	1.00590	.37080	.02020	.04640	-.02360	.00190
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (RNA04E) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 95/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.660	-.070	5.00000	-.09350	.09100	.06740	-.09100	.00550	-.00440
47.740	5.125	5.00000	.15240	.08990	.06210	-.09340	.00600	-.00550
47.800	10.327	5.00000	.40650	.11370	.05510	-.09230	.00700	-.01110
47.730	15.538	5.00000	.67150	.18490	.04740	-.09020	.00720	-.01260
47.720	20.789	5.00000	.98740	.35490	.02220	-.07820	.00170	-.01710
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA04F) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 96/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.710	-.070	5.00000	-.09340	.09160	.06940	-.07720	-.00070	-.00060
47.690	5.123	5.00000	.14990	.09030	.06350	-.08000	-.00030	-.00400
47.710	10.328	5.00000	.40710	.11480	.05610	-.07850	.00070	-.01010
47.530	20.790	5.00000	.98910	.35670	.02180	-.06480	-.00360	-.01680
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA04G) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	10.000

RUN NO. 97/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.610	-.071	5.00000	-.09410	.09210	.06930	-.06300	-.00720	.00380
47.710	5.122	5.00000	.14810	.09060	.06390	-.06720	-.00630	-.00120
47.700	10.324	5.00000	.40310	.11480	.05680	-.06850	-.00490	-.00700
47.650	15.535	5.00000	.66740	.18510	.05030	-.06640	-.00450	-.00860
47.590	20.784	5.00000	.98160	.35360	.02040	-.05320	-.01110	-.01700
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA04H) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = 15.000

RUN NO. 98/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.610	-.072	5.00000	-.09610	.09370	.07000	-.05060	-.01310	.00670
47.660	5.123	5.00000	.15000	.09230	.06430	-.05610	-.01220	.00080
47.620	10.325	5.00000	.40330	.11580	.05770	-.05730	-.01010	-.00570
47.620	15.537	5.00000	.67000	.18620	.05030	-.05660	-.01020	-.00950
47.590	20.783	5.00000	.99030	.35440	.02210	-.04290	-.01720	-.01500
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA041) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 48.000 RUDDER = 19.500

RUN NO. 99/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.690	-.073	5.00000	-.09680	.09770	.07390	-.03340	-.02160	.01020
47.690	5.122	5.00000	.14910	.09460	.06760	-.04100	-.02010	.00470
47.750	10.321	5.00000	.39940	.11810	.06260	-.04270	-.01780	-.00320
47.610	15.534	5.00000	.66650	.18950	.05380	-.04020	-.01770	-.00680
47.600	20.780	5.00000	.97630	.35660	.02680	-.02590	-.02440	-.01450
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (RNA04J) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-22.500

RUN NO. 86/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.740	-.064	.00000	-.08510	.09230	.05610	-.04870	.02920	-.03400
47.680	5.131	.00000	.16020	.08360	.05110	-.04360	.02940	-.02810
47.780	10.334	.00000	.41550	.11250	.04370	-.04370	.02870	-.02420
47.680	15.544	.00000	.67950	.18350	.03850	-.04020	.02820	-.02000
47.710	20.747	.00000	.93520	.36960	-.05440	-.04030	.02810	-.01820
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101 (RNA04K) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-15.000

RUN NO. 87/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.720	-.058	.00000	-.07790	.08340	.05040	-.03120	.02010	-.02530
47.690	5.133	.00000	.16180	.08100	.04540	-.02570	.01950	-.02330
47.830	10.338	.00000	.42080	.10530	.04000	-.02470	.01880	-.02020
47.580	15.548	.00000	.68430	.17820	.03260	-.02360	.01880	-.01870
47.630	20.754	.00000	.94350	.36440	-.05840	-.02310	.01930	-.01720
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR (RNA04L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	20.000	RUDDER =	3.000

RUN NO. 108/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.700	-.058	.00000	-.07800	.07530	.04830	.00350	-.00070	-.00050
47.560	5.139	.00000	.16970	.07330	.04450	.00090	-.00080	-.00040
47.530	10.342	.00000	.42500	.09890	.03910	-.00020	-.00060	-.00010
47.540	15.549	.00000	.68540	.17010	.03350	.00310	-.00080	-.00010
47.590	20.797	.00000	.99770	.34200	.00730	.00260	-.00110	-.00080
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR (RNA04M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	20.000	RUDDER =	3.000

RUN NO. 109/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.500	-.051	5.00000	-.06930	.07080	.04570	-.09710	.00550	-.00410
47.670	5.143	5.00000	.17450	.07100	.04020	-.09860	.00640	-.00660
47.630	10.340	5.00000	.42310	.09790	.03380	-.09510	.00750	-.01100
47.390	15.550	5.00000	.68570	.16850	.03010	-.09390	.00920	-.01390
47.870	20.795	5.00000	.99530	.34000	.00760	-.07500	.00240	-.02000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR (RNA04N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	36.500	RUDDER =	-5.500

RUN NO. 110/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.530	-.041	10.00000	-.05610	.06400	.03700	-.19960	.01380	-.00890
47.710	5.146	10.00000	.17840	.06670	.03240	-.19840	.01680	-.01450
47.580	10.344	10.00000	.42750	.09700	.02880	-.19690	.01980	-.02290
47.720	15.577	10.00000	.72030	.18250	.00780	-.19030	.01840	-.02550
47.750	20.818	10.00000	1.02410	.34390	-.01570	-.19240	.01670	-.02690
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP OFF) (RNA040) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 111/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.460	-.059	.00000	-.07970	.07450	.04970	.00320	-.00120	-.00050
47.410	5.135	.00000	.16490	.07300	.04530	.00230	-.00140	-.00080
47.690	10.339	.00000	.42190	.09830	.03850	.00060	-.00100	-.00030
47.610	15.549	.00000	.68590	.16970	.03370	-.00090	-.00110	.00080
47.740	20.797	.00000	.99820	.34160	.00820	.00420	-.00260	-.00090
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101+NOSE GEAR(FTP OFF) (RNA04P) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 112/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.670	-.054	5.00000	-.07260	.07130	.04530	-.09640	.00530	-.00460
47.530	5.142	5.00000	.17330	.07170	.03910	-.09600	.00570	-.00740
47.610	10.342	5.00000	.42550	.09830	.03320	-.09400	.00740	-.01240
47.670	15.546	5.00000	.68200	.15860	.02810	-.09350	.00820	-.01430
47.620	20.797	5.00000	.99780	.34210	.00540	-.07430	.00180	-.02180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) 0V101+NOSE GEAR(FTP OFF) (RNA04Q) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 113/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.710	-.041	10.00000	-.05650	.06420	.03590	-.19900	.01350	-.01090
47.530	5.145	10.00000	.17760	.06650	.03110	-.19690	.01650	-.01670
47.670	10.345	10.00000	.42930	.09750	.02680	-.19420	.01970	-.02480
47.560	15.574	10.00000	.71660	.17670	.01460	-.18950	.01560	-.02750
47.500	20.818	10.00000	1.02410	.28260	.08830	-.19150	-.01120	-.02910
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (RNA04R) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 115/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.390	-.065	.00000	-.08670	.07180	.05110	.00410	-.00120	-.00020
47.850	5.135	.00000	.16420	.07080	.04550	-.00020	-.00080	-.00030
47.660	10.337	.00000	.41870	.09630	.03920	-.00140	-.00090	.00020
47.250	15.545	.00000	.68090	.16810	.03620	-.00570	-.00150	.00160
47.360	20.815	.00000	1.01990	.35420	-.00370	-.00100	-.00210	-.00070
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (RNA04S) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 5.000

RUN NO. 114/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.190	-.061	.00000	-.08180	.07270	.05140	.01960	-.00920	.00460
47.530	5.135	.00000	.16440	.07070	.04810	.01710	-.00900	.00330
47.510	10.334	.00000	.41450	.09620	.04150	.01260	-.00850	.00330
47.530	15.546	.00000	.68200	.16870	.03590	.00990	-.00860	.00250
47.480	20.816	.00000	1.02170	.35580	-.00280	.01250	-.00980	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (RNA04T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 116/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.580	-.062	.00000	-.08310	.07520	.05350	.03580	-.01670	.00770
47.680	5.131	.00000	.15020	.07350	.04780	.03250	-.01680	.00580
47.500	10.332	.00000	.41300	.09830	.04050	.02640	-.01580	.00440
47.710	15.543	.00000	.67860	.17000	.03530	.02440	-.01560	.00320
47.370	20.815	.00000	1.02040	.35830	-.00130	.02880	-.01610	.00100
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (RNA04U) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 117/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.680	-.065	.00000	-.08690	.07980	.05410	.05090	-.02390	.01190
48.020	5.131	.00000	.15920	.07720	.04980	.04690	-.02340	.00850
47.660	10.329	.00000	.40930	.10150	.04370	.03950	-.02220	.00690
47.470	15.544	.00000	.67940	.17330	.03960	.03550	-.02220	.00480
47.650	20.806	.00000	1.00860	.35480	.00080	.03710	-.02300	.00190
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (RNA04V) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 118/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.560	-.067	.00000	-.08910	.08870	.06050	.07360	-.03430	.01730
47.610	5.125	.00000	.15210	.08480	.05590	.06600	-.03310	.01290
47.540	10.330	.00000	.41060	.10830	.04910	.05790	-.03230	.00980
47.740	15.540	.00000	.67480	.17840	.04450	.05500	-.03160	.00680
47.530	20.806	.00000	1.00960	.36350	.00560	.05890	-.03230	.00290
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (RNA04W) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 119/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.790	-.054	5.00000	-.07310	.06810	.04530	-.09090	.00640	-.00600
47.230	5.137	5.00000	.16790	.06810	.04160	-.09240	.00610	-.00910
47.200	10.342	5.00000	.42490	.09480	.03580	-.09270	.00810	-.01340
47.330	15.548	5.00000	.68390	.16640	.02710	-.09100	.00730	-.01550
47.770	20.799	5.00000	.99980	.38820	.00220	-.08170	.00180	-.01930
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (RNA04X) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 120/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.850	-.057	5.00000	-.07710	.06870	.04770	-.07430	-.00160	-.00190
47.610	5.138	5.00000	.16920	.06870	.04270	-.07780	-.00100	-.00460
47.510	10.337	5.00000	.41890	.09530	.03620	-.07960	.00020	-.01020
47.350	15.547	5.00000	.68320	.16680	.02840	-.07830	.00020	-.01300
47.530	20.801	5.00000	1.00230	.34130	.00190	-.06590	-.00560	-.01920
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (RNA04Y) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 121/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.500	-.059	5.00000	-.07930	.07180	.04970	-.05810	-.00950	.00220
47.460	5.138	5.00000	.16920	.07150	.04370	-.06210	-.00900	-.00260
47.440	10.331	5.00000	.41180	.09730	.03930	-.06600	-.00690	-.00720
47.390	15.542	5.00000	.67690	.16880	.03090	-.06550	-.00690	-.01050
47.640	20.796	5.00000	.99590	.34070	.00550	-.05180	-.01340	-.01710
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (RNA04Z) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 122/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.240	-.059	5.00000	-.07950	.07630	.05400	-.04390	-.01690	.00670
47.510	5.131	5.00000	.15930	.07520	.04790	-.04830	-.01600	.00110
47.360	10.331	5.00000	.41170	.10120	.04070	-.05250	-.01400	-.00570
47.540	15.545	5.00000	.68010	.17330	.03420	-.05510	-.01350	-.00850
47.560	20.799	5.00000	1.00070	.34710	.00800	-.04100	-.02060	-.01700
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (RNA05A) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 123/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.490	-.059	5.00000	-.09200	.08580	.05890	-.01980	-.02810	.01260
47.630	5.129	5.00000	.15720	.08320	.05370	-.02920	-.02640	.00550
47.560	10.328	5.00000	.40760	.10840	.04650	-.03410	-.02350	-.00230
47.570	15.536	5.00000	.66990	.18090	.03710	-.03300	-.02360	-.00750
47.670	20.792	5.00000	.99100	.35350	.01080	-.01820	-.02990	-.01540
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A10. OV101(FTP OFF) (RNA05B) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 124/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.470	-.042	10.00000	-.05840	.06080	.03430	-.19410	.01650	-.01020
47.540	5.146	10.00000	.17890	.06270	.03180	-.19630	.01850	-.01530
47.480	10.343	10.00000	.42620	.09360	.02660	-.19890	.02200	-.02310
47.480	15.573	10.00000	.71540	.17600	.00490	-.19520	.02070	-.02550
47.560	20.820	10.00000	1.02610	.34010	-.02240	-.19560	.01970	-.02670
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (RNA05C) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = 5.000

RUN NO. 125/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.480	-.044	10.00000	-.06090	.06080	.03400	-.17880	.00330	-.00660
47.500	5.145	10.00000	.17770	.06300	.03080	-.18290	.01140	-.01200
47.380	10.345	10.00000	.42840	.09330	.02830	-.18540	.01500	-.02040
47.500	15.568	10.00000	.71000	.17470	.00640	-.18320	.01470	-.02380
47.380	20.824	10.00000	1.03170	.34120	-.02120	-.18270	.01300	-.02580
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (RNA05D) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 126/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.500	-.047	10.00000	-.06360	.06250	.03670	-.16030	.00120	-.00250
47.460	5.143	10.00000	.17520	.06450	.03290	-.16800	.00440	-.00950
47.430	10.341	10.00000	.42440	.09490	.02880	-.17140	.00810	-.01890
47.520	15.569	10.00000	.71030	.17580	.00820	-.16790	.00860	-.02350
47.540	20.821	10.00000	1.02730	.34150	-.02030	-.17240	.00690	-.02540
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (RNA05E) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 127/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.540	-.046	10.00000	-.06300	.06560	.03870	-.14600	-.00540	.00060
47.480	5.142	10.00000	.17370	.06670	.03580	-.15660	-.00210	-.00640
47.470	10.340	10.00000	.42280	.09770	.03110	-.15970	.00190	-.01660
47.540	15.567	10.00000	.70810	.17840	.01080	-.15910	.00210	-.02140
47.630	20.816	10.00000	1.02180	.34260	-.01790	-.15650	-.00040	-.02480
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (RNA05F) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 128/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.670	-.050	10.00000	-.06730	.07420	.04850	-.11910	-.01800	.00640
47.620	5.140	10.00000	.17060	.07380	.04330	-.13300	-.01260	-.00280
47.640	10.336	10.00000	.41790	.10240	.03650	-.14030	-.00830	-.01460
47.690	15.561	10.00000	.70080	.18290	.01600	-.14020	-.00870	-.01950
47.600	20.816	10.00000	1.02100	.34800	-.00880	-.13720	-.01070	-.02420
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA05G) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 129/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.710	-.096	.00000	-.12520	.12350	.09230	.00280	-.00090	-.00120
47.550	5.092	.00000	.11050	.11700	.08710	.00260	-.00020	-.00080
47.900	10.298	.00000	.37050	.13590	.08400	.00040	-.00020	-.00160
47.460	15.507	.00000	.63280	.20390	.08030	-.00510	-.00050	.00020
47.690	20.773	.00000	.96740	.38340	.04430	-.00130	-.00140	-.00080
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA05H) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 130/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.410	-.095	.00000	-.12440	.12270	.09440	.01200	-.00600	.00080
47.580	5.091	.00000	.10990	.11700	.08820	.01100	-.00360	-.00050
47.720	10.298	.00000	.37050	.13610	.08300	.00470	-.00310	.00000
47.330	15.509	.00000	.63550	.20460	.08040	.00280	-.00280	.00050
47.700	20.773	.00000	.96730	.38420	.03900	.00510	-.00390	-.00050
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA05I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 131/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.640	-.095	.00000	-.12520	.12260	.09260	.01800	-.00750	.00150
47.560	5.091	.00000	.11000	.11670	.08880	.01660	-.00600	.00030
47.370	10.296	.00000	.36800	.13490	.08290	.00990	-.00520	.00010
47.640	15.503	.00000	.62790	.20190	.07950	.00530	-.00430	.00080
47.580	20.768	.00000	.96140	.37920	.04220	.00490	-.00520	-.00060
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA05J) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 78.500 RUDDER = 6.000

RUN NO. 132/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.510	-.098	.00000	-.12820	.12210	.09310	.02000	-.00830	.00150
47.620	5.091	.00000	.10990	.11660	.08790	.01950	-.00690	-.00040
47.760	10.298	.00000	.37040	.13490	.08130	.01150	-.00570	.00090
47.780	15.506	.00000	.63150	.20210	.07940	.00650	-.00540	.00130
47.810	20.777	.00000	.97210	.38300	.04620	.00950	-.00530	-.00180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA05K) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.000 RUDDER = .000

RUN NO. 133/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.730	-.095	5.00000	-.12400	.11880	.09030	-.08310	.00280	-.00340
47.660	5.099	5.00000	.11980	.11350	.08450	-.08390	.00310	-.00810
47.700	10.298	5.00000	.36990	.13430	.07920	-.08900	.00540	-.00990
47.620	15.505	5.00000	.63060	.20030	.07450	-.08960	.00480	-.01330
47.490	20.756	5.00000	.94640	.36690	.05230	-.07400	-.00430	-.01690
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA05L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 134/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.590	-.091	5.00000	-.11930	.11880	.09150	-.07520	-.00060	-.00150
47.640	5.094	5.00000	.11330	.11390	.08560	-.07850	.00010	-.00560
47.660	10.298	5.00000	.36990	.13470	.07930	-.08120	.00150	-.01040
47.490	15.508	5.00000	.63340	.20210	.07510	-.08140	.00220	-.01290
47.850	20.751	5.00000	.93980	.36530	.05190	-.06690	-.00650	-.01780
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA05M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 135/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.760	-.097	5.00000	-.12660	.12000	.09110	-.06690	-.00350	-.00100
47.690	5.094	5.00000	.11380	.11330	.08980	-.06770	-.00350	-.00530
47.450	10.299	5.00000	.37160	.13520	.08140	-.07580	-.00010	-.01010
47.500	15.507	5.00000	.63300	.20150	.07470	-.07750	-.00040	-.01220
47.670	20.759	5.00000	.94940	.36850	.05540	-.06270	-.00830	-.01690
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA05N) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 78.500 RUDDER = 6.000

RUN NO. 136/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.760	-.094	5.00000	-.12390	.11950	.09040	-.06580	-.00410	-.00040
47.380	5.095	5.00000	.11490	.11390	.08470	-.07120	-.00300	-.00400
47.450	10.299	5.00000	.37100	.13470	.07730	-.07450	-.00150	-.00940
47.670	15.508	5.00000	.63410	.20170	.07420	-.07400	-.00090	-.01190
47.530	20.755	5.00000	.94500	.36620	.04990	-.06150	-.00860	-.01700
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA050) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.000 RUDDER = .000

RUN NO. 137/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.810	-.077	10.00000	-.10230	.10440	.07810	-.19230	.01550	-.00840
47.530	5.108	10.00000	.13130	.10370	.07370	-.19530	.01800	-.01460
47.750	10.306	10.00000	.38040	.12950	.07040	-.20040	.02070	-.02030
47.630	15.529	10.00000	.66010	.20460	.05170	-.19270	.02030	-.02410
47.330	20.781	10.00000	.97770	.36510	.02680	-.19160	.01400	-.02390
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA05P) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 138/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.520	-.078	10.00000	-.10280	.10540	.07750	-.18180	.01140	-.00640
47.860	5.110	10.00000	.13370	.10350	.07330	-.19850	.01490	-.01260
47.790	10.307	10.00000	.38090	.12880	.07050	-.19350	.01820	-.01930
47.490	15.529	10.00000	.66090	.20420	.04890	-.19130	.01760	-.02220
47.890	20.777	10.00000	.97280	.36330	.02630	-.18210	.01250	-.02400
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA05Q) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 139/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.450	-.080	10.00000	-.10530	.10610	.07780	-.17320	.00800	-.00510
47.439	5.109	10.00000	.13170	.10370	.07310	-.18100	.01180	-.01180
47.410	10.307	10.00000	.38170	.12880	.06930	-.18840	.01530	-.01800
47.370	15.529	10.00000	.66070	.20270	.04960	-.18510	.01530	-.02270
47.210	20.780	10.00000	.97650	.36470	.02410	-.17740	.00920	-.02420
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA05R) (15 APR 82)

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 =	.3600			

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 140/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.560	-.078	10.00000	-.10330	.10560	.07950	-.17300	.00730	-.00380
47.130	5.110	10.00000	.13280	.10240	.07440	-.17930	.01110	-.01140
47.600	10.309	10.00000	.38400	.12860	.06850	-.18600	.01500	-.01880
47.540	15.526	10.00000	.65730	.20190	.04850	-.18010	.01500	-.02370
47.910	20.778	10.00000	.97310	.36290	.02590	-.17400	.00910	-.02440
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA05S) (15 APR 82)

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 =	.3600			

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000

RUN NO. 141/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	RUDDER	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.240	-22.907	10.32800	.00000	.40760	.10870	.04730	-.06240	.03110	-.00930
47.740	-15.162	10.33170	.00000	.41230	.10220	.04130	-.04620	.02210	-.00510
47.530	-10.072	10.33640	.00000	.41810	.09910	.03940	-.03180	.01490	-.00440
47.600	-5.054	10.33540	.00000	.41690	.09650	.03790	-.01810	.00720	-.00170
47.530	.043	10.33540	.00000	.41690	.09640	.03790	-.00240	-.00050	.00080
47.640	5.082	10.33550	.00000	.41700	.09640	.03800	.01280	-.00870	.00280
47.570	10.140	10.33360	.00000	.41470	.09870	.03940	.02740	-.01560	.00460
47.570	14.990	10.33310	.00000	.41410	.10170	.04260	.03880	-.02230	.00730
47.430	22.915	10.32910	.00000	.40900	.10810	.04600	.05780	-.03230	.00960
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (RNA05T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 142/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.510	5.150	5.00000	.18310	.05910	.03140	-.09500	.00720	-.00790
47.650	10.351	5.00000	.43600	.08790	.02810	-.09280	.00770	-.01280
47.420	15.562	5.00000	.70240	.16290	.02150	-.09220	.00740	-.01410
47.540	20.810	5.00000	1.01260	.33810	-.01100	-.08160	.00180	-.01940
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (RNA05U) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 143/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.620	-.035	10.00000	-.04840	.05120	.02720	-.18960	.01410	-.00880
47.660	5.154	10.00000	.18870	.05460	.02520	-.19170	.01600	-.01480
47.870	10.354	10.00000	.44010	.08630	.02160	-.19180	.01880	-.02250
47.280	15.576	10.00000	.72010	.16840	.00100	-.18690	.01840	-.02630
47.740	20.824	10.00000	1.03210	.33550	-.02550	-.18810	.01450	-.02630
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (RNA05V) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 144/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.650	-.044	10.00000	-.06040	.06040	.03490	-.19510	.01730	-.01080
47.530	5.147	10.00000	.18020	.06300	.03160	-.19710	.01870	-.01620
47.640	10.349	10.00000	.43460	.09390	.02820	-.19630	.02160	-.02360
47.920	15.574	10.00000	.71700	.17590	.00790	-.19190	.02160	-.02650
47.210	20.816	10.00000	1.02210	.33850	-.01890	-.19540	.01900	-.02650
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR(ADS OFF) (RNA05W) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 145/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.450	-.089	.00000	-.11670	.12700	.08850	.00270	-.00020	-.00100
47.710	5.097	.00000	.11690	.12020	.08580	.00230	-.00040	-.00120
47.790	10.302	.00000	.37470	.13860	.08020	-.00130	-.00020	-.00030
47.640	15.510	.00000	.63700	.20560	.07760	-.00520	-.00020	.00060
47.680	20.754	.00000	.94320	.36920	.05290	.00160	-.00230	-.00120
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (RNA05X) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.000 RUDDER = .000

RUN NO. 146/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.630	-.087	5.00000	-.11420	.12110	.08840	-.08670	.00180	-.00390
47.570	5.102	5.00000	.12330	.11620	.08140	-.09030	.00260	-.00600
47.600	10.304	5.00000	.37730	.13740	.07480	-.09080	.00450	-.01130
47.600	15.506	5.00000	.63190	.20300	.07380	-.08990	.00480	-.01330
47.810	20.751	5.00000	.93960	.35870	.04830	-.06710	-.00510	-.02010
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(ADS OFF) (RNA05Y) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.000 RUDDER = .000

RUN NO. 147/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.690	-.073	10.00000	-.09740	.10750	.07480	-.19600	.01290	-.01020
47.470	5.110	10.00000	.13350	.10770	.07210	-.19540	.01600	-.01610
47.620	10.303	10.00000	.37640	.13390	.06810	-.19710	.01870	-.02250
47.590	15.537	10.00000	.67090	.21280	.04810	-.18980	.01640	-.02570
47.460	20.779	10.00000	.97440	.36200	.03820	-.17910	.00880	-.02770
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP,ADS OFF) (RNA05Z) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 148/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.710	-.050	.00000	-.06750	.06550	.03900	.00160	-.00040	-.00060
47.510	5.148	.00000	.18120	.06410	.03690	-.00160	-.00050	-.00020
47.730	10.347	.00000	.43190	.09100	.02990	-.00220	-.00040	-.00020
47.530	15.559	.00000	.69790	.16410	.02560	-.00140	-.00020	-.00100
47.600	20.802	.00000	1.00370	.33560	-.00070	.00140	-.00160	-.00090
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP,ADS OFF) (RNA06A) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 149/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.470	-.047	5.00000	-.06460	.06220	.03460	-.09520	.00550	-.00440
47.600	5.147	5.00000	.18040	.06270	.02860	-.09680	.00550	-.00730
47.470	10.342	5.00000	.42510	.09010	.02470	-.09380	.00650	-.01070
47.480	15.552	5.00000	.68890	.16260	.01990	-.09230	.00770	-.01380
47.520	20.802	5.00000	1.00420	.33670	-.00700	-.07610	.00090	-.02190
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101+NOSE GEAR(FTP,ADS OFF) (RNA06B) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 150/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.500	-.037	10.00000	-.05130	.05590	.02780	-.19180	.01030	-.00920
47.210	5.149	10.00000	.18200	.05800	.02470	-.19160	.01260	-.01550
47.360	10.344	10.00000	.42730	.09030	.02120	-.19090	.01620	-.02270
47.620	15.575	10.00000	.71860	.17520	.00030	-.18930	.01470	-.02590
47.570	20.823	10.00000	1.03020	.33980	-.02420	-.18330	.01250	-.02890
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (RNA06C) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 151/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.680	-.056	.00000	-.07570	.06280	.04040	.00370	-.00100	.00010
47.610	5.140	.00000	.17090	.06200	.03700	.00050	-.00090	-.00010
47.670	10.340	.00000	.42240	.08800	.03100	-.00370	-.00070	.00110
47.610	15.551	.00000	.68840	.16150	.02450	-.00070	-.00070	.00000
47.690	20.824	.00000	1.03170	.35120	-.01420	-.00010	-.00160	-.00080
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (RNA06D) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 152/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.550	-.057	.00000	-.07680	.06420	.04300	.01910	-.00870	.00420
47.720	5.140	.00000	.17170	.06280	.03930	.01640	-.00870	.00300
47.480	10.340	.00000	.42310	.08950	.03190	.01050	-.00800	.00270
47.580	15.556	.00000	.69390	.16370	.02660	.00980	-.00860	.00280
47.660	20.824	.00000	1.03130	.35110	-.01000	.01360	-.00860	-.00040
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (RNA06E) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 153/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.620	-.054	.00000	-.07330	.06720	.04480	.03260	-.01600	.00820
47.720	5.139	.00000	.17000	.06620	.03970	.02850	-.01570	.00620
47.540	10.338	.00000	.41960	.09210	.03270	.02360	-.01520	.00540
47.750	15.553	.00000	.69070	.16580	.02880	.02170	-.01550	.00400
47.610	20.822	.00000	1.02970	.35260	-.00770	.02870	-.01560	.00030
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (RNA06F) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 15.000

RUN NO. 154/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.520	-.056	.00000	-.07530	.07250	.04870	.04490	-.02120	.01080
47.620	5.138	.00000	.16820	.07110	.04300	.04250	-.02160	.00780
47.750	10.338	.00000	.42000	.09640	.03730	.03490	-.02120	.00690
47.570	15.550	.00000	.68690	.16900	.03110	.03570	-.02180	.00400
47.610	20.822	.00000	1.02900	.35810	-.00580	.03880	-.02240	.00140
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (RNA06G) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 20.500

RUN NO. 155/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.510	-.061	.00000	-.08130	.07840	.05250	.05190	-.02490	.01400
47.600	5.135	.00000	.16490	.07640	.04770	.05040	-.02580	.01010
47.580	10.335	.00000	.41640	.10160	.04110	.04740	-.02580	.00790
47.680	15.550	.00000	.68660	.17460	.03720	.04220	-.02590	.00560
47.440	20.819	.00000	1.02490	.36120	.00080	.04680	-.02690	.00150
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (RNA06H) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 156/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.640	-.047	5.00000	-.06470	.05890	.03800	-.09460	.00690	-.00480
47.700	5.147	5.00000	.17980	.05900	.03380	-.09370	.00710	-.00840
47.530	10.343	5.00000	.42590	.08720	.02940	-.09270	.00750	-.01180
47.450	15.556	5.00000	.69480	.16120	.02210	-.09100	.00700	-.01410
47.670	20.810	5.00000	1.01400	.33680	-.00600	-.08260	.00280	-.02010
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP AND ADS OFF) (RNA061) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 157/ C GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.530	-.050	5.00000	-.06810	.06010	.03960	-.07700	-.00100	-.00200
47.550	5.145	5.00000	.17710	.06020	.03550	-.07840	-.00090	-.00520
47.470	10.342	5.00000	.42470	.08810	.02980	-.08050	.00090	-.00980
47.480	15.554	5.00000	.69230	.16190	.02250	-.07850	.00040	-.01240
47.650	20.806	5.00000	1.00860	.33510	-.00450	-.06710	-.00490	-.01830
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (RNA06J) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 10.000

RUN NO. 158/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.460	-.051	5.00000	-.06950	.06360	.04230	-.06000	-.00880	.00220
47.530	5.145	5.00000	.17680	.06330	.03810	-.06670	-.00790	-.00120
47.310	10.341	5.00000	.42410	.09040	.03290	-.06840	-.00580	-.00730
47.450	15.583	5.00000	.72870	.17860	.02650	-.06610	-.00700	-.01060
47.870	20.783	5.00000	.97950	.31910	-.00240	-.05000	-.01390	-.01700
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (RNA06K) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 15.000

RUN NO. 159/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.480	-.055	5.00000	-.07460	.06820	.04680	-.04700	-.01560	.00680
47.690	5.140	5.00000	.17110	.06740	.04150	-.05260	-.01460	.00190
47.600	10.326	5.00000	.40540	.09200	.03280	-.05620	-.01240	-.00510
47.680	15.549	5.00000	.68600	.16730	.02730	-.05720	-.01270	-.00910
47.830	20.785	5.00000	.98220	.32710	-.00200	-.03770	-.02120	-.01550
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP AND ADS OFF) (RNA06L) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = 20.500

RUN NO. 160/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.360	-.050	5.00000	-.06840	.07400	.05270	-.03940	-.01950	.00810
47.530	5.141	5.00000	.17240	.07350	.04480	-.04400	-.01960	.00320
47.680	10.336	5.00000	.41710	.09940	.03910	-.04620	-.01760	-.00360
47.630	15.547	5.00000	.68320	.17330	.02990	-.04660	-.01830	-.00770
47.440	20.800	5.00000	1.00120	.34760	.00340	-.03070	-.02610	-.01550
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (RNA06M) (15 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 161/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.610	-.038	10.00000	-.05260	.05180	.02820	-.18590	.01350	-.00910
47.540	5.151	10.00000	.18510	.05470	.02500	-.18980	.01540	-.01560
47.550	10.352	10.00000	.43760	.08570	.02150	-.19140	.01810	-.02300
47.970	15.573	10.00000	.71620	.16790	.00150	-.18860	.01840	-.02630
47.730	20.823	10.00000	1.03080	.33380	-.02360	-.18680	.01490	-.02660
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (RNA06N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 162/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.570	-.037	10.00000	-.05110	.05210	.02890	-.17260	.00680	-.00600
47.700	5.151	10.00000	.18450	.05490	.02650	-.17560	.00840	-.01190
47.440	10.349	10.00000	.43440	.08620	.02190	-.17910	.01180	-.02030
47.630	15.572	10.00000	.71440	.16810	.00260	-.17440	.01130	-.02510
47.520	20.823	10.00000	1.03050	.33520	-.02360	-.17610	.00620	-.02610
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(ADS OFF) (RNA060) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 163/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.640	5.150	10.00000	.18310	.05720	.02730	-.16340	.00220	-.01000
47.480	10.348	10.00000	.43270	.08780	.02390	-.16810	.00520	-.01820
47.500	15.575	10.00000	.71780	.17110	.00410	-.16680	.00540	-.02220
47.740	20.820	10.00000	1.02700	.33550	-.02290	-.16730	.00110	-.02550
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA06P) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	15.000

RUN NO. 164/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.630	-.040	10.00000	-.05510	.05810	.03350	-.14520	-.00620	.00100
47.450	5.148	10.00000	.18140	.06030	.03010	-.15220	-.00360	-.00650
47.590	10.346	10.00000	.43030	.09090	.02610	-.15820	-.00050	-.01610
47.510	15.566	10.00000	.70750	.17120	.00520	-.15340	-.00030	-.02220
47.820	20.818	10.00000	1.02440	.33810	-.02190	-.15380	-.00430	-.02430
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA06Q) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	20.500

RUN NO. 165/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.640	-.043	10.00000	-.05950	.06380	.03690	-.13350	-.01160	.00340
47.600	5.147	10.00000	.18040	.06520	.03330	-.14170	-.00900	-.00520
47.570	10.342	10.00000	.42550	.09510	.02930	-.14630	-.00570	-.01480
47.760	15.561	10.00000	.70130	.17500	.00970	-.14600	-.00530	-.02030
47.670	20.817	10.00000	1.02270	.34040	-.01850	-.14510	-.01010	-.02400
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA06R) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 167/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.470	-5.243	.00000	-.31050	.09160	.05620	.00350	-.00150	-.00060
47.570	-2.651	.00000	-.19450	.07970	.05220	.00260	-.00110	-.00050
47.600	-.058	.00000	-.07740	.07170	.05110	.00180	-.00080	-.00060
47.550	2.540	.00000	.04590	.06860	.04950	.00280	-.00070	-.00020
47.580	5.139	.00000	.17020	.07050	.04630	-.00030	-.00050	-.00030
47.810	7.739	.00000	.29510	.07850	.04240	-.00160	-.00080	.00150
47.630	10.342	.00000	.42540	.09610	.04050	-.00120	-.00040	.00000
47.580	11.379	.00000	.47220	.10610	.04050	-.00180	-.00080	.00000
47.690	12.421	.00000	.52520	.11780	.04170	-.00200	-.00080	.00110
47.670	13.462	.00000	.57580	.13160	.03950	-.00220	-.00080	.00100
47.600	14.505	.00000	.62970	.14870	.03810	-.00130	-.00050	.00070
47.680	15.549	.00000	.68600	.16830	.03410	-.00060	-.00080	-.00050
47.520	16.601	.00000	.75160	.19520	.02930	.00040	-.00100	-.00050
47.620	17.651	.00000	.81390	.22420	.02620	.00070	-.00140	.03620
47.520	18.708	.00000	.88530	.26010	.01690	.00120	-.00080	-.00050
47.490	19.768	.00000	.96090	.30580	.00550	-.00060	.00010	-.00030
47.660	20.817	.00000	1.02300	.35630	-.00430	.00060	-.00020	-.00030
	GRADIENT	.00000	.04631	-.00214	-.00050	.00004	.00008	.00006

ARC40X80-462(0A100) DV101(ADS OFF) (RNA06S) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 47/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.360	-5.233	-5.00000	-.29790	.08410	.05370	.10560	-.00960	-.00080
94.320	-2.640	-5.00000	-.18060	.07270	.05110	.10420	-.00910	.00060
94.430	-.047	-5.00000	-.06450	.06580	.04810	.10270	-.00870	.00250
94.430	2.550	-5.00000	.05830	.06300	.04620	.10150	-.00880	.00480
94.430	5.148	-5.00000	.18090	.06650	.04320	.10050	-.00910	.00540
94.320	7.747	-5.00000	.30610	.07650	.03990	.10330	-.01010	.00650
94.550	10.348	-5.00000	.43290	.09490	.03710	.10120	-.01140	.00990
94.320	11.396	-5.00000	.49270	.10540	.03490	.09940	-.01160	.01160
94.410	12.437	-5.00000	.54460	.11750	.03550	.09720	-.01150	.01230
94.660	13.479	-5.00000	.59740	.13220	.03380	.09720	-.01220	.01350
94.570	14.522	-5.00000	.65120	.14980	.03240	.09790	-.01230	.01340
94.550	15.570	-5.00000	.71190	.17140	.02960	.09620	-.01190	.01410
94.360	16.617	-5.00000	.77110	.19770	.02420	.09590	-.01060	.01310
94.270	17.676	-5.00000	.84520	.23230	.01630	.09330	-.00860	.01150
94.500	18.727	-5.00000	.91020	.26970	.00870	.08840	-.00700	.01280
94.570	19.777	-5.00000	.97240	.30660	.00240	.08820	-.00630	.01440
94.590	20.820	-5.00000	1.02690	.35630	-.00050	.09640	-.01210	.01540
94.340	21.861	-5.00000	1.07770	.40140	-.00590	.10130	-.01540	.01710
	GRADIENT	-.00000	.04603	-.00187	-.00094	-.00052	.00006	.00081

ARC40X80-462(OA100) OV101(ADS OFF) (RNA06T) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 168/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.490	-5.236	2.00000	-.30160	.09030	.05540	-.03790	.00200	-.00010
47.640	-2.648	2.00000	-.19100	.07860	.05100	-.03550	.00210	-.00060
47.650	-.056	2.00000	-.07590	.07140	.04970	-.03630	.00270	-.00160
47.620	2.539	2.00000	.04440	.06830	.04720	-.03750	.00270	-.00120
47.610	5.139	2.00000	.16990	.07000	.04490	-.03970	.00300	-.00140
47.580	7.739	2.00000	.29630	.07850	.04030	-.03970	.00280	-.00260
47.630	10.339	2.00000	.42130	.09570	.03970	-.03760	.00270	-.00430
47.580	11.382	2.00000	.47590	.10570	.03910	-.03850	.00300	-.00480
47.620	12.421	2.00000	.52410	.11760	.03960	-.03940	.00320	-.00300
47.510	13.462	2.00000	.57590	.13180	.03820	-.03850	.00320	-.00310
47.530	14.508	2.00000	.63450	.14970	.03620	-.03830	.00310	-.00290
47.560	15.551	2.00000	.68840	.16970	.03300	-.03810	.00280	-.00450
47.730	16.598	2.00000	.74690	.19450	.02780	-.03720	.00260	-.00380
47.530	17.653	2.00000	.81630	.22500	.02340	-.03670	.00140	-.00390
47.600	18.709	2.00000	.88640	.26000	.01860	-.03310	.00020	-.00280
47.740	19.762	2.00000	.95310	.30200	.00630	-.03250	-.00100	-.00450
47.450	20.817	2.00000	1.02290	.35700	-.00480	-.03350	.00150	-.00690
	GRADIENT	.00000	.04538	-.00199	-.00073	-.00037	.00012	-.00012

ARC40X80-462(0A100) OV101(ADS OFF) (RNA06U) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 169/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.530	-5.219	10.00000	-.28090	.07660	.04000	-.19570	.01630	-.00530
47.640	-2.630	10.00000	-.16910	.06570	.03750	-.19590	.01610	-.00810
47.640	-.041	10.00000	-.05680	.06030	.03440	-.19460	.01700	-.01090
47.710	2.553	10.00000	.06170	.05870	.03370	-.19490	.01760	-.01270
47.620	5.146	10.00000	.17930	.06240	.03120	-.19770	.01910	-.01550
47.620	7.650	10.00000	.18320	.06240	.00420	-.19500	.01740	-.01520
47.620	10.348	10.00000	.43260	.09290	.02710	-.19680	.02160	-.02310
47.740	11.389	10.00000	.48410	.10380	.02440	-.19680	.02190	-.02510
47.600	12.433	10.00000	.53950	.11660	.02170	-.19590	.02250	-.02620
47.480	13.480	10.00000	.59890	.13200	.01800	-.19490	.02320	-.02780
47.500	14.523	10.00000	.65260	.15220	.01180	-.19600	.02250	-.02650
47.620	15.575	10.00000	.71810	.17530	.00470	-.19310	.02090	-.02589
47.600	16.625	10.00000	.78090	.20240	.00210	-.18950	.01920	-.02520
47.500	17.671	10.00000	.83920	.23170	.00060	-.18670	.01830	-.02640
47.550	18.721	10.00000	.90200	.26380	-.00300	-.19090	.01830	-.02710
47.530	19.768	10.00000	.95160	.28870	.00570	-.19260	.01310	-.02610
47.670	20.819	10.00000	1.02520	.31320	.02400	-.19380	.00630	-.02610
	GRADIENT	-.00000	.04453	-.00135	-.00073	.00019	.00029	-.00089

ARC40X80-462(0A100) OV101(ADS OFF) (RNA06V) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 166/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.850	-.063	10.00000	-.08360	.08110	.06010	-.19310	.01700	-.01120
47.460	5.129	10.00000	.15760	.08350	.05490	-.19530	.01890	-.01610
47.510	10.327	10.00000	.40670	.11080	.04880	-.19900	.02170	-.02300
47.600	15.553	10.00000	.69020	.18930	.02780	-.19360	.02040	-.02640
47.540	20.804	10.00000	1.00670	.35080	.00200	-.19480	.01840	-.02640
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(ADS OFF) (RNA06W) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 170/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.520	-5.246	.00000	-.31400	.10120	.05670	-.02160	.00900	.03880
47.570	-2.655	.00000	-.19980	.08910	.05230	-.02420	.00800	.03910
47.500	-.063	.00000	-.08420	.08090	.05010	-.02860	.00750	.03980
47.400	2.539	.00000	.04260	.07720	.04970	-.03120	.00620	.04060
47.470	5.136	.00000	.16630	.07940	.04580	-.03600	.00490	.04220
47.370	7.735	.00000	.29120	.08730	.03590	-.04070	.00350	.04340
47.510	10.336	.00000	.41780	.10480	.04150	-.04340	.00200	.04400
47.670	12.934	.00000	.54130	.13230	.04080	-.04510	.00020	.04470
47.560	15.548	.00000	.68460	.17920	.03310	-.04770	-.00130	.04680
47.370	18.171	.00000	.83960	.24880	.02140	-.04890	-.00340	.04600
47.610	20.811	.00000	1.01460	.36330	-.00140	-.04270	-.00790	.04340
47.440	25.982	.00000	1.23030	.59050	.00510	-.02640	-.01370	.03590
	GRADIENT	.00000	.04668	-.00229	-.00050	-.00135	-.00035	.00029

ARC40X80-462(OA100) OV101(ADS OFF) (RNA06X) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 171/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.650	-13.000	10.34100	.42390	.09690	.02930	.21640	-.02620	.07160
47.520	-10.000	10.33820	.42050	.09840	.03340	.15550	-.02050	.06700
47.410	-2.000	10.33620	.41790	.10470	.04180	-.00650	-.00160	.05080
47.410	.000	10.33440	.41560	.10480	.04250	-.04030	.00190	.04480
47.600	5.000	10.34450	.42840	.10410	.03320	-.13550	.01160	.03140
47.380	10.000	10.35610	.44290	.10370	.02070	-.24150	.02540	.02080
47.390	15.000	10.36440	.45330	.10560	.01120	-.32690	.02720	.01340
47.200	20.000	10.34170	.42480	.11650	.00820	-.35050	.01400	.00590
	GRADIENT	.00135	.00170	-.00010	-.00135	-.01855	.00190	-.00275

ARC40X80-462(OA100) OV101+TUFTS (ADS OFF) (RNA06Y) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 172/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
9.590	-.074	.00000	-.09860	.09690	.07210	.00630	-.00080	-.00100
9.630	5.120	.00000	.14600	.09450	.07590	.00760	-.00120	-.00250
9.660	10.325	.00000	.40390	.11710	.07420	.00730	-.00140	-.00230
9.630	15.532	.00000	.66480	.18350	.06720	.00440	-.00110	-.00260
9.490	20.764	.00000	.95600	.32930	.02980	.00390	-.00050	-.00370
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 173/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
19.020	-.074	.00000	-.09820	.09580	.07520	.00340	-.00030	-.00090
19.040	5.117	.00000	.14260	.09270	.07280	.00230	-.00080	-.00120
19.090	10.324	.00000	.40210	.11620	.06890	.00080	-.00070	-.00040
19.080	15.531	.00000	.66330	.18670	.05510	.00090	-.00080	-.00160
19.090	20.782	.00000	.97880	.34560	.02820	-.00400	.00320	-.00140
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 174/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.410	-5.253	.00000	-.32330	.11640	.07910	.00150	-.00100	-.00130
47.630	-2.664	.00000	-.21070	.10420	.07560	.00190	-.00060	-.00030
47.490	-.074	.00000	-.09760	.09580	.07340	.00260	-.00070	-.00100
47.330	2.522	.00000	.02310	.09190	.07080	.00330	-.00050	-.00150
47.640	5.119	.00000	.14460	.09240	.06760	.00170	-.00040	-.00130
47.460	7.720	.00000	.27120	.09940	.06530	-.00120	-.00030	-.00070
47.660	10.323	.00000	.40100	.11540	.06170	-.00170	-.00050	.00050
47.580	12.922	.00000	.52580	.14150	.06430	-.00120	-.00070	-.00050
47.590	15.533	.00000	.66490	.18520	.05830	-.00190	-.00030	.00000
47.610	18.150	.00000	.81210	.24870	.05010	-.00010	.00110	-.00210
47.580	20.791	.00000	.99030	.35640	.02490	-.00780	.00560	-.00200
47.190	25.987	.00000	1.23630	.60310	.01960	-.00100	.00040	-.00350
	GRADIENT	.00000	.04508	-.00237	-.00093	.00027	.00002	-.00023

ARC40X80-462(OA100) OV101+TUFTS (ADS OFF) (RNA06Z) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 175/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
47.750	-5.249	5.00000	-.31880	.11080	.07150	-.09040	.00490	-.00310
47.650	-2.660	5.00000	-.20680	.09790	.06920	-.09100	.00510	-.00370
47.580	-.070	5.00000	-.09250	.09070	.06750	-.09060	.00510	-.00480
47.400	2.526	5.00000	.02790	.08780	.06460	-.08990	.00520	-.00710
47.470	5.122	5.00000	.14830	.08960	.06160	-.09180	.00550	-.00790
47.640	7.725	5.00000	.27870	.09730	.05760	-.09380	.00590	-.01010
47.450	10.326	5.00000	.40520	.11360	.05390	-.09400	.00720	-.01120
47.530	12.928	5.00000	.53360	.13980	.05390	-.09170	.00830	-.01350
47.690	15.537	5.00000	.67000	.16280	.05050	-.09260	.00870	-.01330
47.480	18.155	5.00000	.81840	.24700	.04320	-.08810	.00730	-.01240
47.590	20.788	5.00000	.98650	.35670	.02200	-.07970	.00200	-.01910
47.360	25.983	5.00000	1.23140	.59090	.01600	-.09180	.01430	-.01890
	GRADIENT	.00000	.04525	-.00195	-.00089	.00021	.00002	-.00066

ARC40X80-462(OA100) OV101 (RNA07A) (16 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 176/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.180	-.048	5.00000	-.06490	.06660	.04970	-.09490	.00730	-.00900
94.280	5.145	5.00000	.17690	.06740	.04200	-.09590	.00720	-.00990
94.750	10.344	5.00000	.42730	.09530	.03800	-.09390	.00870	-.01350
94.370	15.559	5.00000	.69770	.16980	.03180	-.09510	.01000	-.01400
94.330	20.825	5.00000	1.03260	.35220	-.00210	-.08920	.00610	-.01760
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101 (RNA07B) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 177/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.560	-5.240	.00000	-.30690	.09170	.05950	.00120	-.00170	-.00090
94.350	-2.649	.00000	-.19240	.07940	.05770	.00120	-.00140	-.00150
94.170	-.056	.00000	-.07550	.07130	.05500	.00080	-.00110	-.00170
94.450	2.541	.00000	.04700	.06770	.05300	.00070	-.00090	-.00150
94.510	5.138	.00000	.16850	.06980	.04770	.00050	-.00130	-.00250
94.320	7.738	.00000	.29480	.07800	.04500	.00100	-.00130	-.00180
94.710	10.348	.00000	.43240	.09650	.04290	-.00100	-.00080	-.00090
94.310	12.946	.00000	.55620	.12530	.04480	-.00070	-.00050	.00020
94.310	15.557	.00000	.69520	.17140	.03700	.00050	-.00060	-.00010
94.550	18.382	.00000	.85260	.24060	.02720	-.00330	.00070	.00020
	GRADIENT	.00000	.04612	-.00225	-.00091	-.00010	.00010	.00000

ARC40X80-462(OA100) OV101 (RNA07C) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 178/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.190	-5.234	-5.00000	-.29870	.08550	.05310	.10000	-.00940	.00030
94.480	-2.643	-5.00000	-.18420	.07370	.05020	.10090	-.00900	.00180
94.510	-.049	-5.00000	-.06700	.06640	.04900	.09870	-.00850	.00280
94.470	2.548	-5.00000	.05550	.06360	.04770	.09860	-.00860	.00470
94.270	5.145	-5.00000	.17740	.06700	.04270	.09770	-.00900	.00610
94.160	7.746	-5.00000	.30390	.07710	.03930	.09970	-.01000	.00710
94.150	10.349	-5.00000	.43400	.09480	.03630	.09780	-.01140	.01120
94.370	12.957	-5.00000	.56930	.12390	.03260	.09380	-.01110	.01410
94.300	15.565	-5.00000	.70570	.16610	.02810	.08970	-.01070	.01570
94.200	18.196	-5.00000	.87040	.24450	.01480	.08590	-.00700	.01280
94.170	20.818	-5.00000	1.02400	.35920	-.00170	.09660	-.01260	.01290
	GRADIENT	-.00000	.04618	-.00195	-.00048	-.00044	.00008	.00056

ARC40X80-462(OA100) OV101 (RNA07D) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 179/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.250	-5.223	-10.00000	-.28490	.07820	.04520	.19890	-.01790	.00250
94.150	-2.632	-10.00000	-.17140	.06690	.04200	.20010	-.01810	.00570
94.300	-.039	-10.00000	-.05450	.05970	.03970	.20050	-.01850	.00900
94.240	2.556	-10.00000	.06519	.05810	.03650	.19980	-.01920	.01240
94.350	5.153	-10.00000	.18800	.06190	.03420	.20060	-.02030	.01390
94.130	7.751	-10.00000	.31070	.07270	.03320	.20080	-.02140	.01800
94.300	10.357	-10.00000	.44440	.09300	.03020	.19970	-.02320	.02360
94.440	12.965	-10.00000	.57990	.12460	.02170	.19710	-.02530	.02780
94.390	15.580	-10.00000	.72420	.17340	.01430	.19190	-.02320	.02920
94.270	18.201	-10.00000	.87740	.24110	.00060	.18410	-.01900	.02790
94.070	20.817	-10.00000	1.02240	.35340	-.02580	.20140	-.02760	.01670
	GRADIENT	-.00000	.04559	-.00170	-.00106	-.00006	-.00021	.00129

ARC40X80-462(OA100) OV101+NOSE GEAR (RNA07E) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 180/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.090	-.048	5.00000	-.06510	.07050	.04530	-.09450	.00680	-.01080
94.260	5.141	5.00000	.17270	.07100	.03860	-.09500	.00690	-.01290
94.500	10.345	5.00000	.42910	.09840	.03230	-.09390	.00840	-.01600
94.420	15.558	5.00000	.69700	.17160	.02930	-.09520	.00950	-.01690
94.220	20.813	5.00000	1.01740	.35240	.00050	-.08110	.00370	-.02190
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR (RNA07F) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 181/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.260	-5.240	.00000	-.30670	.09520	.05600	.00170	-.00120	-.00390
94.390	-2.648	.00000	-.19140	.08270	.05300	.00250	-.00110	-.00360
94.370	-.055	.00000	-.07470	.07410	.05270	.00250	-.00080	-.00410
93.980	2.539	.00000	.04420	.07100	.04720	.00200	-.00060	-.00460
94.500	5.138	.00000	.16910	.07240	.04660	.00140	-.00100	-.00430
94.490	7.739	.00000	.29570	.08050	.04190	.00060	-.00130	-.00450
94.370	10.347	.00000	.43180	.09910	.03970	-.00080	-.00080	-.00310
94.240	12.946	.00000	.55640	.12790	.04120	-.00050	-.00070	-.00180
94.570	15.556	.00000	.69490	.17370	.03440	-.00070	-.00080	-.00190
94.180	18.173	.00000	.84130	.23630	.02670	-.00330	-.00050	-.00150
94.140	20.804	.00000	1.00630	.35580	.00520	.00210	-.00330	-.00360
	GRADIENT	.00000	.04542	-.00226	-.00112	-.00010	.00010	-.00019

ARC40X80-462(0A100) OV101+NOSE GEAR (RNA07G) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 182/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.130	-.047	-5.00000	-.06400	.07000	.04530	.10270	-.00620	.00090
94.180	5.147	-5.00000	.18050	.07080	.03950	.10010	-.00720	.00350
94.460	10.351	-5.00000	.43610	.09810	.03380	.09730	-.01020	.00840
94.200	15.563	-5.00000	.70270	.17290	.02940	.09450	-.01050	.01310
94.470	20.815	-5.00000	1.02010	.36090	-.00460	.09230	-.00960	.01240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101+NOSE GEAR (RNA07H) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 183/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.320	-.038	-10.00000	-.05240	.06430	.03940	.20690	-.01450	.00740
94.380	5.152	-10.00000	.18630	.06580	.03340	.20330	-.01730	.01290
94.250	10.356	-10.00000	.44250	.09730	.03020	.20130	-.02070	.02280
94.220	15.581	-10.00000	.72530	.18000	.01280	.19240	-.02140	.02870
94.530	20.834	-10.00000	1.04470	.35010	-.01940	.19170	-.01890	.02830
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (RNA07I) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 184/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.150	-.052	5.00000	-.07030	.06760	.04670	-.09370	.00650	-.00560
94.290	5.140	5.00000	.17150	.06750	.04200	-.09650	.00770	-.00840
94.410	10.342	5.00000	.42530	.09590	.03540	-.09780	.00950	-.01310
94.530	15.560	5.00000	.69950	.17080	.02660	-.09530	.01020	-.01520
94.310	20.818	5.00000	1.02420	.34950	-.00730	-.09110	.00460	-.01740
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (RNA07J) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 185/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.060	-5.240	.00000	-.30680	.09170	.05630	.00040	-.00180	-.00420
94.520	-2.649	.00000	-.19240	.07910	.05410	.00040	-.00190	-.00450
94.500	-.060	.00000	-.08090	.07130	.05320	.00170	-.00150	-.00480
93.980	2.537	.00000	.04130	.06790	.04980	.00130	-.00150	-.00460
94.070	5.133	.00000	.16250	.06980	.04670	.00010	-.00150	-.00470
93.670	7.736	.00000	.29170	.07760	.04340	-.00120	-.00120	-.00420
94.470	10.340	.00000	.42310	.09620	.04040	-.00320	-.00100	-.00300
94.200	12.941	.00000	.54970	.12460	.04080	-.00300	-.00090	-.00330
95.730	15.555	.00000	.69260	.17090	.03180	-.00220	-.00130	-.00350
94.370	18.182	.00000	.85360	.24230	.02120	-.00580	-.00060	-.00270
94.420	20.822	.00000	1.02950	.36360	-.00520	-.00160	-.00070	-.00690
	GRADIENT	.00000	.04507	-.00216	-.00083	.00017	.00008	-.00002

ARC40X80-462(OA100) OV101(FTP OFF) (RNA07K) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 186/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.190	-.053	-5.00000	-.07110	.06640	.04760	.10030	-.00880	-.00070
93.830	5.144	-5.00000	.17640	.06730	.04150	.09810	-.00920	.00220
93.970	10.346	-5.00000	.43070	.09470	.03540	.09520	-.01080	.00820
94.430	15.562	-5.00000	.70260	.16960	.02790	.09250	-.01190	.01060
94.150	20.819	-5.00000	1.02540	.35650	-.00780	.09630	-.01400	.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (RNA07L) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 187/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.450	-.040	-10.00000	-.05550	.06200	.03530	.18910	-.02500	.01990
94.330	5.151	-10.00000	.18500	.06300	.03310	.19300	-.02410	.02130
94.270	10.353	-10.00000	.43910	.09260	.03110	.20010	-.02380	.02160
94.420	15.574	-10.00000	.71660	.17170	.01560	.19370	-.02410	.02690
94.200	20.827	-10.00000	1.03490	.33950	-.01780	.19090	-.02120	.02590
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(0A100) OV101(FTP OFF) (RNA07M) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 188/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
94.160	-.073	.00000	-.09630	.09430	.07450	.00230	-.00140	-.00130
94.210	5.117	.00000	.14210	.09090	.06820	.00000	-.00130	-.00190
94.200	10.325	.00000	.40420	.11430	.06260	-.00190	-.00110	-.00110
94.330	15.539	.00000	.67370	.18710	.05580	-.00280	-.00070	-.00030
94.070	20.805	.00000	1.00720	.37700	.01620	.00130	-.00170	-.00400
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC40X80-462(OA100) OV101(FTP OFF) (RNA07N) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	22.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 189/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.810	-13.000	10.55230	.68980	.15000	-.10990	.26070	-.02990	.02920
47.640	-10.000	10.55350	.69130	.15250	-.10670	.20550	-.02520	.02120
47.530	-5.000	10.53930	.67340	.15280	-.10070	.09530	-.01100	.01120
47.240	-2.000	10.53680	.67020	.15500	-.09480	.03600	-.00400	.00390
47.530	.000	10.53670	.67010	.15630	-.09510	-.00040	-.00040	-.00150
47.480	2.000	10.53580	.66830	.15590	-.09620	-.03760	.00400	-.01040
47.380	5.000	10.53490	.66790	.15230	-.10140	-.09560	.00770	-.01820
47.450	10.000	10.54590	.68170	.15400	-.11410	-.20270	.02280	-.02860
47.380	20.000	10.53400	.66660	.15410	-.11680	-.36930	.02930	-.04540
	GRADIENT	-.00041	-.00052	-.00001	-.00011	-.01899	.00189	-.00303

ARC40X80-462(OA100) OV101(FTP OFF) (RNA07O) (15 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 190/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.560	-13.000	10.48500	.60510	.13270	-.05470	.26140	-.02920	.01700
47.640	-10.000	10.48410	.60400	.13410	-.05280	.20840	-.02600	.01650
47.550	-5.000	10.47300	.58990	.13500	-.04520	.09800	-.01160	.00730
47.650	-2.000	10.46590	.58110	.13560	-.03840	.03880	-.00490	.00030
47.360	.000	10.46350	.57810	.13490	-.03740	-.00170	-.00030	-.00360
47.420	2.000	10.46720	.58260	.13510	-.03930	-.03900	.00360	-.00960
47.500	5.000	10.47040	.58670	.13580	-.04780	-.09640	.00880	-.01960
47.340	10.000	10.47820	.59650	.13490	-.05730	-.20550	.02310	-.02760
47.490	15.000	10.48130	.60040	.13640	-.05940	-.29090	.02650	-.03830
47.330	20.000	10.46300	.57740	.13850	-.06420	-.35160	.02410	-.04870
	GRADIENT	-.00018	-.00022	.00005	-.00026	-.01944	.00205	-.00266

ARC40X80-462(OA100) OV101 (RNA07P) (15 APR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 85/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.990	-13.000	10.36050	.44850	.08470	.02240	.24430	-.02210	.02650
47.900	-10.000	10.35670	.44370	.08530	.02260	.19470	-.02040	.02140
47.590	-5.000	10.35060	.43600	.08650	.02980	.09470	-.00960	.01130
47.840	-2.000	10.34730	.43180	.08800	.03470	.03610	-.00430	.00560
47.790	.000	10.34500	.42900	.08890	.03600	-.00020	-.00100	.00100
47.800	2.000	10.34700	.43150	.08860	.03490	-.03740	.00260	-.00460
47.750	5.000	10.34830	.43390	.08740	.02990	-.08880	.00680	-.01410
47.630	10.000	10.35780	.44510	.08580	.02150	-.19170	.01740	-.02280
47.530	15.000	10.35930	.44700	.08610	.01920	-.27810	.02180	-.03120
	GRADIENT	-.00016	-.00019	.00010	.00002	-.01835	.00165	-.00254

ARC40X80-462(OA100) OV101 (RNA07Q) (15 APR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000

RUN NO. 100/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
47.610	-13.000	10.34010	.42280	.20870	-.15120	.18740	-.03810	-.44060
47.820	-10.000	10.33610	.41770	.11060	.04530	.19680	-.02270	.02580
47.670	-5.000	10.32700	.40640	.11340	.05230	.08840	-.00750	.01500
47.670	-2.000	10.32420	.40280	.11540	.05960	.03360	-.00350	.00800
47.600	.000	10.32430	.40290	.11580	.06220	-.00080	.00000	.00340
47.560	2.000	10.32280	.40110	.11560	.06140	-.03680	.00270	-.00140
47.750	5.000	10.32720	.40660	.11440	.05470	-.09190	.00720	-.00820
47.670	10.000	10.33270	.41350	.11120	.04560	-.20070	.02230	-.02040
47.610	15.000	15.34150	.42460	.09000	.00880	-.29530	.02010	-.03030
47.680	20.000	15.33100	.41140	.10420	-.01830	-.36080	.02210	-.03330
	GRADIENT	-.00003	-.00004	.00009	.00027	-.01797	.00148	-.00231

OA100 TARE+INTF+BLKGE 1 (ZNA0;A) (28 APR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 4/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
19.120	-5.245	19.61100	-.28682	.08142	.03963	.00400	-.00107	.00058	1.02568
19.020	-2.655	19.51146	-.17697	.07304	.03744	.00341	-.00088	.00029	1.02584
19.080	-.066	19.57046	-.06872	.06798	.03377	.00302	-.00078	.00019	1.02571
19.180	2.532	19.67197	.05038	.06743	.03385	.00127	-.00078	-.00019	1.02565
19.180	5.128	19.66353	.16787	.07052	.03086	.00215	-.00049	-.00088	1.02521
19.170	7.734	19.64106	.29803	.07908	.02859	-.00224	-.00078	.00078	1.02457
19.110	10.337	19.58968	.42299	.09645	.02628	-.00166	-.00068	.00088	1.02510
18.960	12.937	19.47654	.54422	.12369	.02619	-.00088	-.00117	.00058	1.02724
18.920	15.552	19.52854	.68194	.16885	.02111	.00097	-.00068	-.00058	1.03216
19.050	20.801	20.08807	.96308	.32110	-.01489	-.00133	-.00171	-.00038	1.05449
18.940	26.000	20.85099	1.15042	.53420	-.01756	-.00372	-.00082	-.00009	1.10090
	GRADIENT	.03095	.04384	-.00108	-.00069	-.00041	.00002	-.00009	-.00004

RUN NO. 5/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
52.070	-5.245	53.41478	-.28698	.08190	.03528	.00156	-.00146	-.00049	1.02583
52.240	-2.653	53.59234	-.17453	.07304	.03338	.00205	-.00146	-.00029	1.02589
52.220	-.062	53.56272	-.06375	.06789	.03264	.00224	-.00097	-.00010	1.02571
52.220	2.535	53.54887	.05400	.06686	.03195	.00146	-.00107	-.00049	1.02545
52.260	5.135	53.55369	.17605	.06958	.02896	.00156	-.00117	-.00137	1.02476
52.330	7.735	53.60993	.29875	.07879	.02502	-.00010	-.00078	-.00059	1.02446
52.190	10.341	53.47687	.42815	.09580	.02467	-.00117	-.00078	-.00020	1.02466
52.250	12.939	53.66408	.54733	.12371	.02535	-.00049	-.00049	-.00039	1.02706
52.080	15.553	53.74238	.68210	.16812	.01853	-.00078	-.00048	-.00068	1.03192
52.310	20.819	55.41622	.98073	.34246	-.01837	.00236	-.00113	-.00302	1.05938
49.060	26.008	54.09206	1.15711	.54201	-.01572	-.00163	-.00036	.00063	1.10257
	GRADIENT	-.00838	.04406	-.00119	-.00028	-.00011	.00008	-.00004	-.00008

OA100 TARE+INTF+BLKGE 1 (ZNA01A) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 7/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.180	-5.245	96.60947	-.28698	.08180	.03736	.00058	-.00146	-.00127	1.02580
94.780	-2.654	97.21970	-.17582	.07266	.03487	.00195	-.00127	-.00078	1.02574
95.030	-.061	97.44262	-.06231	.06684	.03481	.00215	-.00107	-.00088	1.02539
94.450	2.539	96.83311	.05957	.06629	.03169	.00068	-.00098	-.00137	1.02523
94.520	5.136	96.84619	.17724	.06920	.02987	.00049	-.00127	-.00185	1.02461
94.340	7.737	96.61484	.30197	.07804	.02701	.00000	-.00117	-.00146	1.02411
94.570	10.345	96.90954	.43290	.09677	.02518	-.00244	-.00107	-.00068	1.02474
94.610	12.943	97.16355	.55214	.12440	.02645	-.00010	-.00107	-.00029	1.02699
95.400	15.559	98.44964	.69030	.17024	.01960	-.00058	-.00126	-.00048	1.03197
92.940	18.182	96.73799	.83304	.23673	.00950	.00135	-.00115	-.00029	1.04087
	GRADIENT	-.07452	.04533	-.00123	-.00061	-.00024	.00006	-.00011	-.00010

OA100 TARE+INTF+BLKGE 1(DECREASING ALPHA) (ZNA01B) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 6/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
52.300	-5.243	53.65329	-.28540	.08190	.03586	.00263	-.00166	.00010	1.02588
51.950	-2.652	53.29364	-.17414	.07294	.03222	.00136	-.00117	.00000	1.02586
51.990	-.064	53.32282	-.06590	.06770	.03157	.00068	-.00049	-.00010	1.02564
51.990	2.533	53.31835	.05205	.06714	.03127	.00156	-.00098	-.00029	1.02555
52.180	5.136	53.48000	.17729	.07015	.02622	-.00020	-.00078	-.00020	1.02491
51.950	7.735	53.21349	.29928	.07841	.02357	.00010	-.00107	-.00029	1.02432
52.360	10.339	53.66492	.42628	.09637	.02154	-.00127	-.00078	.00039	1.02492
52.100	12.938	53.50465	.54553	.12304	.02506	-.00204	-.00068	.00039	1.02696
52.080	15.553	53.73896	.68302	.16813	.01805	-.00262	-.00058	-.00019	1.03185
52.200	20.822	55.29317	.98434	.34335	-.01695	.00208	-.00094	-.00094	1.05926
	GRADIENT	.00476	.04362	-.00112	-.00018	.00004	.00004	-.00006	-.00008

OA100 TARE+INTF+BLKGE 1 (ZNA01C) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 2/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
18.990	-5.093	19.48801	-.10049	.07834	-.05068	.00409	-.00078	.00000	1.02623
18.990	-2.501	19.48905	.01103	.07677	-.05062	.00370	-.00117	-.00010	1.02628
19.140	.091	19.63352	.12408	.07789	-.05441	.00361	-.00058	.00029	1.02578
19.090	2.687	19.58125	.24113	.08518	-.05560	.00224	-.00078	-.00088	1.02573
19.080	5.288	19.55280	.36453	.09522	-.05750	.00205	-.00078	-.00156	1.02478
19.050	7.890	19.50894	.48924	.11158	-.06139	.00078	-.00078	-.00049	1.02409
19.090	10.489	19.56552	.60988	.13727	-.06491	.00078	-.00039	-.00078	1.02491
19.020	13.095	19.53852	.73712	.17470	-.06633	.00127	-.00029	-.00088	1.02726
18.970	15.701	19.59077	.86223	.22725	-.07823	.00097	-.00039	-.00107	1.03272
19.040	20.963	20.13802	1.15391	.41119	-.11184	-.00217	-.00066	-.00208	1.05767
18.900	26.117	20.91254	1.27674	.61546	-.08580	-.00497	-.00117	.00235	1.10648
	GRADIENT	.01776	.04435	.00162	-.00096	-.00028	.00008	-.00015	-.00011

RUN NO. 8/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.540	-5.091	48.78609	-.09903	.07825	-.05298	.00107	-.00175	-.00039	1.02621
47.620	-2.500	48.86268	.01239	.07620	-.05352	.00205	-.00146	-.00136	1.02610
47.640	.091	48.86742	.12331	.07779	-.05407	.00058	-.00097	-.00127	1.02576
47.600	2.688	48.81802	.24204	.08481	-.05586	.00176	-.00127	-.00117	1.02559
47.620	5.284	48.80864	.35988	.09520	-.06096	.00010	-.00107	-.00127	1.02496
47.580	7.890	48.71708	.48952	.11101	-.06331	-.00098	-.00088	-.00107	1.02390
47.470	10.489	48.63756	.61065	.13644	-.06245	-.00107	-.00078	-.00078	1.02460
47.430	13.093	48.72326	.73517	.17421	-.06551	.00107	-.00068	-.00117	1.02727
47.540	15.704	49.08607	.86676	.22798	-.07104	.00513	-.00087	-.00252	1.03252
47.490	20.973	50.49298	1.15972	.43114	-.11196	.00508	-.00188	-.00329	1.06323
45.130	26.111	50.03353	1.26838	.61787	-.08347	-.00487	-.00244	.00090	1.10865
	GRADIENT	-.00861	.04427	.00166	-.00045	-.00006	.00004	.00004	-.00010

OA100 TARE+INTF+BLKGE 1 (ZNA01C) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 14/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCOU
94.550	-5.093	97.02333	-.10098	.07815	-.05287	.00088	-.00127	-.00068	1.02616
94.050	-2.501	96.50732	.01084	.07630	-.05426	.00049	-.00088	-.00166	1.02613
94.680	.090	97.10326	.12235	.07722	-.05582	.00088	-.00127	-.00195	1.02559
94.710	2.690	97.11734	.24394	.08443	-.05819	.00205	-.00146	-.00195	1.02542
94.230	5.291	96.53682	.36835	.09476	-.06125	.00107	-.00127	-.00264	1.02448
94.260	7.891	96.52356	.49074	.11159	-.06425	.00166	-.00137	-.00156	1.02401
94.350	10.495	96.66685	.61721	.13771	-.06487	.00039	-.00088	-.00146	1.02456
94.610	13.098	97.20066	.74083	.17604	-.06870	.00029	-.00078	-.00078	1.02738
93.190	15.690	96.13768	.84987	.22003	-.07474	.00233	-.00107	-.00165	1.03163
94.180	18.341	98.19149	1.02261	.31220	-.08854	.00038	-.00173	-.00019	1.04259
92.530	20.984	98.63413	1.16950	.44382	-.11227	.00629	-.00272	-.00375	1.06597
	GRADIENT	.11746	.04491	.00157	-.00076	.00030	-.00011	-.00006	-.00014

OA100 TARE+INTF+BLKGE 1 (ZNA01D) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 3/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCOU
18.910	-5.410	19.39397	-.48922	.10464	.12803	.00478	-.00166	-.00068	1.02559
19.080	-2.818	19.57079	-.37691	.08808	.12905	.00634	-.00185	-.00136	1.02572
19.140	-.221	19.63014	-.25912	.07466	.12421	.00605	-.00176	-.00107	1.02561
19.110	2.371	19.60116	-.14681	.06701	.12380	.00263	-.00117	-.00078	1.02570
19.110	4.965	19.59629	-.03155	.06262	.12131	.00117	-.00107	-.00088	1.02545
19.180	7.564	19.66358	.08846	.06308	.12100	.00068	-.00078	-.00078	1.02521
19.120	10.174	19.61410	.22309	.07236	.12107	-.00058	-.00107	-.00068	1.02584
19.060	12.770	19.59936	.33907	.09146	.12062	.00107	-.00117	-.00097	1.02830
18.880	15.379	19.50047	.47034	.12439	.11527	-.00106	-.00126	-.00048	1.03286
18.900	20.638	19.93494	.76906	.25788	.07831	.00247	-.00066	-.00171	1.05476
18.990	25.855	20.82536	.98811	.45329	.06581	-.00228	-.00009	-.00347	1.09665
	GRADIENT	.00183	.04427	-.00324	-.00091	-.00073	.00011	.00007	-.00003

OA100 TARE+INTF+BLKGE 1 (ZNA01D) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 9/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.480	-5.409	48.69477	-.48825	.10444	.12808	.00146	-.00215	-.00117	1.02559
47.600	-2.819	48.81698	-.37853	.08780	.12540	.00273	-.00244	-.00078	1.02557
47.420	-.225	48.63257	-.26362	.07495	.12367	.00263	-.00166	-.00224	1.02557
47.530	2.371	48.74461	-.14654	.06653	.12142	-.00010	-.00117	-.00107	1.02555
47.300	4.967	48.49528	-.02980	.06205	.11992	.00088	-.00078	-.00185	1.02527
47.530	7.568	48.72569	.09422	.06308	.11793	-.00059	-.00078	-.00176	1.02516
47.500	10.176	48.71777	.22528	.07189	.11792	-.00088	-.00127	-.00185	1.02564
47.570	12.771	48.91233	.34124	.09147	.11746	-.00058	-.00088	-.00165	1.02822
47.460	15.385	49.02481	.47813	.12602	.11220	.00165	-.00116	-.00174	1.03297
47.490	20.650	50.20505	.78121	.26864	.07988	.00123	-.00095	-.00208	1.05717
47.810	25.857	52.50252	.98967	.45823	.06966	.00055	-.00219	-.00073	1.09815
	GRADIENT	-.03287	.04482	-.00330	-.00072	-.00032	.00021	-.00008	-.00003

RUN NO. 15/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.710	-5.412	97.12295	-.49201	.10474	.13200	.00166	-.00224	-.00166	1.02548
94.220	-2.818	96.62909	-.37774	.08771	.12709	.00341	-.00224	-.00078	1.02557
93.990	-.223	96.39689	-.26127	.07485	.12428	.00234	-.00185	-.00127	1.02561
94.430	2.374	96.82811	-.14315	.06586	.12322	.00098	-.00117	-.00107	1.02540
94.520	4.969	96.88638	-.02688	.06128	.12123	.00020	-.00078	-.00166	1.02504
94.610	7.572	96.96253	.09873	.06232	.11906	.00029	-.00107	-.00205	1.02487
94.380	10.178	96.79707	.22762	.07199	.11746	.00000	-.00107	-.00146	1.02561
94.800	12.775	97.47286	.34591	.09196	.11982	-.00010	-.00117	-.00039	1.02819
94.870	15.391	97.99995	.48461	.12718	.11473	.00048	-.00145	-.00068	1.03299
95.210	18.018	99.22580	.63310	.18509	.10182	.00144	-.00230	-.00048	1.04218
94.570	20.660	100.16682	.79209	.27786	.07899	.00038	-.00217	-.00179	1.05918
88.500	25.862	97.40763	.99305	.46672	.06657	.00000	-.00173	.00000	1.10065
	GRADIENT	.04635	.04510	-.00340	-.00072	-.00042	.00020	-.00009	-.00007

OA100 TARE+INTF+BLKGE ((ZNAOIE) (28 APR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 16/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
19.200	-13.000	19.57389	-.02569	.04764	.01113	.25160	-.02266	.01236	1.01947
19.160	-10.000	19.55714	-.03330	.05169	.01582	.19408	-.01783	.01136	1.02073
19.070	-5.000	19.53082	-.05350	.06283	.02846	.09813	-.00908	.00859	1.02417
19.050	-2.000	19.53517	-.06376	.06713	.03485	.04105	-.00458	.00683	1.02547
19.080	.000	19.57231	-.06394	.06818	.03884	.00234	-.00127	.00487	1.02580
19.040	2.000	19.52768	-.06483	.06760	.03933	-.03500	.00185	.00224	1.02561
19.130	5.000	19.59627	-.05895	.06359	.03225	-.09215	.00635	-.00264	1.02437
19.150	10.000	19.55571	-.04034	.05323	.02051	-.19076	.01557	-.00754	1.02119
19.110	15.000	19.47605	-.02963	.04667	.01486	-.27964	.02011	-.01256	1.01916
19.040	20.000	19.39861	-.02502	.04561	.00663	-.34991	.01580	-.00510	1.01884
	GRADIENT	.00538	-.00051	.00008	.00048	-.01903	.00155	-.00113	.00002

RUN NO. 21/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.590	-13.000	48.55489	-.03214	.05024	.01087	.24817	-.02068	.00892	1.02028
47.590	-10.000	48.61896	-.03856	.05458	.01516	.19626	-.01860	.01008	1.02162
47.630	-5.000	48.77118	-.05224	.06216	.02567	.09717	-.00898	.00381	1.02396
47.520	-2.000	48.72590	-.05948	.06675	.03178	.04135	-.00468	.00166	1.02538
47.490	.000	48.71031	-.06180	.06779	.03304	.00351	-.00146	.00068	1.02570
47.480	2.000	48.69239	-.06308	.06732	.03129	-.03462	.00176	-.00185	1.02553
47.630	5.000	48.79332	-.05095	.06359	.02683	-.09283	.00615	-.00508	1.02442
47.510	10.000	48.56978	-.04205	.05679	.01633	-.19309	.01673	-.01086	1.02231
47.500	15.000	48.46684	-.02685	.05044	.01078	-.27961	.01774	-.01068	1.02035
47.680	20.000	48.59348	-.01776	.04658	.00510	-.34960	.01491	-.00844	1.01916
	GRADIENT	.00075	-.00001	.00014	.00008	-.01900	.00153	-.00089	.00005

RUN NO. 45/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.290	-13.000	96.28407	-.02653	.05295	.01295	.24786	-.02047	.00911	1.02115
94.680	-10.000	96.80422	-.03334	.05708	.01742	.19258	-.02073	.01809	1.02244
94.410	-5.000	96.73110	-.04372	.06398	.02558	.11780	-.01347	.00264	1.02459
94.780	-2.000	97.19429	-.05411	.06694	.03179	.03979	-.00575	.00741	1.02547
94.730	.000	97.16237	-.05556	.06761	.03393	.00302	-.00185	.00575	1.02568
94.410	2.000	96.80537	-.05051	.06656	.03239	-.03335	.00137	.00283	1.02537
94.180	5.000	96.47238	-.04392	.06321	.02774	-.09138	.00664	-.00312	1.02434
94.590	10.000	96.65782	-.03219	.05525	.02135	-.16666	.02417	-.03885	1.02186
94.450	15.000	96.49549	-.01898	.05449	.00481	-.20702	.02026	-.07596	1.02166
92.340	20.000	94.53740	-.01670	.06122	-.01752	-.26402	.02207	-.07892	1.02380
	GRADIENT	-.03571	.00011	-.00008	.00021	-.02055	.00198	-.00065	-.00002

OA100 TARE+INTF+BLKGE 1(DECREASING BETA) (ZNA01F) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 22/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.510	-13.000	48.47511	-.02989	.05034	.01215	.24924	-.02107	.00892	1.02031
47.470	-10.000	48.49219	-.03768	.05429	.01536	.19441	-.01831	.00852	1.02153
47.610	-5.000	48.75326	-.05341	.06235	.02421	.09668	-.00869	.00205	1.02401
47.600	-2.000	48.80939	-.05948	.06684	.02875	.03920	-.00400	-.00059	1.02541
47.430	.000	48.65067	-.06043	.06789	.03031	.00127	-.00107	-.00127	1.02574
47.440	2.000	48.65274	-.05888	.06732	.02846	-.03725	.00244	-.00410	1.02556
47.550	5.000	48.70398	-.05642	.06321	.02322	-.09353	.00683	-.00781	1.02427
47.490	10.000	48.54473	-.04313	.05650	.01476	-.19526	.01732	-.01282	1.02221
47.540	15.000	48.51080	-.02508	.05063	.01048	-.27988	.01735	-.01176	1.02042
47.670	20.000	48.59917	-.01883	.04764	.00451	-.34743	.01432	-.00883	1.01949
	GRADIENT	-.00965	-.00024	.00009	-.00009	-.01903	.00156	-.00097	.00003

OA100 TARE+INTF+BLKGE 1 (ZNA01G) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 17/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
19.180	-13.000	19.56961	.20317	.05735	.01072	.25247	-.02538	.02009	1.02031
19.120	-10.000	19.52271	.19656	.05926	.01444	.19313	-.01949	.01587	1.02106
19.080	-5.000	19.54179	.18102	.06815	.02689	.09402	-.00869	.01103	1.02420
19.070	-2.000	19.55062	.17324	.07081	.03515	.03911	-.00449	.00673	1.02520
19.070	.000	19.55208	.17401	.07110	.03642	.00059	-.00117	.00341	1.02528
19.060	2.000	19.53872	.17462	.07063	.03516	-.03717	.00215	.00098	1.02512
19.080	5.000	19.54269	.17857	.06815	.03118	-.09392	.00722	-.00381	1.02425
19.070	10.000	19.48065	.18991	.06031	.01844	-.19118	.01782	-.01370	1.02153
19.020	15.000	19.40402	.19898	.05666	.01612	-.28054	.02274	-.02205	1.02019
19.010	20.000	19.40557	.19269	.05820	.00954	-.35109	.02057	-.01900	1.02081
	GRADIENT	-.00033	-.00016	-.00001	.00037	-.01883	.00160	-.00148	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA01G) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 23/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.780	-13.000	48.77423	.19994	.05869	.01115	.24892	-.02322	.01940	1.02081
47.770	-10.000	48.80148	.19734	.06099	.01662	.19959	-.01703	.00793	1.02159
47.550	-5.000	48.68390	.18675	.06740	.02304	.09259	-.00908	.00586	1.02385
47.560	-2.000	48.74608	.17758	.07025	.02935	.03873	-.00449	.00293	1.02494
47.450	.000	48.64480	.17607	.07091	.02993	-.00088	-.00088	.00020	1.02518
47.560	2.000	48.75244	.17853	.07073	.02827	-.03785	.00273	-.00312	1.02507
47.430	5.000	48.57024	.18769	.06807	.02186	-.09209	.00654	-.00996	1.02404
47.670	10.000	48.73398	.19309	.06300	.01260	-.19417	.01839	-.01682	1.02232
47.470	15.000	48.46805	.20117	.05946	.00920	-.28040	.02155	-.02243	1.02103
47.450	20.000	48.52150	.19509	.06396	-.01038	-.33191	.02777	-.04234	1.02258
	GRADIENT	-.00958	.00011	.00007	-.00014	-.01856	.00160	-.00157	.00002

OA100 TARE+INTF+BLKGE 1 (ZNA01H) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 18/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
19.060	-13.000	19.49345	.44684	.09256	.00757	.25471	-.02904	.02894	1.02274
19.090	-10.000	19.53372	.43998	.09310	.01167	.19155	-.02218	.02658	1.02324
19.100	-5.000	19.57270	.42811	.09609	.02307	.09232	-.01054	.01542	1.02475
19.180	-2.000	19.66369	.42304	.09682	.03154	.03502	-.00468	.00985	1.02522
19.060	.000	19.54084	.42284	.09682	.03330	.00166	-.00117	.00283	1.02523
19.110	2.000	19.59180	.42451	.09702	.03183	-.03492	.00244	-.00195	1.02521
19.080	5.000	19.55007	.42465	.09522	.02649	-.09115	.00791	-.00995	1.02464
19.110	10.000	19.55546	.43790	.09300	.01626	-.19202	.02042	-.02101	1.02331
19.050	15.000	19.49607	.43756	.09328	.00795	-.28376	.02668	-.02990	1.02342
19.040	20.000	19.52359	.42501	.09769	.00754	-.34845	.02458	-.03326	1.02540
	GRADIENT	-.00443	-.00025	-.00007	.00030	-.01823	.00184	-.00259	-.00001

OA100 TARE+INTF+BLKGE 1 (ZNA01H) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 24/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.700	-13.000	48.79084	.44415	.09255	.00702	.24764	-.02679	.03001	1.02287
47.950	-10.000	49.05566	.44455	.09322	.01151	.19393	-.02297	.02317	1.02306
48.370	-5.000	43.54289	.43574	.09565	.01783	.09109	-.01006	.01172	1.02425
47.570	-2.000	48.76200	.42593	.09674	.02418	.03395	-.00449	.00507	1.02506
47.530	.000	48.72171	.42954	.09733	.02467	-.00215	-.00059	.00137	1.02507
47.440	2.000	48.62054	.42971	.09676	.02360	-.03747	.00273	-.00507	1.02489
47.660	5.000	48.83716	.43116	.09639	.01716	-.09242	.00810	-.01230	1.02470
47.390	10.000	48.51444	.44114	.09482	.01064	-.19439	.02169	-.02276	1.02373
47.510	15.000	48.61966	.44521	.09427	.00536	-.28240	.02599	-.03225	1.02336
47.500	20.000	48.70852	.43513	.09934	.00028	-.34278	.02409	-.04008	1.02544
	GRADIENT	-.06572	-.00026	.00006	-.00008	-.01828	.00181	-.00242	.00003

RUN NO. 46/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.480	-13.000	96.65590	.45453	.09469	.00978	.24349	-.02737	.03539	1.02303
94.340	-10.000	96.52630	.45339	.09497	.01369	.19518	-.02443	.03040	1.02317
94.410	-5.000	96.70215	.44275	.09682	.01914	.09275	-.01162	.01865	1.02428
94.550	-2.000	96.88137	.43722	.09717	.02470	.03543	-.00507	.01132	1.02466
94.270	.000	96.62218	.43476	.09773	.02567	.00039	-.00127	.00537	1.02495
94.360	2.000	96.69986	.43551	.09735	.02333	-.03503	.00244	-.00088	1.02480
94.430	5.000	96.75559	.43851	.09727	.02021	-.08959	.00839	-.00927	1.02463
94.550	10.000	97.06402	.44380	.10430	-.00185	-.14874	.02240	-.06429	1.02659
94.610	15.000	96.39800	.44725	.08035	.03396	-.19462	.01158	-.10806	1.01890
94.360	20.000	96.57951	.43009	.09249	.02561	-.25217	.00606	-.09966	1.02352
	GRADIENT	-.00165	-.00043	.00005	.00004	-.01815	.00198	-.00283	.00003

OA100 TARE+INTF+BLKGE 1 (ZNA011) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 19/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
19.000	-13.000	19.57496	.70018	.16722	-.01360	.24460	-.02990	.03378	1.03026
19.100	-10.000	19.68973	.70364	.17003	-.00981	.18858	-.02406	.02639	1.03088
19.000	-5.000	19.58650	.68299	.16499	.00871	.09080	-.01057	.01348	1.03087
19.000	-2.000	19.60947	.67706	.16741	.02004	.03759	-.00514	.00901	1.03208
18.980	.000	19.59973	.67019	.16761	.02100	-.00048	-.00097	.00213	1.03265
19.070	2.000	19.69137	.67566	.16869	.02032	-.03545	.00291	-.00320	1.03258
18.980	10.000	19.57588	.69815	.17034	-.00738	-.18722	.02085	-.02492	1.03140
19.000	15.000	19.59469	.69589	.16948	-.01378	-.27557	.02860	-.03966	1.03130
18.930	20.000	19.62605	.69405	.18633	-.02220	-.32611	.01939	-.04080	1.03677
	GRADIENT	.01272	-.00132	.00050	.00167	-.01811	.00193	-.00243	.00026

RUN NO. 25/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.510	-13.000	48.95037	.71392	.17081	-.00686	.23983	-.02737	.03329	1.03032
47.800	-10.000	49.27246	.71591	.17286	-.00289	.18849	-.02231	.02483	1.03080
48.000	-5.000	49.47314	.68990	.16609	.01438	.08848	-.01038	.01407	1.03069
48.090	-2.000	49.61090	.68578	.16807	.02202	.03461	-.00494	.00533	1.03163
47.970	.000	49.50202	.68509	.16889	.02114	-.00145	-.00068	.00019	1.03194
47.910	2.000	49.45055	.68165	.16876	.02327	-.03691	.00349	-.00591	1.03216
47.890	5.000	49.38577	.68478	.16658	.01670	-.08718	.00844	-.01581	1.03123
47.470	10.000	48.96519	.70855	.17323	-.00656	-.18711	.02046	-.02521	1.03150
47.450	15.000	48.98261	.71139	.17648	-.01343	-.27085	.02441	-.03555	1.03230
47.650	20.000	49.54282	.69371	.19552	-.01863	-.30508	.01020	-.03943	1.03972
	GRADIENT	-.01306	-.00058	.00007	.00024	-.01761	.00191	-.00296	.00007

OA100 TARE+INTF+BLKGE 1 (ZNA01J) (28 APR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 20/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
19.180	-13.000	20.13210	.98125	.31220	-.03677	.23408	-.02468	.03296	1.04964
19.130	-10.000	20.07251	.97455	.30869	-.02144	.18527	-.02669	.02935	1.04927
19.100	-5.000	20.09762	.97095	.31676	-.01511	.07622	-.00304	.01435	1.05223
19.140	-2.000	20.18998	.96550	.32308	-.00919	.03290	-.00246	.00863	1.05486
19.220	.000	20.28526	.96290	.32395	-.00796	-.00237	-.00208	.00152	1.05543
19.130	2.000	20.18456	.96885	.32508	-.00786	-.02985	.00104	-.00360	1.05513
19.100	5.000	20.10635	.96834	.31728	-.01140	-.07524	.00047	-.01206	1.05269
19.010	10.000	20.00060	.97325	.31717	-.02832	-.18230	.01844	-.02538	1.05211
19.040	15.000	20.01274	.98437	.31786	-.04557	-.26525	.02226	-.03587	1.05109
19.000	20.000	20.06176	.96522	.32617	-.05152	-.31481	.01458	-.03978	1.05588
	GRADIENT	.00057	-.00011	.00011	.00037	-.01522	.00042	-.00270	.00005

RUN NO. 26/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.490	-13.000	49.92180	1.00253	.32468	-.04095	.23050	-.02112	.03301	1.05121
47.730	-10.000	50.21589	.99485	.32469	-.02866	.18373	-.01987	.02794	1.05208
47.590	-5.000	50.18452	.98079	.32735	-.01494	.08288	-.00578	.01555	1.05452
47.600	-2.000	50.35301	.98660	.33975	-.01366	.03290	-.00321	.00652	1.05784
47.560	.000	50.37466	.98639	.34385	-.01327	.00198	-.00066	.00038	1.05918
47.630	2.000	50.43805	.98244	.34175	-.01355	-.03126	.00198	-.00642	1.05896
47.700	5.000	50.36218	.96974	.32752	-.01066	-.07587	.00398	-.01733	1.05581
47.640	10.000	50.17076	.98902	.32589	-.02835	-.18469	.01937	-.02488	1.05312
47.620	15.000	50.07216	.99227	.32192	-.03961	-.25982	.01969	-.03738	1.05149
47.420	20.000	50.24219	.94540	.33062	-.04318	-.28522	.00462	-.03983	1.05951
	GRADIENT	.01825	-.00110	.00008	.00037	-.01590	.00102	-.00328	.00015

OA100 TARE+INTF+BLKGE 1 (ZNA01K) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 10/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-35.000	48.97144	-.42456	.13886	.18478	.00889	-.00203	.00410	1.03098
47.500	-30.000	48.98306	-.41246	.12739	.18319	.00778	-.00160	.00633	1.03122
47.500	-25.000	48.93778	-.41620	.11397	.19054	.00408	-.00190	.00400	1.03027
47.500	-20.000	48.87357	-.40425	.09756	.18504	.00247	-.00145	.00170	1.02892
47.500	-15.000	48.72714	-.34663	.08304	.15909	.00434	-.00176	-.00094	1.02583
47.500	-10.000	48.71604	-.25453	.07423	.12075	.00375	-.00168	-.00109	1.02560
47.500	-5.000	48.70668	-.15707	.06934	.07742	.00496	-.00194	-.00145	1.02540
47.500	.000	48.71671	-.06058	.06751	.03132	.00290	-.00116	-.00067	1.02582
47.500	5.000	48.71109	.03086	.07057	-.01209	.00262	-.00126	-.00057	1.02550
47.500	10.000	48.72390	.11762	.07756	-.05287	.00335	-.00147	-.00122	1.02577
47.500	15.000	48.71127	.20472	.08942	-.09612	.00443	-.00127	-.00195	1.02550
47.500	20.000	48.74659	.28309	.10621	-.13589	.00444	-.00158	-.00124	1.02624
	GRADIENT	.00044	.01879	.00012	-.00895	-.00023	.00007	.00009	.00001

OA100 TARE+INTF+BLKGE 1 (ZNA01L) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 11/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-35.000	48.82861	-.19693	.11255	.17911	.00521	-.00108	.00475	1.02797
47.500	-30.000	48.84559	-.18764	.10245	.18058	.00389	-.00122	.00679	1.02833
47.500	-25.000	48.80951	-.19645	.08949	.18896	.00076	-.00118	.00257	1.02757
47.500	-20.000	48.73912	-.17779	.07337	.18510	-.00040	-.00078	.00230	1.02609
47.500	-15.000	48.67627	-.11096	.06488	.15516	.00269	-.00109	-.00108	1.02476
47.500	-10.000	48.70229	-.02248	.06211	.11742	.00166	-.00097	-.00055	1.02531
47.500	-5.000	48.67666	.08032	.06418	.07384	.00137	-.00097	-.00101	1.02477
47.500	.000	48.68521	.17850	.07035	.02861	.00126	-.00088	-.00107	1.02495
47.500	5.000	48.67473	.26935	.08065	-.01636	.00069	-.00107	-.00040	1.02473
47.500	10.000	48.67622	.35788	.09432	-.05889	.00063	-.00099	-.00046	1.02476
47.500	15.000	48.64929	.44625	.11272	-.10083	.00200	-.00087	-.00078	1.02420
47.500	20.000	48.66593	.52557	.13506	-.14162	.00319	-.00120	-.00046	1.02455
	GRADIENT	-.00019	.01890	.00165	-.00902	-.00007	-.00001	.00006	-.00000

OA100 TARE+INTF+BLKGE 1 (ZNA01M) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 12/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-35.000	48.73360	.03917	.10789	.17976	.00113	-.00151	.00352	1.02597
47.500	-30.000	48.74163	.04906	.09799	.18073	-.00074	-.00114	.00537	1.02614
47.500	-25.000	48.68455	.04041	.08290	.19123	-.00232	-.00077	.00289	1.02494
47.500	-20.000	48.63047	.05711	.06925	.18629	-.00027	-.00100	-.00050	1.02380
47.500	-15.000	48.64504	.14131	.06844	.15248	-.00022	-.00097	-.00134	1.02411
47.500	-10.000	48.72112	.23448	.07285	.11410	-.00092	-.00086	-.00063	1.02571
47.500	-5.000	48.68996	.33232	.08318	.06892	-.00254	-.00068	-.00029	1.02505
47.500	.000	48.69314	.42710	.09711	.02386	-.00085	-.00088	-.00050	1.02512
47.500	5.000	48.66250	.51585	.11355	-.01789	.00086	-.00108	-.00126	1.02447
47.500	10.000	48.68334	.60248	.13572	-.06381	.00073	-.00080	-.00091	1.02491
47.500	15.000	48.66270	.68991	.16180	-.10714	.00029	-.00068	-.00075	1.02448
47.500	20.000	48.69878	.78175	.19561	-.15569	.00269	-.00085	-.00136	1.02524
	GRADIENT	-.00275	.01835	.00304	-.00868	.00034	-.00004	-.00010	-.00006

OA100 TARE+INTF+BLKGE I(DECREASING ELEVON) (ZNA01N) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 13/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-35.000	48.74113	.03363	.10812	.28098	-.00011	-.00145	.00418	1.02613
47.500	-30.000	48.73913	.04434	.09759	.28270	-.00171	-.00111	.00601	1.02609
47.500	-25.000	48.68745	.03895	.08302	.29202	-.00183	-.00094	.00236	1.02500
47.500	-20.000	48.62785	.05699	.06908	.28809	-.00193	-.00091	-.00014	1.02374
47.500	-15.000	48.63101	.13830	.06731	.25681	-.00073	-.00119	.00001	1.02381
47.500	-10.000	48.72264	.23490	.07299	.21487	-.00085	-.00105	-.00058	1.02574
47.500	-5.000	48.69311	.32773	.08286	.16986	-.00009	-.00099	-.00126	1.02512
47.500	.000	48.69593	.42462	.09693	.12592	-.00010	-.00137	-.00059	1.02518
47.500	5.000	48.67757	.51331	.11410	.08266	.00069	-.00089	-.00069	1.02479
47.500	10.000	48.68709	.60549	.13661	.03747	.00036	-.00076	-.00036	1.02499
47.500	15.000	48.66993	.68873	.16203	-.00719	.00442	-.00126	-.00160	1.02463
47.500	20.000	48.70008	.78202	.19578	-.05499	.00137	-.00079	-.00080	1.02526
	GRADIENT	-.00155	.01856	.00312	-.00872	.00008	.00001	.00006	-.00003

OA100 TARE+INTF+BLKGE 1 (ZNA010) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 27/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-35.000	48.94068	.27342	.14211	.18762	-.00275	-.00165	.00694	1.03033
47.500	-30.000	48.93755	.26560	.13003	.19829	-.00605	-.00169	.01071	1.03026
47.500	-25.000	48.86617	.25021	.11258	.21168	-.00592	-.00132	.00573	1.02876
47.500	-20.000	48.85947	.29998	.10773	.19222	.00003	-.00138	-.00024	1.02862
47.500	-15.000	48.92863	.38967	.11441	.15420	.00016	-.00146	-.00026	1.03008
47.500	-10.000	49.06531	.48484	.12710	.11258	.00075	-.00145	-.00072	1.03295
47.500	-5.000	49.01470	.58135	.14452	.06923	.00147	-.00134	-.00087	1.03189
47.500	.000	49.01122	.68275	.16794	.02057	.00126	-.00097	-.00078	1.03182
47.500	5.000	49.02166	.76518	.19345	-.01893	.00016	-.00136	-.00078	1.03204
47.500	10.000	49.05312	.85792	.22586	-.06643	.00308	-.00070	-.00057	1.03270
47.500	15.000	49.05100	.95080	.26296	-.11352	.00278	-.00085	-.00088	1.03265
47.500	20.000	49.13394	1.03636	.30622	-.16018	.00124	-.00072	-.00007	1.03440
	GRADIENT	.00070	.01838	.00489	-.00882	-.00013	-.00000	.00001	.00001

0A100 TARE+INTF+BLKGE 1 (ZNA01P) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 28/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ELEVON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-35.000	49.76477	.50849	.23537	.18932	-.00407	-.00215	.00925	1.04768
47.500	-30.000	49.71508	.47670	.21486	.20856	-.00843	-.00262	.01175	1.04663
47.500	-25.000	49.72081	.50719	.21090	.19903	.00019	-.00135	.00008	1.04675
47.500	-20.000	49.78642	.60299	.22661	.16457	.00014	-.00115	.00091	1.04814
47.500	-15.000	49.95628	.69524	.24521	.12461	.00105	-.00126	-.00029	1.05171
47.500	-10.000	50.22860	.79374	.27302	.07921	.00123	-.00155	-.00104	1.05744
47.500	-5.000	50.23378	.89338	.30623	.03089	.00229	-.00168	-.00054	1.05755
47.500	.000	50.30499	.98298	.34224	-.01675	.00500	-.00123	-.00048	1.05905
47.500	5.000	50.40237	1.06998	.38458	-.06016	.00232	-.00279	-.00150	1.06110
47.500	10.000	50.51133	1.15309	.42888	-.10640	.00295	-.00315	-.00095	1.06340
47.500	15.000	50.60358	1.23549	.47810	-.15400	.00520	-.00212	-.00160	1.06534
47.500	20.000	50.73980	1.31253	.53024	-.19693	.00738	-.00248	-.00188	1.06821
	GRADIENT	.01686	.01766	.00783	-.00911	.00000	-.00011	-.00010	.00035

0A100 TARE+INTF+BLKGE 1 (ZNA01Q) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 29/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.700	-.045	48.92102	-.06278	.06751	.03313	.00195	-.00127	.00029	1.02560
47.690	2.570	48.91602	-.06005	.06780	.03313	-.00556	.00078	.00897	1.02571
47.620	5.141	48.87616	-.06010	.06989	.03253	-.01296	.00302	.01978	1.02638
47.590	7.711	48.88017	-.06016	.07218	.03367	-.02084	.00477	.02960	1.02711
47.610	10.281	48.96301	-.06475	.07636	.03266	-.02791	.00661	.03909	1.02842
47.630	15.541	49.14859	-.07015	.08725	.03235	-.03973	.00988	.05669	1.03188
	GRADIENT	-.00191	.00105	.00011	-.00000	-.00287	.00078	.00332	.00004

OA100 TARE+INTF+BLKGE 1 (ZNA01R) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 30/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.600	-.045	48.78894	.17552	.07025	.03159	-.00010	-.00078	-.00068	1.02498
47.660	2.570	48.85831	.17959	.07102	.02954	-.00975	.00078	.01083	1.02514
47.650	5.141	48.87467	.17900	.07273	.02943	-.01930	.00214	.02086	1.02570
47.570	7.741	48.83254	.17486	.07511	.03077	-.02806	.00370	.03146	1.02654
47.610	10.311	48.93308	.17309	.07891	.03034	-.03619	.00467	.04106	1.02779
47.570	15.541	49.06270	.16978	.08988	.02858	-.05284	.00698	.05943	1.03138
	GRADIENT	.02653	.00156	.00029	-.00079	-.00369	.00060	.00440	.00006

OA100 TARE+INTF+BLKGE 1 (ZNA01S) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 31/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.670	-.060	48.86752	.42718	.09713	.02593	-.00049	-.00117	-.00059	1.02512
47.530	2.570	48.73410	.42514	.09750	.02602	-.01180	-.00020	.01112	1.02533
47.690	5.141	48.92079	.42192	.09852	.02679	-.02154	.00039	.02135	1.02581
47.590	7.711	48.86666	.41926	.10135	.02725	-.03155	.00058	.03224	1.02683
47.650	10.281	48.97605	.41827	.10436	.02761	-.04193	.00156	.04252	1.02783
47.710	15.541	49.21136	.41524	.11534	.02577	-.05943	.00281	.06234	1.03147
	GRADIENT	-.05073	-.00078	.00014	.00004	-.00430	.00037	.00445	.00008

OA100 TARE+INTF+BLKGE 1(DECREASING AILERON) (ZNA01T) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 32/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.600	.000	48.79371	.42680	.09694	.02496	-.00078	-.00098	-.00029	1.02508
47.610	2.570	48.81713	.42532	.09759	.02495	-.01180	-.00039	.01102	1.02535
47.690	5.141	48.92708	.42099	.09880	.02659	-.02349	.00068	.02183	1.02594
47.670	7.771	48.94454	.41725	.10077	.02813	-.03282	.00097	.03253	1.02674
47.670	10.341	48.99402	.42014	.10446	.02761	-.04339	.00175	.04301	1.02777
47.610	15.541	49.10892	.41223	.11495	.02596	-.06040	.00271	.06224	1.03148
	GRADIENT	.00911	-.00058	.00026	-.00000	-.00429	.00023	.00440	.00011

OA100 TARE+INTF+BLKGE 1 (ZNA01U) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 33/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.570	-.015	49.09046	.67907	.16753	.02193	-.00078	-.00126	.00068	1.03196
47.700	2.570	49.23143	.68275	.16886	.02163	-.01211	-.00145	.01075	1.03211
47.690	5.170	49.25318	.67456	.16904	.02268	-.02237	-.00126	.02188	1.03278
47.620	7.711	49.22243	.67293	.17141	.02344	-.03396	-.00097	.03309	1.03365
47.590	10.281	49.26342	.67088	.17570	.02186	-.04318	-.00155	.04376	1.03516
47.490	15.527	49.36322	.66100	.18681	.01898	-.06657	-.00269	.06427	1.03944
	GRADIENT	.05454	.00143	.00052	-.00011	-.00439	-.00007	.00390	.00006

OA100 TARE+INTF+BLKGE 1 (ZNA01V) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 34/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.650	.000	50.49581	.98249	.34415	.19349	.00104	-.00160	-.00085	1.05972
47.580	2.570	50.43195	.98172	.34455	.19326	-.00859	-.00208	.00915	1.05994
47.650	5.185	50.52361	.97817	.34443	.19470	-.01820	-.00387	.01886	1.06031
47.670	7.711	50.58865	.97139	.34488	.19472	-.02686	-.00594	.02940	1.06123
47.640	10.341	50.62598	.97044	.34902	.19549	-.03773	-.00725	.03886	1.06268
47.430	15.541	50.60904	.95477	.35688	.19854	-.05707	-.01134	.05782	1.06703
	GRADIENT	-.02484	-.00030	.00016	-.00009	-.00374	-.00018	.00389	.00008

OA100 TARE+INTF+BLKGE 1 (ZNA01W) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 50/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.600	.064	48.83679	.12289	.07846	-.05552	.00546	-.00136	-.00058	1.02598
47.580	2.544	48.82183	.12327	.07884	-.05542	-.00185	-.00078	.00945	1.02610
47.740	5.068	49.01466	.12621	.08084	-.05704	-.00974	-.00019	.01919	1.02670
47.600	7.578	48.91713	.12648	.08388	-.05747	-.01781	.00068	.02871	1.02767
47.600	10.044	48.98669	.12193	.08823	-.05729	-.02400	.00087	.03760	1.02913
47.740	12.896	49.30997	.10910	.09932	-.05186	-.03747	.00155	.05519	1.03289
	GRADIENT	-.00603	.00015	.00015	.00004	-.00295	.00024	.00405	.00005

OA100 TARE+INTF+BLKGE 1 (ZNA01X) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 51/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.550	.049	48.75284	.35977	.09624	-.06279	.00176	-.00098	.00029	1.02530
47.650	2.544	48.86172	.35709	.09632	-.06054	-.00644	-.00117	.01053	1.02543
47.560	5.068	48.77920	.36345	.09777	-.06033	-.01511	-.00088	.01979	1.02564
47.540	7.578	48.81235	.36227	.10117	-.06153	-.02484	-.00068	.03019	1.02676
47.710	10.028	49.04694	.35774	.10454	-.05932	-.03278	-.00097	.03998	1.02802
47.460	12.896	48.96722	.34501	.11463	-.05571	-.04769	-.00136	.05786	1.03176
	GRADIENT	.04365	-.00107	.00003	.00090	-.00328	-.00008	.00411	.00005

OA100 TARE+INTF+BLKGE 1 (ZNA01Y) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 52/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.580	.049	48.76966	.60748	.13707	-.06486	.00215	-.00098	-.00010	1.02500
47.430	2.544	48.61767	.60736	.13716	-.06495	-.00683	-.00156	.01054	1.02504
47.430	5.024	48.65567	.60630	.13949	-.06500	-.01862	-.00234	.02145	1.02584
47.400	7.578	48.66824	.60761	.14268	-.06816	-.02669	-.00341	.03126	1.02676
47.480	10.028	48.82112	.60634	.14714	-.06893	-.03880	-.00399	.04221	1.02825
47.370	12.896	48.90558	.60263	.15952	-.07117	-.05589	-.00697	.06277	1.03242
	GRADIENT	-.06093	-.00005	.00004	-.00004	-.00360	-.00023	.00426	.00001

OA100 TARE+INTF+BLKGE 1 (ZNA01Z) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 53/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.600	.050	49.15471	.86645	.22833	-.07326	.00552	-.00155	-.00068	1.03266
47.750	2.559	49.32631	.86122	.22787	-.07043	-.00339	-.00310	.01016	1.03301
47.780	5.068	49.39553	.85920	.22982	-.06999	-.01499	-.00542	.02109	1.03381
47.690	7.564	49.35450	.85965	.23344	-.07107	-.02512	-.00744	.03063	1.03490
47.700	10.043	49.43391	.85989	.23813	-.07174	-.03358	-.00936	.03995	1.03635
47.670	12.896	49.61527	.84660	.24826	-.07009	-.04948	-.01307	.05698	1.04081
	GRADIENT	.06839	-.00208	-.00019	.00113	-.00355	-.00062	.00432	.00014

OA100 TARE+INTF+BLKGE 1 (ZNA02A) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 54/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.540	.034	50.59605	1.16318	.43588	-.11195	.00921	-.00272	-.00235	1.06428
47.680	2.559	50.76025	1.15983	.43547	-.11173	.00038	-.00648	.00780	1.06460
47.590	5.039	50.71027	1.15596	.43686	-.11163	-.00967	-.00948	.01689	1.06557
47.620	7.563	50.77643	1.14562	.43478	-.10977	-.01735	-.01247	.02542	1.06628
47.530	10.043	50.75535	1.14356	.43882	-.10942	-.02678	-.01517	.03427	1.06786
47.520	12.896	50.93176	1.12349	.44272	-.10407	-.04357	-.02081	.05001	1.07180
	GRADIENT	.06504	-.00133	-.00016	.00009	-.00350	-.00149	.00402	.00013

OA100 TARE+INTF+BLKGE 1 (ZNA02B) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 55/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.620	-.078	48.85464	-.25641	.07542	.12217	.00556	-.00224	.00010	1.02593
47.760	2.460	48.99920	-.26001	.07580	.12167	.00019	.00078	.01014	1.02595
47.760	4.985	49.02948	-.25362	.07722	.12043	-.00799	.00370	.02046	1.02658
47.580	7.465	48.87599	-.25501	.07941	.11782	-.01246	.00633	.02901	1.02724
47.590	10.020	48.95945	-.24423	.08329	.11172	-.02061	.00923	.03801	1.02878
47.360	15.069	48.93028	-.20468	.09381	.09249	-.02797	.01374	.05033	1.03316
	GRADIENT	.03455	.00055	.00036	-.00034	-.00267	.00117	.00402	.00013

OA100 TARE+INTF+BLKGE 1 (ZNA02C) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 56/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.640	-.034	48.86523	-.02277	.06339	.11956	.00273	-.00117	.00049	1.02572
47.660	2.461	48.89868	-.02384	.06425	.11846	-.00361	.00068	.01062	1.02599
47.670	4.985	48.94729	-.01924	.06673	.11593	-.01169	.00312	.01987	1.02679
47.670	7.480	48.98538	-.01631	.06921	.11419	-.01966	.00525	.02978	1.02759
47.570	10.020	48.94815	-.01337	.07349	.10850	-.02653	.00758	.03897	1.02897
47.320	15.054	48.90478	.02674	.08761	.08791	-.03851	.01093	.05167	1.03349
	GRADIENT	.01635	.00071	.00067	-.00072	-.00287	.00085	.00386	.00021

OA100 TARE+INTF+BLKGE 1 (ZNA02D) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 57/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.760	-.064	49.00107	.22715	.07314	.11661	.00302	-.00166	-.00019	1.02599
47.770	2.461	49.02020	.22945	.07390	.11591	-.00770	.00010	.01140	1.02617
47.800	4.956	49.08274	.23319	.07629	.11359	-.01558	.00175	.02172	1.02684
47.880	7.495	49.21061	.23969	.07982	.11067	-.02413	.00321	.03065	1.02779
47.690	10.020	49.07848	.23889	.08390	.10742	-.03537	.00496	.04159	1.02912
47.640	15.039	49.21843	.26980	.09916	.08891	-.04820	.00745	.05566	1.03313
	GRADIENT	.01625	.00120	.00063	-.00060	-.00371	.00068	.00437	.00017

OA100 TARE+INTF+BLKGE 1 (ZNA02E) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 58/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.510	-.064	49.09905	.48672	.12896	.11312	.00242	-.00164	.00097	1.03345
47.450	2.461	49.04736	.48313	.12903	.11329	-.00909	-.00058	.01180	1.03366
47.560	4.971	49.18620	.48724	.13138	.11207	-.02021	.00058	.02282	1.03419
47.500	7.465	49.17758	.49183	.13568	.10886	-.03332	.00212	.03352	1.03532
47.370	10.020	49.10601	.48917	.13937	.10747	-.04273	.00309	.04380	1.03665
47.570	15.055	49.48773	.48956	.15080	.09978	-.06277	.00490	.06267	1.04031
	GRADIENT	.01728	.00010	.00048	-.00021	-.00449	.00044	.00434	.00015

OA100 TARE+INTF+BLKGE 1 (ZNA02F) (28 APR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 59/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
45.310	-.064	47.89082	.79206	.27106	.08174	.00511	-.00028	-.00132	1.05696
47.090	2.461	49.79843	.78956	.27205	.07901	-.00615	-.00180	.01012	1.05752
47.600	4.971	50.35804	.78357	.27166	.07745	-.01834	-.00180	.02117	1.05794
47.390	7.480	50.20866	.79065	.27835	.07678	-.02605	-.00245	.03096	1.05948
47.470	10.020	50.34501	.78597	.28032	.07726	-.03621	-.00189	.04177	1.06057
47.360	15.010	50.43816	.78129	.29240	.07084	-.05793	-.00376	.06188	1.06500
	GRADIENT	.49035	-.00169	.00012	-.00085	-.00466	-.00030	.00447	.00020

OA100 TARE+INTF+BLKGE 1 (ZNA02G) (28 APR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = -20.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 70/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
48.060	-.053	49.49932	-.40374	.10074	.18524	.00262	-.00136	.00272	1.02995
47.800	2.441	49.23014	-.40191	.10045	.18311	.00291	.00068	.00563	1.02992
47.850	4.966	49.30888	-.38626	.10060	.17777	.00097	.00311	.01048	1.03049
47.690	7.475	49.18939	-.36400	.10140	.16695	-.00407	.00611	.01367	1.03144
47.660	10.000	49.21265	-.33968	.10276	.15622	-.01056	.00920	.01869	1.03258
47.530	15.005	49.15914	-.30181	.10503	.13538	-.02456	.01412	.02756	1.03428
	GRADIENT	-.03780	.00349	-.00003	-.00149	-.00033	.00089	.00155	.00011

OA100 TARE+INTF+BLKGE 1 (ZNA02H) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 71/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.420	-.068	48.67851	-.18043	.07487	.18792	.00117	-.00078	.00234	1.02654
47.380	2.456	48.65996	-.17130	.07610	.18326	.00117	.00107	.00584	1.02702
47.560	4.966	48.88856	-.15840	.07867	.17609	-.00350	.00321	.01197	1.02793
47.530	7.476	48.88117	-.14199	.07990	.16960	-.00846	.00574	.01799	1.02843
47.490	9.986	48.90113	-.11424	.08360	.15366	-.01418	.00816	.01903	1.02971
47.450	15.020	48.95062	-.07284	.08957	.13012	-.02511	.01202	.02898	1.03163
	GRADIENT	.04168	.00438	.00075	-.00235	-.00093	.00079	.00191	.00028

OA100 TARE+INTF+BLKGE 1 (ZNA02I) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 72/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.650	-.053	48.82182	.05533	.07165	.18789	.00146	-.00088	.00088	1.02459
47.620	2.442	48.79749	.05640	.07212	.18650	-.00517	.00117	.00849	1.02473
47.580	5.408	48.82531	.09597	.07905	.16598	-.01364	.00419	.01822	1.02617
47.500	7.491	48.74313	.09607	.07905	.16656	-.01403	.00448	.01930	1.02617
47.460	10.000	48.76535	.13078	.08576	.15166	-.01985	.00681	.02180	1.02750
47.370	15.035	48.76630	.16918	.09522	.12865	-.03380	.01030	.03225	1.02948
	GRADIENT	-.00975	.00043	.00019	-.00056	-.00266	.00082	.00305	.00005

OA100 TARE+INTF+BLKGE 1 (ZNA02J) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 73/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.540	-.053	48.93580	.29001	.10868	.19232	-.00049	-.00155	.00117	1.02936
47.580	2.456	48.97818	.28796	.10848	.19203	-.00709	.00039	.00952	1.02939
47.480	4.966	48.89525	.29299	.11047	.19020	-.01680	.00252	.01952	1.02981
47.420	7.491	48.89822	.33003	.12003	.17192	-.02124	.00427	.02260	1.03117
47.350	9.970	48.88417	.35278	.12734	.16194	-.02751	.00571	.02857	1.03240
47.430	15.020	49.04319	.41586	.14301	.13142	-.04207	.00890	.03549	1.03401
	GRADIENT	-.00808	.00059	.00036	-.00042	-.00325	.00081	.00366	.00009

OA100 TARE+INTF+BLKGE 1 (ZNA02K) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-20.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 74/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.470	-.068	49.74746	.58797	.22243	.16626	.00076	-.00057	.00095	1.04798
47.470	2.456	49.75137	.59117	.22346	.16615	-.00859	-.00048	.01002	1.04806
47.410	4.981	49.71378	.59068	.22497	.16263	-.01831	.00067	.01936	1.04859
47.390	7.461	49.73387	.59314	.22821	.15955	-.02801	.00152	.02992	1.04946
47.330	9.986	49.73873	.60004	.23428	.15467	-.03882	.00190	.03844	1.05089
47.780	15.020	50.38835	.67967	.26645	.11429	-.04978	.00512	.04125	1.05459
	GRADIENT	-.00667	.00054	.00050	-.00072	-.00378	.00025	.00365	.00012

OA100 TARE+INTF+BLKGE 1 (ZNA02L) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 60/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.680	.000	48.84645	-.04928	.06369	.02429	-.08961	.00605	-.00303	1.02446
47.880	2.524	49.06398	-.05113	.06455	.02233	-.09690	.00849	.00507	1.02473
47.850	5.005	49.06058	-.05246	.06637	.02144	-.10446	.01024	.01395	1.02530
47.800	7.514	49.03819	-.05341	.06828	.02357	-.11200	.01228	.02417	1.02590
47.730	10.024	49.03027	-.05392	.07247	.02082	-.11828	.01412	.03339	1.02724
47.790	15.088	49.25683	-.05296	.08319	.01764	-.12952	.01698	.05278	1.03069
	GRADIENT	.08617	-.00073	.00034	-.00078	-.00289	.00097	.00321	.00010

OA100 TARE+INTF+BLKGE 1 (ZNA02M) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 61/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.920	.000	49.07177	.18945	.06817	.02127	-.09140	.00654	-.00723	1.02404
47.840	2.510	49.00320	.19213	.06922	.01931	-.10046	.00801	.00371	1.02431
47.740	4.990	48.92481	.18979	.07065	.01930	-.10851	.00937	.01317	1.02482
47.700	7.514	48.91924	.19063	.07304	.01851	-.11789	.01053	.02360	1.02556
47.820	10.009	49.10199	.18903	.07685	.01663	-.12748	.01217	.03418	1.02681
47.620	15.058	49.06293	.18616	.08755	.01386	-.14239	.01446	.05222	1.03030
	GRADIENT	-.02945	.00107	.00050	-.00039	-.00343	.00057	.00409	.00016

OA100 TARE+INTF+BLKGE 1 (ZNA02N) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 62/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.830	.000	49.00663	.43588	.09679	.01647	-.08921	.00781	-.01171	1.02460
47.820	2.495	49.00862	.43294	.09715	.01569	-.10011	.00839	-.00059	1.02486
47.780	5.005	48.99044	.42972	.09818	.01685	-.10933	.00927	.00975	1.02533
47.670	7.499	48.92120	.43002	.10111	.01635	-.12102	.01013	.02066	1.02625
47.670	10.024	48.97307	.43365	.10510	.01468	-.13082	.01110	.03086	1.02734
47.800	15.088	49.28611	.43391	.11693	.00987	-.15101	.01222	.05101	1.03109
	GRADIENT	.00080	-.00118	.00015	-.00031	-.00437	.00023	.00446	.00010

OA100 TARE+INTF+BLKGE 1 (ZNA02O) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	5.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 63/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.700	.000	49.20055	.68851	.16819	.00904	-.08454	.00776	-.01406	1.03146
47.800	2.524	49.30760	.69059	.16895	.00962	-.09859	.00853	-.00310	1.03154
47.750	5.005	49.28763	.68947	.17078	.00835	-.10947	.00853	.00727	1.03220
47.700	7.499	49.29165	.68579	.17359	.00728	-.12145	.00832	.01897	1.03337
47.770	10.024	49.42623	.69063	.17888	.00418	-.13367	.00831	.02928	1.03467
47.900	15.058	49.76900	.68514	.19122	.00166	-.15784	.00905	.05130	1.03902
	GRADIENT	.04240	.00082	.00030	.00023	-.00557	.00031	.00434	.00003

OA100 TARE+INTF+BLKGE 1 (ZNA02P) (28 APR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 20.000 BETA = 5.000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 64/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.710	.000	50.38328	.97408	.32973	-.01312	-.07329	.00417	-.01922	1.05603
48.030	2.524	50.75836	.97328	.33185	-.01747	-.08478	.00227	-.00871	1.05681
47.850	5.020	50.60305	.97667	.33531	-.01812	-.09494	.00123	-.00066	1.05754
47.840	7.499	50.64379	.97483	.33799	-.01659	-.10419	.00019	.00992	1.05861
47.810	10.009	50.70274	.97007	.34220	-.01929	-.11429	-.00198	.02084	1.06050
47.700	15.073	50.81101	.95780	.35242	-.02024	-.13734	-.00347	.04224	1.06522
	GRADIENT	.14858	-.00032	.00084	-.00172	-.00485	-.00075	.00417	.00031

OA100 TARE+INTF+BLKGE 1 (ZNA02Q) (28 APR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = .000 BETA = 5.000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 65/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.570	.035	48.73787	.13194	.07438	-.06292	-.09282	.00693	-.00508	1.02455
47.800	2.559	48.98072	.12987	.07476	-.06252	-.09974	.00771	.00459	1.02470
47.770	5.068	48.97170	.13001	.07619	-.06357	-.10818	.00829	.01434	1.02516
47.740	7.533	48.98240	.13321	.07905	-.06468	-.11384	.00848	.02251	1.02602
47.730	10.043	49.03603	.12895	.08303	-.06450	-.12196	.00934	.03193	1.02736
47.770	12.896	49.25130	.12045	.09398	-.06117	-.13511	.01028	.04908	1.03101
	GRADIENT	.09622	-.00082	.00015	.00016	-.00274	.00031	.00383	.00006

OA100 TARE+INTF+BLKGE 1 (ZNA02R) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 66/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.850	.049	48.99355	.37090	.09325	-.06776	-.09454	.00732	-.00713	1.02390
47.690	2.559	48.83498	.37115	.09363	-.06844	-.10264	.00693	.00146	1.02401
47.780	5.024	48.94487	.37317	.09506	-.06978	-.11265	.00781	.01240	1.02438
47.750	7.518	48.96944	.37050	.09837	-.07077	-.12228	.00809	.02233	1.02554
47.710	10.043	48.98089	.37157	.10196	-.07040	-.13101	.00828	.03175	1.02664
47.610	12.896	49.04940	.37260	.11335	-.06967	-.14841	.00815	.05018	1.03023
	GRADIENT	-.06320	.00010	.00015	-.00027	-.00323	-.00016	.00343	.00004

OA100 TARE+INTF+BLKGE 1 (ZNA02S) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 67/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.830	.049	48.98408	.61747	.13640	-.07215	-.09237	.00908	-.01162	1.02413
47.440	2.559	48.60348	.61586	.13733	-.07367	-.10258	.00800	-.00098	1.02453
47.780	5.068	48.97847	.61767	.13950	-.07501	-.11180	.00771	.00839	1.02508
47.740	7.578	48.99713	.61828	.14361	-.07764	-.12345	.00682	.01929	1.02633
47.710	10.043	49.03466	.61518	.14750	-.07938	-.13369	.00594	.02938	1.02777
47.810	12.896	49.35897	.61426	.16195	-.08406	-.15159	.00378	.05027	1.03240
	GRADIENT	-.15167	-.00064	.00037	-.00061	-.00407	-.00043	.00424	.00016

OA100 TARE+INTF+BLKGE 1 (ZNA02T) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 68/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCOU
47.580	.049	49.09678	.87399	.22812	-.08174	-.08935	.00959	-.01279	1.03188
47.690	2.543	49.22654	.87554	.22969	-.08181	-.10163	.00765	-.00329	1.03222
47.710	5.038	49.28042	.87437	.23157	-.08273	-.11317	.00610	.00794	1.03292
47.740	7.534	49.36171	.87425	.23491	-.08380	-.12312	.00474	.01789	1.03397
47.700	10.058	49.39064	.87416	.23960	-.08494	-.13202	.00338	.02666	1.03544
47.800	12.896	49.69704	.86396	.24997	-.08411	-.14764	-.00058	.04540	1.03969
	GRADIENT	.05202	.00062	.00063	-.00003	-.00492	-.00078	.00381	.00014

OA100 TARE+INTF+BLKGE 1 (ZNA02U) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	5.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 69/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCOU
47.550	.064	50.34449	1.15224	.41397	-.10148	-.07773	.00453	-.01917	1.05877
47.680	2.559	50.54157	1.15296	.41820	-.10655	-.08764	.00160	-.00858	1.06002
47.610	5.054	50.50322	1.14630	.41781	-.10977	-.09729	-.00170	-.00047	1.06077
47.460	7.534	50.41416	1.15120	.42448	-.10943	-.10534	-.00377	.00791	1.06225
47.300	10.058	50.31739	1.14210	.42555	-.11115	-.11525	-.00677	.01673	1.06379
47.320	12.896	50.52879	1.12188	.42976	-.10624	-.13176	-.01105	.03568	1.06781
	GRADIENT	.07902	.00029	.00170	-.00203	-.00397	-.00117	.00425	.00050

OA100 TARE+INTF+BLKGE 1 (ZNA02V) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 75/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.400	.000	48.33955	-.03863	.05673	.01716	-.19101	.01579	-.00971	1.01982
47.360	2.524	48.29881	-.03833	.05673	.01706	-.19758	.01755	.00029	1.01982
47.470	5.005	48.43181	-.03557	.05808	.01480	-.20505	.01960	.00814	1.02026
47.420	7.514	48.42131	-.03554	.06078	.01439	-.21065	.02115	.01753	1.02112
47.490	10.009	48.54689	-.03276	.06433	.01261	-.21775	.02318	.02749	1.02226
47.360	15.058	48.58131	-.03392	.07542	.00897	-.22968	.02632	.04640	1.02579
	GRADIENT	-.01614	.00012	.00000	-.00004	-.00260	.00070	.00396	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA02W) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 76/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.750	.000	48.81536	.19495	.06310	.01485	-.19211	.01751	-.01457	1.02231
47.750	2.509	48.81607	.19857	.06339	.01407	-.20072	.01917	-.00499	1.02233
47.660	4.990	48.74344	.19800	.06464	.01426	-.21032	.02053	.00567	1.02273
47.580	7.514	48.69821	.20039	.06723	.01142	-.21788	.02179	.01485	1.02350
47.440	10.024	48.62410	.20176	.07192	.00819	-.22616	.02293	.02449	1.02496
47.440	15.058	48.78218	.20490	.08258	.00369	-.24351	.02626	.04483	1.02829
	GRADIENT	-.01438	.00061	.00031	-.00012	-.00365	.00061	.00406	.00008

OA100 TARE+INTF+BLKGE 1 (ZNA02X) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 77/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.680	.000	48.81300	.44229	.09511	.01434	-.19262	.01983	-.02110	1.02376
47.630	2.509	48.77130	.44123	.09558	.01151	-.20137	.02149	-.01152	1.02396
47.600	5.019	48.76681	.43904	.09699	.01287	-.21298	.02196	-.00039	1.02451
47.450	7.529	48.65424	.44160	.10013	.01198	-.22392	.02282	.01034	1.02538
47.390	10.024	48.65730	.44374	.10477	.00915	-.23297	.02318	.02055	1.02674
47.370	15.058	48.80197	.45378	.11732	.00077	-.25150	.02495	.04116	1.03023
	GRADIENT	-.01662	-.00042	.00019	-.00113	-.00349	.00066	.00382	.00008

OA100 TARE+INTF+BLKGE 1 (ZNA02Y) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	10.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 78/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.490	.000	48.99454	.70920	.17397	-.00685	-.18746	.02055	-.02598	1.03168
47.420	2.481	48.93610	.71113	.17538	-.00811	-.19807	.02083	-.01589	1.03197
47.490	5.005	49.03296	.71271	.17742	-.00898	-.21027	.02053	-.00446	1.03249
47.420	7.514	49.01094	.71014	.18014	-.01187	-.21982	.02012	.00571	1.03355
47.270	10.024	48.92798	.71258	.18558	-.01426	-.23148	.01952	.01749	1.03507
47.500	15.088	49.34673	.71314	.19770	-.01739	-.25422	.02031	.03985	1.03888
	GRADIENT	-.02356	.00078	.00057	-.00051	-.00428	.00011	.00407	.00012

OA100 TARE+INTF+BLKGE 1 (ZNA02Z) (28 APR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 20.000 BETA = 10.000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 79/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.610	.000	50.14928	.99044	.32706	-.03043	-.18446	.01832	-.02620	1.05334
47.510	2.510	50.05966	.98937	.32771	-.03260	-.19427	.01708	-.01708	1.05367
47.470	5.020	50.05951	.99280	.33171	-.03380	-.20416	.01659	-.00654	1.05455
47.420	7.514	50.05565	.99136	.33441	-.03538	-.21694	.01393	.00540	1.05558
47.380	10.009	50.08788	.99320	.33997	-.03485	-.22457	.01239	.01391	1.05715
47.730	15.073	50.69962	.98555	.35294	-.03818	-.24468	.01083	.03502	1.06222
	GRADIENT	-.03571	-.00043	.00026	-.00087	-.00391	-.00049	.00363	.00013

OA100 TARE+INTF+BLKGE 1 (ZNA03A) (28 APR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = .000 BETA = 10.000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 80/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.370	.035	48.40626	.14608	.06666	-.06933	-.19875	.01850	-.01409	1.02188
47.290	2.559	48.32928	.14147	.06675	-.06923	-.20548	.01908	-.00382	1.02198
47.470	5.053	48.53184	.14171	.06799	-.06970	-.21343	.01986	.00528	1.02237
47.510	7.533	48.62043	.13766	.07095	-.07149	-.22055	.02052	.01485	1.02337
47.370	10.058	48.52944	.13712	.07439	-.07131	-.22626	.02118	.02333	1.02448
47.570	12.896	48.89077	.12851	.08426	-.06729	-.23877	.02228	.04018	1.02776
	GRADIENT	-.03050	-.00183	.00003	.00004	-.00267	.00023	.00407	.00004

OA100 TARE+INTF+BLKGE 1 (ZNA038) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 81/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.580	.010	48.60813	.38377	.08769	-.07349	-.20213	.02065	-.01791	1.02161
47.460	2.529	48.50039	.37602	.08766	-.07395	-.21068	.02055	-.00705	1.02192
47.450	5.054	48.51529	.37632	.08937	-.07518	-.22104	.02142	.00264	1.02245
47.340	7.548	48.43594	.37909	.09195	-.07445	-.23105	.02180	.01339	1.02315
47.720	10.043	48.89160	.37935	.09641	-.07709	-.24050	.02196	.02157	1.02455
47.370	12.896	48.70221	.38163	.10795	-.07953	-.25522	.02169	.04143	1.02812
	GRADIENT	-.04277	-.00308	-.00001	-.00018	-.00339	-.00004	.00431	.00012

OA100 TARE+INTF+BLKGE 1 (ZNA03C) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 82/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.560	.064	48.68513	.62430	.13637	-.08028	-.20339	.02325	-.02305	1.02366
47.530	2.543	48.66873	.62372	.13721	-.08055	-.21329	.02256	-.01338	1.02396
47.500	5.053	48.65971	.63106	.14027	-.08334	-.22218	.02245	-.00225	1.02441
47.540	7.563	48.76247	.63308	.14487	-.08704	-.23467	.02164	.00809	1.02571
47.370	10.043	48.64689	.63378	.14898	-.08985	-.24402	.02074	.01714	1.02696
47.080	12.896	48.52507	.63429	.16096	-.09097	-.25866	.01834	.03580	1.03069
	GRADIENT	-.00662	-.00023	.00034	-.00011	-.00399	-.00028	.00390	.00012

OA100 TARE+INTF+BLKGE 1 (ZNA03D) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 83/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.350	.049	48.87046	.90159	.23747	-.09760	-.19794	.02296	-.02422	1.03211
47.310	2.543	48.83007	.90322	.23804	-.09847	-.20831	.02044	-.01531	1.03213
47.290	5.039	48.83621	.90621	.24082	-.09842	-.21720	.01888	-.00436	1.03270
47.380	7.549	48.98851	.89777	.24217	-.10091	-.22670	.01683	.00522	1.03395
47.350	10.028	49.01942	.89972	.24698	-.10127	-.23695	.01565	.01420	1.03526
47.360	12.896	49.22464	.89376	.25822	-.10269	-.25082	.01270	.03271	1.03937
	GRADIENT	-.01619	.00065	.00023	-.00035	-.00416	-.00101	.00357	.00001

OA100 TARE+INTF+BLKGE 1 (ZNA03E) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	10.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 84/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	AILRON	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.920	.035	50.56588	1.18067	.41461	-.12723	-.19285	.01990	-.02473	1.05521
47.790	2.559	50.43396	1.18130	.41523	-.12626	-.20022	.01725	-.01639	1.05532
47.750	5.038	50.43036	1.17916	.41690	-.12664	-.20944	.01439	-.00625	1.05613
47.640	7.548	50.38130	1.17599	.42003	-.12949	-.21909	.01069	.00227	1.05754
47.520	10.058	50.32531	1.16763	.42123	-.12478	-.22832	.00831	.01143	1.05903
47.560	12.896	50.57403	1.15675	.43033	-.12540	-.24262	.00386	.02812	1.06337
	GRADIENT	-.05227	.00025	.00025	.00038	-.00292	-.00105	.00330	.00004

OA100 TARE+INTF+BLKGE 1 (ZNA03F) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 35/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-11.700	48.42480	-.08423	.07228	.04904	.00315	-.00167	-.00147	1.01947
47.500	.000	48.71710	-.06176	.06756	.03244	.00254	-.00136	-.00147	1.02562
47.500	16.000	48.39966	-.01797	.06944	.00470	.00253	-.00138	-.00169	1.01894
47.500	22.500	48.08698	.00449	.07223	-.00794	.00056	-.00110	-.00120	1.01236
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA03G) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 36/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-11.700	48.39350	.14949	.07285	.04783	-.00100	-.00108	-.00205	1.01881
47.500	.000	48.69157	.17429	.07051	.02903	.00011	-.00107	-.00243	1.02509
47.500	16.000	48.35225	.22938	.07535	.00119	-.00045	-.00098	-.00106	1.01794
47.500	22.500	48.08733	.25293	.08326	-.01378	-.00088	-.00099	-.00185	1.01236
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA03H) (28 APR 82)

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	=	.3600									

PARAMETRIC DATA

ALPHA	=	10.000	BETA	=	.000
ELEVON	=	.000	AILRON	=	.000
SPDBRK	=	25.000	RUDDER	=	.000

RUN NO. 37/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-11.700	48.38206	.40098	.09606	.04234	.00110	-.00128	-.00186	1.01857
47.500	.000	48.69284	.42685	.09705	.02412	-.00001	-.00117	-.00195	1.02511
47.500	16.000	48.38031	.47501	.10717	-.00434	-.00019	-.00078	-.00119	1.01853
47.500	22.500	48.11914	.50011	.11744	-.02016	-.00029	-.00088	-.00118	1.01303
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(DECREASING BDFLAP) (ZNA031) (28 APR 82)

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	=	.3600									

PARAMETRIC DATA

ALPHA	=	10.000	BETA	=	.000
ELEVON	=	.000	AILRON	=	.000
SPDBRK	=	25.000	RUDDER	=	.000

RUN NO. 38/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-11.700	48.37445	.40189	.09568	.04354	.00081	-.00138	-.00178	1.01841
47.500	.000	48.69870	.42415	.09704	.02410	-.00059	-.00127	-.00097	1.02524
47.500	16.000	48.38483	.47395	.10730	-.00456	-.00005	-.00129	-.00117	1.01863
47.500	22.500	48.11763	.49998	.11732	-.02071	.00078	-.00109	-.00119	1.01300
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA03J) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 39/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-11.700	48.70376	.65085	.16326	.03881	-.00018	-.00147	-.00125	1.02534
47.500	.000	49.02067	.68339	.16872	.01947	-.00036	-.00096	-.00193	1.03201
47.500	16.000	48.75470	.72938	.18559	-.00926	.00221	-.00097	-.00087	1.02641
47.500	22.500	48.47435	.75247	.19608	-.02327	-.00011	-.00098	-.00135	1.02051
	GRADIENT	.09000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA03K) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 40/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BDFLAP	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-11.700	49.97086	.96530	.33694	-.00221	.00307	-.00160	-.00229	1.05202
47.500	.000	50.34186	.98119	.34402	-.02036	.00190	-.00217	-.00160	1.05983
47.500	16.000	50.14615	1.01817	.36722	-.05276	.00405	-.00132	-.00212	1.05571
47.500	22.500	49.31558	1.15885	.38914	-.00847	.00200	-.00181	-.00315	1.03822
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA03L) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 41/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	.000	48.69643	-.05071	.05896	.02379	-.00039	-.00068	-.00137	1.02519
47.500	25.000	48.72529	-.06491	.06817	.03080	.00175	-.00098	-.00098	1.02580
47.500	55.000	48.78065	-.08228	.09096	.05252	-.00009	-.00049	-.00135	1.02696
47.500	87.000	48.88706	-.10323	.11763	.07145	.00216	-.00086	-.00203	1.02920
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA03M) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 42/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	.000	48.66075	.18322	.06200	.02206	-.00127	-.00029	-.00195	1.02444
47.500	25.000	48.68847	.17659	.07044	.02965	.00019	-.00068	-.00107	1.02502
47.500	55.000	48.74231	.15080	.09124	.05129	.00010	-.00020	-.00232	1.02615
47.500	87.000	48.83272	.12508	.11498	.06979	.00076	-.00000	-.00272	1.02806
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA03N) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 43/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	.000	48.67164	.43635	.09004	.01715	-.00117	-.00078	-.00176	1.02467
47.500	25.000	48.68856	.42827	.09698	.02528	-.00079	-.00098	-.00136	1.02502
47.500	55.000	48.73285	.40526	.11530	.04560	.00001	-.00049	-.00262	1.02595
47.500	87.000	48.79491	.37969	.13497	.06738	-.00255	-.00048	-.00179	1.02726
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(DECREASING SPDBRK) (ZNA030) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 44/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	.000	48.66602	.43690	.08975	.01705	-.00324	-.00058	-.00117	1.02455
47.500	25.000	48.68826	.42710	.09678	.02332	.00156	-.00166	-.00176	1.02502
47.500	55.000	48.72646	.40491	.11482	.04586	-.00247	-.00041	-.00147	1.02582
47.500	87.000	48.79646	.37949	.13504	.06627	-.00210	-.00038	-.00174	1.02729
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA03P) (28 APR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	15.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	BDFLAP =	.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 48/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	.000	49.01240	.69210	.16330	.01263	.00068	-.00107	-.00019	1.03184
47.500	25.000	49.03320	.67978	.16870	.01790	.00087	-.00116	.00019	1.03228
47.500	55.000	49.06562	.66248	.18537	.03888	-.00028	-.00068	-.00009	1.03296
47.500	87.000	49.12860	.63462	.20213	.06185	.00008	-.00067	-.00010	1.03429
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA03Q) (28 APR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	20.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000	AILRON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	BDFLAP =	.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 49/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	SPDBRK	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	.000	50.31521	.99084	.33891	-.02810	.00425	-.00170	-.00066	1.05927
47.500	25.000	50.32595	.98727	.34513	-.01860	.00312	-.00151	-.00141	1.05949
47.500	55.000	50.36016	.96078	.35617	.00032	.00376	-.00104	-.00114	1.06021
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(RCS PORTS CLOSED) (ZNA03R) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 101/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.490	-5.240	48.72200	-.28129	.08170	.03245	.00439	-.00234	-.00029	1.02594
47.690	-2.649	48.92889	-.16974	.07304	.03056	.00331	-.00117	-.00078	1.02598
47.600	-.056	48.82470	-.05692	.06780	.02904	.00419	-.00146	-.00039	1.02573
47.720	2.541	48.93926	.06209	.06734	.02766	.00273	-.00107	-.00068	1.02555
47.640	5.139	48.83318	.18146	.07083	.02691	.00283	-.00107	-.00059	1.02505
47.850	7.739	49.02816	.30397	.07986	.02160	.00176	-.00117	-.00059	1.02462
47.600	10.342	48.79368	.42944	.09733	.02203	.00117	-.00117	.00020	1.02508
47.730	12.941	49.02838	.54901	.12447	.02262	.00058	-.00097	.00010	1.02720
47.580	15.556	49.09693	.68707	.16919	.01737	-.00029	-.00126	.00048	1.03188
47.500	18.180	49.44169	.82996	.23586	.00628	.00231	-.00183	.00058	1.04088
47.570	20.826	50.41298	.98820	.34630	-.01996	.00274	-.00151	-.00142	1.05976
46.010	26.006	50.75547	1.15407	.54236	-.01655	.00381	-.00208	-.00127	1.10314
	GRADIENT	.00201	.04467	-.00110	-.00056	-.00011	.00002	.00002	-.00008

OA100 TARE+INTF+BLKGE 1(RCS PORTS CLOSED) (ZNA03S) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 102/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.510	-13.000	48.46635	-.03028	.04976	.00774	.24958	-.02010	.00921	1.02013
47.670	-10.000	48.70438	-.03464	.05477	.01115	.19644	-.01850	.00852	1.02170
47.610	-5.000	48.75203	-.04726	.06216	.02177	.09776	-.00859	.00342	1.02399
47.630	-2.000	48.84479	-.05382	.06703	.02749	.04300	-.00449	.00185	1.02550
47.730	.000	48.95874	-.05936	.06789	.03001	.00439	-.00156	.00078	1.02574
47.580	2.000	48.79862	-.05615	.06742	.02875	-.03286	.00195	-.00146	1.02561
47.730	5.000	48.90038	-.05006	.06388	.02331	-.09146	.00654	-.00371	1.02452
47.630	10.000	48.68407	-.04059	.05621	.01290	-.19029	.01595	-.01057	1.02213
47.590	15.000	48.55142	-.02675	.04996	.00764	-.27749	.01804	-.01059	1.02020
47.660	20.000	48.56902	-.01472	.04629	.00412	-.33835	.01590	-.01227	1.01907
	GRADIENT	.01120	-.00032	.00016	.00018	-.01893	.00153	-.00073	.00005

OA100 TARE+INTF+BLKGE 1(RCS PORTS CLOSED) (ZNA03T) (28 APR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 103/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.560	-13.000	48.54895	.20621	.05908	.00665	.24873	-.02351	.01822	1.02079
47.650	-10.000	48.68739	.20318	.06196	.01017	.19202	-.01918	.01840	1.02177
47.600	-5.000	48.74176	.19034	.06807	.01961	.09336	-.00830	.00986	1.02399
47.660	-2.000	48.85467	.18194	.07092	.02564	.03902	-.00371	.00585	1.02507
47.650	.000	48.84858	.18368	.07131	.02671	.00137	-.00059	.00273	1.02515
47.620	2.000	48.81313	.17941	.07073	.02505	-.03619	.00273	-.00039	1.02506
47.710	5.000	48.86345	.18698	.06845	.01941	-.09305	.00703	-.00547	1.02418
47.750	10.000	48.80682	.19479	.06252	.01006	-.19322	.01800	-.01438	1.02213
47.650	15.000	48.63680	.20172	.05850	.00724	-.27873	.02155	-.02283	1.02071
47.600	20.000	48.57916	.19538	.05762	.00440	-.34481	.01979	-.02469	1.02057
	GRADIENT	.00906	-.00038	.00003	-.00004	-.01866	.00154	-.00154	.00002

OA100 TARE+INTF+BLKGE 1(RCS PORTS CLOSED) (ZNA03U) (28 APR 82)

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 = .3600

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 104/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.610	-13.000	48.68463	.44789	.09219	.00634	.24820	-.02680	.02758	1.02257
47.590	-10.000	48.68867	.44650	.09361	.00888	.19480	-.02317	.02492	1.02309
47.560	-5.000	48.71254	.43477	.09545	.01492	.09217	-.01006	.01396	1.02423
47.520	-2.000	48.70015	.43081	.09676	.02165	.03591	-.00439	.00751	1.02484
47.450	.000	48.64492	.43105	.09790	.02125	-.00049	-.00078	.00322	1.02518
47.610	2.000	48.80073	.43220	.09753	.02057	-.03649	.00254	-.00195	1.02501
47.660	5.000	48.83196	.43481	.09659	.01521	-.09233	.00820	-.01035	1.02459
47.470	10.000	48.13803	.44504	.06446	.05856	-.19584	.00720	-.02189	1.01407
47.600	15.000	48.69580	.44408	.09303	.00370	-.28201	.02659	-.03333	1.02302
47.630	20.000	48.82305	.43072	.09743	-.00002	-.34242	.02390	-.03883	1.02505
	GRADIENT	.01376	.00005	.00012	-.00001	-.01840	.00181	-.00242	.00004

OA100 TARE+INTF+BLKGE 1(RCS PORTS CLOSED) (ZNA03V) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 105/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.610	-13.000	49.04065	.71052	.16910	-.01007	.24183	-.02777	.03252	1.03005
47.680	-10.000	49.14912	.71698	.17315	-.01064	.18568	-.02144	.02862	1.03081
47.610	-5.000	49.06813	.69198	.16639	.01002	.08684	-.01038	.01679	1.03063
47.520	-2.000	49.03016	.68607	.16862	.01602	.03363	-.00436	.00814	1.03178
47.510	.000	49.03874	.68619	.16992	.01766	-.00242	-.00068	.00252	1.03218
47.690	2.000	49.21703	.68475	.16907	.01591	-.03663	.00291	-.00397	1.03202
47.650	5.000	49.15008	.68859	.16829	.00894	-.08754	.00814	-.01309	1.03148
47.640	10.000	49.03890	.71391	.16776	.00071	-.18633	.01778	-.02477	1.02936
47.540	15.000	48.70931	.72396	.15497	.02297	-.27260	.01152	-.03904	1.02460
47.330	20.000	49.20702	.69616	.19591	-.02017	-.30750	.01029	-.03732	1.03966
	GRADIENT	.01351	-.00034	.00018	-.00010	-.01746	.00185	-.00299	.00008

OA100 TARE+INTF+BLKGE 1(RCS PORTS CLOSED) (ZNA03W) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 106/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.510	-13.000	49.95261	1.00927	.32775	-.04190	.23159	-.02102	.03281	1.05141
47.660	-10.000	50.13506	1.00269	.32702	-.02971	.18290	-.02082	.03194	1.05193
47.540	-5.000	50.15117	.98193	.32903	-.01550	.07991	-.00578	.02048	1.05493
47.630	-2.000	50.37982	.98547	.33903	-.01622	.03281	-.00246	.01049	1.05773
47.540	.000	50.34800	.98697	.34370	-.01478	.00066	-.00028	.00387	1.05807
47.670	2.000	50.48795	.98145	.34189	-.01469	-.03409	.00236	-.00397	1.05911
47.760	5.000	50.45070	.96509	.32755	-.01151	-.07810	.00246	-.01325	1.05634
47.800	10.000	50.35110	.99116	.32743	-.02815	-.18370	.01813	-.02183	1.05337
47.650	15.000	49.20298	1.01092	.26797	.06067	-.26564	-.00600	-.03564	1.03259
47.520	20.000	50.33038	.95820	.33386	-.04414	-.28995	.00538	-.03994	1.05914
	GRADIENT	.02955	-.00159	-.00003	.00040	-.01593	.00088	-.00341	.00017

OA100 TARE+INTF+BLKGE 1 (ZNA03X) (28 APR 82)

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 =	.3600						

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000

RUN NO. 88/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.710	-.075	49.36300	-.07934	.09870	.04608	-.03566	.02165	-.02735	1.03465
47.670	10.320	49.05500	.40144	.12056	.03855	-.02866	.02012	-.02108	1.02906
47.790	15.535	49.51900	.65836	.18808	.03534	-.02818	.01921	-.01795	1.03618
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA03Y) (28 APR 82)

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 =	.3600						

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-15.000

RUN NO. 89/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.690	-.072	49.06561	-.07629	.09664	.04712	-.02177	.01477	-.02099	1.02885
47.740	10.326	49.03027	.40867	.11914	.03883	-.01665	.01324	-.01733	1.02703
47.760	15.535	49.37162	.65962	.18717	.03533	-.01412	.01287	-.01490	1.03374
47.760	20.801	50.62858	.95840	.35489	.00108	-.01462	.01292	-.01396	1.06006
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA03Z) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 90/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.790	-.073	49.08950	-.07709	.09153	.05235	.00224	-.00088	-.00127	1.02719
47.600	5.118	48.86237	.15558	.09264	.04908	.00283	-.00058	-.00224	1.02652
47.860	10.323	49.10655	.40574	.11565	.04578	.00166	-.00078	-.00156	1.02605
47.710	15.537	49.27845	.66288	.18519	.03971	.00116	-.00077	-.00106	1.03287
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA04A) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 91/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.650	-.074	48.94505	-.07865	.09153	.05167	.01490	-.00662	.00253	1.02718
47.790	5.119	49.04902	.15697	.09216	.04889	.01345	-.00633	.00136	1.02634
47.710	10.321	48.95175	.40341	.11526	.04500	.01043	-.00604	.00156	1.02603
47.710	15.535	49.26822	.66012	.18388	.04001	.01007	-.00591	.00097	1.03266
47.720	20.804	50.54223	.96310	.35368	.00637	.01180	-.00557	.00085	1.05914
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA04B) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	10.000

RUN NO. 92/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.670	-.074	48.96406	-.07885	.09144	.05168	.02882	-.01344	.00565	1.02715
47.690	5.119	48.94249	.15640	.09188	.04909	.02572	-.01267	.00361	1.02626
47.570	10.324	48.80031	.40650	.11518	.04385	.02271	-.01218	.00263	1.02586
47.720	15.537	49.27466	.66336	.18438	.03924	.02102	-.01182	.00291	1.03258
47.780	20.801	50.59240	.95986	.35170	.00410	.02134	-.01199	.00094	1.05886
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA04C) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	15.000

RUN NO. 93/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.680	-.073	48.98944	-.07746	.09239	.05147	.04039	-.01849	.00818	1.02746
47.710	5.118	48.97521	.15568	.09264	.04790	.03595	-.01753	.00565	1.02652
47.630	10.324	48.86912	.40644	.11565	.04413	.03343	-.01696	.00341	1.02602
47.710	15.539	49.25780	.66490	.18430	.03905	.03041	-.01647	.00232	1.03244
47.670	20.802	50.48935	.96036	.35274	.00269	.03021	-.01633	.00047	1.05914
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA04D) (28 APR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	48.000	RUDDER =	19.500
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 94/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.870	-.072	49.28105	-.07653	.09425	.05223	.05741	-.02632	.01195	1.02948
47.720	5.119	49.06904	.15610	.09374	.04909	.05320	-.02509	.00759	1.02827
47.720	10.322	49.04865	.40358	.11662	.04366	.04884	-.02384	.00525	1.02784
47.720	15.534	49.35998	.65854	.18454	.03869	.04263	-.02291	.00503	1.03437
47.660	20.804	50.55169	.96105	.35346	.00579	.04375	-.02225	.00179	1.06067
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA04E) (28 APR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	5.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	55.000	RUDDER =	.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 95/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.660	-.070	48.88011	-.07429	.08651	.04707	-.08873	.00536	-.00429	1.02560
47.740	5.125	48.95239	.16433	.08962	.04347	-.09109	.00585	-.00536	1.02540
47.800	10.327	49.01546	.41096	.11445	.03791	-.09001	.00683	-.01082	1.02543
47.730	15.538	49.26292	.66415	.18310	.03161	-.08739	.00698	-.01221	1.03212
47.720	20.789	50.41118	.94743	.33984	.00771	-.07403	.00161	-.01619	1.05640
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA04F) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	5.000

RUN NO. 96/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.710	-.070	48.94016	-.07417	.08708	.04901	-.07526	-.00068	-.00058	1.02578
47.690	5.123	48.90899	.16187	.08999	.04483	-.07801	-.00029	-.00390	1.02556
47.710	10.328	48.93793	.41142	.11549	.03888	-.07653	.00068	-.00985	1.02574
47.530	20.790	50.22818	.94871	.34142	.00733	-.06132	-.00341	-.01590	1.05677
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA04G) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	10.000

RUN NO. 97/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.610	-.071	48.84457	-.07485	.08756	.04891	-.06141	-.00702	.00370	1.02593
47.710	5.122	48.93533	.16010	.09028	.04521	-.06552	-.00614	-.00117	1.02568
47.700	10.324	48.93598	.40745	.11547	.03955	-.06677	-.00478	-.00682	1.02591
47.650	15.535	49.19710	.65995	.18323	.03440	-.06431	-.00436	-.00833	1.03247
47.590	20.784	50.28355	.94176	.33854	.00601	-.05035	-.01051	-.01609	1.05660
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA04H) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	15.000

RUN NO. 98/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.610	-.072	48.86701	-.07676	.08907	.04957	-.04930	-.01276	.00653	1.02640
47.660	5.123	48.90721	.16187	.09189	.04558	-.05467	-.01189	.00078	1.02617
47.620	10.325	48.86801	.40753	.11641	.04042	-.05584	-.00984	-.00555	1.02621
47.620	15.537	49.17334	.66237	.18427	.03440	-.05481	-.00988	-.00823	1.03262
47.590	20.783	50.30154	.94020	.33918	.00761	-.04059	-.01627	-.01419	1.05698
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA04I) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	48.000	RUDDER =	19.500

RUN NO. 99/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.690	-.073	49.07219	-.07725	.09274	.05324	-.03246	-.02099	.00991	1.02898
47.690	5.122	49.03735	.16067	.09394	.04870	-.03987	-.01955	.00457	1.02825
47.750	10.321	49.10820	.40285	.11840	.04509	-.04152	-.01731	-.00311	1.02844
47.610	15.534	49.28776	.65731	.18699	.03769	-.03883	-.01710	-.00657	1.03524
47.600	20.780	50.42867	.93125	.34047	.01203	-.02445	-.02303	-.01369	1.05943
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA04J) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-22.500

RUN NO. 86/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.740	-.064	49.26375	-.06569	.08725	.03584	-.04719	.02830	-.03295	1.03192
47.680	5.131	49.14457	.17105	.08790	.03258	-.04230	.02852	-.02726	1.03072
47.780	10.334	49.23830	.41766	.11273	.02666	-.04241	.02785	-.02348	1.03052
47.680	15.544	49.44290	.66875	.18089	.02288	-.03877	.02719	-.01929	1.03697
47.710	20.747	51.14565	.88494	.34860	-.06386	-.03759	.02621	-.01698	1.07201
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA04K) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-15.000

RUN NO. 87/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.720	-.058	49.11594	-.05887	.07883	.03039	-.03031	.01953	-.02458	1.02925
47.690	5.133	49.04294	.17300	.08071	.02711	-.02499	.01896	-.02266	1.02837
47.830	10.338	49.17341	.42380	.10599	.02313	-.02403	.01829	-.01965	1.02809
47.580	15.548	49.24581	.67465	.17612	.01722	-.02280	.01816	-.01807	1.03501
47.630	20.754	50.94529	.89469	.34452	-.06774	-.02160	.01804	-.01608	1.06961
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1+NOSE GEAR (ZNA04L) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	20.000	RUDDER =	3.000

RUN NO. 108/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.700	-.058	49.06130	-.05901	.07101	.02837	.00340	-.00068	-.00049	1.02854
47.560	5.139	48.87408	.18081	.07328	.02626	.00088	-.00078	-.00039	1.02763
47.530	10.342	48.84667	.42805	.09980	.02227	-.00019	-.00058	-.00010	1.02770
47.540	15.549	49.16670	.67623	.16842	.01811	.00300	-.00077	-.00010	1.03422
47.590	20.797	50.39777	.95483	.32682	-.00638	.00246	-.00104	-.00076	1.05900
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1+NOSE GEAR (ZNA04M) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	20.000	RUDDER =	3.000

RUN NO. 109/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-.051	48.79292	-.05061	.06673	.02589	-.09453	.00535	-.00399	1.02722
47.670	5.143	48.94924	.18562	.07110	.02209	-.09602	.00623	-.00643	1.02684
47.630	10.340	48.93902	.42629	.09885	.01711	-.09256	.00730	-.01071	1.02748
47.390	15.550	48.98397	.67787	.16697	.01483	-.09084	.00890	-.01335	1.03364
47.870	20.795	50.67712	.95289	.32504	-.00610	-.07085	.00227	-.01889	1.05864
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1+NOSE GEAR (ZNA04N) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	36.500	RUDDER =	-5.500

RUN NO. 110/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.530	-.041	48.53807	-.03799	.06047	.01752	-.19545	.01351	-.00872	1.02121
47.710	5.146	48.73313	.19042	.06726	.01457	-.19423	.01645	-.01420	1.02144
47.580	10.344	48.67464	.43246	.09840	.01230	-.19247	.01935	-.02238	1.02301
47.720	15.577	49.21861	.71191	.18090	-.00676	-.18451	.01784	-.02472	1.03140
47.750	20.818	50.26991	.98555	.33056	-.02826	-.18276	.01586	-.02555	1.05277
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1+NOSE GEAR(FTP OFF) (ZNA040) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 111/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.460	-.059	48.71895	-.06078	.07037	.02980	.00312	-.00117	-.00049	1.02653
47.410	5.135	48.63660	.17644	.07311	.02709	.00224	-.00136	-.00078	1.02587
47.690	10.339	48.92529	.42578	.09939	.02172	.00058	-.00097	-.00029	1.02590
47.610	15.549	49.14791	.67797	.16835	.01833	-.00087	-.00107	.00077	1.03230
47.740	20.797	50.46442	.95705	.32704	-.00554	.00397	-.00246	-.00085	1.05707
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1+NOSE GEAR(FTP OFF) (ZNA04P) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 112/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.670	-.054	48.89015	-.05391	.06732	.02553	-.09399	.00517	-.00449	1.02560
47.530	5.142	48.73325	.18473	.07188	.02105	-.09363	.00556	-.00722	1.02532
47.610	10.342	48.83522	.42945	.09941	.01656	-.09164	.00721	-.01209	1.02573
47.670	15.546	49.20732	.67423	.16729	.01291	-.09058	.00794	-.01385	1.03225
47.620	20.797	50.34683	.95649	.32745	-.00819	-.07028	.00170	-.02062	1.05726
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1+NOSE GEAR(FTP OFF) (ZNA04Q) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 113/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.710	-.041	48.83181	-.03829	.06053	.01640	-.19443	.01319	-.01065	1.02351
47.530	5.145	48.65383	.18923	.06692	.01327	-.19235	.01612	-.01631	1.02364
47.670	10.345	48.87706	.43324	.09867	.01032	-.18940	.01921	-.02419	1.02532
47.560	15.574	49.08958	.70781	.17515	-.00016	-.18360	.01511	-.02664	1.03216
47.500	20.818	49.22526	1.00120	.27665	.07165	-.18479	-.01081	-.02808	1.03632
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE I(FTP OFF) (ZNA04R) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 115/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.390	-.065	48.60572	-.06765	.06779	.03119	.00400	-.00117	-.00019	1.02565
47.850	5.135	49.05650	.17587	.07101	.02729	-.00020	-.00078	-.00029	1.02521
47.660	10.337	48.87232	.42285	.09749	.02241	-.00137	-.00088	.00020	1.02544
47.250	15.545	48.77032	.67321	.16682	.02076	-.00552	-.00145	.00155	1.03218
47.360	20.815	50.13577	.97615	.33846	-.01676	-.00094	-.00198	-.00066	1.05861
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE I(FTP OFF) (ZNA04S) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 114/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.190	-.061	48.41520	-.06286	.06865	.03148	.01910	-.00897	.00448	1.02596
47.530	5.135	48.72681	.17607	.07091	.02983	.01668	-.00878	.00322	1.02518
47.510	10.334	48.72598	.41869	.09737	.02465	.01229	-.00829	.00322	1.02559
47.530	15.546	49.06425	.67421	.16738	.02047	.00959	-.00833	.00242	1.03228
47.480	20.816	50.27681	.97758	.33988	-.01591	.01180	-.00925	.00000	1.05891
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA04T) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 116/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.580	-.062	48.85117	-.06408	.07104	.03349	.03487	-.01627	.00750	1.02672
47.680	5.131	48.92498	.17182	.07358	.02951	.03167	-.01637	.00565	1.02611
47.500	10.332	48.74932	.41694	.09935	.02366	.02572	-.01540	.00429	1.02630
47.710	15.543	49.28065	.67050	.16853	.01987	.02362	-.01510	.00310	1.03292
47.370	20.815	50.20306	.97552	.34195	-.01448	.02717	-.01519	.00094	1.05981
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA04U) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 117/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.680	-.065	49.01942	-.06769	.07541	.03403	.04951	-.02325	.01157	1.02809
48.020	5.131	49.32892	.17065	.07710	.03141	.04566	-.02278	.00827	1.02726
47.660	10.329	48.96791	.41288	.10236	.02674	.03845	-.02161	.00672	1.02744
47.470	15.544	49.07779	.67066	.17157	.02401	.03434	-.02147	.00464	1.03387
47.650	20.806	50.50887	.96421	.33859	-.01250	.03500	-.02170	.00179	1.06000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA04V) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 118/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.560	-.067	49.02437	-.06964	.08385	.04015	.07140	-.03328	.01678	1.03079
47.610	5.125	49.02408	.16335	.08429	.03727	.06410	-.03215	.01253	1.02970
47.540	10.330	48.94040	.41333	.10876	.03194	.05624	-.03138	.00952	1.02946
47.740	15.540	49.44694	.66500	.17618	.02869	.05310	-.03051	.00657	1.03576
47.530	20.806	50.50780	.96181	.34593	-.00795	.05543	-.03040	.00273	1.06265
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA04W) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 119/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.790	-.054	48.96643	-.05445	.06426	.02555	-.08872	.00625	-.00586	1.02462
47.230	5.137	48.37870	.17963	.06844	.02352	-.09021	.00596	-.00888	1.02432
47.200	10.342	48.36601	.42911	.09609	.01912	-.09047	.00790	-.01308	1.02470
47.330	15.548	48.81809	.67660	.16529	.01196	-.08823	.00708	-.01503	1.03144
47.770	20.799	50.43857	.95966	.32419	-.01123	-.07738	.00170	-.01828	1.05586
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA04X) (28 APR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	5.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	5.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 120/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.850	-.057	49.03546	-.05834	.06483	.02789	-.07250	-.00156	-.00185	1.02477
47.610	5.138	48.77547	.18088	.06901	.02458	-.07594	-.00098	-.00449	1.02448
47.510	10.337	48.70359	.42318	.09654	.01949	-.07765	.00020	-.00995	1.02512
47.350	15.547	48.84689	.67581	.16565	.01321	-.07590	.00019	-.01260	1.03161
47.530	20.801	50.21761	.96140	.32692	-.01150	-.06237	-.00530	-.01817	1.05655
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA04Y) (28 APR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	5.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	10.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 121/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-.059	48.72103	-.06044	.06780	.02982	-.05664	-.00926	.00214	1.02571
47.460	5.138	48.66233	.18072	.07169	.02554	-.06057	-.00878	-.00254	1.02533
47.440	10.331	48.67577	.41588	.09840	.02250	-.06432	-.00672	-.00702	1.02605
47.390	15.542	48.93856	.66901	.16741	.01562	-.06343	-.00668	-.01017	1.03268
47.640	20.796	50.35712	.95490	.32620	-.00809	-.04901	-.01268	-.01618	1.05703
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE !(FTP OFF) (ZNA04Z) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 122/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.240	-.059	48.51911	-.06055	.07209	.03397	-.04274	-.01645	.00652	1.02708
47.510	5.131	48.77596	.17085	.07519	.02959	-.04705	-.01558	.00107	1.02665
47.360	10.331	48.65023	.41530	.10208	.02384	-.05111	-.01363	-.00555	1.02724
47.540	15.545	49.14778	.67137	.17158	.01879	-.05330	-.01306	-.00822	1.03382
47.560	20.799	50.34145	.95813	.33180	-.00572	-.03873	-.01946	-.01606	1.05848
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE !(FTP OFF) (ZNA05A) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 123/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.490	-.069	48.90912	-.07252	.08110	.03863	-.01923	-.02728	.01223	1.02988
47.630	5.129	49.01716	.16840	.08279	.03516	-.02837	-.02565	.00534	1.02912
47.560	10.328	48.96871	.41036	.10884	.02941	-.03312	-.02282	-.00223	1.02962
47.570	15.536	49.32372	.65956	.17841	.02153	-.03183	-.02276	-.00723	1.03687
47.670	20.792	50.59933	.94631	.33690	-.00307	-.01715	-.02817	- 01451	1.06145
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA05B) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 124/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.470	-.042	48.53653	-.04019	.05727	.01486	-.18983	.01614	-.00998	1.02247
47.540	5.146	48.60773	.19072	.06328	.01397	-.19199	.01809	-.01496	1.02246
47.480	10.343	48.63252	.43065	.09496	.01014	-.19419	.02148	-.02255	1.02427
47.480	15.573	49.00118	.70673	.17449	-.00956	-.18914	.02006	-.02471	1.03204
47.560	20.820	50.11128	.98664	.32668	-.03460	-.18564	.01870	-.02534	1.05364
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA05C) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	5.000

RUN NO. 125/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.480	-.044	48.54622	-.04263	.05727	.01457	-.17487	.00910	-.00646	1.02246
47.500	5.145	48.57232	.18952	.06357	.01299	-.17886	.01115	-.01174	1.02258
47.380	10.345	48.52098	.43288	.09469	.01180	-.18104	.01465	-.01992	1.02408
47.500	15.568	49.02232	.70149	.17323	-.00811	-.17751	.01424	-.02306	1.03205
47.380	20.824	49.90883	.99220	.32780	-.03346	-.17344	.01234	-.02449	1.05337
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA05D) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	10.000

RUN NO. 126/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-.047	48.59067	-.04525	.05890	.01720	-.15670	.00117	-.00244	1.02296
47.460	5.143	48.55548	.18699	.06500	.01504	-.16421	.00430	-.00929	1.02308
47.430	10.341	48.60400	.42870	.09619	.01228	-.16726	.00790	-.01844	1.02475
47.520	15.569	49.05782	.70157	.17425	-.00636	-.16264	.00833	-.02276	1.03236
47.540	20.821	50.10434	.98750	.32791	-.03259	-.16358	.00655	-.02410	1.05394
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA05E) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	15.000

RUN NO. 127/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.540	-.046	48.67667	-.04462	.06187	.01913	-.14259	-.00527	.00059	1.02391
47.480	5.142	48.60920	.18539	.06711	.01786	-.15296	-.00205	-.00625	1.02378
47.470	10.340	48.68897	.42675	.09883	.01451	-.15570	.00185	-.01618	1.02568
47.540	15.567	49.12401	.69879	.17660	-.00384	-.15397	.00203	-.02071	1.03332
47.630	20.816	50.24338	.98141	.32867	-.03029	-.14836	-.00038	-.02351	1.05487
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA05F) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	22.500

RUN NO. 128/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.670	-.050	48.93376	-.04870	.07009	.02863	-.11602	-.01754	.00623	1.02651
47.620	5.140	48.85852	.18197	.07388	.02513	-.12963	-.01228	-.00273	1.02601
47.640	10.336	48.94217	.42129	.10324	.01974	-.13657	-.00808	-.01421	1.02733
47.690	15.561	49.37039	.69044	.18062	.00118	-.13543	-.00840	-.01884	1.03524
47.600	20.816	50.29421	.97905	.33324	-.02163	-.12985	-.01013	-.02290	1.05660
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA05G) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 129/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.710	-.096	49.10429	-.10482	.11776	.07109	.00272	-.00087	-.00117	1.02922
47.550	5.092	48.89657	.12313	.11570	.06766	.00253	-.00019	-.00078	1.02832
47.900	10.298	49.22804	.37502	.13579	.06594	.00039	-.00019	-.00156	1.02773
47.460	15.507	49.10240	.62515	.20102	.06333	-.00493	-.00048	.00019	1.03461
47.690	20.773	50.60694	.92433	.36517	.02850	-.00123	-.00132	-.00075	1.06116
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA05H) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 130/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.410	-.095	48.80174	-.10403	.11697	.07313	.01166	-.00486	.00078	1.02936
47.580	5.091	48.94521	.12250	.11566	.06870	.01069	-.00350	-.00049	1.02869
47.720	10.298	49.06341	.37487	.13593	.06494	.00457	-.00302	.00000	1.02815
47.330	15.509	48.98642	.62761	.20162	.06341	.00271	-.00271	.00048	1.03500
47.700	20.773	50.64715	.92370	.36571	.02349	.00480	-.00367	-.00047	1.06179
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA05I) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 131/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.640	-.095	49.07730	-.10472	.11678	.07132	.01747	-.00728	.00146	1.03017
47.560	5.091	48.96085	.12251	.11528	.06923	.01613	-.00583	.00029	1.02945
47.370	10.296	48.73140	.37222	.13469	.06482	.00962	-.00505	.00010	1.02874
47.640	15.503	49.33329	.61985	.19891	.06249	.00512	-.00415	.00077	1.03554
47.580	20.768	50.51626	.91820	.36102	.02651	.00462	-.00490	-.00057	1.06171
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE !(ADS OFF) (ZNA05J) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 132/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.510	-.098	48.94839	-.10762	.11628	.07180	.01941	-.00806	.00146	1.03028
47.620	5.091	49.03516	.12238	.11516	.06834	.01894	-.00670	-.00039	1.02972
47.760	10.298	49.14203	.37448	.13466	.06324	.01118	-.00554	.00087	1.02894
47.780	15.506	49.48369	.62326	.19908	.06239	.00628	-.00521	.00126	1.03566
47.810	20.777	50.77788	.92796	.36448	.03026	.00894	-.00499	-.00169	1.06208
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE !(ADS OFF) (ZNA05K) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 133/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.730	-.095	49.05712	-.10380	.11335	.06924	-.08085	.00272	-.00331	1.02780
47.660	5.099	48.95283	.13232	.11243	.06520	-.08168	.00302	-.00789	1.02713
47.700	10.298	49.00036	.37461	.13430	.06130	-.08664	.00526	-.00964	1.02726
47.620	15.505	49.22267	.62359	.19773	.05777	-.08668	.00464	-.01287	1.03366
47.490	20.756	50.25607	.90704	.35058	.03614	-.06993	-.00406	-.01597	1.05825
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE I(ADS OFF) (ZNA05L) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 134/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.590	-.091	48.93312	-.09918	.11331	.07039	-.07314	-.00058	-.00146	1.02822
47.640	5.094	48.95977	.12593	.11276	.06624	-.07638	.00010	-.00545	1.02770
47.660	10.298	48.98252	.37443	.13462	.06137	-.07901	.00146	-.01012	1.02775
47.490	15.508	49.12283	.62586	.19933	.05832	-.07869	.00213	-.01247	1.03438
47.850	20.751	50.66253	.90035	.34889	.03574	-.06319	-.00614	-.01681	1.05878
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE I(ADS OFF) (ZNA05M) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 135/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.760	-.097	49.16227	-.10616	.11434	.06992	-.06499	-.00340	-.00097	1.02936
47.690	5.094	49.04283	.12633	.11210	.07028	-.06583	-.00340	-.00515	1.02837
47.450	10.299	48.81123	.37574	.13499	.06336	-.07369	-.00010	-.00982	1.02869
47.500	15.507	49.16633	.62505	.19861	.05789	-.07487	-.00039	-.01179	1.03508
47.670	20.759	50.51373	.90866	.35162	.03902	-.05917	-.00783	-.01595	1.05965
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE ((ADS OFF) (ZNA05N) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 136/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.760	-.094	49.17045	-.10352	.11384	.06923	-.06391	-.00398	-.00039	1.02953
47.380	5.095	48.74588	.12734	.11263	.06529	-.06920	-.00292	-.00389	1.02883
47.450	10.299	48.81903	.37510	.13448	.05936	-.07241	-.00146	-.00914	1.02885
47.670	15.508	49.35564	.62595	.19875	.05739	-.07147	-.00087	-.01149	1.03536
47.530	20.755	50.36678	.90448	.34944	.03383	-.05804	-.00812	-.01604	1.05968
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE ((ADS OFF) (ZNA050) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 137/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.810	-.077	48.93993	-.08302	.09976	.05761	-.18786	.01514	-.00821	1.02363
47.530	5.108	48.66929	.14396	.10321	.05486	-.19073	.01758	-.01426	1.02397
47.750	10.306	48.96156	.38553	.12987	.05283	-.19544	.02019	-.01980	1.02537
47.630	15.529	49.19942	.65257	.20203	.03574	-.18655	.01965	-.02333	1.03295
47.330	20.781	49.91091	.93991	.35011	.01209	-.18169	.01328	-.02266	1.05453
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA05P) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	84.500	RUDDER =	3.500

RUN NO. 138/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.520	-.078	48.67474	-.08346	.10067	.05700	-.17749	.01113	-.00625	1.02430
47.860	5.110	49.02002	.14627	.10299	.05445	-.18404	.01455	-.01230	1.02424
47.790	10.307	49.00888	.38597	.12917	.05292	-.18869	.01775	-.01882	1.02551
47.490	15.529	49.06374	.65323	.20160	.03303	-.18516	.01704	-.02149	1.03314
47.890	20.777	50.51675	.93498	.34830	.01160	-.17263	.01185	-.02275	1.05485
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA05Q) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	80.000	RUDDER =	5.500

RUN NO. 139/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.450	-.080	48.65260	-.08581	.10125	.05723	-.16892	.00780	-.00497	1.02534
47.430	5.109	48.62446	.14418	.10309	.05421	-.17655	.01151	-.01151	1.02518
47.410	10.307	48.65812	.38644	.12906	.05172	-.18357	.01491	-.01754	1.02633
47.370	15.529	48.95921	.65278	.20007	.03370	-.17909	.01480	-.02196	1.03355
47.210	20.780	49.84202	.93769	.34933	.00952	-.16803	.00871	-.02292	1.05575
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA05R) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	78.500	RUDDER =	6.000

RUN NO. 140/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.560	-.078	48.77294	-.08385	.10075	.05888	-.16870	.00712	-.00371	1.02550
47.130	5.110	48.31123	.14527	.10184	.05550	-.17492	.01083	-.01112	1.02506
47.600	10.309	48.85964	.38863	.12885	.05093	-.18120	.01461	-.01832	1.02646
47.540	15.526	49.14851	.64931	.19924	.03262	-.17421	.01451	-.02292	1.03384
47.910	20.778	50.58546	.93439	.34759	.01121	-.16480	.00862	-.02311	1.05584
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA05S) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000

RUN NO. 141/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	RUDDER	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.240	-22.907	48.64355	.41032	.10912	.03019	-.06060	.03020	-.00903	1.02971
47.740	-15.162	49.05388	.41577	.10303	.02441	-.04496	.02151	-.00496	1.02752
47.530	-10.072	48.78089	.42190	.10013	.02259	-.03098	.01452	-.00429	1.02632
47.600	-5.054	48.81754	.42104	.09767	.02114	-.01765	.00702	-.00166	1.02558
47.530	.043	48.74431	.42105	.09757	.02114	-.00234	-.00049	.00078	1.02555
47.640	5.082	48.85690	.42115	.09757	.02124	.01248	-.00848	.00273	1.02554
47.570	10.140	48.82336	.41858	.09974	.02259	.02670	-.01520	.00448	1.02635
47.570	14.990	48.86816	.41761	.10257	.02568	.03777	-.02171	.00711	1.02729
47.430	22.915	48.82760	.41178	.10857	.02893	.05615	-.03138	.00933	1.02947
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA05T) (28 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 142/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.510	5.150	48.52080	.19505	.05983	.01360	-.09302	.00705	-.00774	1.02128
47.650	10.351	48.70220	.44116	.08959	.01163	-.09080	.00753	-.01252	1.02208
47.420	15.562	48.79690	.69617	.16227	.00654	-.08960	.00719	-.01370	1.02902
47.540	20.810	50.23400	.97107	.32385	-.02374	-.07722	.00710	-.01836	1.05667
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA05U) (28 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000

RUN NO. 143/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.620	-.035	48.55238	-.03050	.04802	.00794	-.18596	.01383	-.00863	1.01958
47.660	5.154	48.60305	.20083	.05551	.00754	-.18798	.01569	-.01451	1.01979
47.870	10.354	48.89452	.44547	.08808	.00527	-.18778	.01841	-.02203	1.02140
47.280	15.576	48.66833	.71313	.16756	-.01337	-.18157	.01788	-.02555	1.02936
47.740	20.824	50.20297	.99427	.32294	-.03761	-.17887	.01379	-.02501	1.05159
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA05V) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 144/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.650	-.044	48.71433	-.04215	.05688	.01544	-.19084	.01692	-.01056	1.02234
47.530	5.147	48.60061	.19198	.06357	.01378	-.19276	.01829	-.01584	1.02252
47.640	10.349	48.78231	.43898	.09528	.01170	-.19170	.02109	-.02305	1.02398
47.920	15.574	49.44802	.70838	.17442	-.00667	-.18597	.02093	-.02568	1.03189
47.210	20.816	49.73978	.98289	.32518	-.03127	-.18546	.01803	-.02515	1.05359
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1+NOSE GEAR(ADS OFF) (ZNA05W) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.000	RUDDER =	.000

RUN NO. 145/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.450	-.089	48.89179	-.09645	.12103	.06733	.00262	-.00019	-.00097	1.03039
47.710	5.097	49.10360	.12924	.11871	.06633	.00223	-.00039	-.00117	1.02921
47.790	10.302	49.14629	.37887	.13833	.06220	-.00126	-.00019	-.00029	1.02838
47.640	15.510	49.29988	.62906	.20262	.06070	-.00502	-.00019	.00058	1.03484
47.680	20.754	50.50575	.90314	.35241	.03667	.00151	-.00217	-.00113	1.05926
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1+NOSE GEAR(ADS OFF) (ZNA05X) (28 APR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO			BETA =	5.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO			AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO			SPDBRK =	87.000	RUDDER =	.000
SCALE =	.3600										

PARAMETRIC DATA

RUN NO. 146/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.630	-.087	48.99278	-.09419	.11550	.06735	-.08429	.00175	-.00379	1.02861
47.570	5.102	48.89721	.13563	.11498	.06214	-.08785	.00253	-.00584	1.02790
47.600	10.304	48.92846	.38157	.13723	.05698	-.08833	.00438	-.01099	1.02791
47.600	15.506	49.23705	.62441	.20020	.05706	-.08691	.00464	-.01286	1.03439
47.810	20.751	50.65321	.89957	.35188	.03232	-.06333	-.00481	-.01897	1.05947
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1+NOSE GEAR(ADS OFF) (ZNA05Y) (28 APR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO			BETA =	10.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO			AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO			SPDBRK =	87.000	RUDDER =	.000
SCALE =	.3600										

PARAMETRIC DATA

RUN NO. 147/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.690	-.073	48.86423	-.07816	.10269	.05434	-.19129	.01259	-.00995	1.02462
47.470	5.110	48.66415	.14594	.10700	.05324	-.19061	.01561	-.01570	1.02516
47.620	10.303	48.89993	.38107	.13396	.05052	-.19194	.01821	-.02191	1.02688
47.590	15.537	49.24093	.66191	.20961	.03221	-.18344	.01585	-.02484	1.03469
47.460	20.779	50.01920	.93732	.34737	.02291	-.16994	.00835	-.02628	1.05392
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1+NOSE GEAR(FTP,ADS OFF) (ZNA05Z) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 148/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.710	-.050	48.95293	-.04892	.06164	.01938	.00156	-.00039	-.00058	1.02605
47.510	5.148	48.69946	.19248	.06449	.01891	-.00156	-.00049	-.00020	1.02504
47.730	10.347	48.94304	.43573	.09232	.01334	-.00215	-.00039	-.00020	1.02541
47.530	15.559	49.04679	.68986	.16298	.01049	-.00136	-.00019	-.00097	1.03191
47.600	20.802	50.30632	.96244	.32143	-.01396	.00132	-.00151	-.00085	1.05686
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1+NOSE GEAR(FTP,ADS OFF) (ZNA06A) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 149/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.470	-.047	48.65962	-.04613	.05848	.01511	-.09287	.00537	-.00429	1.02506
47.600	5.147	48.77216	.19178	.06315	.01082	-.09447	.00537	-.00712	1.02463
47.470	10.342	48.67822	.42909	.09144	.00828	-.09147	.00634	-.01043	1.02545
47.480	15.552	49.00481	.68100	.16150	.00497	-.08943	.00746	-.01337	1.03211
47.520	20.802	50.23520	.96266	.32238	-.01991	-.07199	.00085	-.02072	1.05714
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1+NOSE GEAR(FTP,ADS OFF) (ZNA06B) (28 APR 82)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	BETA	=	10.000	ELEVON = .000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	AILRON	=	.000	BDFLAP = .000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDBRK	=	.000	RUDDER = .000
SCALE	=	.3600									

PARAMETRIC DATA

RUN NO. 150/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.500	-.037	48.60194	-.03322	.05244	.00850	-.18745	.01007	-.00899	1.02320
47.210	5.149	48.30335	.19362	.05865	.00703	-.18726	.01231	-.01515	1.02316
47.360	10.344	48.56354	.43125	.09164	.00487	-.18617	.01580	-.02214	1.02541
47.620	15.575	49.22708	.70865	.17343	-.01400	-.18312	.01422	-.02505	1.03375
47.570	20.823	50.20085	.98897	.32588	-.03625	-.17369	.01184	-.02139	1.05531
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP AND ADS OFF) (ZNA06C) (28 APR 82)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	BETA	=	.000	ELEVON = .000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	AILRON	=	.000	BDFLAP = .000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDBRK	=	.000	RUDDER = .000
SCALE	=	.3600									

PARAMETRIC DATA

RUN NO. 151/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.680	-.056	48.88059	-.05696	.05905	.02076	.00361	-.00098	.00010	1.02518
47.610	5.140	48.78117	.18251	.06247	.01902	.00049	-.00088	-.00010	1.02460
47.670	10.340	48.85864	.42667	.08944	.01442	-.00361	-.00068	.00107	1.02493
47.610	15.551	49.12474	.68072	.16048	.00943	-.00068	-.00068	.00000	1.03182
47.690	20.824	50.48556	.98729	.33563	-.02669	-.00009	-.00151	-.00076	1.05862
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP AND ADS OFF) (ZNA06D) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 152/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.560	-.057	48.77754	-.05800	.06039	.02329	.01862	-.00848	.00410	1.02560
47.720	5.140	48.90479	.18325	.06323	.02125	.01600	-.00849	.00293	1.02483
47.480	10.340	48.68411	.42717	.09086	.01530	.01024	-.00780	.00263	1.02536
47.580	15.556	49.10658	.68587	.16257	.01146	.00950	-.00833	.00271	1.03208
47.660	20.824	50.45441	.98690	.33553	-.02272	.01285	-.00812	-.00038	1.05863
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP AND ADS OFF) (ZNA06E) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 153/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.620	-.054	48.88369	-.05454	.06326	.02502	.03176	-.01559	.00799	1.02654
47.720	5.139	48.95584	.18141	.06648	.02162	.02778	-.01530	.00604	1.02590
47.540	10.338	48.79085	.42337	.09331	.01606	.02299	-.01481	.00526	1.02631
47.750	15.553	49.32382	.68219	.16446	.01357	.02101	-.01501	.00387	1.03296
47.610	20.822	50.43150	.98480	.33674	-.02054	.02709	-.01473	.00028	1.05926
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP AND ADS OFF) (ZNA06F) (28 APR 82)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	BETA	=	.000	ELEVON = .000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	AILRON	=	.000	BDFLAP = .000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDBRK	=	.000	RUDDER = 15.000
SCALE	=	.3600									

PARAMETRIC DATA

RUN NO. 154/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.520	-.056	48.85726	-.05640	.06832	.02878	.04367	-.02062	.01050	1.02814
47.620	5.138	48.92606	.17938	.07115	.02480	.04137	-.02102	.00759	1.02743
47.750	10.338	49.06814	.42322	.09738	.02051	.03396	-.02063	.00671	1.02761
47.570	15.550	49.19748	.67769	.16736	.01579	.03452	-.02108	.00387	1.03421
47.610	20.822	50.51497	.98251	.34137	-.01871	.03657	-.02111	.00132	1.06102
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP AND ADS OFF) (ZNA06G) (28 APR 82)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	BETA	=	.000	ELEVON = .000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	AILRON	=	.000	BDFLAP = .000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDBRK	=	.000	RUDDER = 20.500
SCALE	=	.3600									

PARAMETRIC DATA

RUN NO. 155/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.510	-.061	48.93061	-.06213	.07393	.03242	.05039	-.02418	.01359	1.02990
47.600	5.135	48.98541	.17588	.07618	.02933	.04897	-.02507	.00981	1.02911
47.580	10.335	48.97658	.41901	.10226	.02417	.04605	-.02506	.00767	1.02935
47.680	15.550	49.39372	.67627	.17248	.02165	.04074	-.02500	.00541	1.03594
47.440	20.819	50.40044	.97737	.34384	-.01247	.04405	-.02532	.00141	1.06240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP AND ADS OFF) (ZNA06H) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 156/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.640	-.047	48.78592	-.04628	.05532	.01844	-.09238	.00674	-.00469	1.02405
47.700	5.147	48.82138	.19140	.05961	.01591	-.09155	.00694	-.00821	1.02351
47.530	10.343	48.69598	.43025	.08869	.01287	-.09048	.00732	-.01152	1.02453
47.460	15.556	48.94341	.68729	.16027	.00711	-.08824	.00679	-.01367	1.03126
47.670	20.810	50.34569	.97286	.32278	-.01899	-.07821	.00265	-.01903	1.05613
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP AND ADS OFF) (ZNA061) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 157/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.530	-.050	48.68981	-.04958	.05647	.02000	-.07517	-.00098	-.00195	1.02440
47.550	5.145	48.68782	.18869	.06075	.01757	-.07754	-.00088	-.00508	1.02393
47.470	10.342	48.65013	.42894	.08954	.01326	-.07855	.00088	-.00956	1.02486
47.480	15.554	48.98288	.68460	.16089	.00749	-.07609	.00039	-.01202	1.03165
47.650	20.806	50.32721	.96769	.32116	-.01757	-.06353	-.00464	-.01733	1.05619
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP AND ADS OFF) (ZNA06J) (28 APR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	5.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	.000	RUDDER =	10.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 158/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.460	-.051	48.66839	-.05089	.05982	.02262	-.05851	-.00858	.00215	1.02546
47.530	5.145	48.71258	.18822	.06372	.02009	-.06508	-.00771	-.00117	1.02488
47.310	10.341	48.52064	.42805	.09172	.01627	-.06669	-.00566	-.00712	1.02559
47.450	15.583	49.06390	.71824	.17668	.01135	-.06393	-.00677	-.01025	1.03401
47.870	20.783	50.47100	.94189	.30654	-.01561	-.04742	-.01318	-.01612	1.05433
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP AND ADS OFF) (ZNA06K) (28 APR 82)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	5.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	.000	RUDDER =	15.000
SCALE =	.3600								

PARAMETRIC DATA

RUN NO. 159/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.480	-.055	48.75408	-.05579	.06422	.02697	-.04577	-.01519	.00662	1.02683
47.690	5.140	48.94151	.18242	.06763	.02337	-.05125	-.01423	.00185	1.02624
47.600	10.326	48.88089	.40930	.09316	.01614	-.05473	-.01208	-.00497	1.02691
47.680	15.549	49.28964	.67711	.16579	.01211	-.05533	-.01229	-.00880	1.03376
47.830	20.785	50.53270	.94241	.31349	-.01520	-.03568	-.02007	-.01467	1.05651
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP AND ADS OFF) (ZNA06L) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	20.500

RUN NO. 160/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.360	-.050	48.71635	-.04967	.06975	.03266	-.03830	-.01896	.00787	1.02864
47.530	5.141	48.86455	.18335	.07344	.02654	-.04280	-.01906	.00311	1.02808
47.680	10.336	49.04604	.41998	.10020	.02224	-.04491	-.01711	-.00350	1.02865
47.630	15.547	49.33477	.67308	.17125	.01460	-.04499	-.01767	-.00743	1.03579
47.440	20.800	50.32333	.95653	.33155	-.01004	-.02894	-.02460	-.01461	1.06078
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA06M) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 161/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.610	-.038	48.65470	-.03454	.04850	.00890	-.18191	.01321	-.00890	1.02194
47.540	5.151	48.59011	.19685	.05548	.00733	-.18570	.01507	-.01526	1.02209
47.550	10.352	48.66897	.44210	.08731	.00516	-.18700	.01768	-.02247	1.02353
47.970	15.573	49.49080	.70773	.16670	-.01287	-.18280	.01783	-.02549	1.03170
47.730	20.823	50.27926	.99132	.32077	-.03575	-.17733	.01414	-.02525	1.05341
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA06N) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	5.000

RUN NO. 162/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.570	-.037	48.61846	-.03306	.04879	.00958	-.16888	.00665	-.00587	1.02204
47.700	5.151	48.75715	.19625	.05567	.00879	-.17179	.00822	-.01164	1.02216
47.440	10.349	48.57071	.43885	.08778	.00556	-.17493	.01153	-.01983	1.02383
47.630	15.572	49.14941	.70585	.16686	-.01180	-.16901	.01095	-.02432	1.03190
47.520	20.823	50.07987	.99060	.32196	-.03573	-.16710	.00588	-.02477	1.05387
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA060) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	10.000

RUN NO. 163/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.640	5.150	48.73062	.19474	.05788	.00957	-.15974	.00215	-.00978	1.02289
47.480	10.348	48.63859	.43694	.08929	.00750	-.16410	.00508	-.01777	1.02440
47.500	15.575	49.04652	.70870	.16966	-.01033	-.16154	.00523	-.02150	1.03256
47.740	20.820	50.33415	.98684	.32210	-.03505	-.15868	.00104	-.02419	1.05434
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE I(ADS OFF) (ZNA06P) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	15.000

RUN NO. 164/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.630	-.040	48.76619	-.03691	.05456	.01406	-.14182	-.00606	.00098	1.02385
47.450	5.148	48.58278	.19290	.06085	.01230	-.14865	-.00352	-.00635	1.02387
47.590	10.346	48.80155	.43415	.09222	.00964	-.15427	-.00049	-.01570	1.02546
47.510	15.566	49.09515	.69818	.16962	-.00926	-.14845	-.00029	-.02148	1.03336
47.820	20.818	50.46981	.98337	.32423	-.03407	-.14573	-.00407	-.02302	1.05541
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE I(ADS OFF) (ZNA06Q) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	20.500

RUN NO. 165/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.640	-.043	48.85833	-.04114	.06002	.01735	-.13017	-.01131	.00332	1.02557
47.600	5.147	48.80846	.19164	.06554	.01539	-.13919	-.00878	-.00507	1.02539
47.570	10.342	48.85245	.42885	.09617	.01274	-.14246	-.00555	-.01441	1.02696
47.760	15.561	49.43090	.69109	.17303	-.00490	-.14106	-.00512	-.01961	1.03499
47.670	20.817	50.35367	.98094	.32614	-.03082	-.13737	-.00956	-.02272	1.05630
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA06R) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 167/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.470	-5.243	48.69658	-.28463	.08170	.03489	.00341	-.00146	-.00058	1.02584
47.570	-2.651	48.80358	-.17218	.07304	.03163	.00253	-.00107	-.00049	1.02593
47.600	-.058	48.82273	-.05858	.06770	.03118	.00175	-.00078	-.00058	1.02569
47.550	2.540	48.76522	.06111	.06734	.03069	.00273	-.00068	-.00020	1.02558
47.580	5.139	48.76994	.18176	.07073	.02808	-.00029	-.00049	-.00029	1.02501
47.810	7.739	48.98404	.30321	.07957	.02492	-.00156	-.00078	.00146	1.02456
47.630	10.342	48.82421	.42954	.09733	.02369	-.00117	-.00039	.00000	1.02507
47.580	11.379	48.81404	.47453	.10715	.02391	-.00175	-.00078	.00000	1.02594
47.690	12.421	48.96453	.52558	.11856	.02537	-.00195	-.00078	.00107	1.02673
47.670	13.462	49.00447	.57400	.13189	.02357	-.00214	-.00078	.00097	1.02799
47.600	14.505	49.01775	.62521	.14831	.02246	-.00126	-.00049	.00068	1.02978
47.680	15.549	49.19947	.67836	.16706	.01873	-.00058	-.00078	-.00048	1.03187
47.520	16.601	49.18840	.73944	.19255	.01423	.00039	-.00097	-.00048	1.03511
47.620	17.651	49.46863	.79661	.21977	.01140	.00067	-.00135	.03485	1.03882
47.520	18.708	49.58165	.86147	.25321	.00259	.00115	-.00077	-.00048	1.04339
47.490	19.768	49.86379	.92802	.29515	-.00820	-.00057	.00010	-.00029	1.04999
47.660	20.817	50.46802	.97879	.34035	-.01733	.00057	-.00019	-.00028	1.05892
	GRADIENT	-.00739	.04494	-.00110	-.00018	.00004	.00008	.00006	-.00007

OA100 TARE+INTF+BLKGE !(ADS OFF) (ZNA06S) (28 APR 82)

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 = .3600

PARAMETRIC DATA

BETA = -5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000

RUN NO. 47/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.360	-5.233	96.61790	-.27286	.07454	.03147	.10313	-.00938	-.00078	1.02393
94.320	-2.640	96.58794	-.15893	.06635	.02957	.10175	-.00889	.00059	1.02405
94.430	-.047	96.69285	-.04609	.06206	.02726	.10030	-.00850	.00244	1.02396
94.430	2.550	96.67391	.07333	.06200	.02637	.09914	-.00860	.00469	1.02376
94.430	5.148	96.65649	.19246	.06693	.02404	.09818	-.00889	.00528	1.02358
94.320	7.747	96.54468	.31424	.07769	.02146	.10092	-.00987	.00635	1.02359
94.550	10.348	96.85341	.43716	.09622	.01933	.09879	-.01113	.00966	1.02436
94.320	11.396	96.64659	.49512	.10661	.01743	.09701	-.01132	.01132	1.02467
94.410	12.437	96.82022	.54510	.11841	.01831	.09478	-.01121	.01199	1.02553
94.660	13.479	97.19985	.59569	.13262	.01700	.09466	-.01188	.01315	1.02683
94.570	14.522	97.28049	.64679	.14954	.01590	.09517	-.01196	.01303	1.02866
94.550	15.570	97.47154	.70411	.17022	.01334	.09332	-.01154	.01368	1.03090
94.360	16.617	97.59700	.75886	.19512	.00827	.09272	-.01025	.01267	1.03431
94.270	17.676	97.90451	.82695	.22763	.00084	.08984	-.00828	.01107	1.03855
94.500	18.727	98.65424	.88485	.26227	-.00630	.08468	-.00671	.01226	1.04396
94.570	19.777	99.26732	.93925	.29790	-.01218	.08403	-.00600	.01372	1.04967
94.590	20.820	100.12333	.98287	.34048	-.01477	.09107	-.01143	.01455	1.05850
94.340	21.861	100.62731	1.02293	.38016	-.01967	.09497	-.01444	.01603	1.06665
	GRADIENT	.01656	.04475	-.00084	-.00062	-.00050	.00006	.00079	-.00005

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA06T) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 168/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.490	-5.236	48.71099	-.27599	.08046	.03412	-.03695	.00195	-.00010	1.02571
47.640	-2.648	48.86249	-.16881	.07199	.03047	-.03471	.00205	-.00058	1.02566
47.650	-.056	48.87012	-.05713	.06741	.02982	-.03539	.00263	-.00156	1.02561
47.620	2.539	48.83311	.05965	.06706	.02835	-.03657	.00263	-.00117	1.02547
47.610	5.139	48.79371	.18149	.07026	.02672	-.03874	.00293	-.00137	1.02486
47.580	7.739	48.74654	.30439	.07957	.02288	-.03875	.00273	-.00254	1.02452
47.630	10.339	48.82726	.42551	.09693	.02291	-.03668	.00263	-.00419	1.02514
47.580	11.382	48.79933	.47828	.10680	.02255	-.03754	.00293	-.00468	1.02563
47.620	12.421	48.89269	.52451	.11837	.02333	-.03837	.00312	-.00292	1.02673
47.510	13.462	48.84260	.57407	.13207	.02231	-.03745	.00311	-.00302	1.02805
47.530	14.508	48.94488	.62988	.14928	.02062	-.03719	.00301	-.00282	1.02977
47.560	15.551	49.08766	.68051	.16837	.01766	-.03691	.00271	-.00436	1.03212
47.730	16.598	49.41334	.73478	.19184	.01277	-.03593	.00251	-.00367	1.03527
47.530	17.653	49.37693	.79890	.22053	.00871	-.03533	.00135	-.00375	1.03886
47.600	18.709	49.65879	.86264	.25315	.00422	-.03173	.00019	-.00268	1.04325
47.740	19.762	50.10843	.92092	.29163	-.00554	-.03096	-.00095	-.00429	1.04961
47.450	20.817	50.25630	.97849	.34094	-.01780	-.03163	.00142	-.00651	1.05914
	GRADIENT	-.00567	.04404	-.00095	-.00041	-.00036	.00011	-.00011	-.00004

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA06U) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 169/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.530	-5.219	48.58153	-.25671	.06735	.01918	-.19146	.01595	-.00519	1.02212
47.640	-2.630	48.69286	-.14798	.05963	.01737	-.19166	.01575	-.00792	1.02210
47.640	-.041	48.70344	-.03863	.05679	.01496	-.19035	.01663	-.01066	1.02232
47.710	2.553	48.77988	.07675	.05788	.01523	-.19063	.01721	-.01242	1.02242
47.620	5.146	48.68478	.19113	.06300	.01339	-.19338	.01868	-.01516	1.02236
47.620	7.650	48.69586	.19438	.06395	-.01240	-.19167	.01702	-.01486	1.02259
47.620	10.348	48.75172	.43712	.09433	.01063	-.19223	.02110	-.02256	1.02377
47.740	11.389	48.91570	.48675	.10505	.00822	-.19207	.02137	-.02450	1.02463
47.600	12.433	48.81613	.54012	.11753	.00590	-.19102	.02194	-.02555	1.02555
47.480	13.480	48.74653	.59724	.13245	.00267	-.18984	.02260	-.02708	1.02668
47.500	14.523	48.89159	.64775	.15178	-.00307	-.19042	.02186	-.02575	1.02930
47.620	15.575	49.12576	.70963	.17389	-.00976	-.18718	.02026	-.02501	1.03162
47.600	16.625	49.26294	.76787	.19954	-.01205	-.18310	.01855	-.02435	1.03494
47.500	17.671	49.34793	.82090	.22697	-.01324	-.17971	.01761	-.02541	1.03890
47.550	18.721	49.59191	.87785	.25687	-.01649	-.18304	.01755	-.02598	1.04294
47.530	19.768	49.65454	.93339	.28027	-.00805	-.18436	.01254	-.02498	1.04470
47.670	20.819	49.84069	.99343	.30348	.00951	-.18536	.00603	-.02496	1.04554
	GRADIENT	.01679	.04336	-.00034	-.00041	.00020	.00028	-.00087	.00006

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA06V) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 166/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.850	-.063	48.93411	-.06482	.07709	.04007	-.18882	.01662	-.01095	1.02266
47.460	5.129	48.56829	.16974	.08355	.03653	-.19084	.01847	-.01573	1.02335
47.510	10.327	48.67565	.41151	.11172	.03180	-.19423	.02118	-.02245	1.02454
47.600	15.553	49.13576	.68216	.18782	.01262	-.18755	.01976	-.02557	1.03226
47.540	20.804	50.06544	.96870	.33700	-.01144	-.18497	.01747	-.02507	1.05312
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA06W) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 170/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.520	-5.246	48.88190	-.28725	.09081	.03528	-.02100	.00875	.03772	1.02866
47.570	-2.655	48.93521	-.17687	.08197	.03164	-.02352	.00778	.03801	1.02870
47.500	-.063	48.85125	-.06504	.07646	.03013	-.02781	.00729	.03870	1.02845
47.400	2.538	48.73669	.05775	.07553	.03071	-.03034	.00603	.03949	1.02820
47.470	5.136	48.78957	.17747	.07920	.02752	-.03503	.00477	.04106	1.02780
47.370	7.735	48.66627	.29858	.08792	.01844	-.03962	.00341	.04224	1.02736
47.510	10.336	48.84360	.42089	.10550	.02459	-.04222	.00195	.04280	1.02807
47.670	12.934	49.11184	.53933	.13226	.02459	-.04378	.00019	.04339	1.03025
47.560	15.548	49.23859	.67476	.17703	.01770	-.04607	-.00126	.04520	1.03529
47.370	18.171	49.45841	.81716	.24222	.00684	-.04684	-.00326	.04406	1.04409
47.610	20.811	50.55952	.96809	.34597	-.01455	-.04021	-.00744	.04087	1.06195
47.440	25.982	52.46263	1.12445	.53767	-.00795	-.02387	-.01239	.03246	1.10587
	GRADIENT	-.03823	.04518	-.00124	-.00018	-.00131	-.00034	.00028	-.00010

OA100 TARE+INTF+BLKGE 1(ADS OFF) (ZNA06X) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	10.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 171/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.650	-13.000	48.85960	.42794	.09808	.01276	.21104	-.02555	.06983	1.02539
47.520	-10.000	48.75535	.42438	.09948	.01675	.15156	-.01998	.06530	1.02600
47.410	-2.000	48.73913	.42101	.10541	.02489	-.00632	-.00156	.04941	1.02803
47.410	.000	48.74545	.41871	.10549	.02557	-.03920	.00185	.04357	1.02817
47.600	5.000	48.90307	.43149	.10490	.01653	-.13189	.01129	.03056	1.02738
47.380	10.000	48.63920	.44595	.10459	.00437	-.23525	.02474	.02026	1.02658
47.390	15.000	48.65331	.45604	.10643	-.00488	-.31841	.02649	.01305	1.02666
47.200	20.000	48.67840	.42635	.11652	-.00776	-.33985	.01357	.00572	1.03132
	GRADIENT	.02498	.00170	-.00008	-.00131	-.01805	.00185	-.00268	-.00011

OA100 TARE+INTF+BLKGE 1+TUFTS (ADS OFF) (ZNA06Y) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 172/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
9.590	-.074	9.85235	-.07912	.09210	.05242	.00613	-.00078	-.00097	1.02736
9.630	5.120	9.88912	.15786	.09396	.05770	.00740	-.00117	-.00243	1.02691
9.660	10.325	9.91675	.40797	.11764	.05733	.00711	-.00136	-.00224	1.02658
9.630	15.532	9.93973	.65762	.18174	.05163	.00426	-.00107	-.00252	1.03216
9.490	20.764	9.98154	.92173	.31698	.01580	.00371	-.00048	-.00352	1.05180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 173/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
19.020	-.074	19.53401	-.07876	.09106	.05524	.00331	-.00029	-.00088	1.02703
19.040	5.117	19.54293	.15462	.09225	.05449	.00224	-.00078	-.00117	1.02641
19.090	10.324	19.59362	.40629	.11678	.05196	.00078	-.00068	-.00039	1.02638
19.080	15.531	19.71430	.65548	.18464	.03966	.00087	-.00077	-.00155	1.03324
19.090	20.782	20.12940	.94103	.33164	.01404	-.00379	.00303	-.00133	1.05445
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 174/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.410	-5.253	48.69705	-.29673	.10573	.05714	.00146	-.00097	-.00127	1.02715
47.630	-2.664	48.92715	-.18773	.09678	.05437	.00185	-.00058	-.00029	1.02723
47.490	-.074	48.77366	-.07817	.09106	.05285	.00253	-.00068	-.00097	1.02703
47.330	2.522	48.60432	.03883	.08993	.05129	.00321	-.00049	-.00146	1.02692
47.640	5.119	48.89248	.15659	.09197	.04879	.00166	-.00039	-.00127	1.02629
47.460	7.720	48.68509	.27954	.09984	.04722	-.00117	-.00029	-.00068	1.02581
47.660	10.323	48.90798	.40530	.11603	.04432	-.00166	-.00049	.00049	1.02619
47.580	12.922	48.91588	.52539	.14148	.04750	-.00117	-.00068	-.00049	1.02808
47.590	15.533	49.14499	.65740	.18329	.04215	-.00184	-.00029	.00000	1.03267
47.610	18.150	49.54269	.79348	.24294	.03443	-.00010	.00106	-.00202	1.04059
47.580	20.791	50.27071	.95004	.34121	.01027	-.00738	.00549	-.00189	1.05655
47.190	25.987	52.05457	1.13273	.55046	.00518	-.00091	.00036	-.00317	1.10309
	GRADIENT	-.06225	.04369	-.00132	-.00059	.00026	.00002	-.00023	-.00006

OA100 TARE+INTF+BLKGE 1+TUFTS (ADS OFF) (ZNA06Z) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 175/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.750	-5.249	48.97154	-.29280	.10044	.04981	-.08815	.00478	-.00302	1.02558
47.650	-2.660	48.85986	-.18426	.09081	.04822	-.08875	.00497	-.00361	1.02539
47.580	-.070	48.79409	-.07332	.08623	.04718	-.08835	.00497	-.00468	1.02552
47.400	2.526	48.61598	.04356	.08605	.04531	-.08765	.00507	-.00692	1.02565
47.470	5.122	48.67452	.16034	.08933	.04299	-.08953	.00536	-.00770	1.02537
47.640	7.725	48.82850	.28710	.09788	.03974	-.09152	.00576	-.00985	1.02495
47.450	10.326	48.65781	.40968	.11435	.03675	-.09167	.00702	-.01092	1.02545
47.530	12.928	48.81893	.53348	.13996	.03742	-.08928	.00808	-.01314	1.02712
47.690	15.537	49.19616	.66304	.18116	.03463	-.08976	.00843	-.01289	1.03158
47.480	18.155	49.35710	.80034	.24155	.02783	-.08475	.00702	-.01193	1.03953
47.590	20.788	50.30443	.94601	.34133	.00752	-.07540	.00189	-.01807	1.05704
47.360	25.983	52.09587	1.13146	.54091	.00192	-.08345	.01300	-.01718	1.10000
	GRADIENT	-.04703	.04393	-.00092	-.00056	.00021	.00002	-.00064	.00005

OA100 TARE+INTF+BLKGE 1 (ZNA07A) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 176/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.180	-.048	96.45965	-.04647	.06283	.02882	-.09266	.00713	-.00879	1.02421
94.280	5.145	96.53642	.18849	.06778	.02286	-.09366	.00703	-.00967	1.02393
94.750	10.344	97.09431	.43153	.09658	.02020	-.09163	.00849	-.01317	1.02474
94.370	15.559	97.33403	.69000	.16839	.01547	-.09220	.00970	-.01357	1.03141
94.330	20.825	99.67199	.99000	.33720	-.01630	-.08442	.00577	-.01666	1.05663
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1 (ZNA07B) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 177/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.560	-5.240	97.01659	-.28109	.08179	.03705	.00117	-.00166	-.00088	1.02598
94.350	-2.649	96.79171	-.17014	.07275	.03595	.00117	-.00136	-.00146	1.02588
94.170	-.056	96.57868	-.05674	.06732	.03395	.00078	-.00107	-.00166	1.02558
94.450	2.541	96.83727	.06220	.06648	.03296	.00068	-.00088	-.00146	1.02528
94.510	5.138	96.85943	.18013	.07016	.02840	.00049	-.00127	-.00244	1.02486
94.320	7.738	96.62267	.30296	.07909	.02642	.00098	-.00127	-.00176	1.02441
94.710	10.348	97.06572	.43645	.09774	.02498	-.00098	-.00078	-.00088	1.02487
94.310	12.946	96.87915	.55541	.12583	.02752	-.00068	-.00049	.00019	1.02724
94.310	15.557	97.34129	.68709	.17002	.02049	.00048	-.00058	-.00010	1.03214
94.550	18.382	98.37251	.83251	.23519	.01142	-.00317	.00067	.00019	1.04043
	GRADIENT	.00880	.04477	-.00121	-.00058	-.00009	.00009	-.00000	-.00012

OA100 TARE+INTF+BLKGE 1 (ZNA07C) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 178/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.190	-5.234	96.48184	-.27353	.07588	.03087	.09762	-.00918	.00029	1.02433
94.480	-2.643	96.77472	-.16240	.06731	.02868	.09851	-.00879	.00176	1.02429
94.510	-.049	96.79082	-.04852	.06264	.02813	.09637	-.00830	.00273	1.02413
94.470	2.548	96.73412	.07058	.06257	.02783	.09629	-.00840	.00459	1.02397
94.270	5.145	96.51373	.18900	.06740	.02355	.09543	-.00879	.00596	1.02380
94.160	7.746	96.40500	.31201	.07826	.02087	.09738	-.00977	.00693	1.02384
94.150	10.349	96.43599	.43826	.09613	.01856	.09548	-.01113	.01093	1.02428
94.370	12.957	96.82653	.56883	.12461	.01566	.09142	-.01082	.01374	1.02603
94.300	15.565	97.10519	.69888	.16527	.01190	.08711	-.01039	.01525	1.02975
94.200	18.196	97.96816	.84998	.23904	-.00052	.08260	-.00673	.01231	1.04000
94.170	20.818	99.79148	.97902	.34284	-.01588	.09116	-.01189	.01217	1.05970
	GRADIENT	-.00783	.04489	-.00091	-.00016	-.00043	.00007	.00055	-.00006

OA100 TARE+INTF+BLKGE 1 (ZNA07D) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 179/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.250	-5.223	96.37070	-.26053	.06889	.02320	.19452	-.01751	.00244	1.02250
94.150	-2.632	96.26173	-.15018	.06079	.02072	.19571	-.01770	.00557	1.02243
94.300	-.039	96.38865	-.03639	.05621	.01909	.19616	-.01810	.00880	1.02215
94.240	2.556	96.33346	.08009	.05730	.01693	.19546	-.01878	.01213	1.02221
94.350	5.153	96.42838	.19970	.06253	.01528	.19628	-.01986	.01360	1.02203
94.130	7.751	96.22659	.31914	.07408	.01494	.19642	-.02093	.01761	1.02227
94.300	10.357	96.49172	.44887	.09447	.01262	.19516	-.02267	.02306	1.02324
94.440	12.965	96.85738	.57941	.12535	.00504	.19218	-.02467	.02711	1.02560
94.390	15.580	97.27608	.71627	.17222	-.00150	.18621	-.02251	.02833	1.03058
94.270	18.201	97.88247	.85810	.23615	-.01419	.17781	-.01830	.02687	1.03832
94.070	20.817	99.53527	.97899	.33787	-.03867	.19034	-.02608	.01578	1.05810
	GRADIENT	.01382	.04439	-.00067	-.00073	-.00005	-.00021	.00126	-.00004

OA100 TARE+INTF+BLKGE 1+NOSE GEAR (ZNAQ7E) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 180/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.090	-.048	96.47930	-.04661	.06656	.02450	-.09216	.00663	-.01053	1.02539
94.260	5.141	96.62722	.18418	.07122	.01952	-.09267	.00673	-.01258	1.02511
94.500	10.345	96.91966	.43292	.09952	.01463	-.09156	.00819	-.01560	1.02560
94.420	15.558	97.44807	.68888	.17022	.01303	-.09224	.00920	-.01637	1.03207
94.220	20.813	99.71572	.97405	.33685	-.01382	-.07663	.00350	-.02069	1.05833
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1+NOSE GEAR (ZNA07F) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 181/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.260	-5.240	96.80998	-.28060	.08512	.03361	.00166	-.00117	-.00380	1.02705
94.390	-2.648	96.92948	-.16900	.07589	.03133	.00243	-.00107	-.00351	1.02690
94.370	-.055	96.86485	-.05591	.06999	.03167	.00244	-.00078	-.00399	1.02644
93.980	2.539	96.45163	.05941	.06963	.02729	.00195	-.00058	-.00448	1.02630
94.500	5.138	96.92016	.18058	.07254	.02730	.00137	-.00098	-.00419	1.02561
94.490	7.739	96.86614	.30362	.08147	.02337	.00059	-.00127	-.00439	1.02515
94.370	10.347	96.79473	.43552	.10019	.02185	-.00078	-.00078	-.00302	1.02569
94.240	12.946	96.88085	.55518	.12826	.02400	-.00049	-.00068	-.00175	1.02802
94.570	15.556	97.67807	.68632	.17213	.01796	-.00068	-.00077	-.00184	1.03287
94.180	18.173	97.95890	.82191	.23113	.01092	-.00317	-.00048	-.00144	1.04012
94.140	20.804	99.83979	.96155	.33935	-.00936	.00198	-.00311	-.00339	1.06055
	GRADIENT	-.09213	.04403	-.00121	-.00078	-.00009	.00009	-.00019	-.00012

OA100 TARE+INTF+BLKGE 1+NOSE GEAR (ZNA07G) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 182/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.130	-.047	96.50648	-.04554	.06608	.02450	.10017	-.00605	.00088	1.02525
94.180	5.147	96.52488	.19182	.07104	.02041	.09767	-.00703	.00341	1.02490
94.460	10.351	96.83934	.43992	.09927	.01610	.09491	-.00995	.00819	1.02519
94.200	15.563	97.21863	.69442	.17149	.01313	.09157	-.01017	.01269	1.03204
94.470	20.815	100.19791	.97448	.34414	-.01860	.08702	-.00905	.01169	1.06063
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1+NOSE GEAR (ZNA07H) (28 APR 82)

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 =	.3600						

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 183/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.320	-.038	96.54222	-.03429	.06063	.01878	.20214	-.01417	.00723	1.02356
94.380	5.152	96.57467	.19780	.06627	.01447	.19868	-.01691	.01261	1.02325
94.250	10.356	96.57268	.44640	.09854	.01260	.19646	-.02020	.02225	1.02464
94.220	15.581	97.28259	.71600	.17829	-.00295	.18634	-.02073	.02780	1.03250
94.530	20.834	98.69798	1.00331	.33584	-.03274	.18176	-.01792	.02683	1.05467
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA07I) (28 APR 82)

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 =	.3600						

PARAMETRIC DATA

BETA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 184/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.150	-.052	96.45486	-.05172	.06378	.02588	-.09146	.00634	-.00547	1.02448
94.290	5.140	96.55951	.18319	.06787	.02286	-.09423	.00752	-.00820	1.02407
94.410	10.342	96.77179	.42946	.09714	.01766	-.09541	.00927	-.01278	1.02502
94.530	15.560	97.52109	.69159	.16952	.01042	-.09238	.00989	-.01473	1.03164
94.310	20.818	99.65879	.98197	.33462	-.02122	-.08621	.00435	-.01647	1.05672
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE I(FTP OFF) (ZNA07J) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 185/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.060	-5.240	96.50388	-.28099	.08179	.03394	.00039	-.00175	-.00409	1.02598
94.520	-2.649	96.95746	-.17016	.07246	.03244	.00039	-.00185	-.00439	1.02579
94.500	-.060	96.91953	-.06200	.06751	.03218	.00166	-.00146	-.00468	1.02560
93.980	2.537	96.36440	.05664	.06667	.02985	.00127	-.00146	-.00449	1.02537
94.070	5.133	96.41618	.17426	.07005	.02743	.00010	-.00146	-.00459	1.02494
93.670	7.736	95.95466	.29994	.07870	.02487	-.00117	-.00117	-.00410	1.02439
94.470	10.340	96.85138	.42724	.09741	.02254	-.00312	-.00098	-.00293	1.02521
94.200	12.941	96.78205	.54899	.12513	.02362	-.00292	-.00088	-.00321	1.02741
95.730	15.555	98.81059	.68454	.16953	.01542	-.00213	-.00126	-.00339	1.03218
94.370	18.182	98.22558	.83314	.23673	.00563	-.00557	-.00058	-.00259	1.04086
94.420	20.822	100.12710	.98351	.34674	-.01917	-.00151	-.00066	-.00651	1.06044
	GRADIENT	-.11442	.04374	-.00112	-.00050	.00017	.00008	-.00002	-.00008

OA100 TARE+INTF+BLKGE I(FTP OFF) (ZNA07K) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 186/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.190	-.053	96.46092	-.05252	.06263	.02677	.09794	-.00859	-.00068	1.02411
93.830	5.144	96.07371	.18801	.06769	.02239	.09581	-.00899	.00215	1.02391
93.970	10.346	96.26311	.43499	.09602	.01769	.09293	-.01054	.00800	1.02440
94.430	15.562	97.36166	.69499	.16845	.01169	.08971	-.01154	.01028	1.03105
94.150	20.819	99.67856	.98124	.34060	-.02165	.09096	-.01322	.00945	1.05872
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA07L) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	-10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 187/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.450	-.090	96.60785	-.03734	.05842	.01478	.18488	-.02444	.01946	1.02285
94.330	5.151	96.44549	.19669	.06358	.01419	.18877	-.02357	.02083	1.02243
94.270	10.363	96.47316	.44364	.09407	.01350	.19553	-.02326	.02111	1.02337
94.420	15.574	97.31267	.70885	.17056	-.00024	.18794	-.02338	.02600	1.03064
94.200	20.827	99.14622	.99606	.32646	-.03128	.18138	-.02014	.02461	1.05251
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA07M) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 188/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	ALPHA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
94.160	-.073	96.86312	-.07694	.08964	.05290	.00224	-.00136	-.00127	1.02658
94.210	5.117	96.64759	.15422	.09055	.04835	.00000	-.00127	-.00185	1.02587
94.200	10.325	96.62201	.40861	.11501	.04417	-.00185	-.00107	-.00107	1.02571
94.330	15.539	97.40807	.66594	.18514	.03869	-.00271	-.00068	-.00029	1.03263
94.070	20.805	99.81398	.96193	.35917	.00102	.00123	-.00160	-.00377	1.06106
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA07N) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	22.000
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 189/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.810	-13.000	48.22839	.69854	.15237	-.12498	.25844	-.02964	.02895	1.00875
47.640	-10.000	48.08800	.69957	.15475	-.12173	.20359	-.02497	.02100	1.00940
47.530	-5.000	48.04278	.68091	.15483	-.11562	.09428	-.01088	.01108	1.01079
47.240	-2.000	47.79209	.67714	.15687	-.10968	.03558	-.00395	.00385	1.01169
47.530	.000	48.10468	.67677	.15809	-.10994	-.00040	-.00148	-.00148	1.01209
47.480	2.000	48.05232	.67561	.15770	-.11103	-.03715	.00395	-.01028	1.01205
47.380	5.000	47.90244	.67531	.15430	-.11629	-.09456	.00762	-.01800	1.01103
47.450	10.000	47.95103	.68927	.15606	-.12891	-.20058	.02256	-.02830	1.01056
47.380	20.000	47.93280	.67360	.15598	-.13144	-.36504	.02896	-.04488	1.01167
	GRADIENT	-.00313	-.00054	-.00002	-.00010	-.01879	.00187	-.00299	.00003

OA100 TARE+INTF+BLKGE 1(FTP OFF) (ZNA070) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	25.000	RUDDER =	.000

RUN NO. 190/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCQU
47.560	-13.000	48.34983	.60984	.13417	-.06973	.25713	-.02872	.01672	1.01661
47.640	-10.000	48.45486	.60846	.13548	-.06783	.20490	-.02556	.01622	1.01710
47.550	-5.000	48.41886	.59392	.13620	-.06028	.09624	-.01139	.00717	1.01827
47.650	-2.000	48.55550	.58486	.13669	-.05357	.03808	-.00481	.00029	1.01900
47.360	.000	48.25862	.58193	.13601	-.05259	-.00167	-.00029	-.00353	1.01897
47.420	2.000	48.30950	.58647	.13623	-.05446	-.03828	.00353	-.00942	1.01876
47.500	5.000	48.38905	.59052	.13693	-.06281	-.09463	.00864	-.01924	1.01872
47.340	10.000	48.18390	.60066	.13617	-.07219	-.20190	.02270	-.02712	1.01783
47.490	15.000	48.34653	.60437	.13761	-.07424	-.28575	.02603	-.03762	1.01804
47.330	20.000	48.28205	.58060	.13939	-.07880	-.34467	.02362	-.04774	1.02012
	GRADIENT	-.01105	-.00024	.00005	-.00025	-.01909	.00201	-.00261	.00003

OA100 TARE+INTF+BLKGE 1 (ZNA07P) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000

RUN NO. 85/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCOU
47.990	-13.000	49.07988	.45311	.08641	.00604	.23887	-.02161	.02591	1.02271
47.900	-10.000	49.00758	.44824	.08696	.00624	.19030	-.01994	.02092	1.02312
47.590	-5.000	48.72509	.44040	.08807	.01327	.09249	-.00938	.01104	1.02385
47.840	-2.000	49.01228	.43602	.08948	.01804	.03524	-.00420	.00547	1.02450
47.790	.000	48.98035	.43312	.09032	.01930	-.00020	-.00098	.00098	1.02491
47.800	2.000	48.98071	.43564	.09004	.01823	-.03650	.00254	-.00449	1.02470
47.750	5.000	48.90669	.43819	.08891	.01336	-.08670	.00664	-.01377	1.02422
47.630	10.000	48.73543	.44957	.08744	.00517	-.18735	.01701	-.02228	1.02321
47.530	15.000	48.63315	.45142	.08773	.00292	-.27179	.02131	-.03049	1.02321
	GRADIENT	.01457	-.00020	.00009	.00001	-.01792	.00161	-.00248	.00004

OA100 TARE+INTF+BLKGE 1 (ZNA07Q) (28 APR 82)

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 =	.3600				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000

RUN NO. 100/ 0 GRADIENT INTERVAL = -5.00/ 5.00

Q	BETA	QCOR	CL	CD	CLM	CY	CLN	CSL	DQCOU
47.610	-13.000	50.16560	.41541	.20155	-.15889	.17785	-.03616	-.41815	1.05368
47.820	-10.000	48.96707	.42247	.11159	.02840	.19219	-.02217	.02520	1.02399
47.670	-5.000	48.87801	.41090	.11417	.03519	.08622	-.00731	.01463	1.02534
47.670	-2.000	48.91454	.40708	.11603	.04227	.03275	-.00341	.00780	1.02611
47.600	.000	48.84831	.40713	.11641	.04480	-.00078	.00000	.00331	1.02623
47.560	2.000	48.80806	.40537	.11621	.04402	-.03586	.00263	-.00107	1.02624
47.750	5.000	48.97419	.41097	.11511	.03751	-.08960	.00702	-.00800	1.02564
47.670	10.000	48.83113	.41822	.11213	.02868	-.19593	.02177	-.01991	1.02436
47.610	15.000	48.44590	.43104	.09245	-.00591	-.29020	.01975	-.02978	1.01756
47.680	20.000	48.75183	.41605	.10589	-.03239	-.35287	.02161	-.03257	1.02248
	GRADIENT	.00462	-.00005	.00009	.00026	-.01752	.00144	-.00226	.00003