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VOLUME 1 OF 6

RESULTS OF A LOW SPEED APPROACH AND LANDING EXPERIMENTAL INVESTIGATION OF A 0.050-SCALE SPACE SHUTTLE ORBITER MODEL (39-0) IN THE NASA/AMES RESEARCH CENTER'S 12-FOOT PRESSURE WIND TUNNEL (OA10

SPACE SHUTTLE AEROTHERMODYNAMIC DATA REPORT

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Data Management SERVICES

SPACE DIVISION CHRYSLER CORPORATION

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by

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Prepared under NASA Contract Number NAS9-13247

by

Data Management Services
Chrysler Corporation Michoud Defense-Space Division
New Orleans, La. 70189

for

Engineering Analysis Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number:	ARC 218-1-12
NASA Series Number:	OA101
Model Number:	39-0
Test Dates:	September 13, 1977 through November 21, 1977
Occupancy Hours:	160

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RESULTS OF A LOW SPEED APPROACH AND LANDING EXPERIMENTAL INVESTIGATION OF A 0.050-SCALE SPACE SHUTTLE ORBITER MODEL (39-0) IN THE NASA/AMES RESEARCH CENTER'S 12-FOOT PRESSURE WIND TUNNEL (OA101)

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ABSTRACT

This report presents results of wind tunnel test OA101, a low speed approach and landing experimental investigation conducted in the NASA/Ames Research Center's 12-foot Pressure Wind Tunnel, from September 13, 1977 through November 21, 1977.

The test objectives were:

1. Obtain basic stability and control data for the OV102 orbiter, including base pressures for the body and speed brake cavity, at M = 0.25.
2. Determine individual panel hinge moments for the elevons, flipper doors, body flap, and rudder/speed brake by pressure integration.
3. Obtain ground effects on pitch and lateral directional stability and control with the landing gear deployed (Test discontinued before this phase complete).
4. Calibrate the OV102 air data system (flush static taps only).

A total of 379 runs were made, 200 of which provided useable data. Free air data were obtained in the angle-of-attack range from $-5^{\circ} \leq \alpha \leq +19^{\circ}$ and $-6^{\circ} \leq \beta \leq +10^{\circ}$ in the angle-of-sideslip range. Reynold's number was varied from 2.0 to 8.0 million per foot at Mach = 0.25. Several runs

were made at Mach = 0.4 for comparison with OA145A data taken in the ARC 11-Foot UPWT. These data were obtained at a Reynold's number of 4.0×10^6 ft.$^{-1}$.

Volume 1 presents force data both plotted data figures and tabulated data. Volume 2 presents the plotted data figures for the pressure data, whereas the tabulated pressure data are presented in Volumes 2 through 6. (See table of contents for individual component breakdown.)

A limited number of comparison plots with the June 1976 OV102 Data-book have also been included in the plotted data figures. The control surface pressures were integrated under DATAMAN special request 9K and will be documented in a separate report covering that task.

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3	I	Flipper Door Inboard Upper Surface	498-689
	J	Flipper Door Outboard Upper Surface	690-881
	K	Flipper Door Inboard Lower Surface	882-1058
	L	Flipper Door Outboard Lower Surface	1059-1235
4	Q	Elevon Inboard Upper Surface	1236-1752
	R	Elevon Outboard Upper Surface	1753-2269
5	S	Body Flap Upper Surface	2270-2450
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128	OA101 SPEED BRAKE CP VS. XR/CR, INNER SURFACE BETA EFFECT AT SPDBRK = 55	X	BETA, ZR/BR	244-246
129	OA101 SPEED BRAKE CP VS. XR/CR, INNER SURFACE, BETA EFFECT AT SPDBRK = 87.2	X	BETA, ZR/BR	247-249
130	OA101 SPEED BRAKE CP VS. XR/CR, INNER SURFACE, RUDDER EFFECT AT SPDBRK = 25	X	RUDDER, ZR/BR	250-255
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133	0A101 SPEED BRAKE CP VS. XR/CR, INNER SURFACE, RUDDER EFFECT AT SPDBRK = 87.2	X	RUDDER, ZR/BR	262-264
134	0A101 SPEED BRAKE CP VS. XR/CR, INNER SURFACE, SPDBRK EFFECT AT ALPHA = 5, RUDDER = 0	X	SPDBRK, ZR/BR	265-270
135	0A101 SPEED BRAKE CP VS. XR/CR, OUTER SURFACE, ALPHA EFFECT AT SPDBRK = 25	X	ALPHA, ZR/BR	271-288
136	0A101 SPEED BRAKE CP VS. XR/CR, OUTER SURFACE, ALPHA EFFECT AT SPDBRK = 0	X	ALPHA, ZR/BR	289-297
137	0A101 SPEED BRAKE CP VS. XR/CR, OUTER SURFACE, ALPHA EFFECT AT SPDBRK = 55	X	ALPHA, ZR/BR	298-306
138	0A101 SPEED BRAKE CP VS. XR/CR, OUTER SURFACE ALPHA EFFECT AT SPDBRK = 87.2	X	ALPHA, ZR/BR	307-315
139	0A101 SPEED BRAKE CP VS. XR/CR, OUTER SURFACE BETA EFFECT AT SPDBRK = 25	X	BETA, ZR/BR	316-333
140	0A101 SPEED BRAKE CP VS. XR/CR, OUTER SURFACE BETA EFFECT AT SPDBRK = 0	X	BETA, ZR/BR	334-342
141	0A101 SPEED BRAKE CP VS. XR/CR, OUTER SURFACE, BETA EFFECT AT SPDBRK = 55	X	BETA, ZR/BR	343-351
142	0A101 SPEED BRAKE CP VS. XR/CR, OUTER SURFACE, BETA EFFECT AT SPDBRK = 87.2	X	BETA, ZR/BR	352-360

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144	OA101 SPEED BRAKE CP VS. XR/CR, OUTER SURFACE, RUDDER EFFECT AT SPDBRK = 0	X	RUDDER, ZR/BR	379-387
145	OA101 SPEED BRAKE CP VS. XR/CR, OUTER SURFACE RUDDER EFFECT AT SPDBRK = 55	X	RUDDER, ZR/BR	388-396
146	OA101 SPEED BRAKE CP VS. XR/CR, OUTER SURFACE, RUDDER EFFECT AT SPDBRK = 87.2	X	RUDDER, ZR/BR	397-405
147	OA101 SPEED BRAKE CP VS. XR/CR, OUTER SURFACE, SPDBRK EFFECT AT ALPHA = 5, RUDDER = 0	X	SPDBRK, ZR/BR	406-414
148	OA101 SPEED BRAKE CP VS. ZR/BR, INNER SURFACE, ALPHA EFFECT AT SPDBRK = 25	Y	ALPHA, XR/CR	415-420
149	OA101 SPEED BRAKE CP VS. ZR/BR, INNER SURFACE, ALPHA EFFECT AT SPDBRK = 0	Y	ALPHA, XR/CR	421-423
150	OA101 SPEED BRAKE CP VS. ZR/BR, INNER SURFACE, ALPHA EFFECT AT SPDBRK = 55	Y	ALPHA, XR/CR	424-426
151	OA101 SPEED BRAKE CP VS. ZR/BR, INNER SURFACE, ALPHA EFFECT AT SPDBRK = 87.2	Y	ALPHA, XR/CR	427-429
152	OA101 SPEED BRAKE CP VS. ZR/BR, INNER SURFACE, BETA EFFECT AT SPDBRK = 25	Y	BETA, XR/CR	430-435
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156	OA101 SPEED BRAKE CP VS. ZR/BR, INNER SURFACE, RUDDER EFFECT AT SPDBRK = 25	Y	RUDDER, XR/CR	445-450
157	OA101 SPEED BRAKE CP VS. ZR/BR, INNER SURFACE, RUDDER EFFECT AT SPDBRK = 0	Y	RUDDER, XR/CR	451-453
158	OA101 SPEED BRAKE CP VS. ZR/BR, INNER SURFACE, RUDDER EFFECT AT SPDBRK = 55	Y	RUDDER, XR/CR	454-456
159	OA101 SPEED BRAKE CP VS. ZR/BR, INNER SURFACE, RUDDER EFFECT AT SPDBRK = 87.2	Y	RUDDER, XR/CR	457-459
160	OA101 SPEED BRAKE CP VS. ZR/BR, INNER SURFACE, SPDBRK EFFECT AT ALPHA = 5, RUDDER = 0	Y	SPDBRK, XR/CR	460-462
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162	OA101 SPEED BRAKE CP VA. ZR/BR, OUTER SURFACE, ALPHA EFFECT AT SPDBRK = 0	Y	ALPHA, XR/CR	471-474
163	OA101 SPEED BRAKE CP VS. ZR/BR, OUTER SURFACE, ALPHA EFFECT AT SPDBRK = 55	Y	ALPHA, XR/CR	475-478
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167	OA101 SPEED BRAKE CP VS. ZR/BR, OUTER SURFACE, BETA EFFECT AT SPDBRK = 55	Y	BETA, XR/CR	495-498
168	OA101 SPEED BRAKE CP VS. ZR/BR, OUTER SURFACE, BETA EFFECT AT SPDBRK = 87.2	Y	BETA, XR/CR	499-502
169	OA101 SPEED BRAKE CP VS. ZR/BR, OUTER SURFACE, RUDDER EFFECT AT SPDBRK = 25	Y	RUDDER, XR/CR	503-510
170	OA101 SPEED BRAKE CP VS. ZR/BR, OUTER SURFACE, RUDDER EFFECT AT SPDBRK = 0	Y	RUDDER, XR/CR	511-514
171	OA101 SPEED BRAKECP VS. ZR/BR, OUTER SURFACE, RUDDER EFFECT AT SPDBRK = 55	Y	RUDDER, XR/CR	515-518
172	OA101 SPEED BRAKE CP VS. ZR/BR, OUTER SURFACE, RUDDER EFFECT AT SPDBRK = 87.2	Y	RUDDER, XR/CR	519-522
173	OA101 SPEED BRAKE CP VS. ZR/BR, OUTER SURFACE, SPDBRK EFFECT AT ALPHA = 5, RUDDER = 0	Y	SPDBRK, XR/CR	523-526
174	OA101 SPEED BRAKE TOP EDGE CP VS. ALPHA AT SPDBRK = 25	Z	SURFACE, RN/L	527-528
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178	OA101 SPEED BRAKE TOP EDGE CP VS. BETA AT SPDBRK = 25	Z	SURFACE, RN/L	532-533
179	OA101 SPEED BRAKE TOP EDGE CP VS. BETA AT SPDBRK = 0	AA	SURFACE	534-534
180	OA101 SPEED BRAKE TOP EDGE CP VS. BETA AT SPDBRK = 55	AA	SURFACE	535-535
181	OA101 SPEED BRAKE TOP EDGE CP VS. BETA AT SPDBRK = 87.2	AA	SURFACE	536-536
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183	OA101 SPEED BRAKE TOP EDGE CP VS. RUDDER AT SPDBRK = 0	BB	SURFACE, RN/L	539-539
184	OA101 SPEED BRAKE TOP EDGE CP VS. RUDDER AT SPDBRK = 55	BB	SURFACE, RN/L	540-540
185	OA101 SPEED BRAKE TOP EDGE CP VS. RUDDER AT SPDBRK = 87.2	BB	SURFACE, RN/L	541-541

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PLOTTED COEFFICIENT SCHEDULE:

A) C_L, C_m, C_A VS. α; C_D VS. C_L

B) C_Y, C_n, C_ℓ VS. β

C) C_L, C_D, C_m VS. δ_e

D) ΔC_L, ΔC_D, ΔC_m VS. δ_e

E) C_Y, C_n, C_ℓ VS. δ_a

F) $C_{Y_{\delta_a}}$, $C_{n_{\delta_a}}$, $C_{\ell_{\delta_a}}$ VS. δ_a

G) C_{Y_β}, C_{n_β}(BODY), C_{ℓ_β}(BODY) VS. δ_e

H) C_Y, C_n, C_ℓ VS. δ_r

I) C_{Y_β}, C_{n_β}(BODY), C_{ℓ_β}(BODY) VS. α

J) C_L, C_D, C_m VS. δ_{bf}

K) ΔC_L, ΔC_D, ΔC_m VS. δ_{bf}

L) C_L, C_D, C_m VS. δ_{eIB}

M) C_L, C_D, C_m VS. δ_{eOB}

N) C_Y, C_n, C_ℓ VS. $\delta_{a_{IB}}$

O) C_Y, C_n, C_ℓ VS. $\delta_{a_{OB}}$

P) C_L, C_m, C_A VS. α; C_D VS. C_L; ΔC_L, ΔC_D, ΔC_m, ΔC_A VS. α

Q) ΔC_L, ΔC_N, ΔC_D, ΔC_A, ΔC_m VS. δ_{SB}

R) ΔC_Y, ΔC_n(BODY), ΔC_ℓ(BODY) VS. β

S) C_p VS. XE/CE

T) C_p VS. 2Y/BW

U) C_p VS. XF/CF

V) C_p VS. XBF/CB

W) C_p VS. YBF/BB

X) C_p VS. XR/CR

Y) C_p VS. ZR/BR

Z) C_p VS. α

AA) C_p VS. β

BB) C_p VS. δ_r

NOMENCLATURE

SYMBOL	MNEMONIC	DEFINITION
a		speed of sound; m/sec, ft/sec
A_{B_K}		fuselage base area assigned to pressure tap K, ft.^{2}
A_C		fuselage base sting cavity area, ft.^{2}
A_i		upper control surface area assigned to pressure tap i, in.^{2}
A_j		lower control surface area assigned to pressure tap j, in.^{2}
A_m		speed brake outer surface area assigned to pressure tap m, in.^{2}
A_n		speed brake inner surface area assigned to pressure tap n, in.^{2}
b_w		Wind reference span, in. Used to nondimensionalize yawing and rolling moments.
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b-p_\infty)/qS$
C_{A_C}	CAC	Sting cavity axial force coefficient. Sting cavity pressure is adjusted to an average base pressure.
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_{A_U}		axial force coefficient, unadjusted
c_{BF}		body flap reference chord length, in.
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
c_E		elevon reference chord length, in.
c_{FD}		flipper door reference chord length, in.
Ch_{BF}	CHBF	body flap hinge moment coefficient
Ch_{EI}	CHEI	inboard elevon hinge moment coefficient
Ch_{EO}	CHEO	outboard elevon hinge moment coefficient
Ch_{FDI}	CHFDI	inboard flipper door hinge moment coefficient
Ch_{FDO}	CHEDO	outboard flipper door hinge moment coefficient
Ch_{SB}	CHSB	speed brake hinge moment coefficient
C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_ℓ	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$
C_m	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
c_W		wing reference MAC, in.
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
δ_a	AILRON	Aileron deflection. Positive when L.H. elevon is more trailing edge down than R.H. elevon, degrees.

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
δ_{BF}, δ_{bf}	BDFLAP	Body flap deflection. Positive trailing edge down, degrees.
δ_e	ELEVON	Elevon deflection, average of the four individual panel deflections. Positive trailing edge down, degrees.
DELI,O	ELV-LI,O	inboard and outboard L.H. elevon deflections,degrees
DELL	DELL	differential elevon setting, left side, outboard-inboard, degrees
DELR	DELR	differential elevon setting, right side, outboard-inboard, degrees
DERI,O	ELV-RI,O	inboard and outboard R.H. elevon deflections,degrees
δ_r	RUDDER	Rudder deflection in a water plane. Positive trailing edge left, degrees.
DRHL	DRHL	Rudder deflection normal to the hinge line. Positive trailing edge left, degrees.
δ_{SB}	SPDBRK	Speed brake deflection. Angle between the inside faces of the left and right panels, always positive, degrees.
h/b		nondimensionalized vertical height of model reference point above ground plane
HM_{BF}		body flap hinge moment, in-lbs.
HM_{EI}		inboard elevon hinge moment, in-lbs.
HM_{EO}		outboard elevon hinge moment, in-lbs.
HM_{FDI}		inboard flipper door hinge moment, in.lbs.
HM_{FDO}		outboard flipper door hinge moment, in.lbs.
HM_{SB}		speed brake hinge moment, in-lbs.

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
lB		orbiter body reference length, in.
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}
M	MACH	Mach number; V/a
p		pressure; N/m^2, psf
$P_{i,j,m,n}$		control surface static pressure corresponding to Tap i, j, m or n, psfa
P_o		freestream static pressure psfa
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\,\rho V^2$, N/m^2, psf
RN/L	RN/L RN	unit Reynold's number; per m, per ft
S_{BF}		body flap reference area, $in.^2$
S_E		elevon reference area, $in.^2$
S_{FD}		flipper door reference area, $in.^2$
S_{SB}		speed brake reference area, $in.^2$
S_w		wing reference area, $ft.^2$
V		velocity; m/sec, ft/sec
X_{CG}		distance from orbiter nose (IML) to model moment reference center, in.
X_{C_P}		model center of pressure location in the normal force direction, relative to the model nose (IML), in.
$X_{i,j,m,n}$		transfer distance from static pressure tap i, j, m or n to the corresponding control surface hingeline, in.

NOMENCLATURE (Concluded)

SYMBOL	MNEMONIC	DEFINITION
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m^3, $slugs/ft^3$

REMARKS

The OA101 test program was discontinued during the initial phase of the ground effects portion of the test program. The free air portion of the program, comprising approximately 200 useable data runs, with the model mounted on the roll sting was completed. The roll sting hardware had been removed and the model reinstalled on the ground plane (double bend, fixed roll) sting to obtain the free air base data for the ground plane installation when the decision was made to discontinue the test. Several runs were made using the ground plane sting installation landing gear retracted to obtain Polhamus effect data at higher angles-of-attack than were possible with the free air (roll) sting; however, the ground plane was never installed.

A limited amount of landing-gear-extended data were obtained during the free air portion of the test program with the model installed on the roll sting.

Windshield flow visualization runs were performed in response to a verbal request from NASA/JSC. These data were recorded on video tape and were transmitted to the orbiter aerodynamics group, Rockwell International.

Standard facility blockage and wall corrections were applied to all the data. No flow angularity corrections were applied.

The following updates were applied to the final data.

Control Surface Calibrations

a. Right-hand outboard elevon - linear factor and an offset were applied to raw Beckman counts on all data runs.

b. Rudder - linear factor and offsets were applied to raw Beckman counts on all data runs.

Pressure Data

a. Base pressures - cavity pressure tap #11 was bad for runs 368 through 373. Base corrections were made using cavity tap #10 only.

b. Rudder/speed brake pressure - tap #449 was bad for runs 368 through 373. Local area and moment arm of taps 448 and 450 were adjusted to compensate the on-line hinge moment data reduction program.

CONFIGURATIONS INVESTIGATED

The test article was a 0.050-scale replica of the space shuttle orbiter vehicle 102 and was designated model 39-0. General model description and specific construction information can be found in Reference 1.

For this particular test entry, a complete set of landing gear, doors, and wheel wells were fabricated and installed on the model in the fully deployed position. Testing was accomplished with the gear full up and full down. In addition, the shuttle infrared leeside temperature sensor (SILTS) pod was added to the vertical tail to obtain "SILTS POD" on and off data.

The following nomenclature was used to designate basic OV102 components:

$$OV102 = B_{75}\ C_{16}\ E_{64}\ F_{16}\ FD_3\ FR_{22}\ HG_1\ M_{52}\ N_{108}\ N_{109}\ N_{110}\ N_{111}\ R_{20}$$
$$V_{29}\ VT_{10}\ VT_{11}\ VT_{12}\ VT_{13}\ VT_{14}\ VT_{15}\ VT_{16}\ VT_{17}\ W_{131}$$

Symbol	Description
B_{75}	OV102 fuselage including T-zero umbilical panels, crew hatch, and cargo bay door gaps.
C_{16}	Canopy including recessed windshields and observation windows.
E_{64}	Elevons, including elevon/elevon and elevon/fuselage gaps.
F_{16}	Body flap.
FD_3	Flipper doors.
FR_{22}	Forward cargo bay door hinge fairings, 6 per side.
HG_1	Cargo bay door hinges, 13 per side.

CONFIGURATIONS INVESTIGATED (Continued)

Symbol	Description
M_{52}	OMS pods.
N_{108}	Forward RCS thruster nozzle ports.
N_{109}	Main propulsion system nozzles (inner surfaces cut away for sting clearance).
N_{110}	OMS nozzles.
N_{111}	Aft RCS thruster nozzles and ports.
R_{20}	Rudder, split into left and right speed brake panels.
V_{29}	Vertical tail, with SILTS infrared camera pod simulated. (V_{27} without SILTS pod)
VT_{10}	Cargo bay vents, 4 per side.
VT_{11}	Wing/landing gear bay vents, 1 per side.
VT_{12}	Cabin vents, 1 per side.
VT_{13}	Forward RCS vents, 1 per side.
VT_{14}	Aft fuselage vents, 1 per side.
VT_{15}	OMS/RCS vents, 1 per side.
VT_{16}	Flipper door vents.
VT_{17}	Miscellaneous vents, ports, and penetrations.
W_{131}	OV102 wing.

The above nomenclature is depicted in Figures 2a and 2b, and defined in Table III.

Variations of the basic OV102 configuration were tested as follows:

	Code	Description
1.	OV102 + G_{23}	OV102 with fully deployed landing gear and doors.
2.	OV102 - V_{29} + V_{27}	OV102 with SILTS pod off

CONFIGURATIONS INVESTIGATED (Concluded)

The additional components tested "on" and "off" the model were as follows:

Symbol	Description
G_{23}	Nose and main landing gear and doors in the fully deployed position with wheel wells simulated.
V_{27}	Basic OV102 vertical tail without the SILTS pod.

Other test variables not directly related to the model configuration included sting hardware. Specific model/tunnel sting configurations defined prior to the start of the program are listed below.

Model Configuration Symbol	Sting Hardware	Ground Plane
OV102	Free Air	Not installed
OV102 + G_{23}	"	"
OV102 - V_{29} + V_{27}	"	"
OV102	Ground Plane	"
OV102	"	Installed
OV102 + G_{23}	"	"
OV102 + G_{23}	"	Not installed

INSTRUMENTATION

In general, the test was conducted with the following model instrumentation:

1. 4.0 inch Task MKIIA, six-component internal strain gauge balance,
2. 12 Scanco S-Type, 48 port Scanivalves for model pressures,
3. 10 wing and 96 elevon static pressure taps,
4. 32 flipper door static pressure taps,
5. 4 aft fuselage and 19 body flap static pressure taps,
6. 5 vertical tail and 45 speed brake static pressure taps,
7. 9 fuselage base and 2 balance cavity static pressure taps, and
8. 2 air data probe forward fuselage flush static pressure taps.

Six model control surfaces were remotely actuated during the course of the test. This instrumentation consisted of:

1. Individual hydraulic actuation systems for the four elevon panels and the body flap,
2. An electric motor actuation system for the rudder,
3. Angular position pots for each of the control surfaces,
4. A model-mounted hydraulic system, including a pump and servo-control valves. (The hydraulic fluid reservoir was located outside of the tunnel)
5. A model control console which housed the electrical components of the servo systems. This console was placed in the facility control room, and operated manually.

The locations and tap identification numbers of all pressure orifices used during test OA101 are shown in Figures 2c through 2h. Specific model 39-0 instrumentation details are contained in Reference 1.

TEST FACILITY DESCRIPTION

The Ames 12-Foot Pressure Wind Tunnel is a variable density low turbulence wind tunnel which operates in the Mach number range of 0.1 to 0.94. The wind tunnel is powered by a two-stage, axial flow fan driven by electric motors totaling 12,000 horsepower. Air speed in the test section is controlled by variation of the fan's rotative speed. Eight fine-mesh screens in the settling chamber together with a contraction ratio of 25 to 1, provide an airstream of exceptionally low turbulence.

DATA REDUCTION

Model force and moment data were reduced to coefficient form in both body and stability axes systems. Moment data were reduced about a moment reference center corresponding to 65% of the reference body length at W.L. 375. Model angle of attack and sideslip were corrected for support hardware deflections. Standard facility wall/blockage corrections were applied as required. All model pressure data were reduced to the pressure coefficient form $(P-P_o)/q$.

Six-component body axes data were computed from balance outputs with axial force being adjusted for the differences between the average sting cavity pressure and an average base pressure.

$$CA = C_{A_U} - C_{A_C}$$

where:

$$C_{A_C} = -(C_{P_{Cavg.}} - C_{P_{Bavg.}}) \frac{(A_C)}{S_w}$$

$$C_{P_{Cavg.}} = \frac{C_{P10} + C_{P11}}{2}$$

$$C_{P_{Bavg.}} = \frac{(C_{P1} + C_{P2} + C_{P5} + C_{P6} + C_{P7} + C_{P8})}{6}$$

Forebody axial force coefficients were computed by adjusting the base pressure to freestream.

$$C_{A_F} = C_A - C_{A_b}$$

where:

$$C_{A_b} = \frac{-1}{SW}\left[\sum_{K=1}^{9} (C_{P_K} A_{B_K}) + C_{P_{Bavg.}} A_C)\right]$$

Center-of-pressure location of the model normal force was computed as a ratio to the reference body length.

$$\frac{X_{CP}}{lB} = \frac{1}{lB}\left(X_{CG} - \frac{C_m}{C_N}\bar{c}\right)$$

Stability axes coefficients C_L and C_D were computed from body axes coefficients C_N and C_A. Model lift-to-drag ratio was then computed from C_L and C_D.

$$L/D = C_L/C_D$$

Model control surface positions from the run schedule were input to the controller manually, i.e., constant or variable values were input depending on the sweep variable for the given run. Table look-up values of δ_e, δ_{BF}, and δ_a, based on calibration data, were stored in the data reduction program and employed to determine control surface position from the actual set values of controller voltages input to the ARC instrumentation system.

Model control surface hinge moments (on line data only) were computed by the facility from control surface pressures using an area-moment arm method as detailed below:

$$HM_{EI} = \sum_{I=101}^{124} \left|(P_i)\ (A_i)\ (x_i)\right| - \sum_{J=150}^{173} \left|(P_j)\ (A_j)\ (x_j)\right|$$

$$C_{h_{EI}} = \frac{HM_{EI}}{qS_E C_E}$$

$$HM_{EO} = \sum_{i=125}^{149} \left[(P_i)\ (A_i)\ (x_i)\right] - \sum_{J=174}^{197} \left[(P_j)\ (A_j)\ (x_j)\right]$$

$$C_{h_{EO}} = \frac{HM_{EO}}{qS_E C_E}$$

Inboard flipper door

$$HM_{FDI} = \sum_{i=201}^{212} \left[(P_i)\ (A_i)\ (x_i)\right] - \sum_{j=225}^{236} \left[(P_j)\ (A_j)\ (x_j)\right]$$

$$Ch_{FDI} = \frac{HM_{FDI}}{qS_{FD} C_{FD}}$$

Outboard flipper door

$$HM_{FDO} = \sum_{i=213}^{224} \left[(P_i)\ (A_i)\ (x_i)\right] - \sum_{j=237}^{248} \left[(P_j)\ (A_j)\ (x_j)\right]$$

$$Ch_{FDO} = \frac{HM_{FDO}}{qS_{FD} C_{FD}}$$

Body flap hinge moments

$$HM_{BF} = \sum_{i=301}^{307} \left[(P_i)\ (A_i)\ (x_i)\right] - \sum_{j=314}^{325} \left[(P_j)\ (A_j)\ (x_j)\right]$$

$$Ch_{BF} = \frac{HM_{BF}}{qS_{BF} C_{BF}}$$

where:

i = upper surface pressure tap numbers

j = lower surface pressure tap numbers

Speed brake hinge moments

$$HM_{SB} = \sum_{m=410}^{436} \left|(P_m)\ (A_m)\ (x_m)\right| - \sum_{n=437}^{454} \left|(P_n)\ (A_n)\ (x_n)\right|$$

$$Ch_{SB} = \frac{HM_{SB}}{qS_{SB}C_{SB}}$$

where:

m = Outer surface pressure tap numbers
n = Inner surface pressure tap numbers

Pressure coefficients judged to be incorrect were deleted and areas reassigned by manual input to the on line computer program. Final hinge moment data were integrated by DATAMAN from plotted and smoothed pressure coefficient data under special request 9K, and will be documented fully in a separate report covering that task.

Reference dimensions and constants used were:

Symbol	Description		Model Scale	Full Scale
S_w	Wing reference area, ft.^{2}		6.725	2690.
b_w	Wing reference span, in.		46.834	936.68
c_w	Wing reference MAC, in.		23.740	474.81
MRC	Moment Reference Center			
		X, in.	53.834	1076.68
		Y, in.	0.0	0.0
		Z, in.	18.75	375.0

DATA REDUCTION (Concluded)

Symbol	Description	Model Scale	Full Scale
X_{CG}	Length, nose IML to MRC, in.	41.934	838.68
lB	Body reference length, in.	64.515	1290.3
SE	Elevon reference area, $in.^2$	75.60	30240.
c_E	Elevon reference chord, in.	4.535	90.7
S_{FD}	Flipper door reference area, $in.^2$	75.60	30240.
c_{FD}	Flipper door reference chord, in.	4.535	90.7
S_{BF}	Body flap reference area, $in.^2$	48.60	19440.
c_{BF}	Body flap reference chord, in.	4.050	81.0
SSB	Speed brake reference area, $in.^2$	36.05	14421.6
c_{SB}	Speed brake reference chord, in.	3.660	73.2
A_C	Base sting cavity area, $ft.^2$	0.1963	
A_{B1}	Base area, Tap 1, $ft.^2$	0.0587	
A_{B2}	Base area, Tap 2, $ft.^2$	0.0824	
A_{B3}	Base area, Tap 3, $ft.^2$	0.0467	
A_{B4}	Base area, Tap 4, $ft.^2$	0.0553	
A_{B5}	Base area, Tap 5, $ft.^2$	0.0772	
A_{B6}	Base area, Tap 6, $ft.^2$	0.1146	
A_{B7}	Base area, Tap 7, $ft.^2$	0.1798	
A_{B8}	Base area, Tap 8, $ft.^2$	0.0860	
A_{B9}	Base area, Tap 9, $ft.^2$	0.1950	

REFERENCES

1. SD77-SH-0162, "Pretest Information for Test OA101 of a 0.05-Scale Model (39-0) of the SSV Orbiter 102 in the NASA/ARC 12-Foot Pressure Wind Tunnel," dated June 10, 1977.

2. Report NA76-662, "Structural Analysis for the 0.05-Scale SSV Orbiter Verification Model 39-0."

3. Report NA76-662, Appendix B, contains the stress analysis of the 21° prebend sting adapter for the ground plane sting and the landing gear assemblies for model 39-0.

TABLE I.

TEST : OA101 DATE :

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
.25	2×10^6	110 PSF	
.25	5×10^6	280 PSF	
.25	8×10^6	450 PSF	125°F MAX
.40	4×10^6	388 PSF	

BALANCE UTILIZED: 4 INCH TASK MK II A

	CAPACITY:	ACCURACY:
NF	4000/4000 LBS	.3%
SF	2000/2000 LBS	.5%
AF	1000 LBS	.2%
PM		
RM	10,000 IN-LBS	.3%
YM		

COMMENTS: See Table VIII.

TABLE II.

TEST: ARC 218-1-12 (0A101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_e	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L				**	MACH NUMBERS .25				TEST RUN NUMBERS
R2Q001	0V102	FC	0	α	0	0	0	0	25	5				1	172				
02		FC	0	α	0	0	0	0	25	8				1	184				
03		-5	A	β	0	0	0	0	25	8				1	191				
04		0	A	β						8				1	192				
05		5	B	β						5				1	173				
06		5	B	β						8				1	185				
07		10	A	β						8				1	193				
08		15	A	β						8				1	194				
09		A	2	α	0	0	0	0	25	8				3	188				
10		A	0	α	5	0	0	0	25	8				3	189				
11		A	0	α	-5	0	0	0	25	8				3	190				

SEE SUPPLEMENTARY SCHEDULE FOLLOWING TABLE II

1 7 13 19 25 31 37 43 49 55 61 67 73 76

α OR β SCHEDULES

COEFFICIENTS: FC = -8 to 18 Δ=2, B = -6 to 12 Δ=2
A = -6 to 8 Δ=2

IDVAR (1) IDVAR (2) NDV

** 1 Pressure d/s CDIJKLQRSTWX67
2 Pressure d/s CDIJKLQR----67
3 Pressure d/s ----------67

NASA-MSFC-MAF

TABLE II. (Continued)

TEST: ARC 218-1-12 (0A101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_e	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L				**	MACH NUMBERS .25				TEST RUN NUMBERS
R2Q012	0V102	-5	0	δ_e	A	0	0	0	25	8				3	199				
13	fly elevon	0								8				3	200				
14		5								5				1	174				
15		5								8				1	186				
16		10								8				1	201				
17		15								8				3	202				
18	0V102	5	A	β	-10	0	0	0	25	5				3	176				
19	elevon in Beta				- 5					5				3	177				
20					5					5				3	178				
21					10					5				3	179				
22		10			-10					5				3	183				
23					- 5					5				3	182				
24					5					5				3	181				
25					10					5				3	180				

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

α OR β SCHEDULES

δ_e = -35° to 20° Δ = 5°

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

NASA-MSFC-MAF

TABLE II. (Continued)

TEST: ARC 218-1-12 (0A101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_e	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L				**	MACH NUMBERS .25				TEST RUN NUMBERS
R2Q026	0V102	0	2	δ_e	A	0	0	0	25	5				3	196				
27	fly elevon in Beta	5								5				3	197				
28		10								5				3	198				
29	fly aileron	5	0	δ_a	-10	A	0	0	25	8				3	204				
30		5			10					8				3	203				
31		0			0					5				3	227				
32		5			0					5				3	228				
33		5			0					8				3	205				
34		10			0					5				3	229				
35	aileron in Beta	5	2	δ_a	0	A	0	0	25	5				3	230				
36	aileron	A	0	α	0	5	0	0	25	5				3	207				

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

α OR β SCHEDULES: δ_a = -10 to 5 Δ = 1° | COEFFICIENTS | IDVAR (1) IDVAR (2) NDV

NASA-MSFC-MAF

TABLE II. (Continued)

TEST: ARC 218-1-12 (0A101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_e	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L				**	MACH NUMBERS .25			
R2Q037	0V102	0	0	δ_e	FC	5	0	0	25	5				3	214			
38	elevon effect on δ_a	5								5				3	215			
39		10								5				3	216			
40	rudder effectiveness	0	0	δ_R	0	0	0	A	25	5				3	221			
41		5								5				1	222			
42		5								8				1	206			
43		10								5				3	223			
44		15								5				3	224			
45		5	2							5				3	225			
46		FC	0	α	0	0	0	-5	25	5				1	208			
47	vertical tail	5	B	β	0	0	0	-5	25	5				3	234			
48	loads							-22.8		5				3	233			

TEST RUN NUMBERS

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

α OR β SCHEDULES

δ_e = -30 to 15 Δ = 5

δ_R = -22 to 10 Δ = 5

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

NASA-MSFC-MAF

TABLE II. (Continued)

TEST: ARC 218-1-12 (OA101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_e	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L				**	MACH NUMBERS .25				TEST RUN NUMBERS
R2Q049	OV102 Body Flap	FC	0	α	0	0	-11.7	0	25	5				3	211				
50							16.3			5				3	212				
51							22.5			5				3	213				
52		0		δ_{BF}			FC			5				3	219				
53		5					FC			5				1	175				
54		5					FC			8				1	187				
55		10					FC			5				3	220				
56	δ_{SB} = 0	A	0	α	0	0	0	0	0	5				3	271				
57		A	0	α						8				1	256				
58		-5	A	β						8				3	259				
59		0								8				3	260				
60		5								8				1	257				
61		10								8				3	261				
62		15								8				3	262				

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

α OR β SCHEDULES: δ_{BF} = -12 to 22 Δ = 4

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

NASA-MSFC-MAF

TABLE II. (Continued)

TEST: ARC 218-1-12 (0A101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_e	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L				**	MACH NUMBERS .25			
R2Q063	0V102 rudder effects $\delta_{SB}=0$	-5	0	δ_R	0	0	0	A	0	8				3	269			
64		0								8				3	265			
65		5								8				1	255			
66		10								8				3	266			
67		15								8				3	267			
68		17								8				3	268			
69		A	0	α				-5		8				3	264			
70		5	A	β				-5		8				3	258			
71		5	2	δ_R				A		8				3	270			
72		A	2	α				0		8				3	263			
73		5	0	δ_{BF}	0	0	FC	0	0	8				1	254			

TEST RUN NUMBERS

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

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

NASA-MSFC-MAF

TABLE II. (Continued)

TEST: ARC 218-1-12 (0A101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_e	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L				**	MACH NUMBERS .25				TEST RUN NUMBERS
R2Q074	0V102 δ_{SB} = 7.5	A	0	α	0	0	0	0	7.5	5				3	286				
75		A	2	α				0		5				3	287				
76		5	A	β				0		5				3	289				
77		5	A	β				-5		5				3	290				
78		A	0	α				-5		5				3	288				
79		5	0	δ_R				A		5				3	291				
80	δ_{SB} = 15	A	0	α	0	0	0	0	15	5				3	317				
81		A	0	α				-5		5				3	321				
82		5	A	β				0		5				3	319				
83		A	2	α				0		5				3	318				
84		0	0	δ_R				A		5				3	322				
85		5	0	δ_R				FC		5				3	323				
86		10	0	δ_R				A		5				3	324				
87		15	0	δ_R				A		5				3	325				
88		5	A	β				-5		5				3	320				

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

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

NASA-MSFC-MAF

TABLE II. (Continued)

TEST: ARC 218-1-12 (0A101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_e	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L				**	MACH NUMBERS .25				TEST RUN NUMBERS
R2Q089	0V102 δ_{SB} = 40	A	0	α	0	0	0	0	40	5				3	307				
90		5	A	β				0		5				3	315				
91		5	0	δ_R				A		5				3	316				
92		5	A	β				-5		5				3	314				
93		A	0	α				-5		5				3	313				
94		A	2	α				0		5				3	308				
95	δ_{SB} = 55	A	0	α	0	0	0	0	55	5				3	285				
96		A	0	α						8				1	273				
97		0	A	β						8				3	279				
98		5	A	β						8				1	274				
99		10	A	β						8				3	280				
A0		15	A	β						8				3	281				
A1		A	2	α						8				3	275				

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

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

NASA-MSFC-MAF

TABLE II. (Continued)

TEST: ARC 218-1-12 (0A101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_e	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L				**	MACH NUMBERS .25				TEST RUN NUMBERS
R2Q0A2	0V102 δ_{SB} = 55	0	0	δ_R	0	0	0	A	55	8				3	282				
A3		5						A		8				1	272				
A4		10						A		8				3	283				
A5		15						A		8				3	284				
A6		A	0	α				-5		8				3	276				
A7		5	A	β				-5		8				3	277				
A8		5	A	β				-22.8		8				3	278				
A9	δ_{SB} = 70	A	0	α	0	0	0	0	70	5				3	326				
B0		5	A	β				0		5				3	330				
B1		5	0	δ_R				A		5				3	331				
B2		5	A	β				-5		5				3	329				
B3		A	0	α				-5		5				3	328				
B4		A	2	α				0		5				3	327				

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

α OR β SCHEDULES — COEFFICIENTS — IDVAR (1) — IDVAR (2) — NDV

NASA-MSFC-MAF

TABLE II. (Continued)

TEST: ARC 218-1-12 (0A101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_e	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L				**	MACH NUMBERS .25				TEST RUN NUMBERS
R2Q0B5	0V102 δ_{SB} = 87.2	A	0	α	0	0	0	0	87.2	5				3	306				
B6		A	0	α						8				1	292				
B7		A	2	α						8				3	298				
B8		0	A	β						8				3	299				
B9		5								8				1	293				
C0		10								8				3	300				
C1		15								8				3	301				
C2		0	0	δ_R				A		8				3	295				
C3		5								8				1	294				
C4		10								8				3	296				
C5		15								8				3	297				
C6		A	0	α				-5		8				3	303				
C7		5	A	β				-5		8				3	302				
C8		5	A	β				-12		8				3	305				

1 7 13 19 25 31 37 43 49 55 61 67 73 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

NASA-MSFC-MAF

TABLE II. (Continued)

TEST: ARC 218-1-12 (0A101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_e	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L				**	MACH NUMBERS .25				TEST RUN NUMBERS
R2Q0C9	control surface	5	0	δ_e	FC	0	16.3	0	25	5				1	217				
D0	interactions δ_e/δ_{BF}	5	0	δ_e	FC	0	-11.7	0	25	5				1	218				
D1		5	0	δ_{BF}	5	0	FC	0	25	5				1	231				
D2		5	0	δ_{BF}	-5	0	FC	0	25	5				1	232				
D3	Polhamus effect	16.3	A	β	0	0	0	0	25	3				-	252	***			
D4		16.4	A	β						3				3	253				
D5		16.5	A	β						5				3	249				
D6		A	2	α						3				3	251				
D7		A	2	α						5				3	250				
					δ_{eI}	δ_{e0}	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L								
D8	Inbd/Outbd elevon	5	0	δ_e	B	0	0	0	0	25	5			2	236				
D9	interactions $\delta_a = 0$				B	5					5			2	237				
E0					B	-5					5			2	238				
E1					0	B					5			2	239				
E2					5	B					5			2	240				
E3					-5	B					5			2	241				

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

α OR β SCHEDULES

COEFFICIENTS
δ_{eI} -4 to 4, 0 to 8, -9 to 0
δ_{e0} -4 to 4, 1 to 9, -9 to 0

IDVAR (1) IDVAR (2) NDV

*** DATA MISSING.

NASA-MSFC-MAF

TABLE II. (Continued)

TEST : ARC 218-1-12 (0A101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE : POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_{eI}	δ_{e0}	δ_{aI}	δ_{BF}	δ_R	SB	RN/L			**	MACH NUMBERS .25				TEST RUN NUMBERS
R2Q0E4	0V102 split δ_a	5	0	δ_{aI}	B	0	B	0	0	25	5			2	242				
E5					B	5					5			2	243				
E6					B	-5					5			2	244				
E7				δ_{a0}	0	B					5			2	245				
E8					5	B					5			2	246				
E9					-5	B					5			2	247				
					δ_e		δ_a												
F0	No silts pod δ_{SB} = 0	A	0	α	0		0	0	0	0	8			1	345				
F1		A	0	α					0		4.5			3	352				
F2		A	0	α					0		8			3	350				
F3		5	A	β					0		8			1	346				
F4		5	A	β					-5		8			3	348				
F5		A	0	α					-5		8			3	349				
F6		5	0	δ_R					A		8			3	351				

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

α OR β SCHEDULES

COEFFICIENTS

δ_{aI} = -4 to 4

δ_{a0} = -4 to 4

IDVAR (1) IDVAR (2) NDV

NASA-MSFC-MAF

TABLE II. (Continued)

TEST: ARC 218-1-12 (0A101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_e	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L				**	MACH NUMBERS .25					TEST RUN NUMBERS
R2Q0F7	No silts pod δ_{SB} = 25	A	0	α	0	0	0	0	25	8				1	369					
F8		A	2	α				0		8				3	370	TAP #11				
F9		5	A	β				0		8				1	371	MISSING				
G0		5	A	β				-5		8				3	372	PRESSURE				
G1		A	0	α				-5		8				3	373	DATA				
G2		5	0	δ_R				A		8				3	368					
G3	No silts pod δ_{SB} = 55	A	0	α	0	0	0	0	55	8				1	353					
G4		A	0	α				0		5				1	359					
G5		A	0	α				0		5				1	360	*				
G6		A	2	α				0		8				3	357					
G7		5	A	β				0		8				1	354					
G8		5	A	β				-5		8				3	355					
G9		A	0	α				-5		8				3	356					
H0		5	0	δ_R				A		8				3	358					

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

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

* TAPED FLIPPER DOORS

NASA-MSFC-MAF

TABLE II. (Continued)

TEST: ARC 218-1-12 (0A101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_e	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L				**	MACH NUMBERS .25	.4			TEST RUN NUMBERS
R2Q0H1	No silts pod	A	0	α	4.5	0	0	0	0	4.5				3	366	361			
H2					0									3	365	362			
H3					-5									3	364	363			
H4	0V102 W. S. TUFTS G.P. STING	A	0	α	0	0	0	0	25	8				1	374				
H5										5				1	375				
H6										3				1	376				
H7		A	2	α						8				1	377				
H8										5				1	378				
H9										3				1	379				

1 7 13 19 25 31 37 43 49 51 61 67 75 76

α OR β SCHEDULES: α = -7 to 22 | COEFFICIENTS | IDVAR (1) | IDVAR (2) | NDV

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TABLE II. (Continued)

TEST : ARC 218-1-12 (0A101) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE : POST TEST

DATA SET IDENTIFIER	CONFIGURATION	α	β	VAR	δ_e	δ_a	δ_{BF}	δ_R	δ_{SB}	RN/L				**	MACH NUMBERS .25				TEST RUN NUMBERS
R2Q0I0	Landing gear	A	0	α	0	0	0	0	0	8				1	332				
I1		A	2	α										3	335				
I2		5	B	β										3	336				
I3		5	B	β	5									3	337				
I4		5	0	δ_e	E									1	333				
I5		5	0	δ_{BF}	0		B							1	334				
I6		A	0	α	0	0	0	0	0	5				1	338				
I7		A	2	α										3	341				
I8		A	5	α										3	342				
I9		5	B	β										3	343				
J0		5	B	β	5									3	344				
J1		5	0	δ_e	E									1	340				
J2		5	0	δ_{BF}	0		B							1	339				

1 7 13 19 25 31 37 43 49 55 61 67 73 76

α OR β SCHEDULES

δ_{BF} = -11 to 22.5 COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

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TABLE II. (Concluded)

Coefficient Schedules:
First Character Identifier for Force Data

R	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
A	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON		
B	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P	
C	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
D	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL			
E	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13

Pressure Data Components
Fourth Character Identifier for Pressure Dataset

C	Elevon IB Lower Surface
D	Elevon OB Lower Surface
I	Flipper Door IB Upper Surface
J	Flipper Door OB Upper Surface
K	Flipper Door IB Lower Surface
L	Flipper Door OB Lower Surface
Q	Elevon IB Upper Surface (Includes Flipper Door)
R	Elevon OB Upper Surface (Includes Flipper Door)
S	Body Flap Upper Surface
T	Body Flap Lower Surface
W	Rudder Outside Surface
X	Rudder Inside Surface
6	Nose Pressure
7	Base Pressure

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: BODY - B_{75}

GENERAL DESCRIPTION: Orbiter Vehicle 102 - OML Baseline

MODEL SCALE: 0.050

DRAWING NUMBER: VL70-000003C, VC70-000002B

DIMENSIONS:	FULL SCALE	MODEL SCALE
Reference Length (IML: FWD Sta X_o = 238), in.	1290.3	64.515
Length (OML: FWD Sta X_o = 236), in.	1292.3	64.615
Max. Width (At X_o = 1528.3), in.	264.0	13.200
Max. Depth (At X_o = 1464), in.	250.0	12.500
Fineness Ratio	4.899	4.899
Area, Ft^2		
Max. Cross-Sectional	340.885	0.8522

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: **CANOPY - C_{16}**

GENERAL DESCRIPTION: **OV102 Orbiter Canopy**

MODEL SCALE: 0.050

DRAWING NUMBER: **BCD V70-30-950-01 (VC70-000002B)**

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length, in. (X_o 432.0798 to X_o 670)	237.920	11.896
Max. Width, in. (@X_o 594)	194.067	9.703
Max. Depth, in. (@X_o 492)	59.790	2.990
Fineness Ratio (length/max. width)	1.226	1.226
Area		
Max. Cross-Sectional @ X_o 520 $in.^2$	45.66	0.11415

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ELEVON - E_{64}

GENERAL DESCRIPTION: Elevon for OV102 configuration. Hingeline at X_o = 1387, elevon split line X_o = 312.5, 6.0" tips with 8° beveled edges, and centerbodies same as E_{63} but includes bevel tip.

MODEL SCALE: 0.050

DRAWING NUMBER: VC70-000002B

DIMENSIONS:	FULL SCALE	MODEL SCALE
Reference Area, Ft^2	210.0	0.5250
Area, Ft^2	206.57	0.5164
Span (equivalent)	346.44	17.322
Inb'd equivalent chord	116.50	5.825
Outb'd equivalent chord	55.219	2.761
Ratio movable surface chord/total surface chord		
At inb'd equiv. chord	.2137	.2137
At outb'd equiv. chord	0.3999	0.3999
Sweep Back Angles, degrees		
Leading Edge	0.0	0.0
Trailing Edge	- 10.056	- 10.056
Hingeline	0.0	0.0
Area Moment (Product of area & $\bar{c}$)	1540.74	0.19259
Mean Aerodynamic Chord, In.	89.5	4.475
Hingeline dihedral (origin at Z_o = 261.3509), deg.	5.229	5.229

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: **BODY FLAP - F_{16}**

GENERAL DESCRIPTION: **Orbiter OV102 baseline OML at X_o = 1532, Z_o = 287**

MODEL SCALE: 0.050

DRAWING NUMBER: **VC72-000003C VC70-000002B**

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (X_o = 1525.5 to X_o = 1613), In.	87.50	4.375
Max. Width (At L.E. X_o = 1525.5), In.	256.00	12.800
Max. Depth (X_o = 1532), In.	19.798	0.990
Area, Ft^2		
Max. Cross-Sectional (At H.L.)	35.196	0.08799
Planform	135.75	0.3394
Base (X_o = 1613)	4.89	0.122

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: OMS POD - M_{52}

GENERAL DESCRIPTION: OV102 Baseline Same as M_{18}

MODEL SCALE: 0.050

DRAWING NUMBER: VC70-000003C, VC70-000002B

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length, (OMS FWD Sta X_o = 1311.0), In. includes RCS package	258.64	12.932
Max. Width (At X_o = 1511), In.	135.55	6.778
Max. Depth (At X_o = 1511), In.	74.36	3.718
Fineness Ratio	1.475	1.475
Area		
Max. Cross-Sectional	59.091	0.14773

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: **RUDDER - R_{20}**

GENERAL DESCRIPTION: **Orbiter vehicle 102 baseline OML rudder**

MODEL SCALE: 0.050

DRAWING NUMBER: **VC70-000002B, MD-V70-20-100.2**

DIMENSIONS:	FULL SCALE	MODEL SCALE
Area, Ft^2	98.09	0.2452
Span (equivalent), In.	199.09	9.955
Inb'd equivalent chord, In. (WP=Z_O=580.26)	91.13	4.557
Outb'd equivalent chord, In. (WP-Z_O=779.35)	50.76	2.538
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.400	0.400
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	34.833	34.833
Trailing Edge	26.249	26.249
Hingeline	34.833	34.833
Area Moment (Normal to hinge line)	593.889	0.07424
Mean Aerodynamic Chord, In.	72.840	3.642

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: **VERTICAL - V_{27}**

GENERAL DESCRIPTION: **Basic orbiter OV102 outer mold line**

MODEL SCALE: 0.050

DRAWING NUMBER: **VC70-000002B**

DIMENSIONS:	FULL SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.), ft^2		
Planform	413.251	1.0331
Span (Theo.), in.	315.72	15.786
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	25.25
0.25 Element Line	41.13	41.13
Chords:		
Root (Theo.) WP	268.50	13.425
Tip (Theo.) WP	108.47	5.424
MAC	199.81	9.991
Fus. Sta. of .25 MAC	1463.35	73.168
W.P. of .25 MAC	635.52	31.776
B.L. of .25 MAC	0.0	0.0
Airfoil Section 10 Sym 60-40 Wedge, t/c	13.43	13.43
Leading Wedge Angle, deg.	10.00	10.00
Trailing Wedge Angle, deg.	14.92	14.92
Leading Edge Radius % C	1.47	1.47
Void Area, Ft^2	31.713	0.07928
Covered Area, Ft^2	9.11	0.02278
Blanketed Area, Ft^2	0.0	0.0

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: WING - W_{131}

GENERAL DESCRIPTION: OV102 baseline OML configuration. NOTE: Includes wing elevon stubs. Dihedral angle is along trailing edge of wing. Geometric twist = 0^{o}.

MODEL SCALE: 0.050 DRAWING NO.: VC70-000002B

DIMENSIONS:	FULL SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.), ft^2		
Planform	2690.0	6.725
Span (Theo.), in.	936.68	46.834
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees		
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	- 10.056	- 10.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo.) B.P.0.0.	689.24	34.462
Tip, (Theo.) B.P.	137.85	6.893
MAC	474.81	23.741
Fus. Sta. of .25 MAC	1136.83	56.842
W.P. of .25 MAC	290.58	14.529
B.L. of .25 MAC	182.13	9.107
EXPOSED DATA		
Area (Theo.), ft^2	1721.60	4.304
Span, (Theo.), in. BP108	713.003	35.650
Aspect Ratio	2.051	2.051
Taper Ratio	0.193	0.193
Chords		
Root BP108	557.56	27.878
Tip 1.00 b/2	137.85	6.893
MAC	389.92	19.496
Fus. Sta. of .25 MAC	1187.71	59.386
W.P. of .25 MAC	295.27	14.764
B.L. of .25 MAC	254.23	12.712
Airfoil Section (Rockwell Mod NASA) XXXX-64		
Root b/2 =	0.1137	0.1137
Tip b/2 =	0.120	0.120
Data for (1) of (2) Sides		
Leading Edge Cuff		
Planform Area, ft^2	145.4	.0445
Leading Edge Intersects Fus M.L. @ Sta	427.75	21.388
Leading Edge Intersects Wing @ Sta	1084.00	54.200

TABLE IV. WING AND ELEVON PRESSURE TAP LOCATIONS

Spanwise Location - η	Upper Surface X_E/C_{EL}							
	X_o1359.6	-0.100	0.100	0.200	0.400	0.600	0.800	1.000
Inboard Edge					101		102	
0.340	15			103	104	105	106	107
0.427				108	109	110	111	112
0.534	35			113	114	115	116	117
0.615				118	119	120	121	122
Inboard Gap Edge					123		124	
Outboard Gap Edge					125		126	
0.715	55			127	128	129	130	131
0.800					133	134	135	136
0.887	75			137	138	139	140	141
0.960	85			142	143	144	145	146
Outboard Edge					147		148	149
	Lower Surface X_E/C_{EL}							
Inboard Edge					150		151	
0.340		20	152	153	154	155	156	
0.427			157	158	159	160	161	
0.534		40	162	163	164	165	166	
0.615			167	168	169	170	171	
Inboard Gap Edge					172		173	
Outboard Gap Edge					174		175	
0.715		60	176	177	178	179	180	
0.800			181	182	183	184	185	
0.887		80	186	187	188	189	190	
0.960		90	191	192	193	194	195	
Outboard Edge					196		197	

TABLE V. FLIPPER DOOR PRESSURE TAP LOCATIONS

SPANWISE LOCATION WING η	UPPER SURFACE X_{FD}/C_{FD}		
	0.10	0.50	0.90
0.340	201	202	203
0.427	204	205	206
0.534	207	208	209
0.615	210	211	212
0.715	213	214	215
0.800	216	217	218
0.887	219	220	221
0.960	222	223	224
Internal Cavity		X_{FD}/C_{FD}	
0.340		225	
0.427		228	
0.534		231	
0.615		234	
0.715		237	
0.800		240	
0.887		243	
0.960		246	

TABLE VI. BODY FLAP PRESSURE TAP LOCATIONS

SPANWISE LOCATION η = y/b at Hingeline	UPPER SURFACE X_{BF}/C_{BF}			
	-0.20	0.20	0.60	1.00
0.10 (L.H. Side)		301	302	303
0.20			304	
0.35				
0.50 (Y_o = 0)		305	306	307
0.80 (R.H. Side)				
	LOWER SURFACE X_{BF}/C_{BF}			
0.10 (L.H. Side)	309	314	135	316
0.20	310	317	318	319
0.35	311	320	321	322
0.50 (Y_o = 0)	312	323	324	325
0.80 (R.H. Side)				

TABLE VII. SPEED BRAKE PRESSURE TAP LOCATIONS

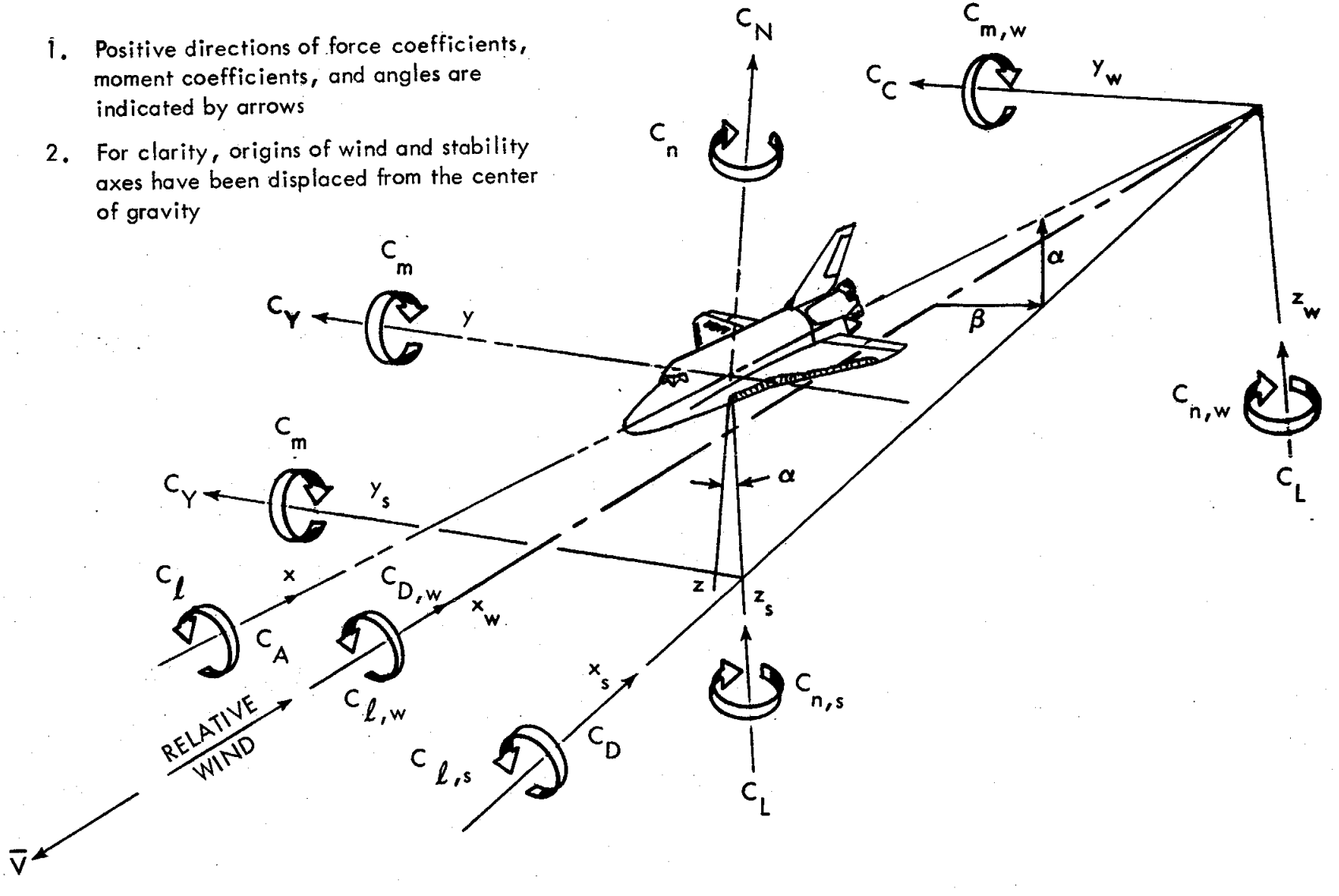
SPANWISE LOCATION	OUTER SURFACE (L.H.) X_R/C_R				
$\eta = y/b$ at HINGELINE	-0.20	0.20	0.60	0.80	1.00
0.10 (BOTTOM)	401	410	411		
0.20		412	413		414
0.30	403	415	416		417
0.40		418	419		420
0.50	405	421	422		423
0.60	406		425		426
0.70	407	427	428		429
0.80		430	431		432
0.90	409	433	434		435
1.03 (TOP)				436	
	INSIDE SURFACE (L.H.) X_R/C_R				
0.10 (BOTTOM)		437	438		
0.20		439	440		441
0.30					
0.40		442	443		444
0.50		445	446		447
0.60					
0.70		448	449		450
0.80					
0.90		451	452		453
1.03 (TOP)				454	

TABLE VIII. COEFFICIENT TOLERANCES FOR THE 4-INCH TASK MKIIA BALANCE FOR THE RANGE OF DYNAMIC PRESSURES TESTED

COEFFICIENT	DYNAMIC PRESSURE, q(PSF)		
	113	282	451
CN	±0.022300	±0.008900	±0.005600
CIM	±0.006600	±0.002600	±0.001650
CY	±0.078600	±0.007460	±0.004660
CYN	±0.001640	±0.000660	±0.000910
CA	±0.002600	±0.001000	±0.000660
CBL	±0.000843	±0.000338	±0.000210

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



a. Axes Systems Definition

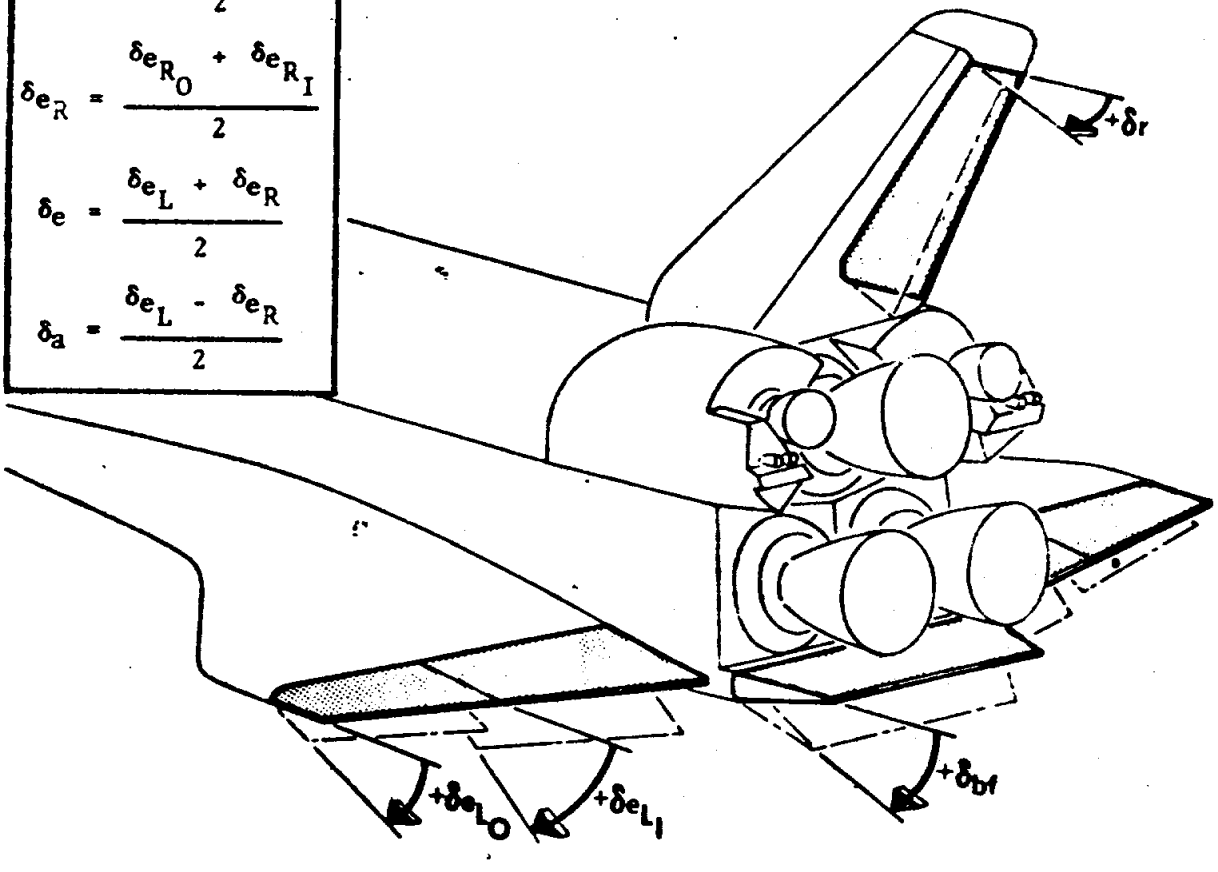
Figure 1. Axes systems and sign convention.

$$\delta e_L = \frac{\delta e_{L_O} + \delta e_{L_I}}{2}$$

$$\delta e_R = \frac{\delta e_{R_O} + \delta e_{R_I}}{2}$$

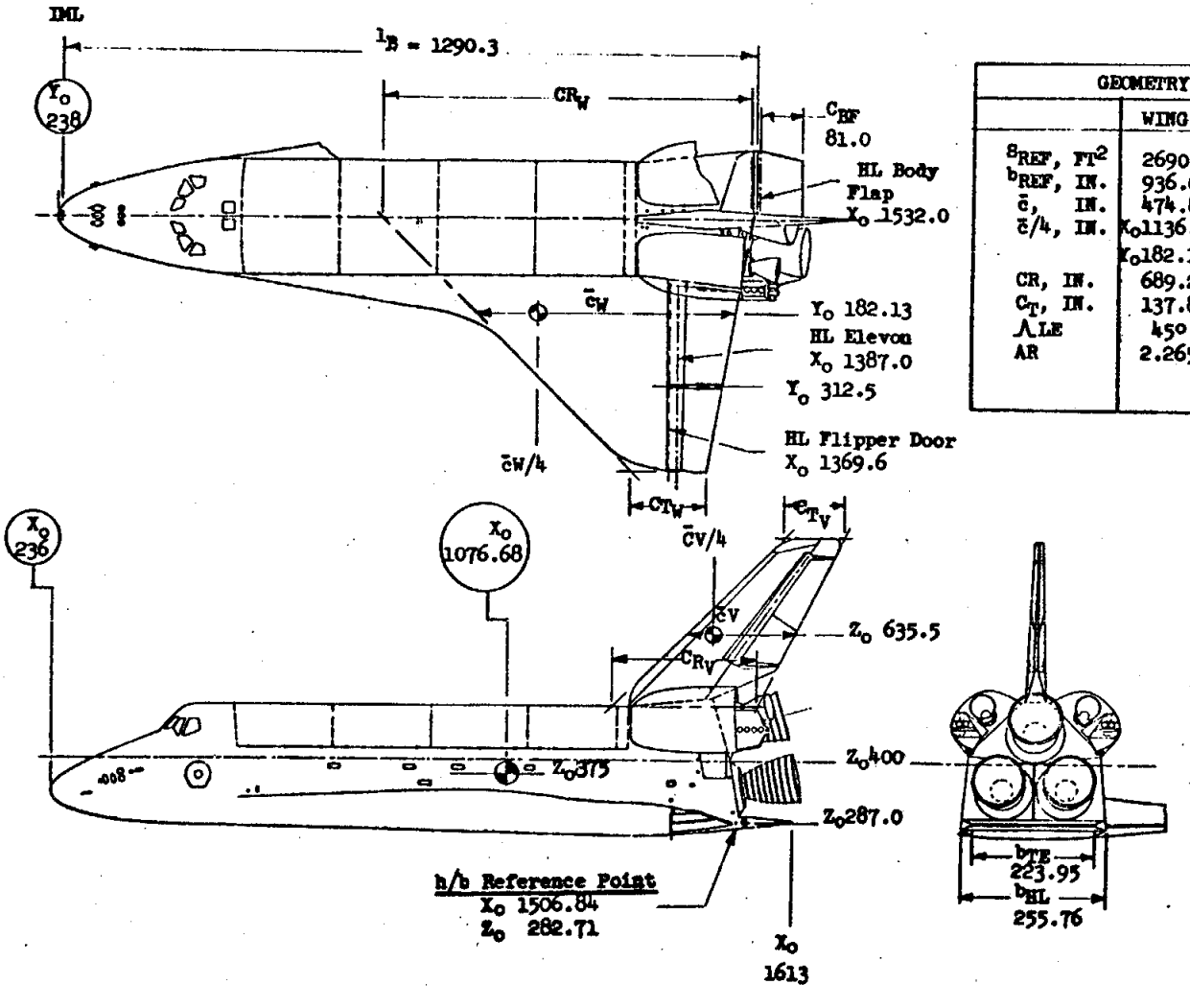
$$\delta e = \frac{\delta e_L + \delta e_R}{2}$$

$$\delta a = \frac{\delta e_L - \delta e_R}{2}$$



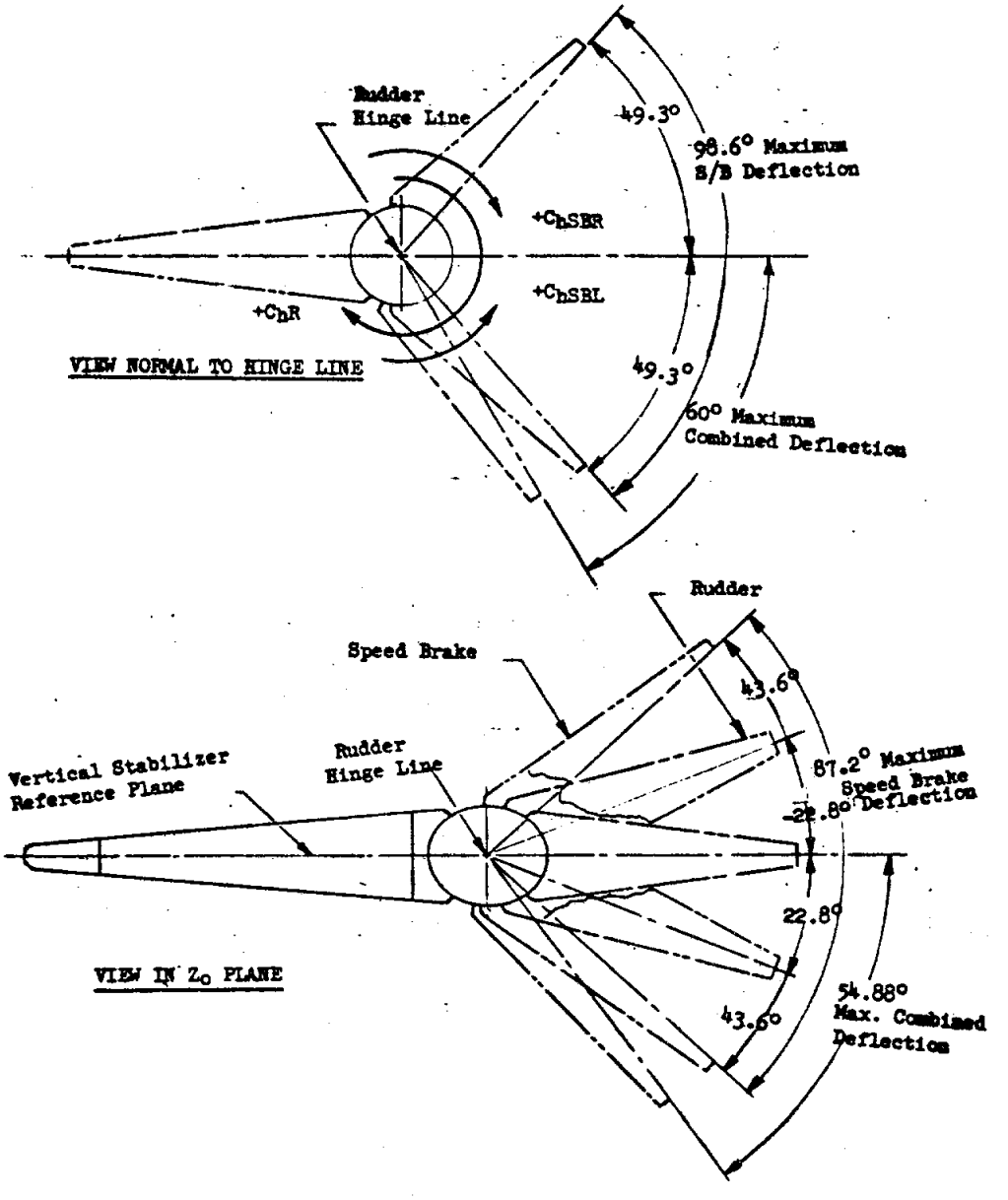
Positive Deflection of	Angle	Aero Forces and Moments	Hinge Moment
Rudder, δr	$+\beta$, $-\psi$	$+C_Y$, $-C_n$	$-C_{h_r}$
Elevon, δe	$-\alpha$, $-\theta$	$-C_m$	C_{h_e}
Right, δe_R	$-\phi$	$-C_\ell$	$-C_{he_R}$
Left, δe_L	$+\phi$	$+C_\ell$	$-C_{he_L}$
Aileron, δa	$+\phi$	$+C_\ell$	
Body Flap, δbf	$-\alpha$, $-\theta$	$-C_m$	$-C_{hbf}$

b. Control Surface Deflections
Figure 1. Continued

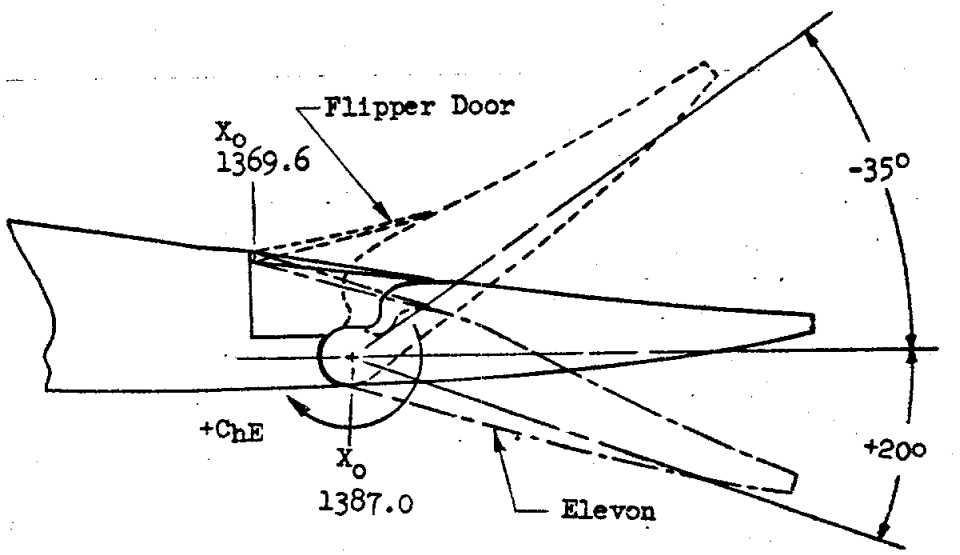


GEOMETRY		
	WING	VERTICAL
S_{REF}, FT^2	2690	413.25
b_{REF}, IN.	936.68	315.72
$\bar{c}$, IN.	474.81	199.81
$\bar{c}/4$, IN.	X_o1136.83	X_o1463.35
	Y_o182.13	Z_o635.5
CR, IN.	689.24	
C_T, IN.	137.85	
Λ_{LE}	45°	45°
AR	2.265	1.675

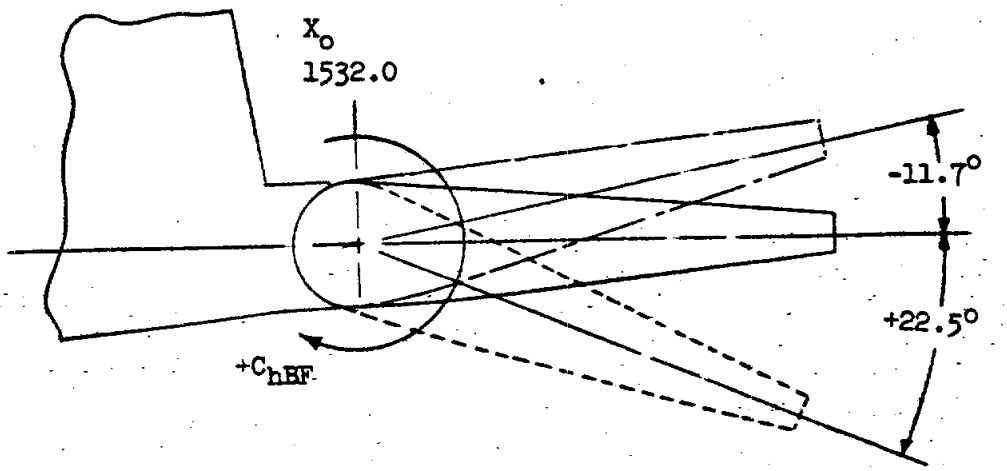
c. Orbiter Reference Dimensions
Figure 1. Continued.



d. Rudder/Speed Brake Deflections
Figure 1. Continued.

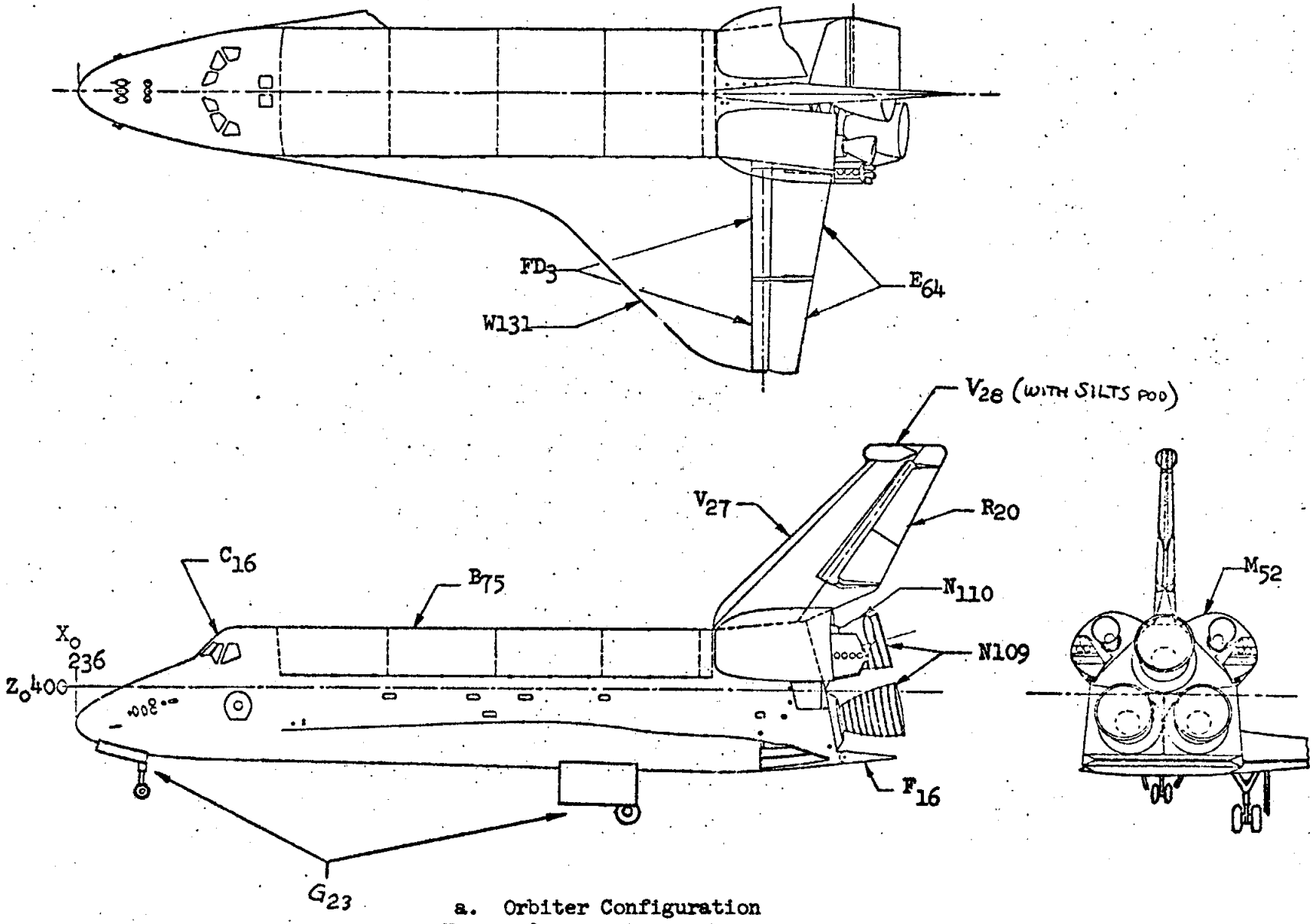


ELEVON DEFLECTIONS



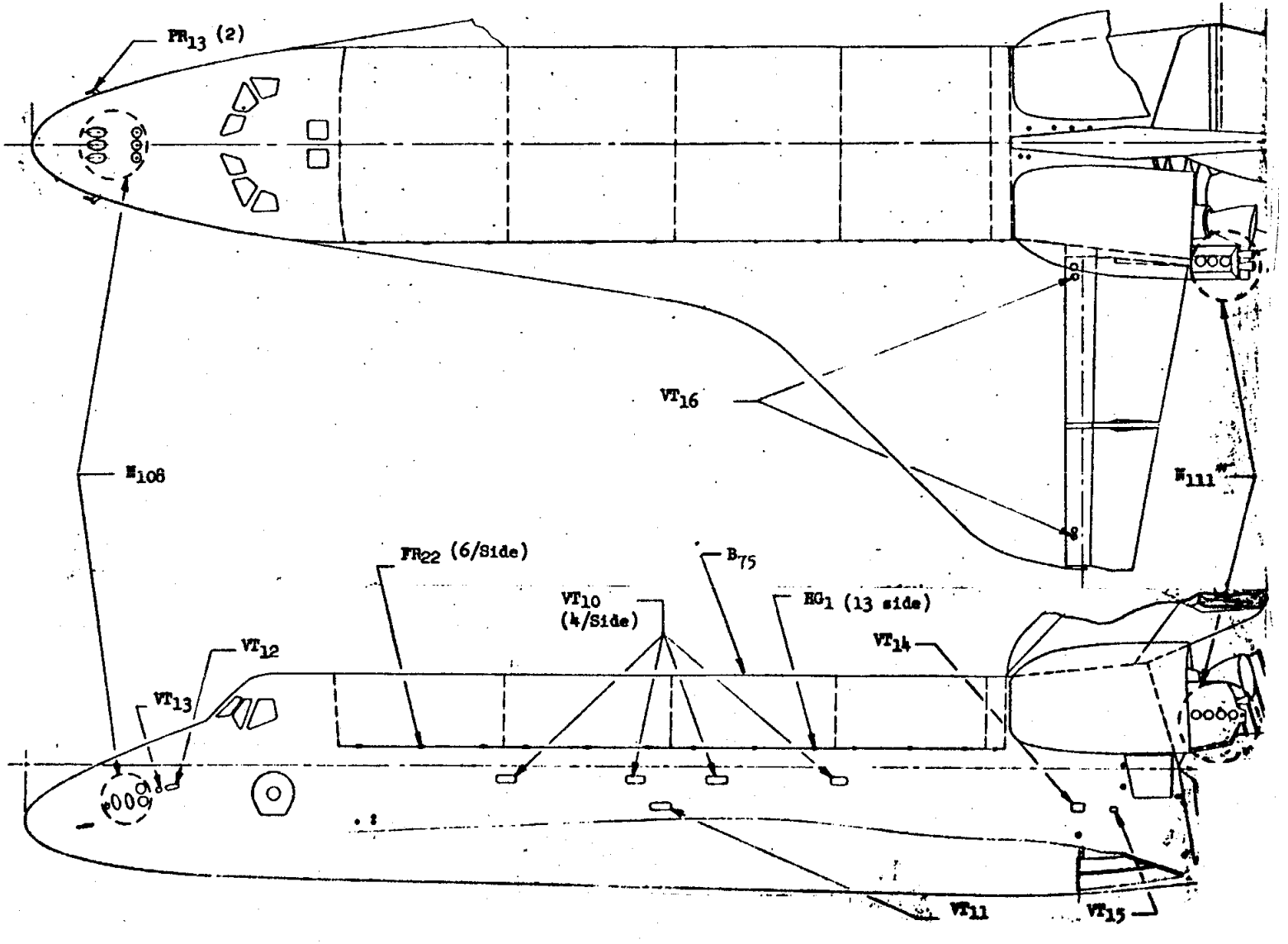
BODY FLAP DEFLECTIONS

e. Elevon and Body Flap Deflections
Figure 1. Concluded.

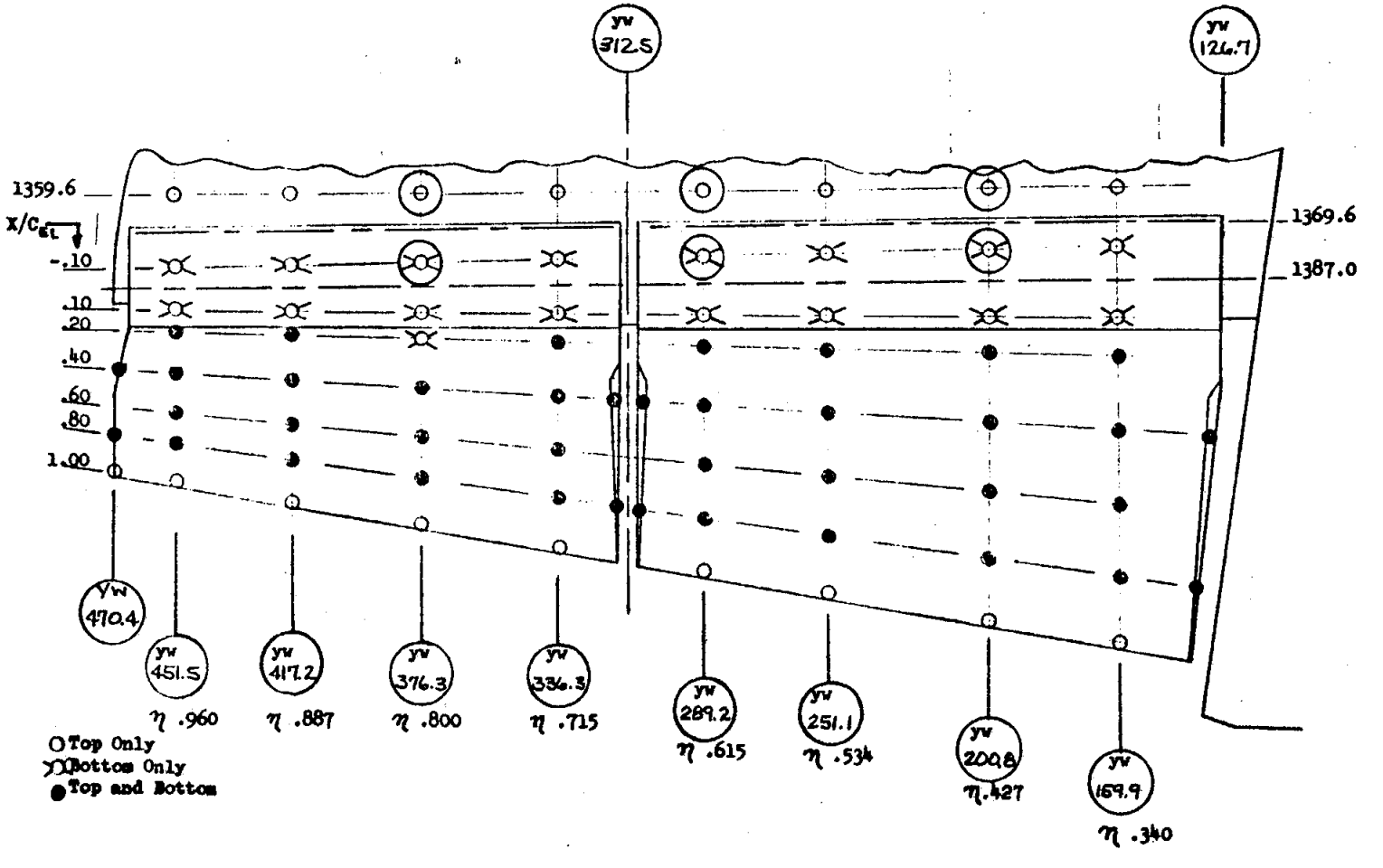


a. Orbiter Configuration

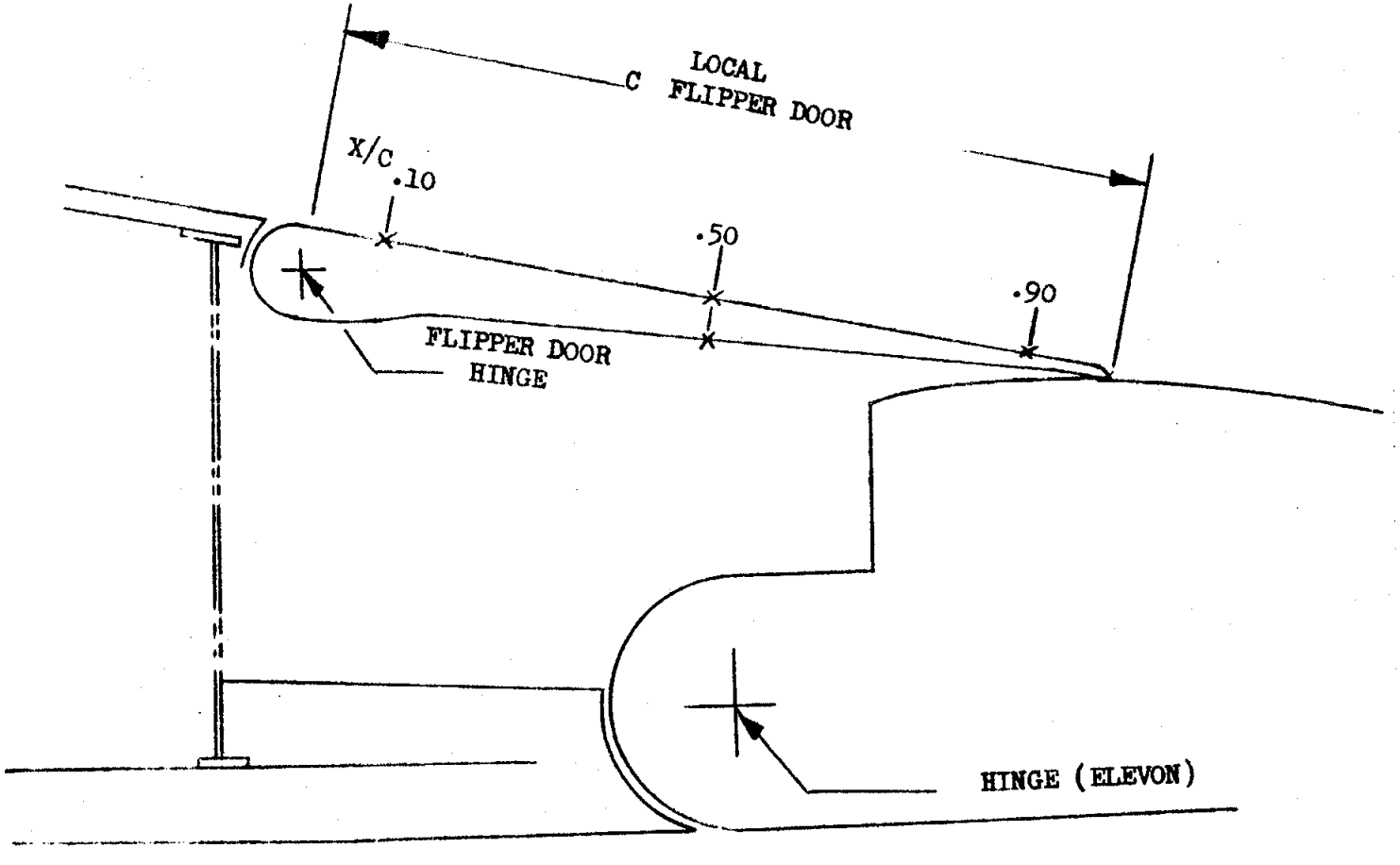
Figure 2. Model sketches.



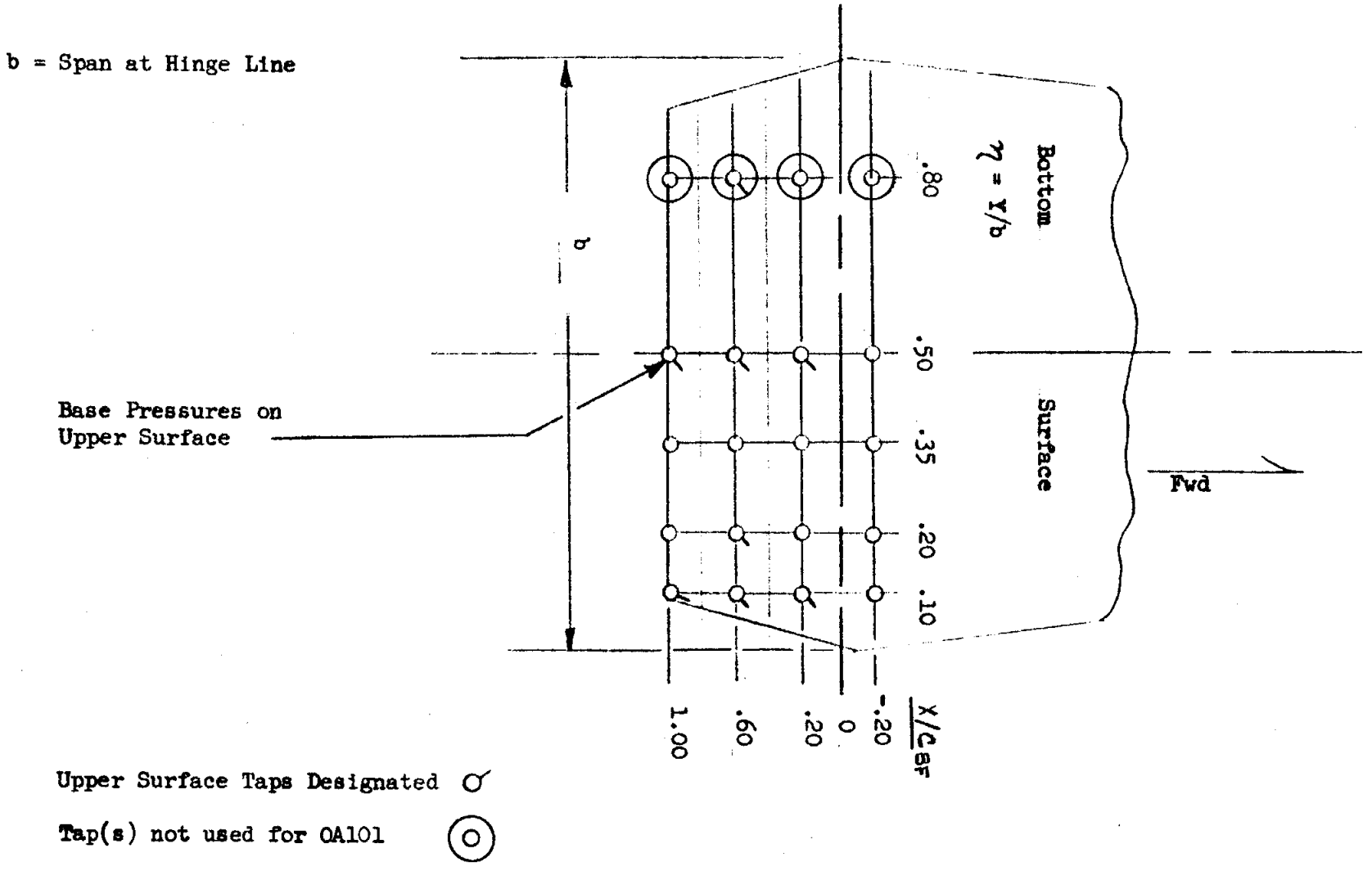
b. Protuberances and Penetrations
Figure 2. Continued.



c. Elevon and Wing Pressure Tap Locations
Figure 2. Continued.

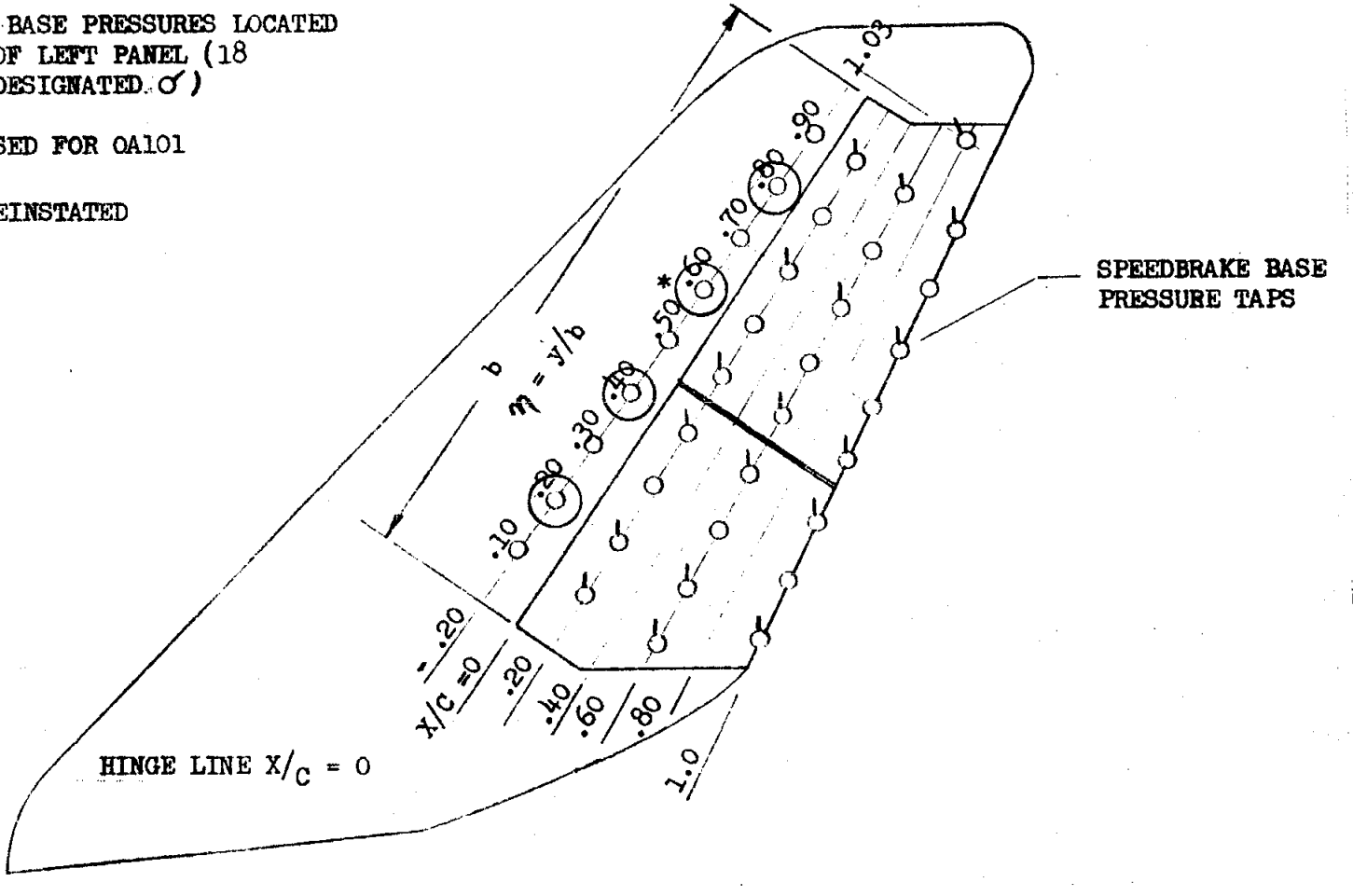


d. Flipper Door and Elevon Cavity Pressure Tap Locations
Figure 2. Continued.

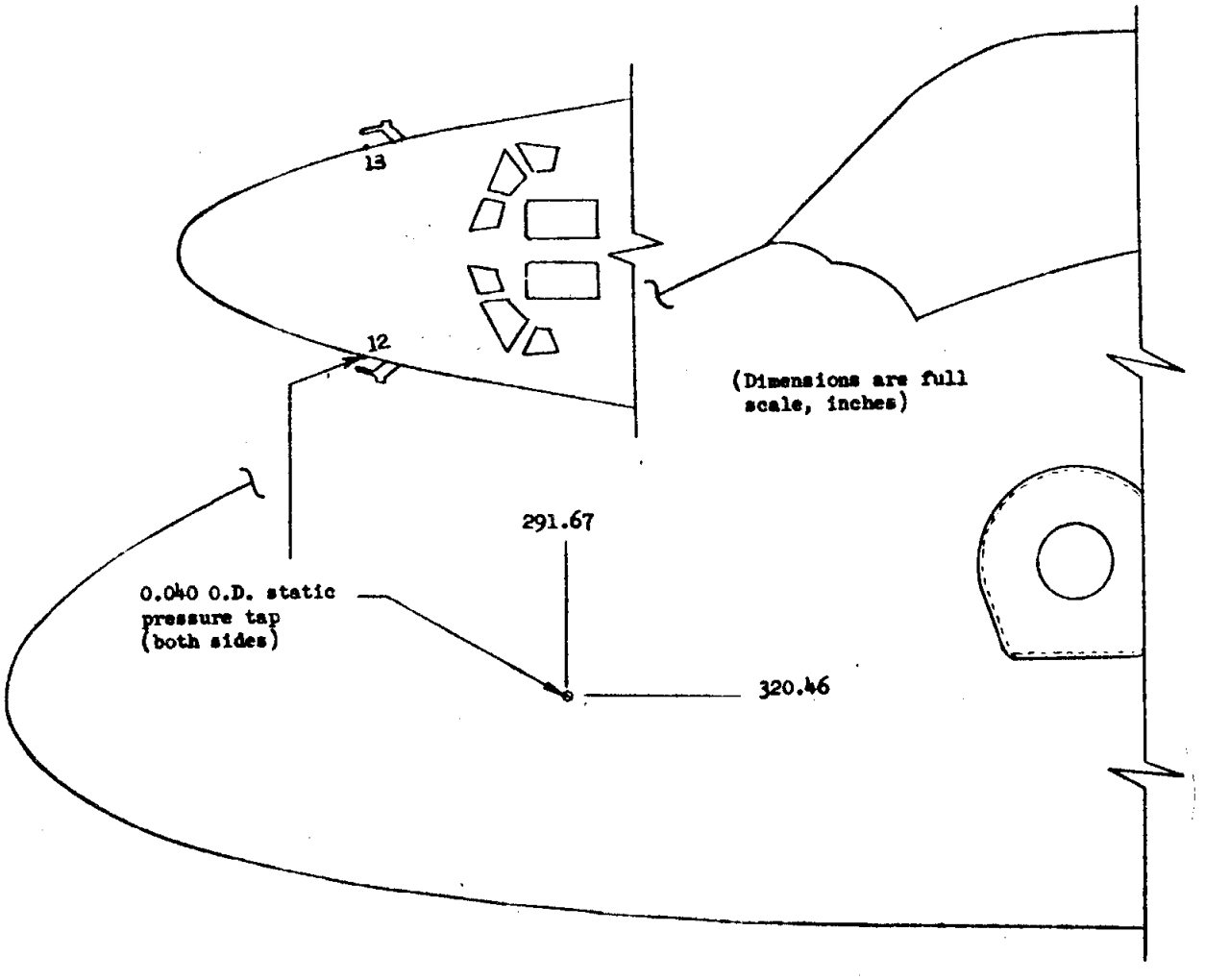


e. Body Flap Pressure Tap Locations
Figure 2. Continued.

- o ALL MEASUREMENTS LEFT SIDE ONLY.
- o TAPS AT T.E. LOCATED AS CLOSE TO T.E. AS POSSIBLE.
- o SPEEDBRAKE BASE PRESSURES LOCATED ON INSIDE OF LEFT PANEL (18 LOCATIONS DESIGNATED ⊙)
- ◎ TAPS NOT USED FOR OA101
- * THIS TAP REINSTATED



f. Rudder/Speed Brake Surface Pressure Tap Locations
Figure 2. Continued.

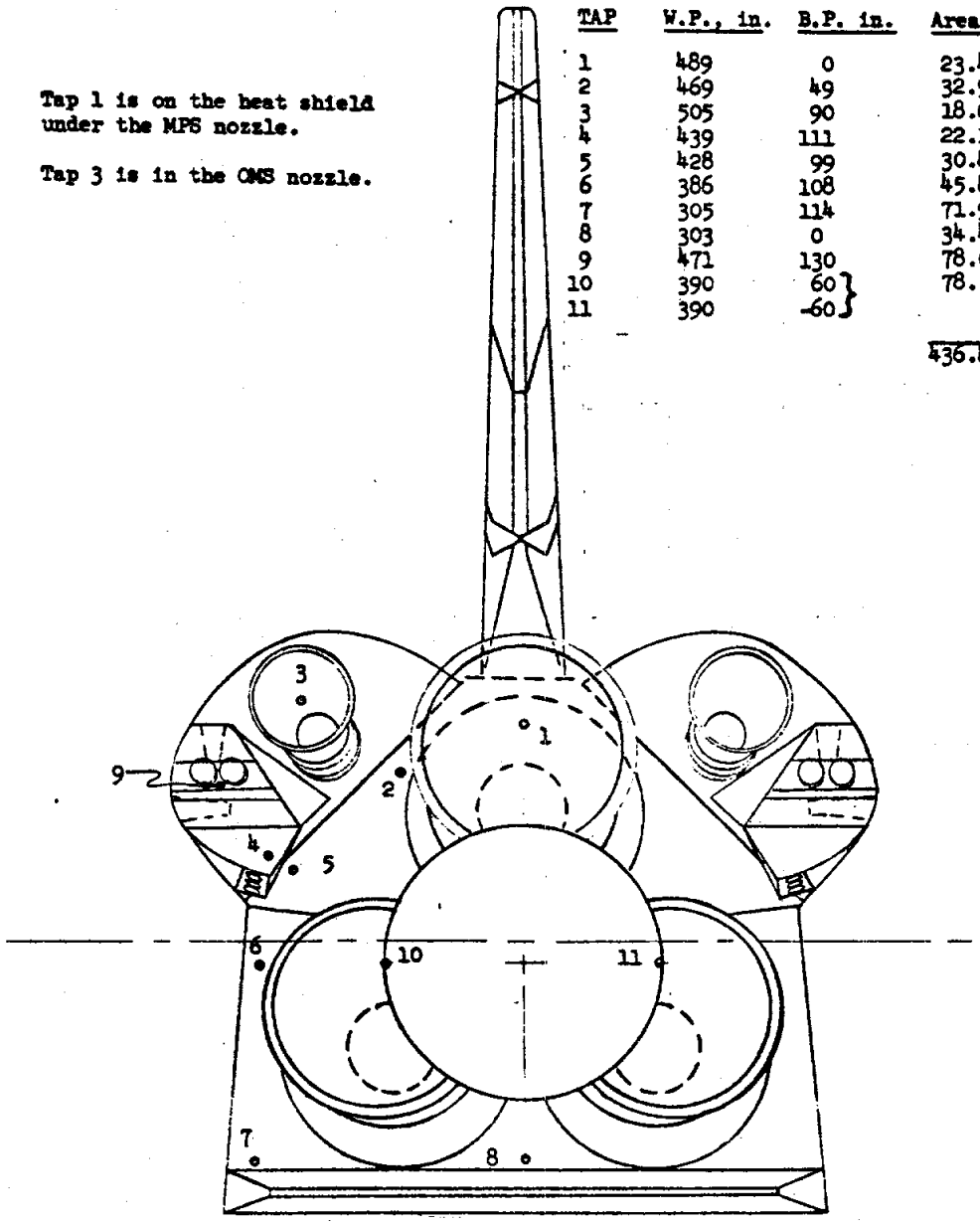


g. Air Data Probe Pressure Tap Locations
Figure 2. Continued.

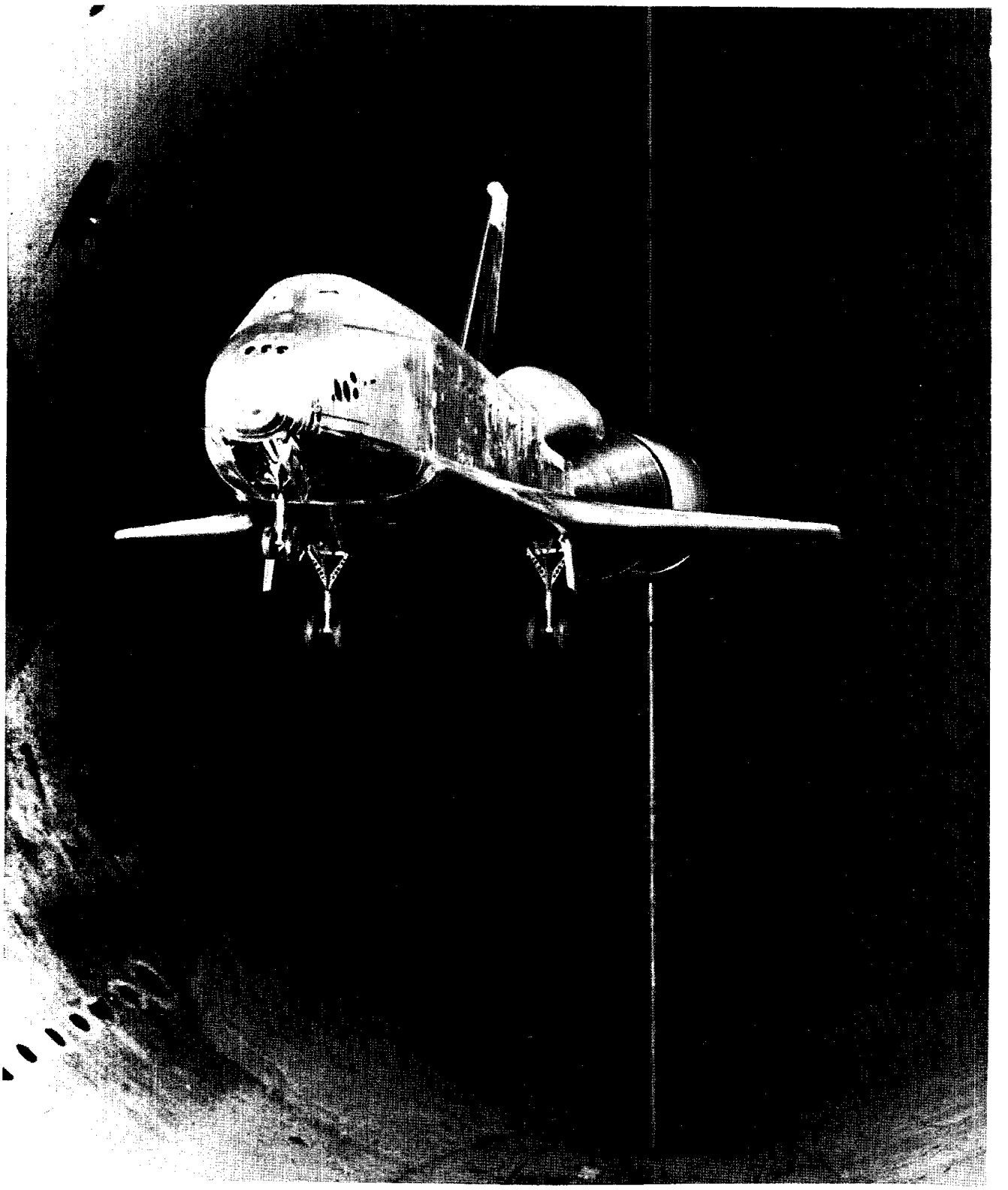
Tap 1 is on the heat shield under the MPS nozzle.

Tap 3 is in the OMS nozzle.

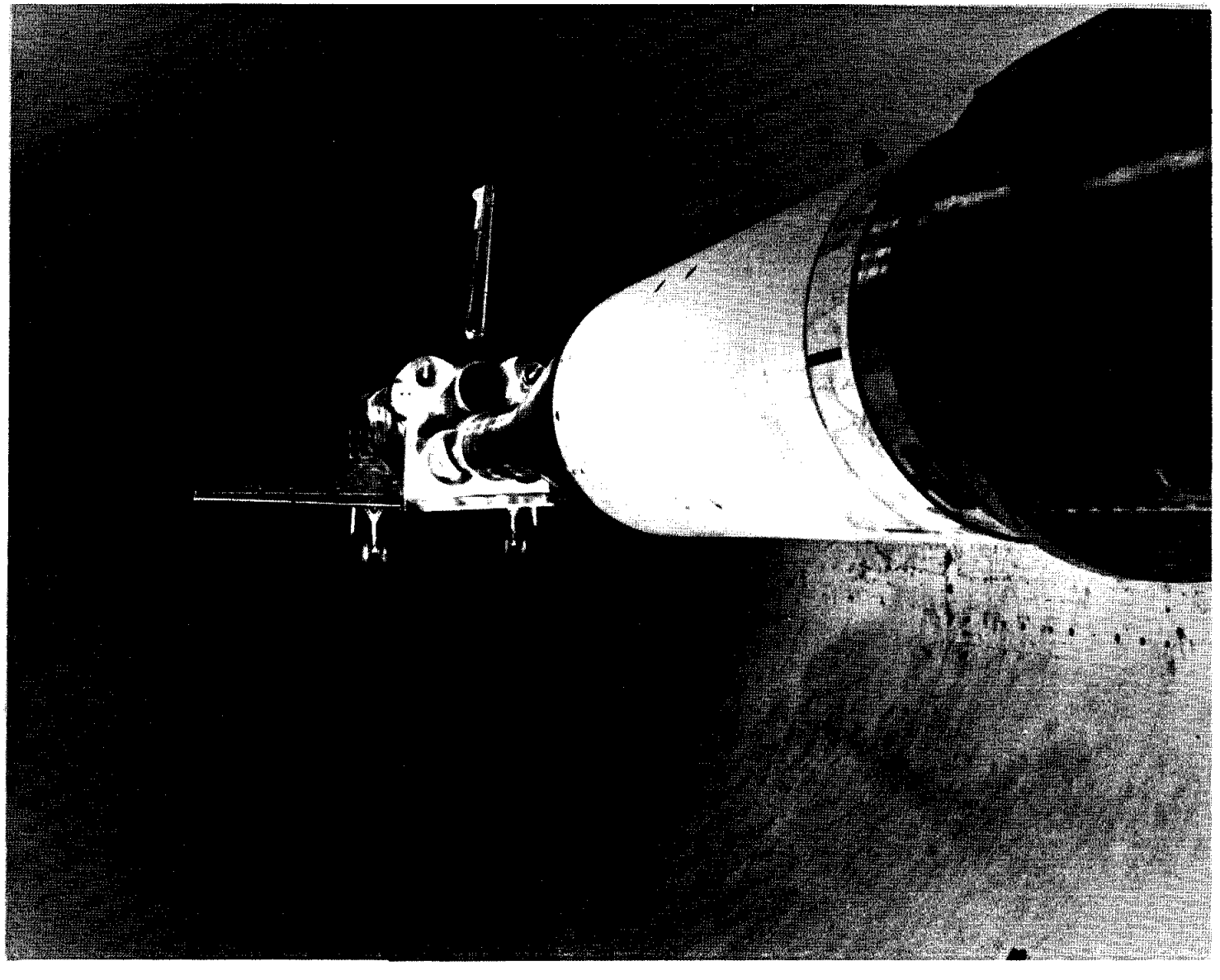
TAP	W.P., in.	B.P. in.	Area, ft^2
1	489	0	23.48
2	469	49	32.96
3	505	90	18.68
4	439	111	22.12
5	428	99	30.88
6	386	108	45.84
7	305	114	71.92
8	303	0	34.40
9	471	130	78.00
10	390	60	78.52
11	390	-60	
			436.80



h. Base Pressure Tap Locations
Figure 2. Concluded.

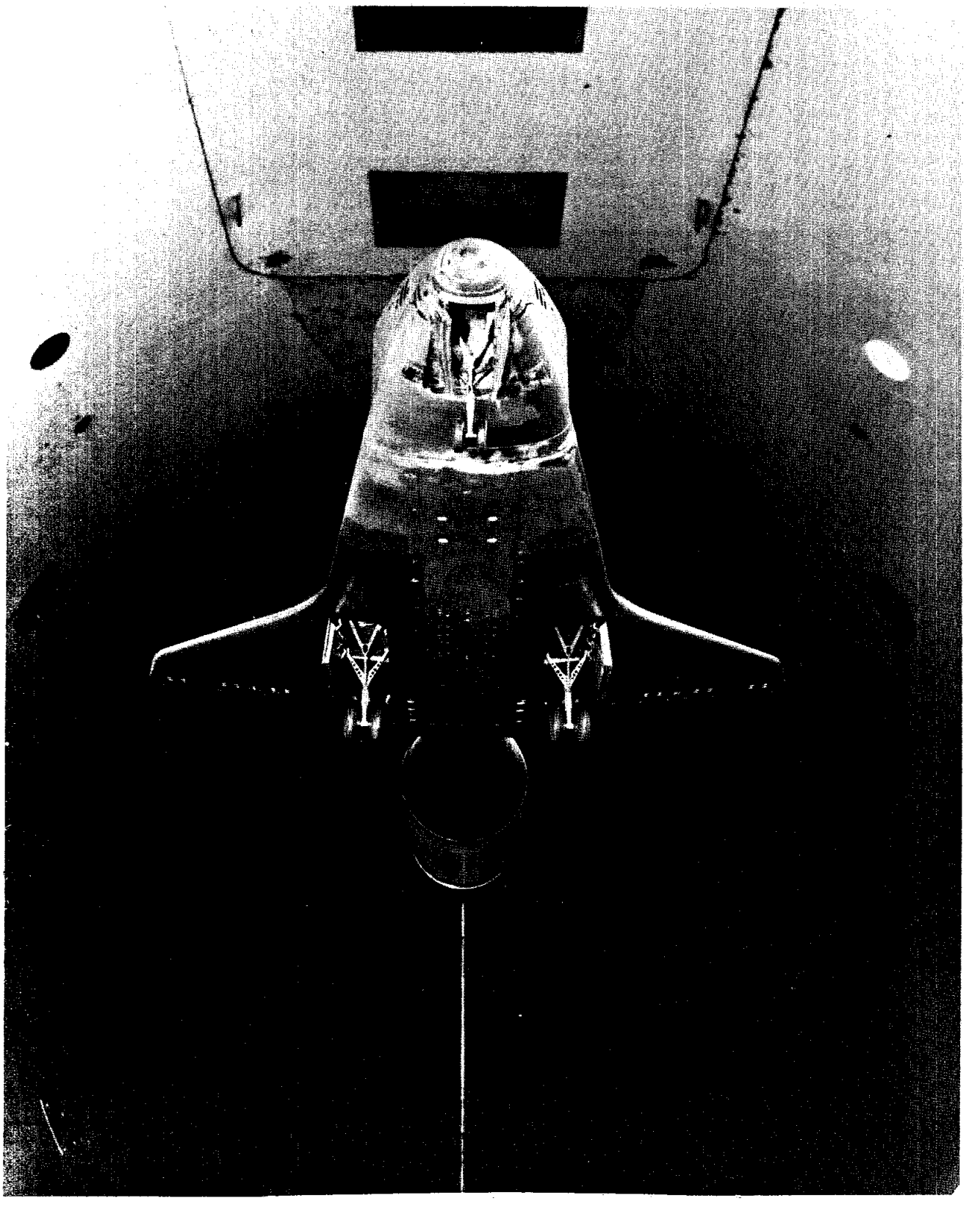


a. Front View of Model Installed
Figure 3. Model installation photographs.



b. Rear View of Model Installed

Figure 3. Continued.



c. Bottom View of Model Installed
Figure 3. Concluded.

DATA FIGURES

DATA SET	SYMBOL	CONFIGURATION
R2Q001	○	ARC 218-1-12 OA101 (OV102)
R2Q002	□	ARC 218-1-12 OA101 (OV102)
3WL001	◇	JUNE 76 ADB

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

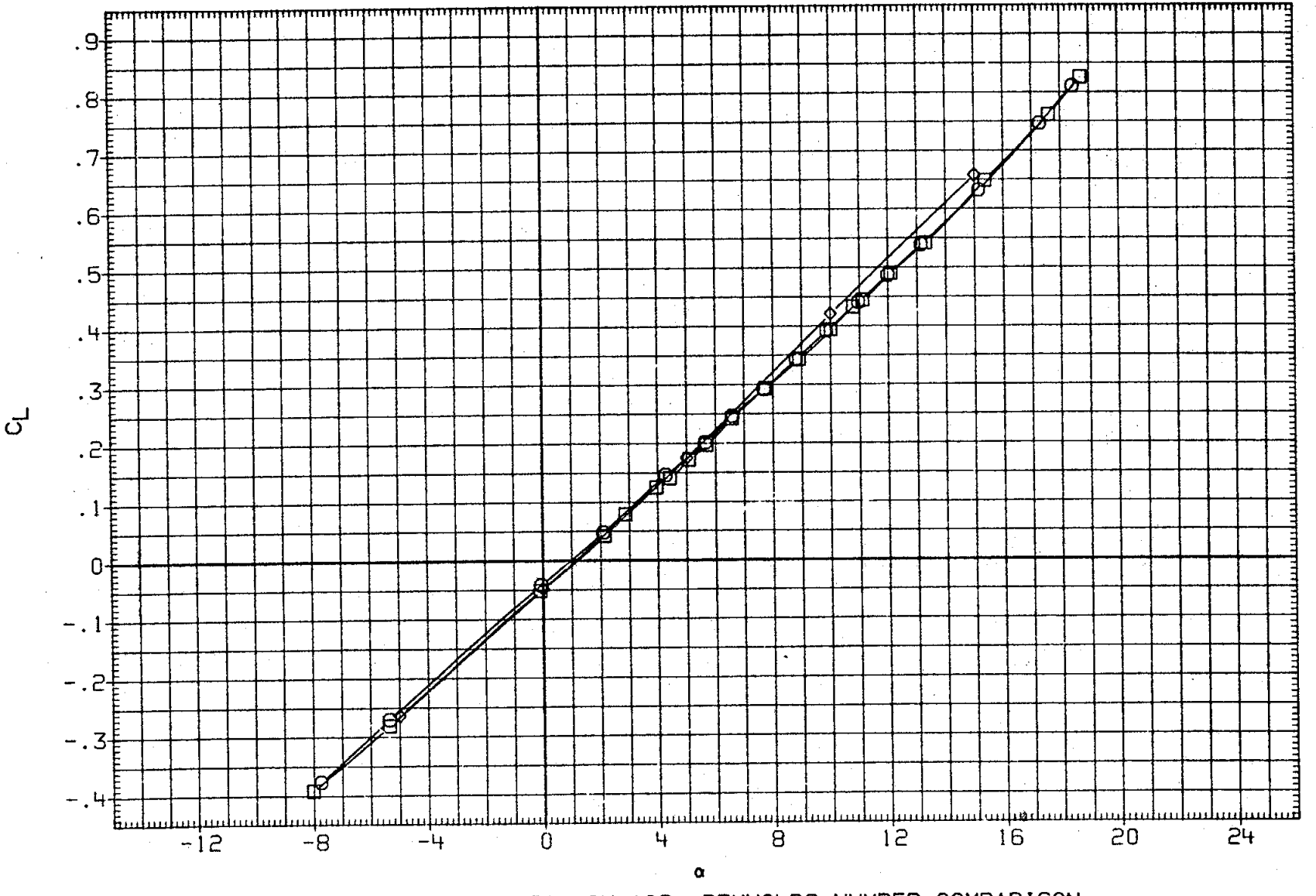


FIG. 4 BASIC LONGITUDINAL DATA OV-102 REYNOLDS NUMBER COMPARISON

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q001	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	5.000	.000
R2Q002	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	8.000	.000
3WL001	◇	JUNE 76 ADB	.000	.000	.000	.000	25.000		.000

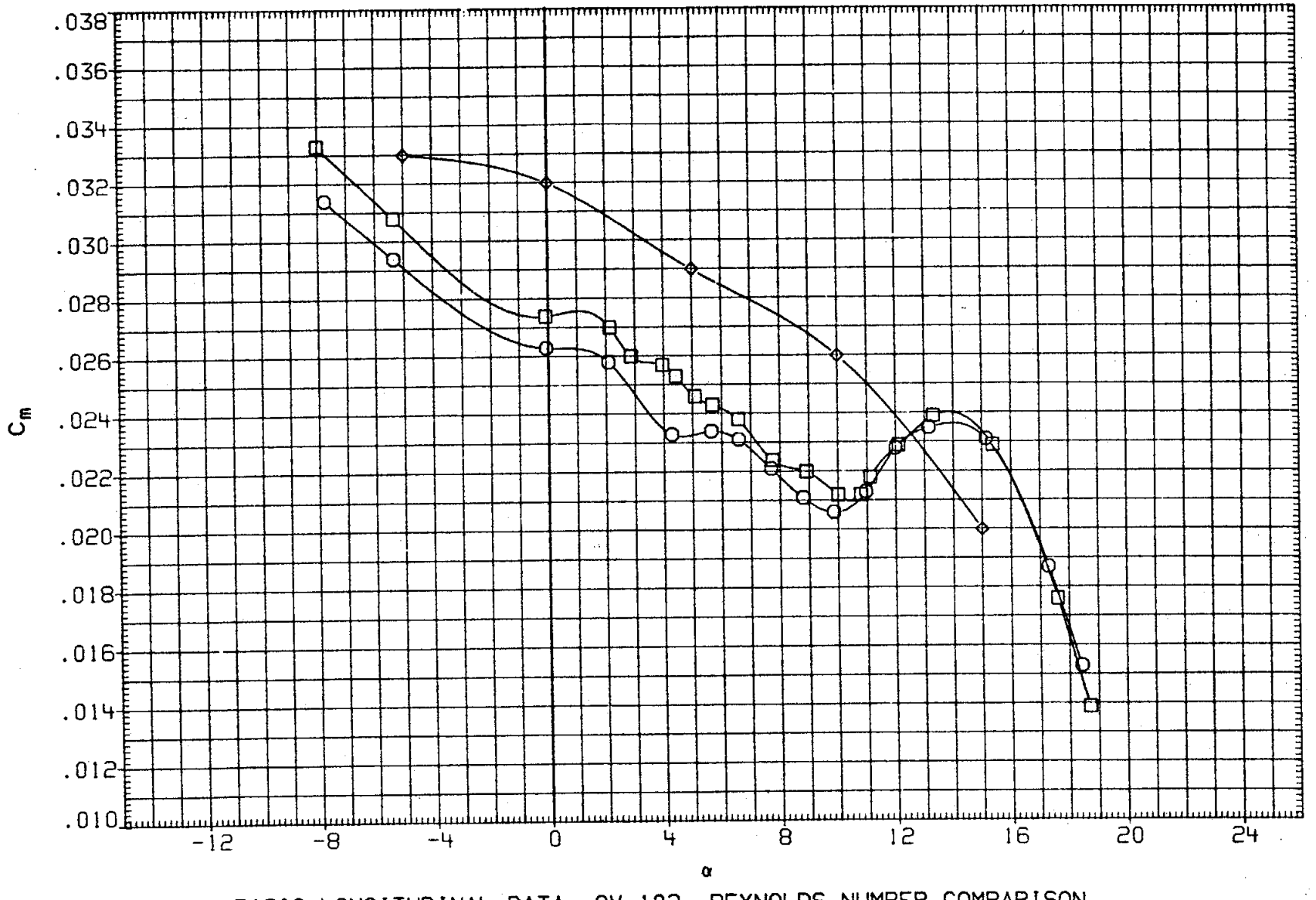


FIG. 4 BASIC LONGITUDINAL DATA OV-102 REYNOLDS NUMBER COMPARISON

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q001	○	ARC 218-1-12 OA101 (OV102)
R2Q002	□	ARC 218-1-12 OA101 (OV102)
3WL001	◇	JUNE 76 ADB

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

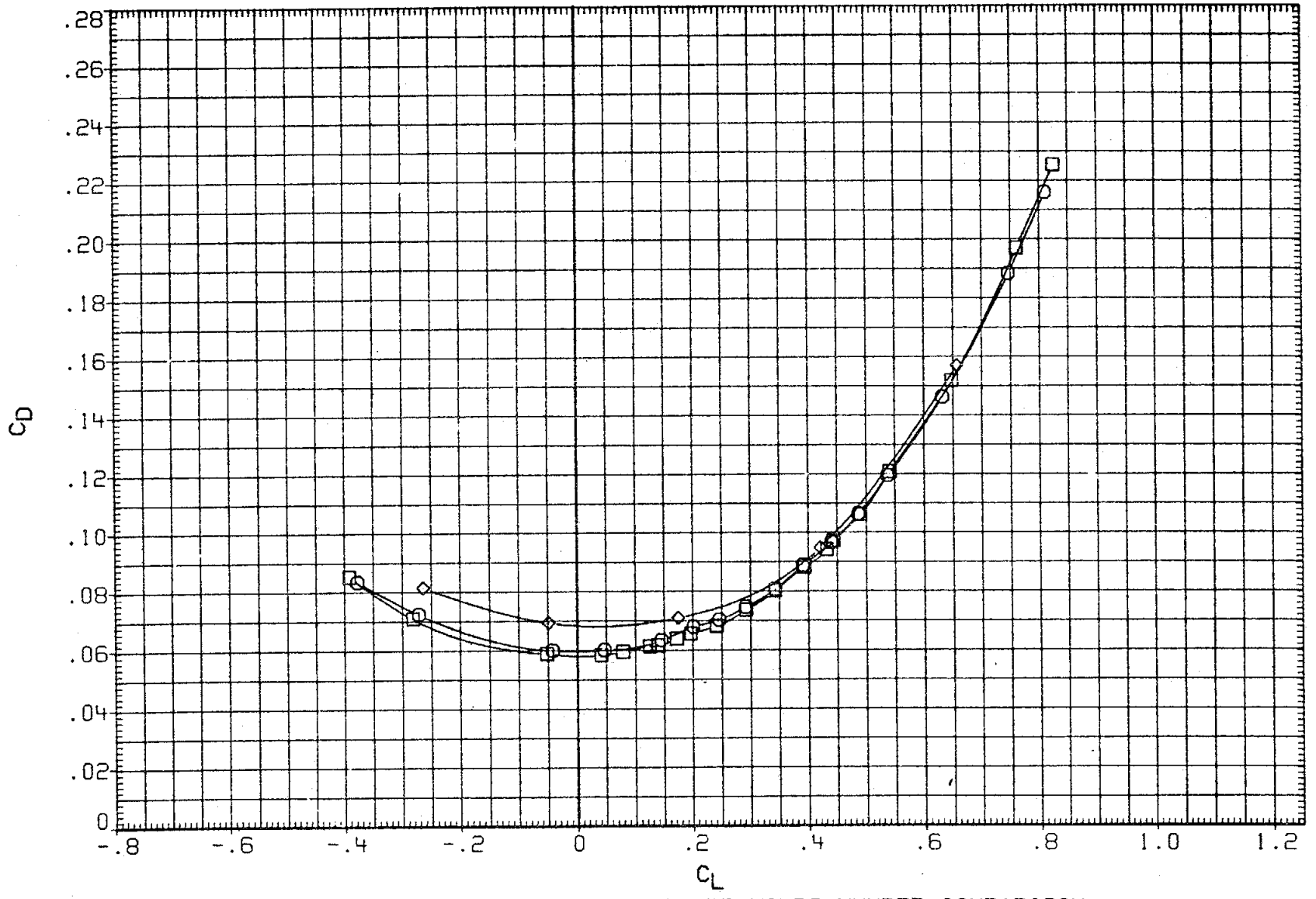


FIG. 4 BASIC LONGITUDINAL DATA OV-102 REYNOLDS NUMBER COMPARISON

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q001	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	5.000	.000
R2Q002	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	8.000	.000
3WL001	◇	JUNE 76 A08	.000	.000	.000	.000	25.000		.000

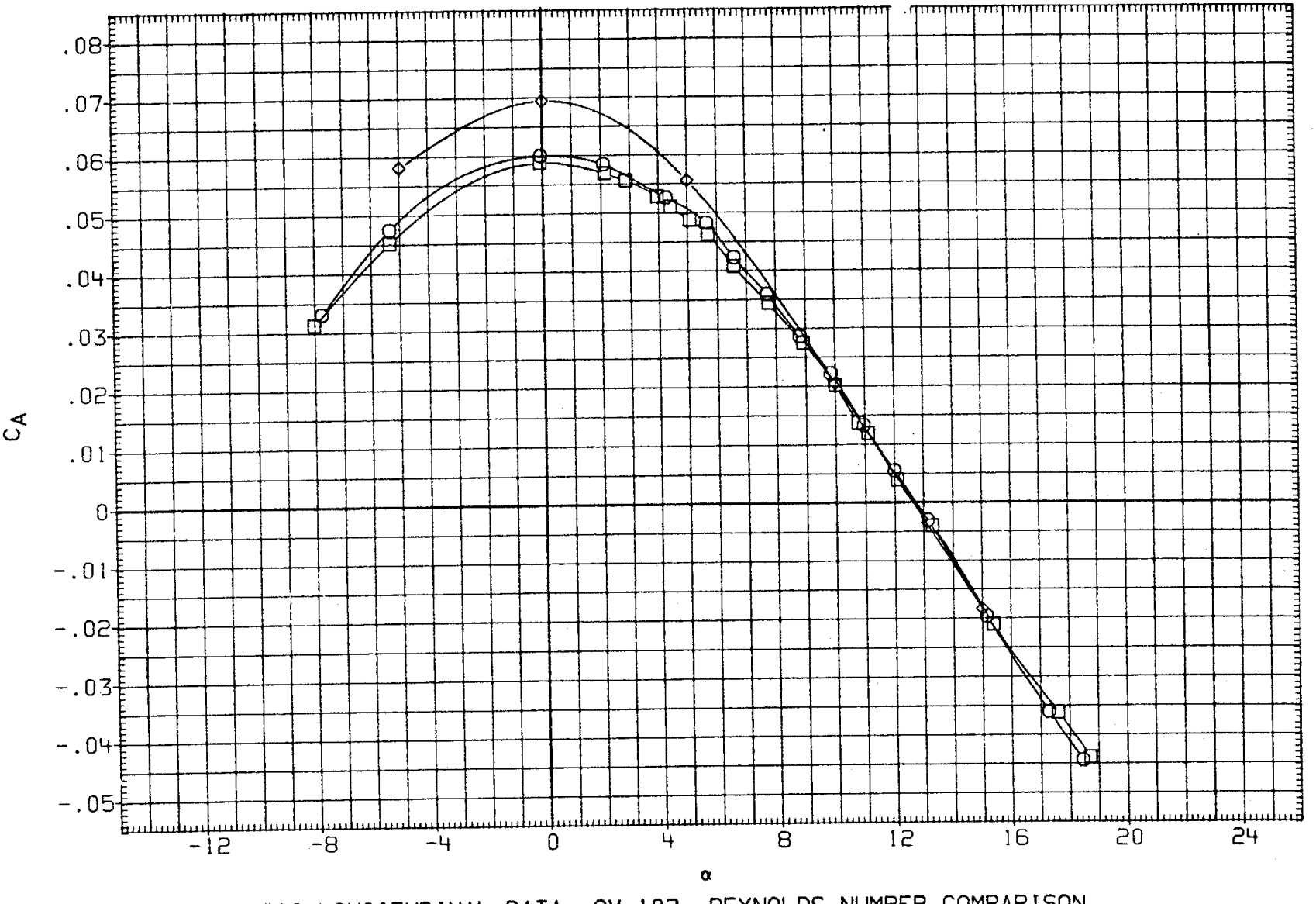


FIG. 4 BASIC LONGITUDINAL DATA OV-102 REYNOLDS NUMBER COMPARISON

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q005	○	ARC 218-1-12 OA101 (OV102)
R2Q006	□	ARC 218-1-12 OA101 (OV102)
3WL004	◇	JUNE 76 ^DB

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

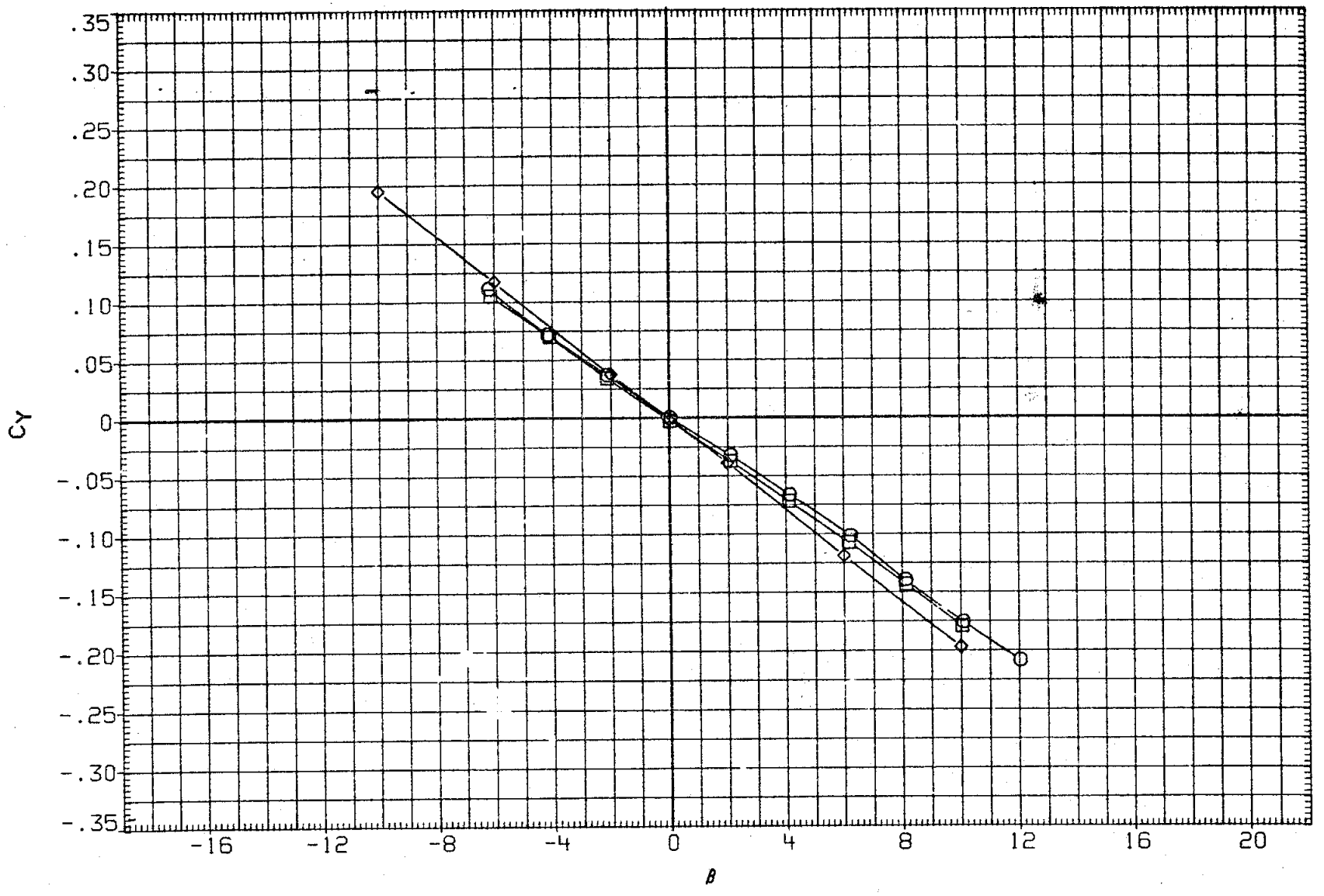


FIG. 5 BASIC LATERAL-DIRECTIONAL DATA OV-102 REYNOLDS NUMBER COMPARISON, ALPHA=5

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q005	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q006	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	8.000	.000
3WL004	◇	JUNE 76 ADB	5.000	.000	.000	.000	25.000		.000

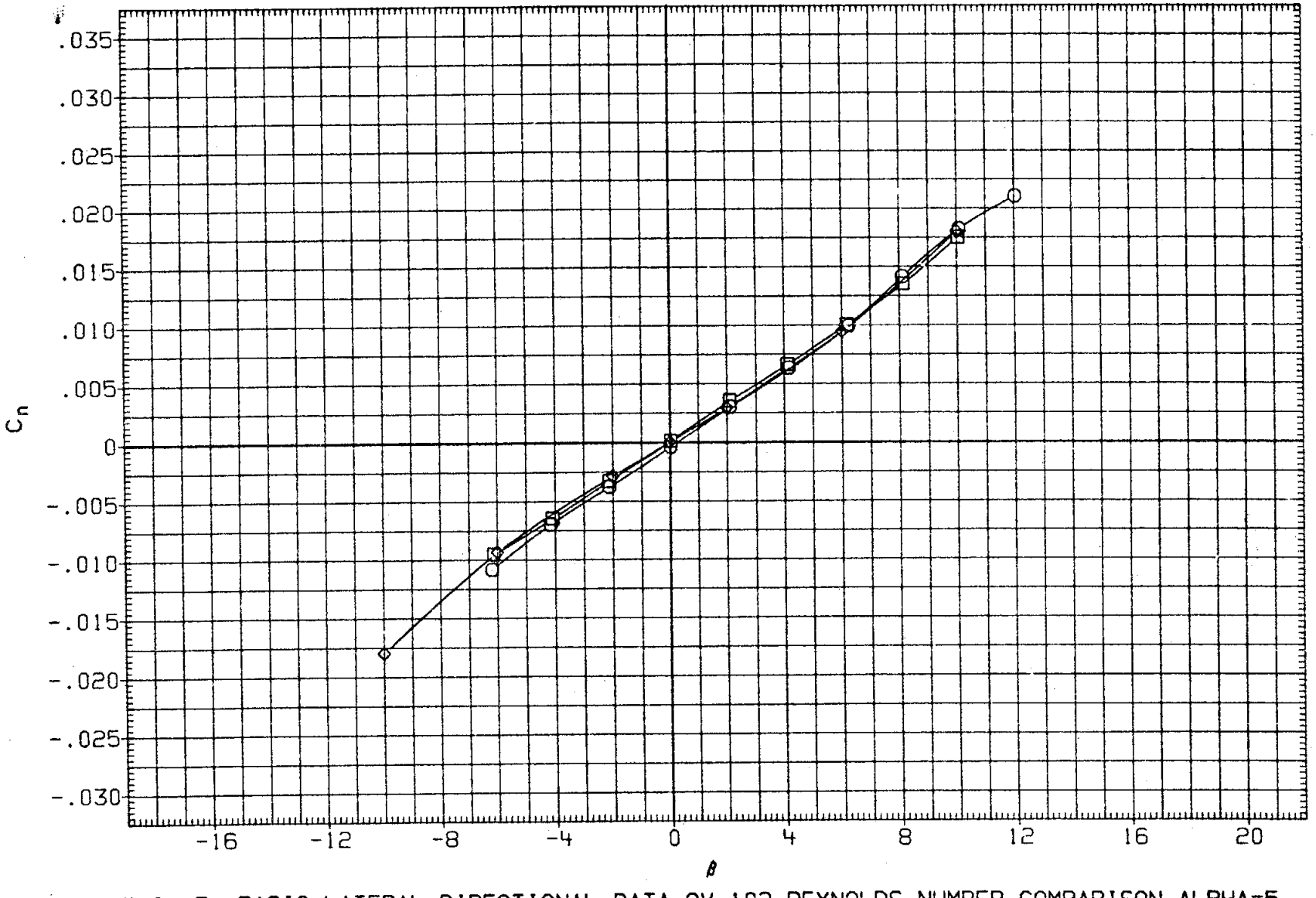


FIG. 5 BASIC LATERAL-DIRECTIONAL DATA OV-102 REYNOLDS NUMBER COMPARISON, ALPHA=5

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q005	○	ARC 218-1-12 0A101 (0V102)
R2Q006	□	ARC 218-1-12 0A101 (0V102)
3WL004	◇	JUNE 76 ADB

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

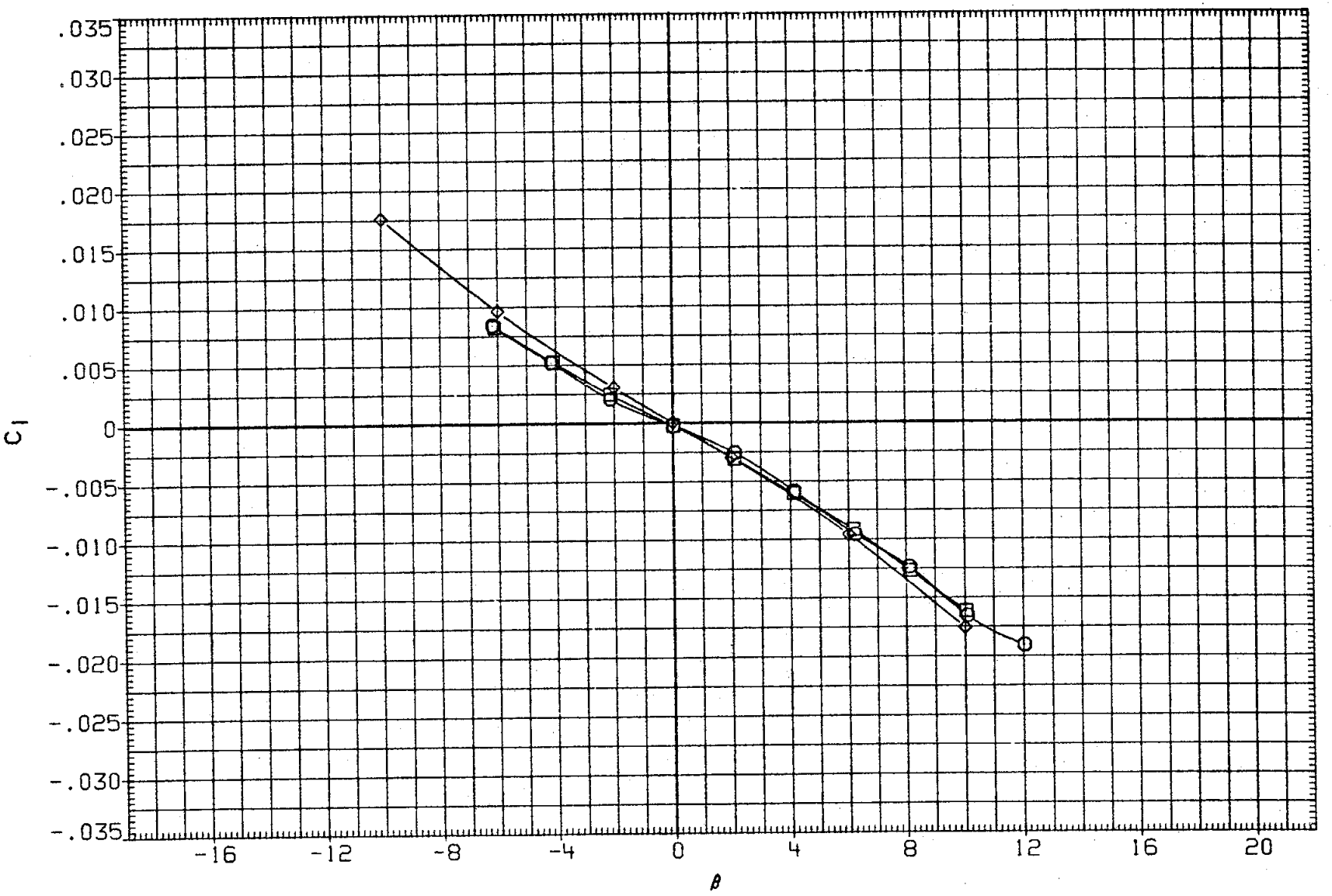


FIG. 5 BASIC LATERAL-DIRECTIONAL DATA OV-102 REYNOLDS NUMBER COMPARISON, ALPHA=5

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q003	○	ARC 218-1-12 OA101 (OV102)	-5.000	.000	.000	.000	25.000	8.000	.000
R2Q004	□	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	25.000	8.000	.000
R2Q006	◇	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	8.000	.000
3WL002	△	JUNE 76 ADB	-5.000	.000	.000	.000	25.000		.000
3WL003	▷	JUNE 76 ADB	.000	.000	.000	.000	25.000		.000
3WL004	D	JUNE 76 ADB	5.000	.000	.000	.000	25.000		.000

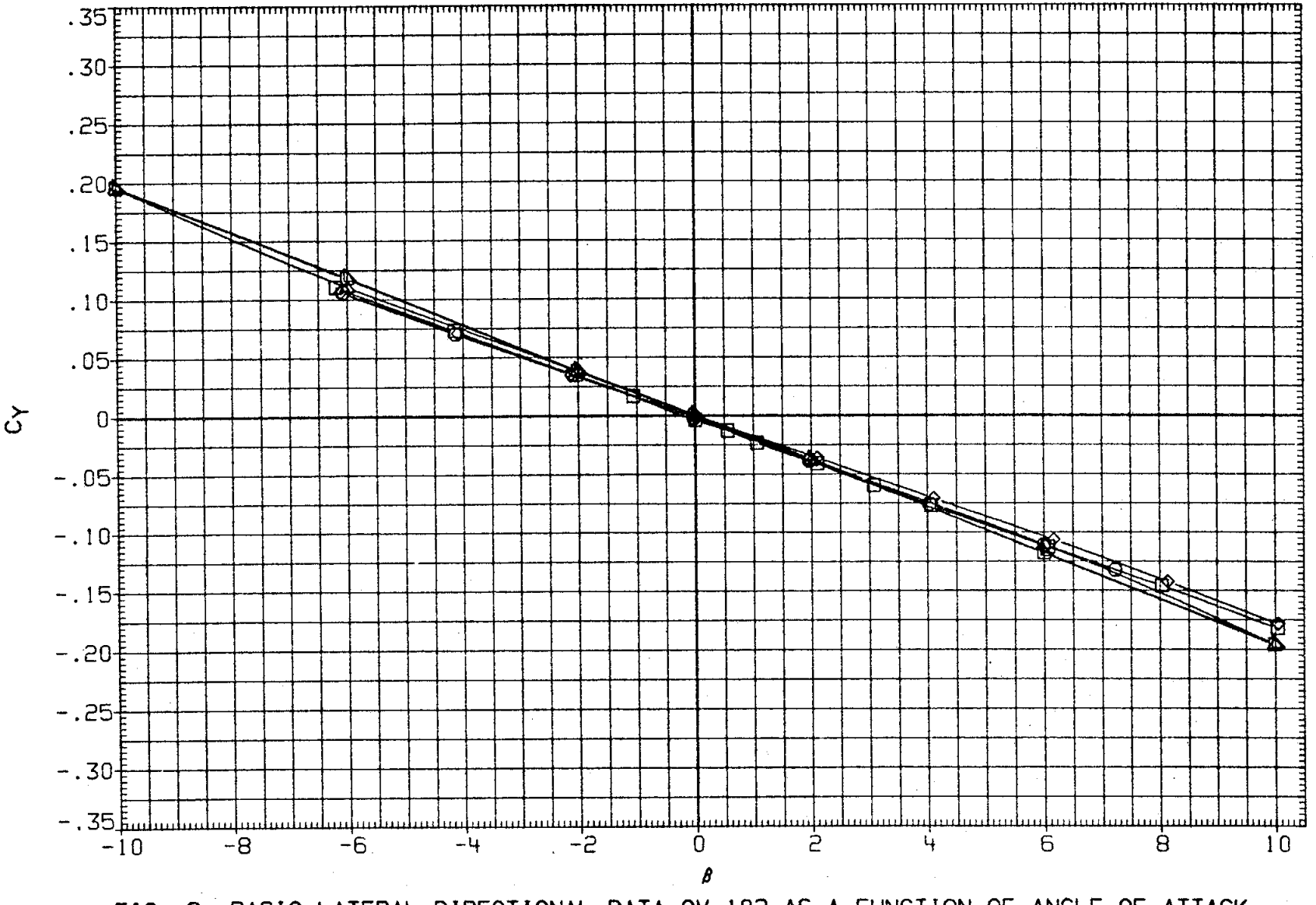


FIG. 6 BASIC LATERAL-DIRECTIONAL DATA OV-102 AS A FUNCTION OF ANGLE OF ATTACK

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q003	○	ARC 218-1-12 0A101 (0V102)
R2Q004	□	ARC 218-1-12 0A101 (0V102)
R2Q006	◇	ARC 218-1-12 0A101 (0V102)
3WL002	△	JUNE 76 ADB
3WL003	◁	JUNE 76 ADB
3WL004	▷	JUNE 76 ADB

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

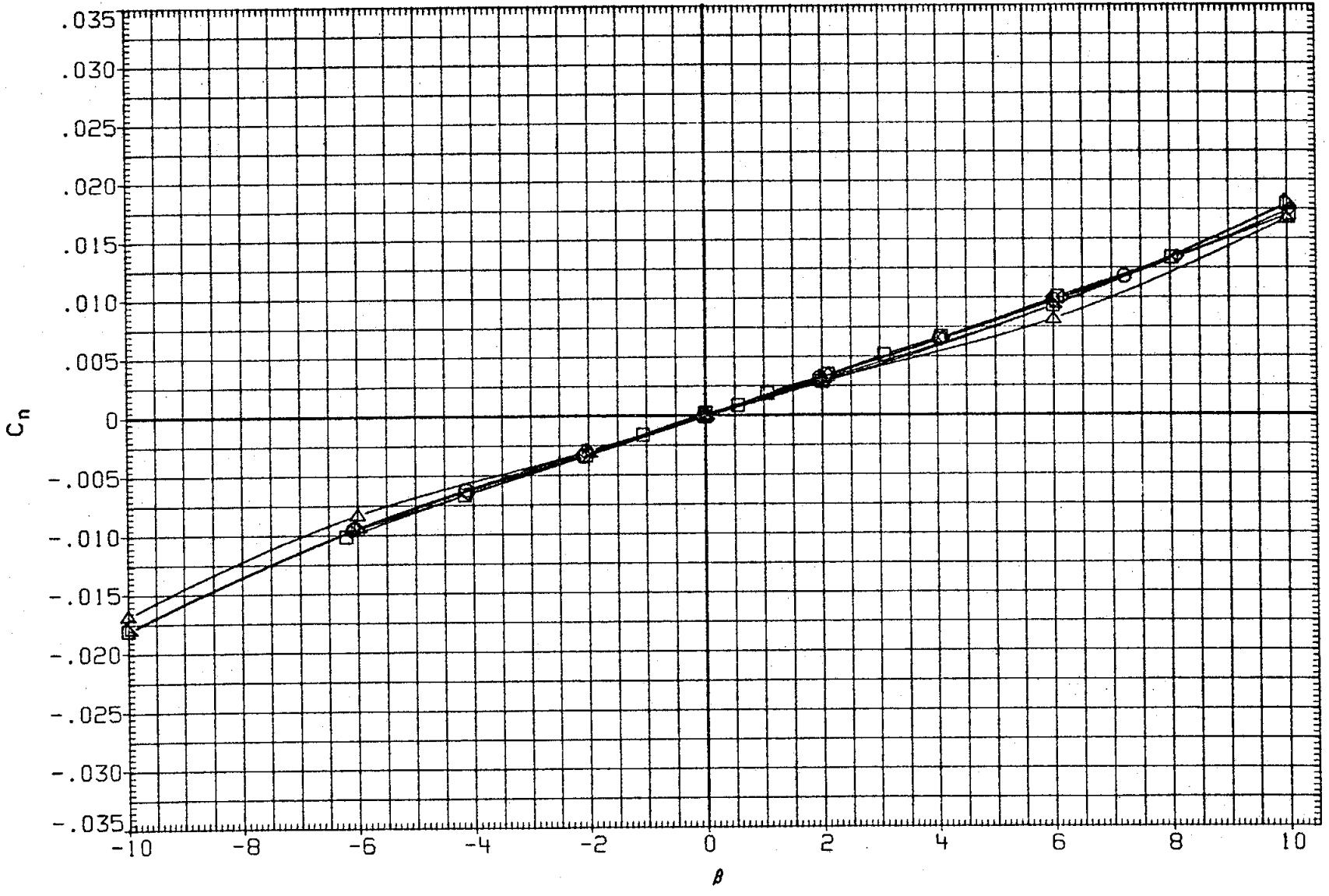


FIG. 6 BASIC LATERAL-DIRECTIONAL DATA OV-102 AS A FUNCTION OF ANGLE OF ATTACK

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q003	○	ARC 218-1-12 0A101 (0V102)
R2Q004	□	ARC 218-1-12 0A101 (0V102)
R2Q006	◇	ARC 218-1-12 0A101 (0V102)
3WL002	△	JUNE 76 ADB
3WL003	▷	JUNE 76 ADB
3WL004	⬠	JUNE 76 ADB

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

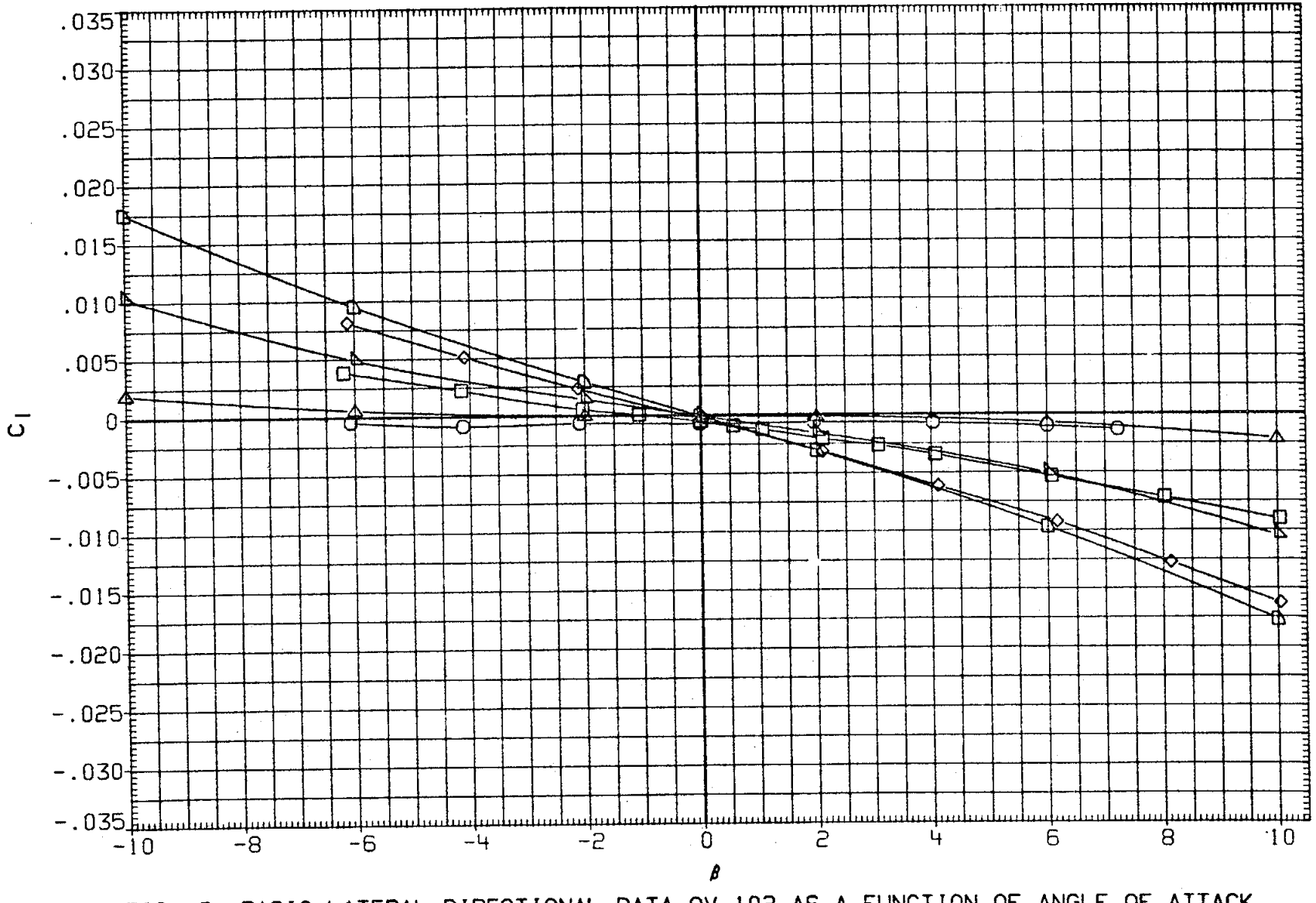


FIG. 6 BASIC LATERAL-DIRECTIONAL DATA OV-102 AS A FUNCTION OF ANGLE OF ATTACK

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q007	○	ARC 218-1-12 0A101 (0V102)
R2Q008	□	ARC 218-1-12 0A101 (0V102)
3WL005	◇	JUNE 76 ADB
3WL006	△	JUNE 76 ADB

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

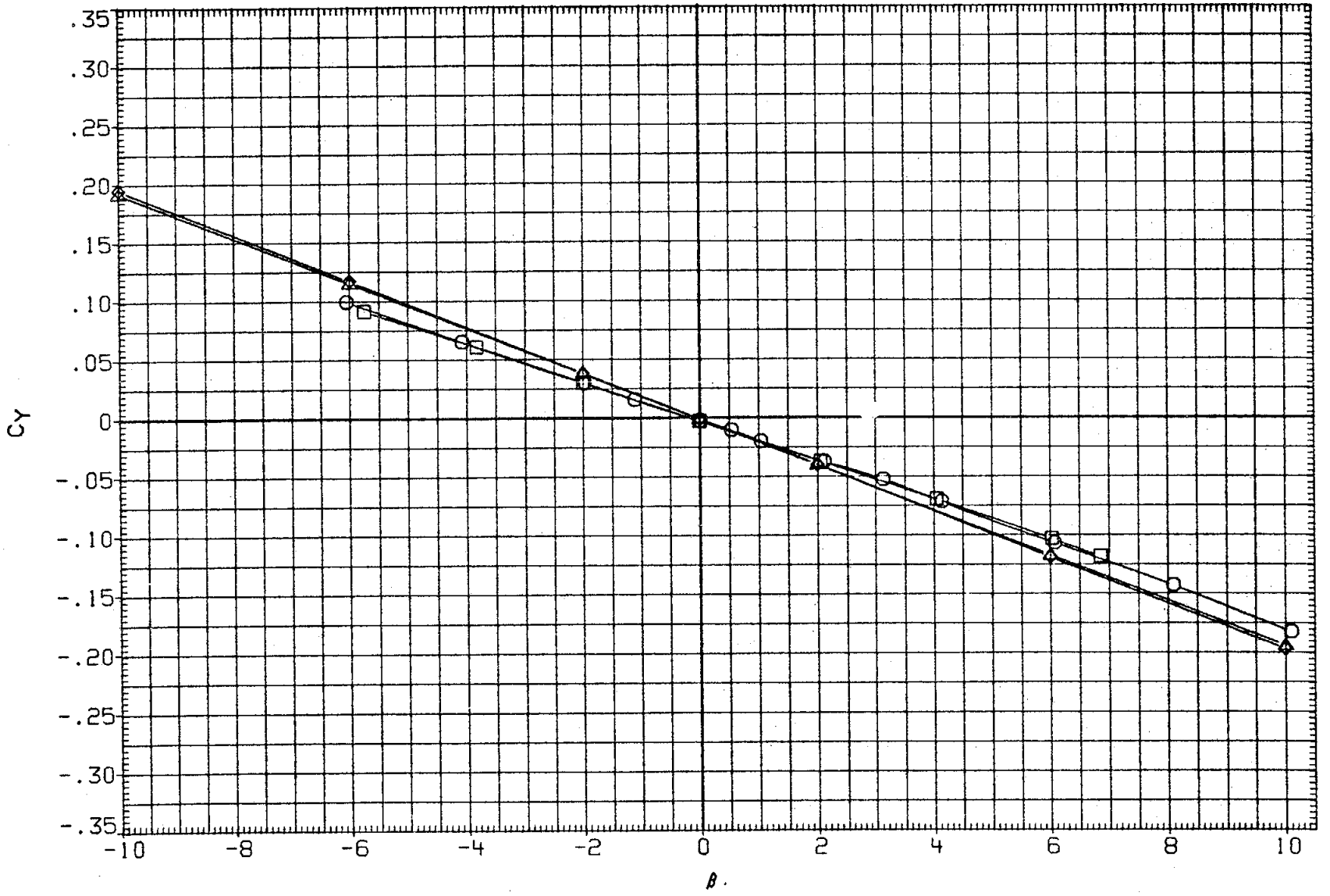


FIG. 6 BASIC LATERAL-DIRECTIONAL DATA OV-102 AS A FUNCTION OF ANGLE OF ATTACK

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q007	○	ARC 218-1-12 0A101 (0V102)
R2Q008	□	ARC 218-1-12 0A101 (0V102)
3WL005	◇	JUNE 76 ADB
3WL006	△	JUNE 76 ADB

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

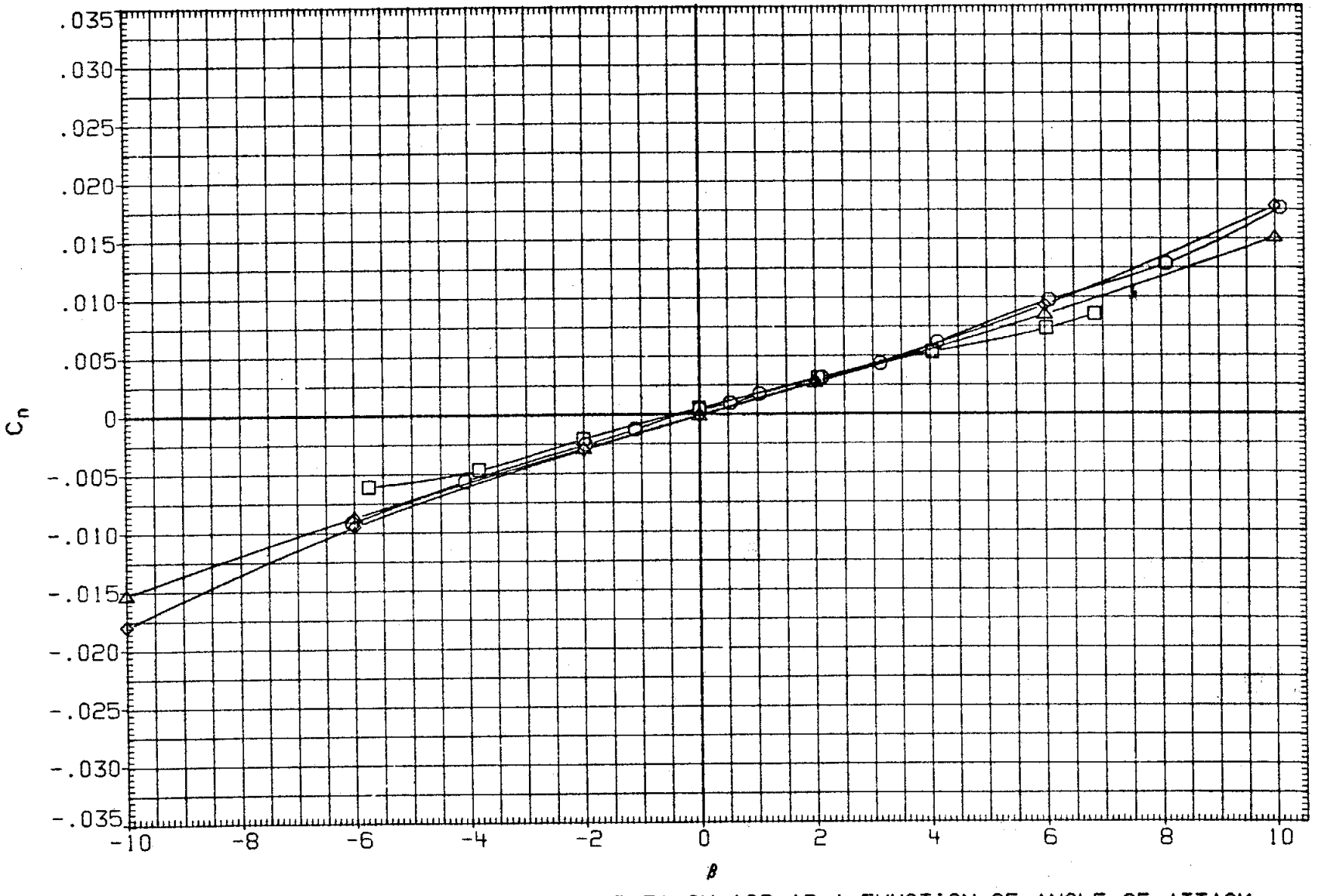


FIG. 6 BASIC LATERAL-DIRECTIONAL DATA OV-102 AS A FUNCTION OF ANGLE OF ATTACK

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q007	○	ARC 218-1-12 0A101 (0V102)
R2Q008	□	ARC 218-1-12 0A101 (0V102)
3WL005	◇	JUNE 76 ADB
3WL006	△	JUNE 76 ADB

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

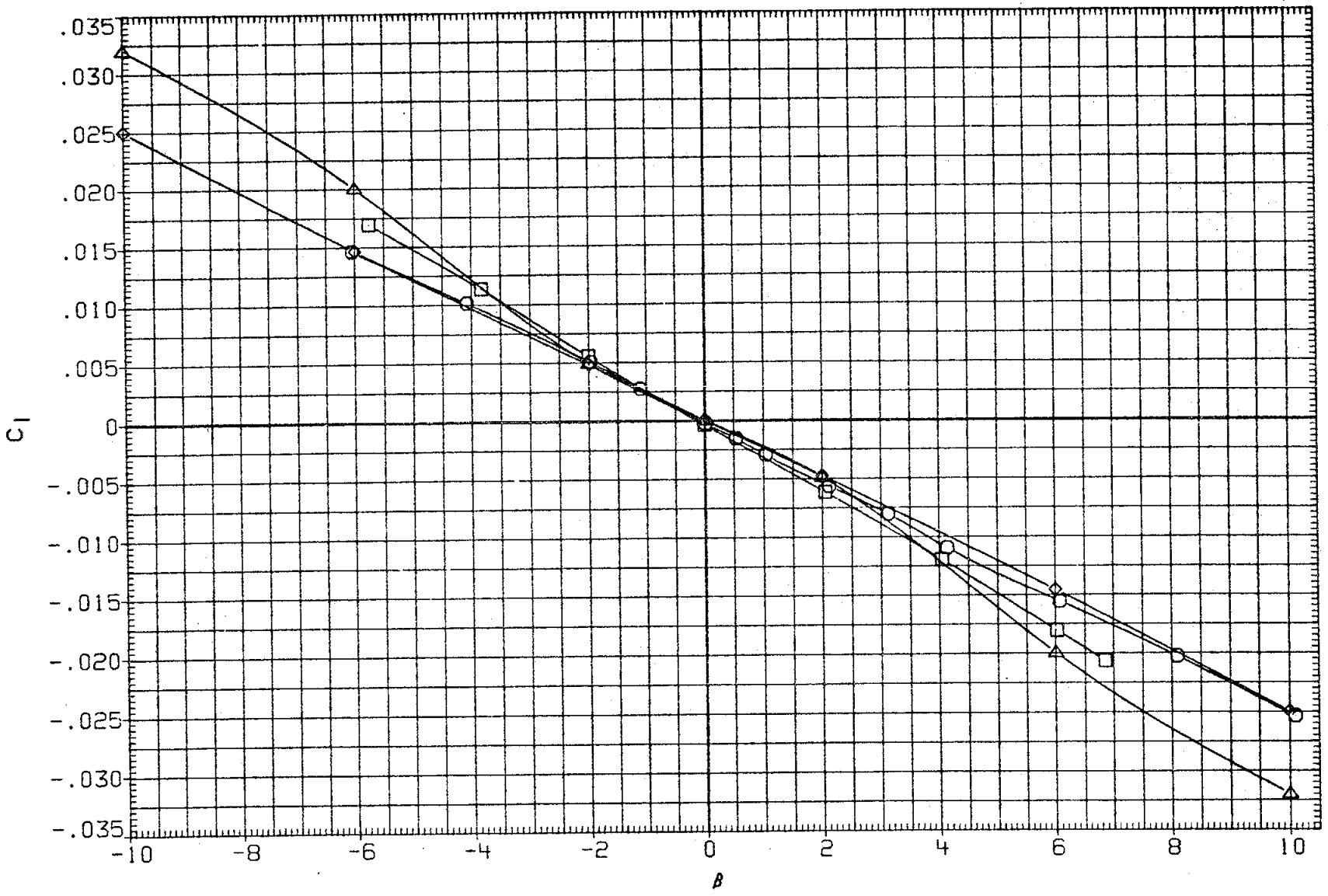


FIG. 6 BASIC LATERAL-DIRECTIONAL DATA OV-102 AS A FUNCTION OF ANGLE OF ATTACK

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BOFLAP	SPDBRK	RN/L	RUDDER
R2Q014	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q015	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	8.000	.000

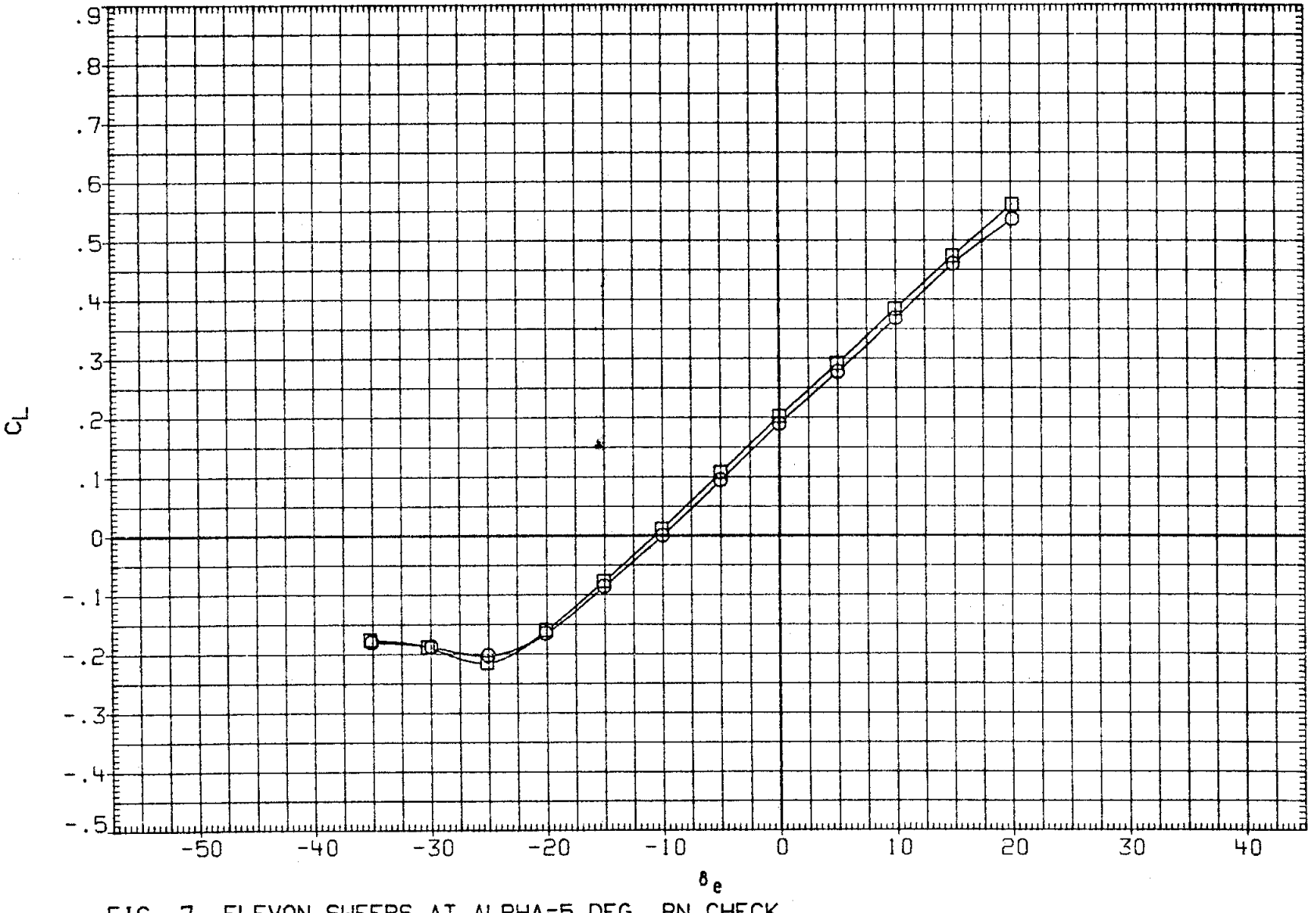


FIG. 7 ELEVON SWEEPS AT ALPHA=5 DEG. RN CHECK

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q014	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	6.000	.000
R2Q015	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	8.000	.000

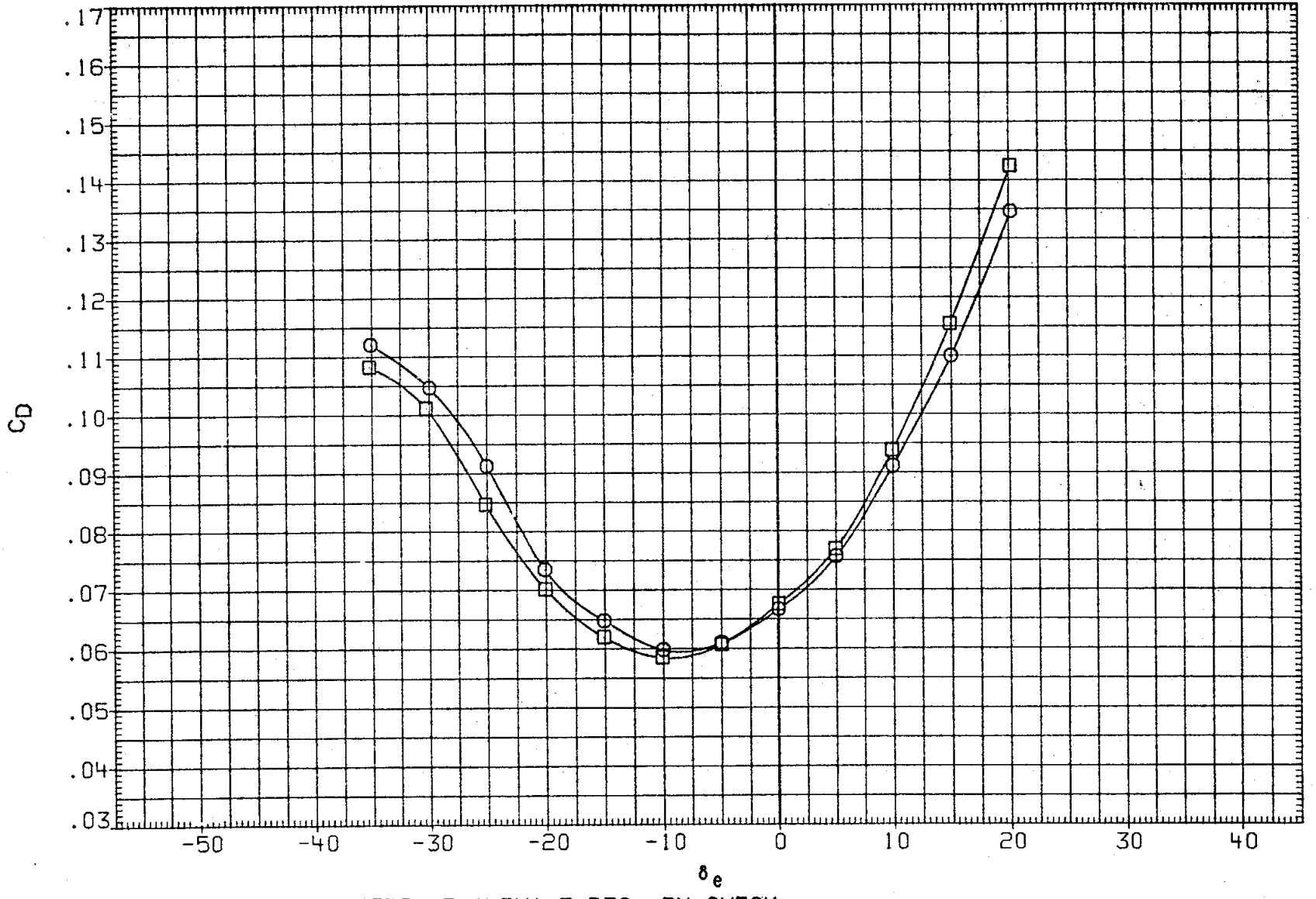


FIG. 7 ELEVON SWEEPS AT ALPHA=5 DEG. RN CHECK

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q014	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q015	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	8.000	.000

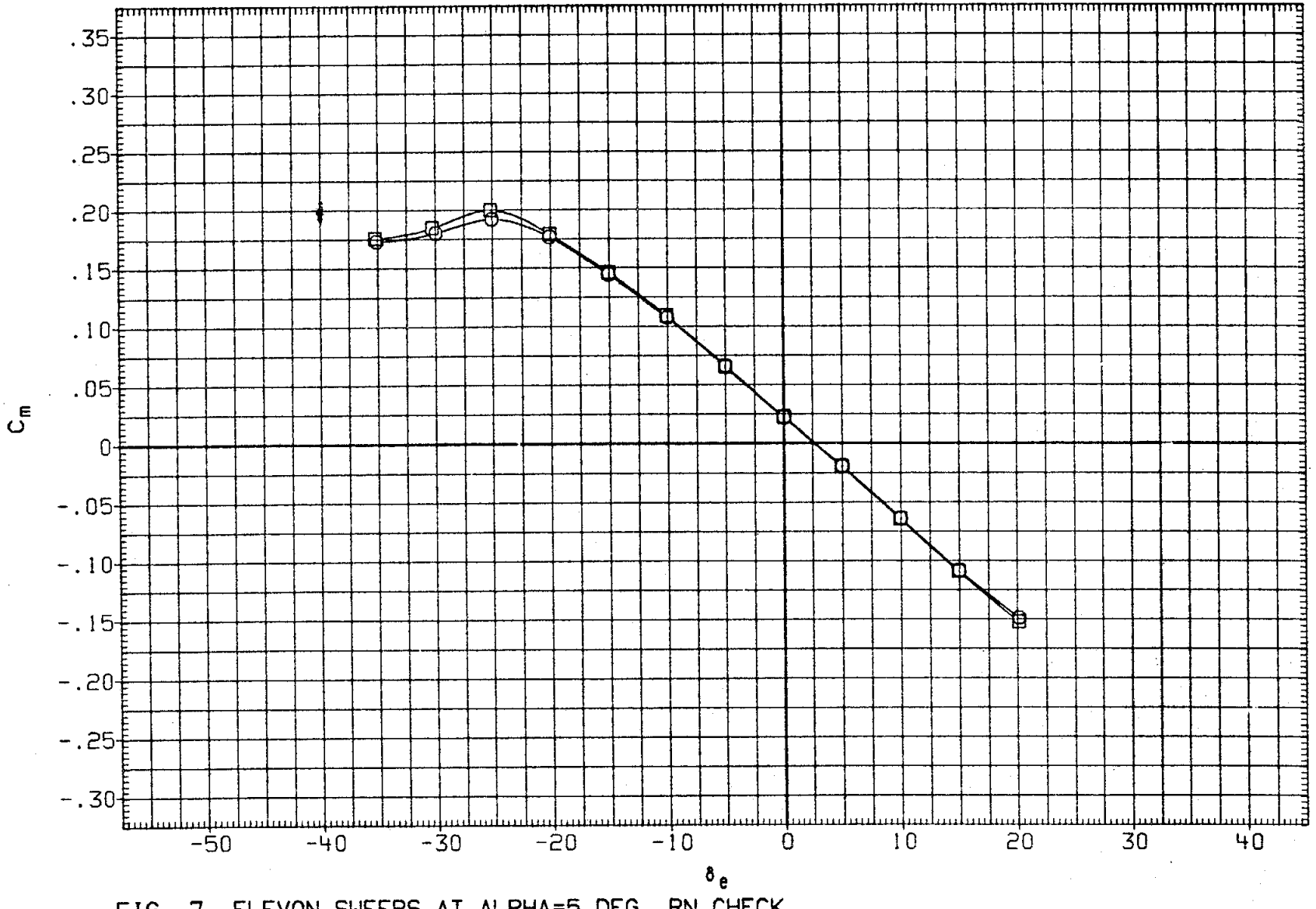


FIG. 7 ELEVON SWEEPS AT ALPHA=5 DEG. RN CHECK

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
H2Q014	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	5.000	.000
H2Q015	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	8.000	.000
2WL008	◇	JUNE 76 ADB	5.000	.000	.000	.000	25.000		.000

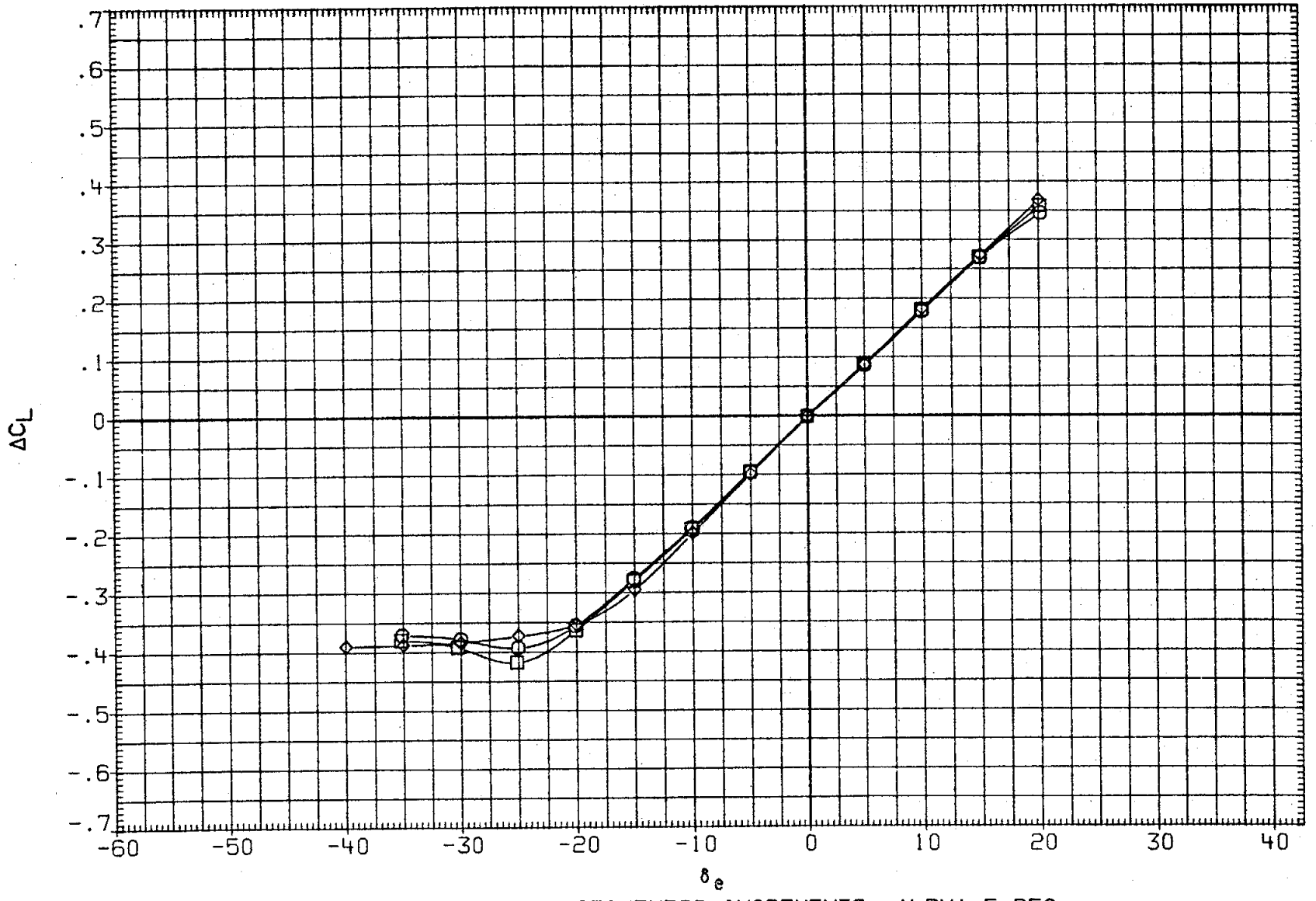


FIG. 8 ELEVON LONGITUDINAL EFFECTIVENESS INCREMENTS, ALPHA=5 DEG. COMPARED TO THE JUNE 1976 ADB

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
H2Q014	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	5.000	.000
H2Q015	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	8.000	.000
2WL008	◇	JUNE 76 ADB	5.000	.000	.000	.000	25.000		.000

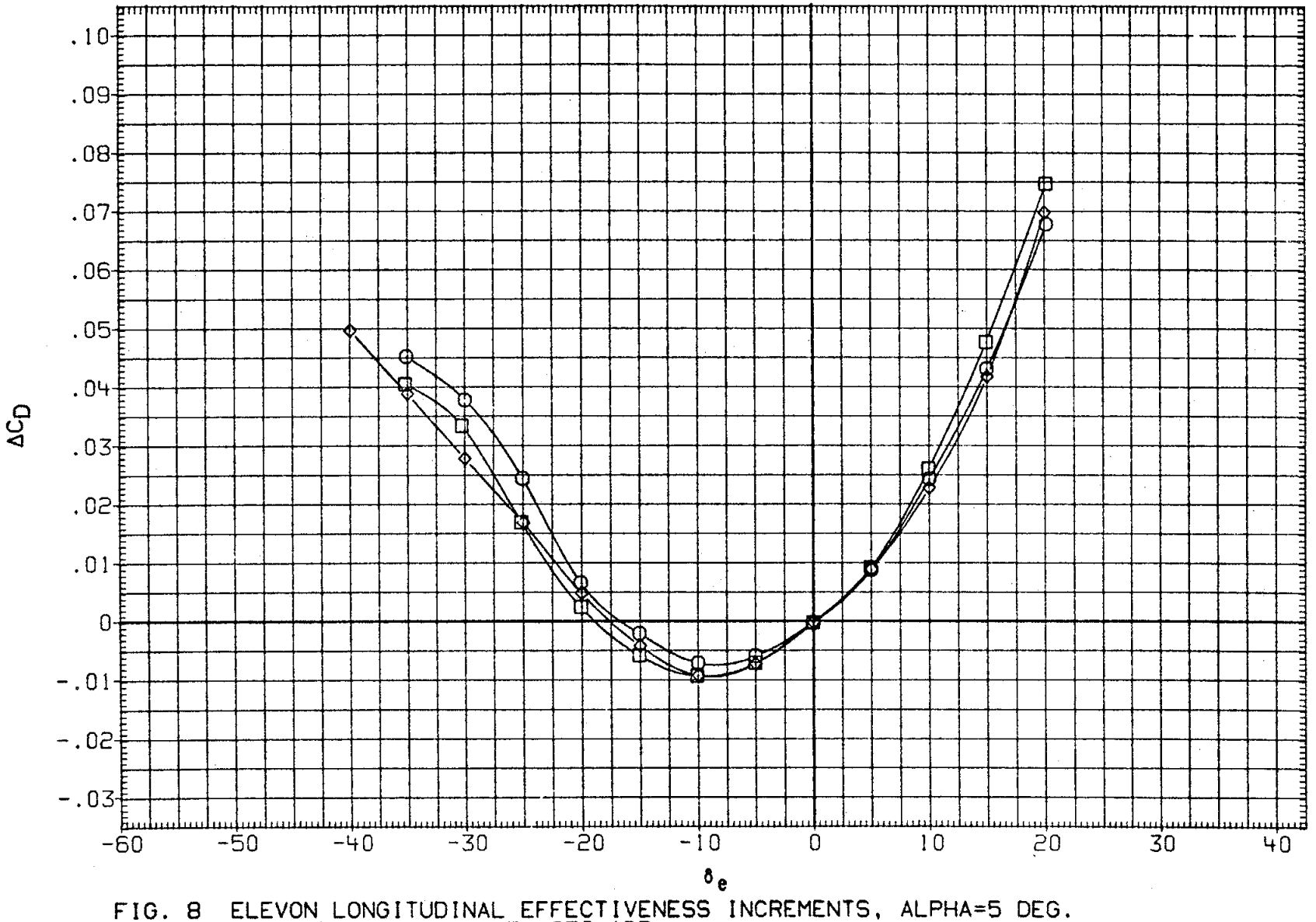


FIG. 8 ELEVON LONGITUDINAL EFFECTIVENESS INCREMENTS, ALPHA=5 DEG. COMPARED TO THE JUNE 1976 ADB

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
H2Q014	○	ARC 218-1-12 0A101 (0V102)
H2Q015	□	ARC 218-1-12 0A101 (0V102)
2WL008	◇	JUNE 76 ADB

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

FIG. 8 ELEVON LONGITUDINAL EFFECTIVENESS INCREMENTS, ALPHA=5 DEG. COMPARED TO THE JUNE 1976 ADB

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
H2Q017	○	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	25.000	8.000	.000
2WL010	□	JUNE 76 ADB	15.000	.000	.000	.000	25.000		.000

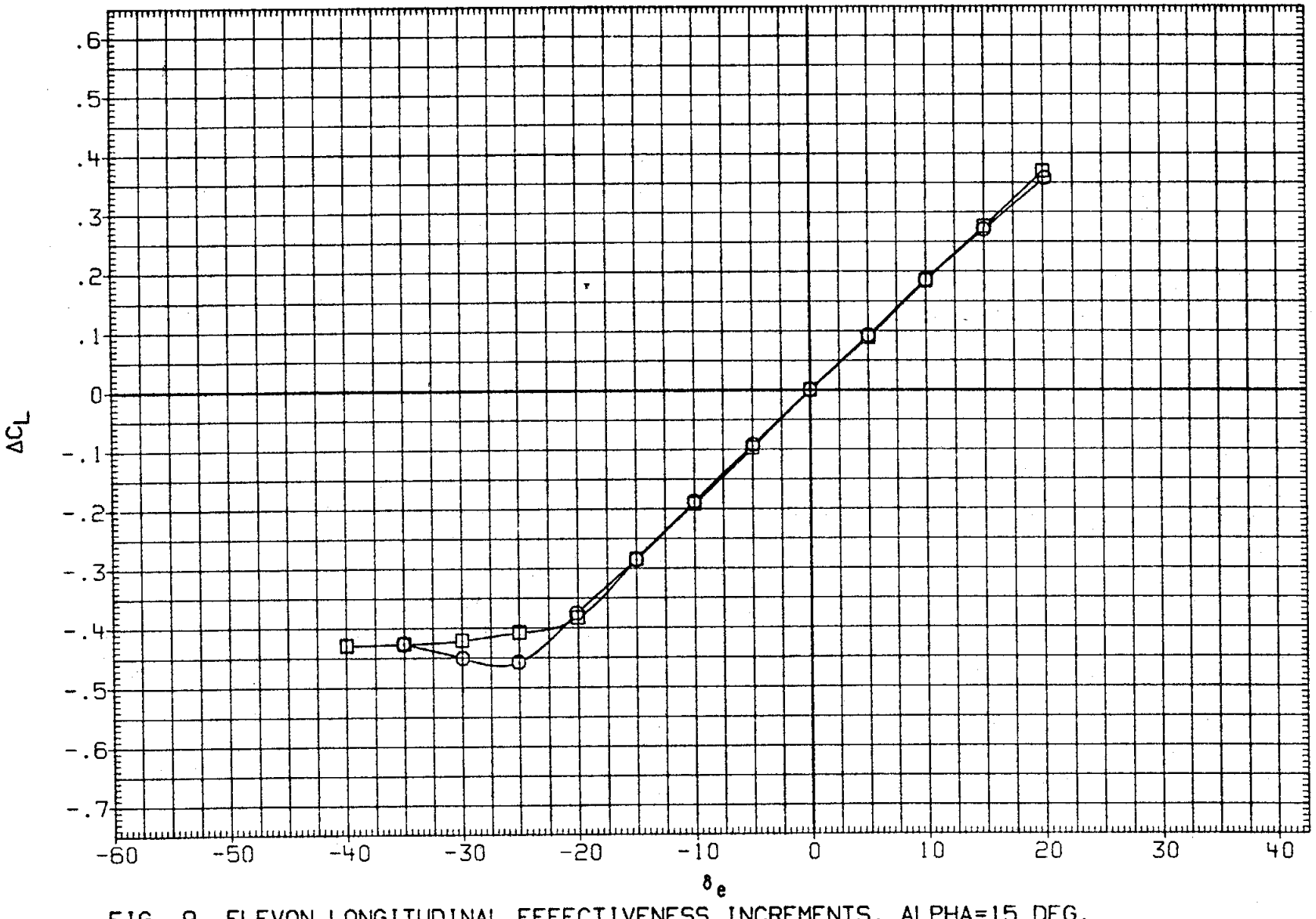


FIG. 9 ELEVON LONGITUDINAL EFFECTIVENESS INCREMENTS, ALPHA=15 DEG. COMPARED TO THE JUNE 1976 ADB

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
H2Q017	○	ARC 218-1-12 OA101 (OV102)	15.000	.000	.000	.000	25.000	8.000	.000
2WL010	□	JUNE 76 ADB	15.000	.000	.000	.000	25.000		.000

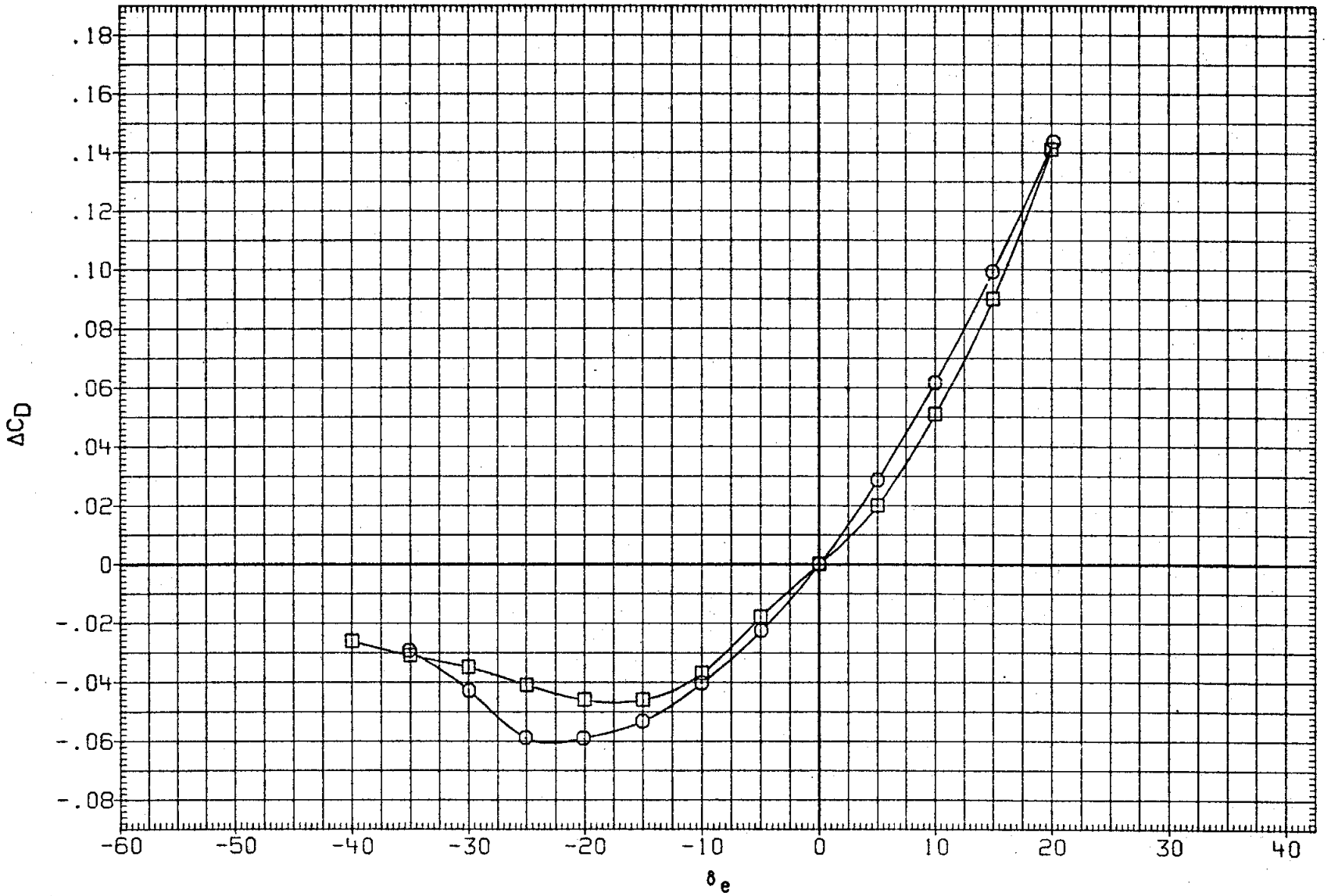


FIG. 9 ELEVON LONGITUDINAL EFFECTIVENESS INCREMENTS, ALPHA=15 DEG. COMPARED TO THE JUNE 1976 ADB

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
H2Q017	○	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	25.000	8.000	.000
2WL010	□	JUNE 76 ADB	15.000	.000	.000	.000	25.000		.000

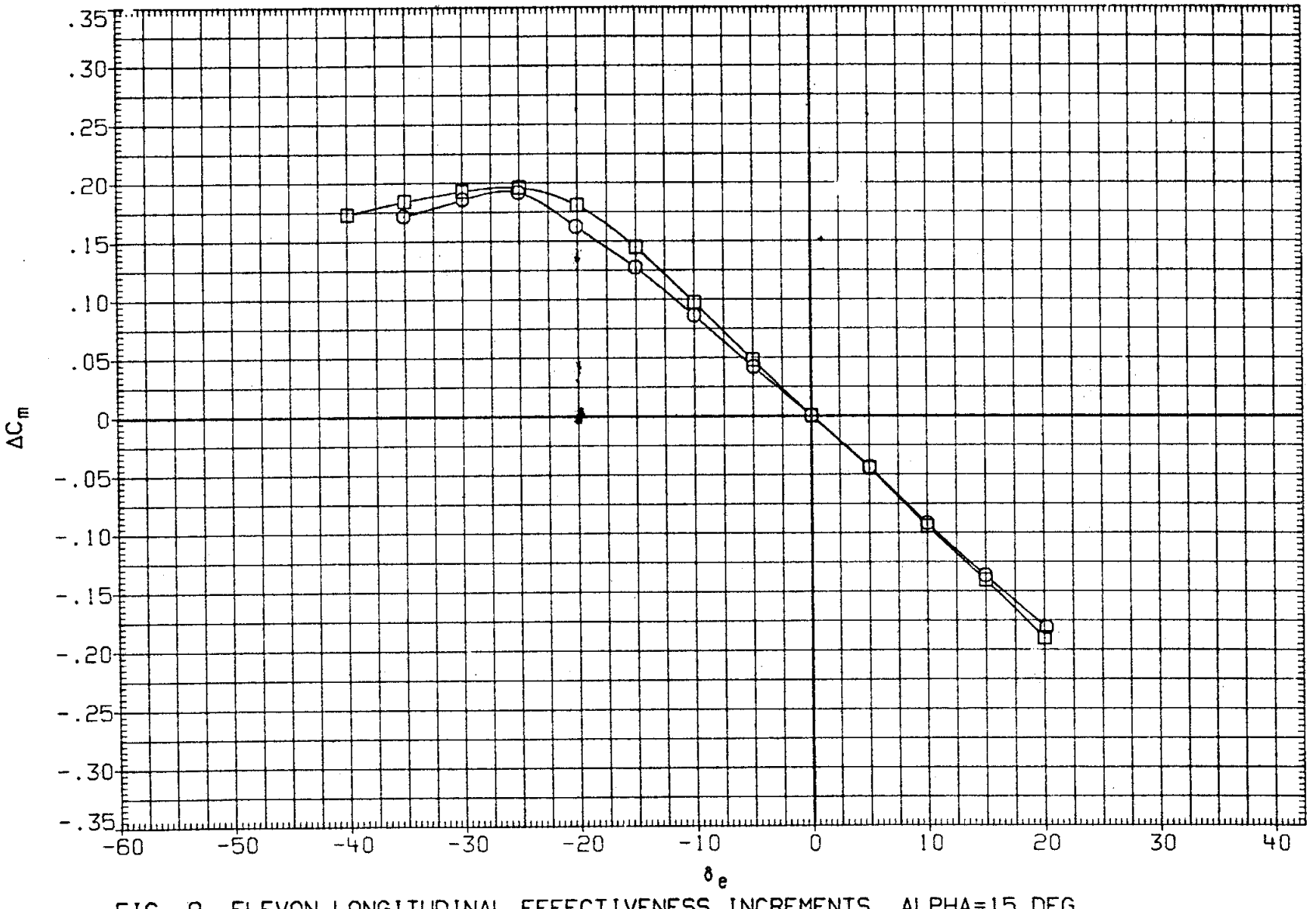


FIG. 9 ELEVON LONGITUDINAL EFFECTIVENESS INCREMENTS, ALPHA=15 DEG. COMPARED TO THE JUNE 1976 ADB

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q012	○	ARC 218-1-12 OA101 (OV102)
R2Q013	□	ARC 218-1-12 OA101 (OV102)
R2Q015	◇	ARC 218-1-12 OA101 (OV102)
R2Q016	△	ARC 218-1-12 OA101 (OV102)
R2Q017	◺	ARC 218-1-12 OA101 (OV102)

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

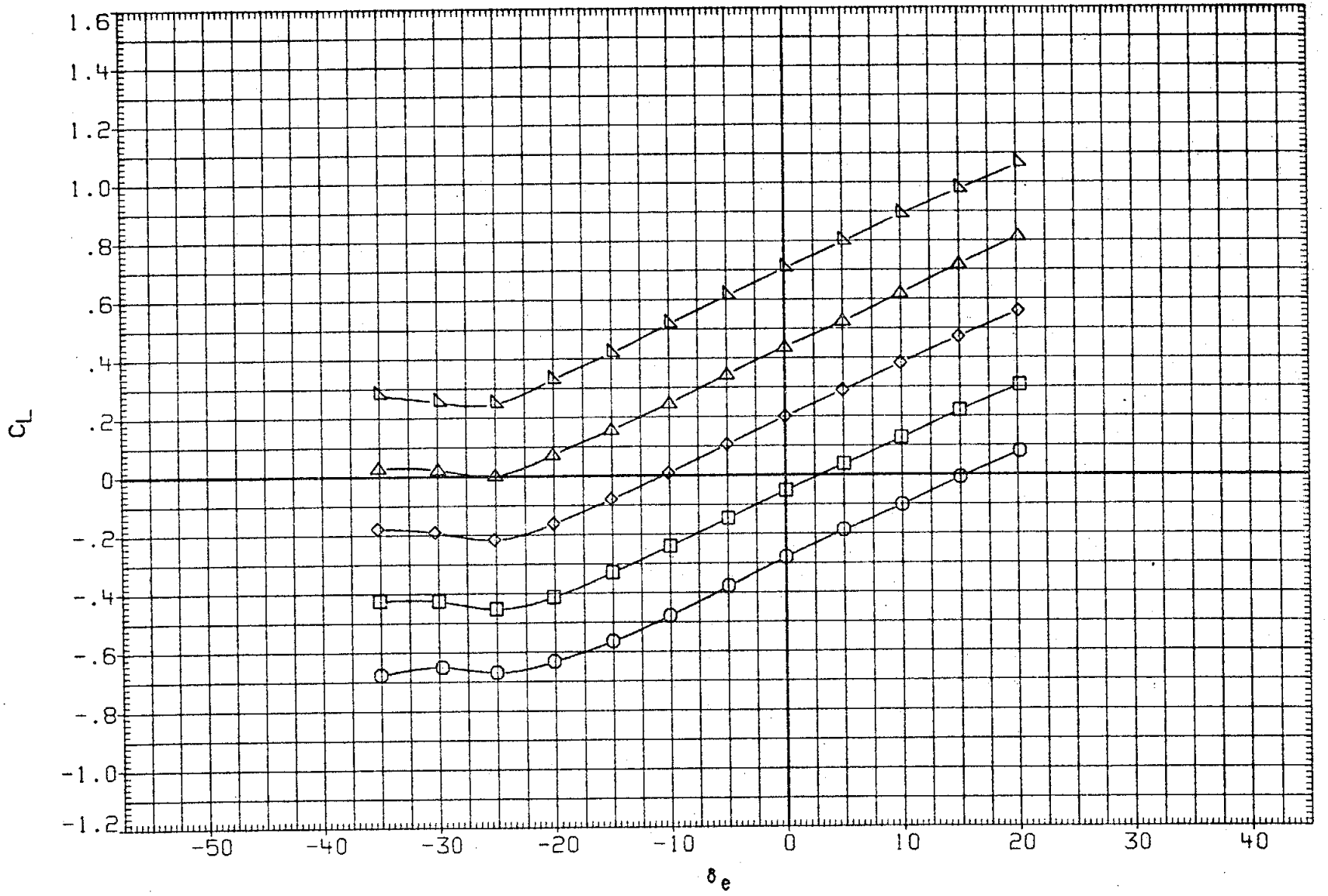


FIG. 10 ELEVON SWEEPS AT FIXED ANGLES OF ATTACK

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q012	○	ARC 218-1-12 0A101 (0V102)
R2Q013	□	ARC 218-1-12 0A101 (0V102)
R2Q015	◇	ARC 218-1-12 0A101 (0V102)
R2Q016	△	ARC 218-1-12 0A101 (0V102)
R2Q017	◁	ARC 218-1-12 0A101 (0V102)

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

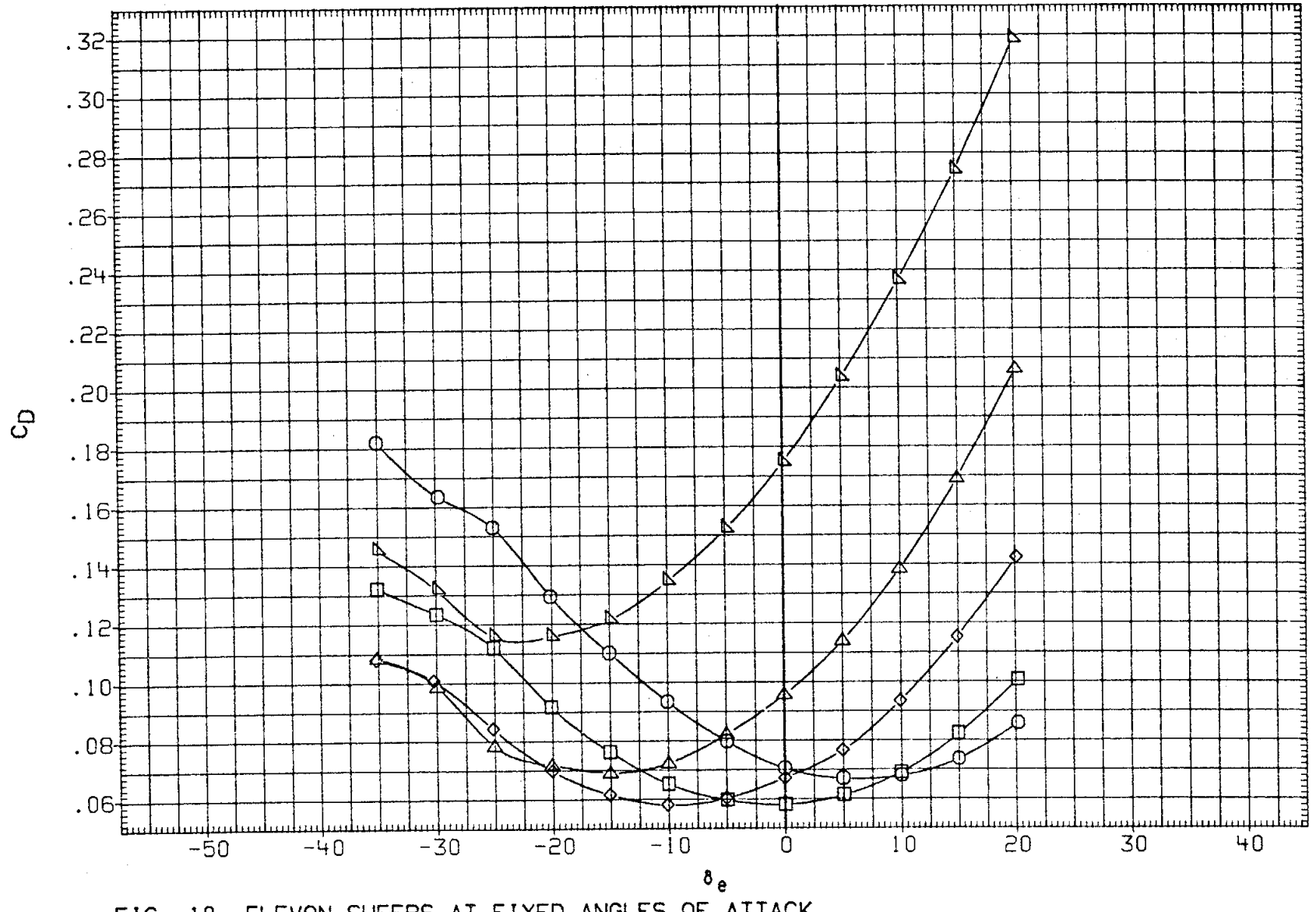


FIG. 10 ELEVON SWEEPS AT FIXED ANGLES OF ATTACK

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q012	○	ARC 218-1-12 OA101 (OV102)
R2Q013	□	ARC 218-1-12 OA101 (OV102)
R2Q015	◇	ARC 218-1-12 OA101 (OV102)
R2Q016	△	ARC 218-1-12 OA101 (OV102)
R2Q017	◺	ARC 218-1-12 OA101 (OV102)

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

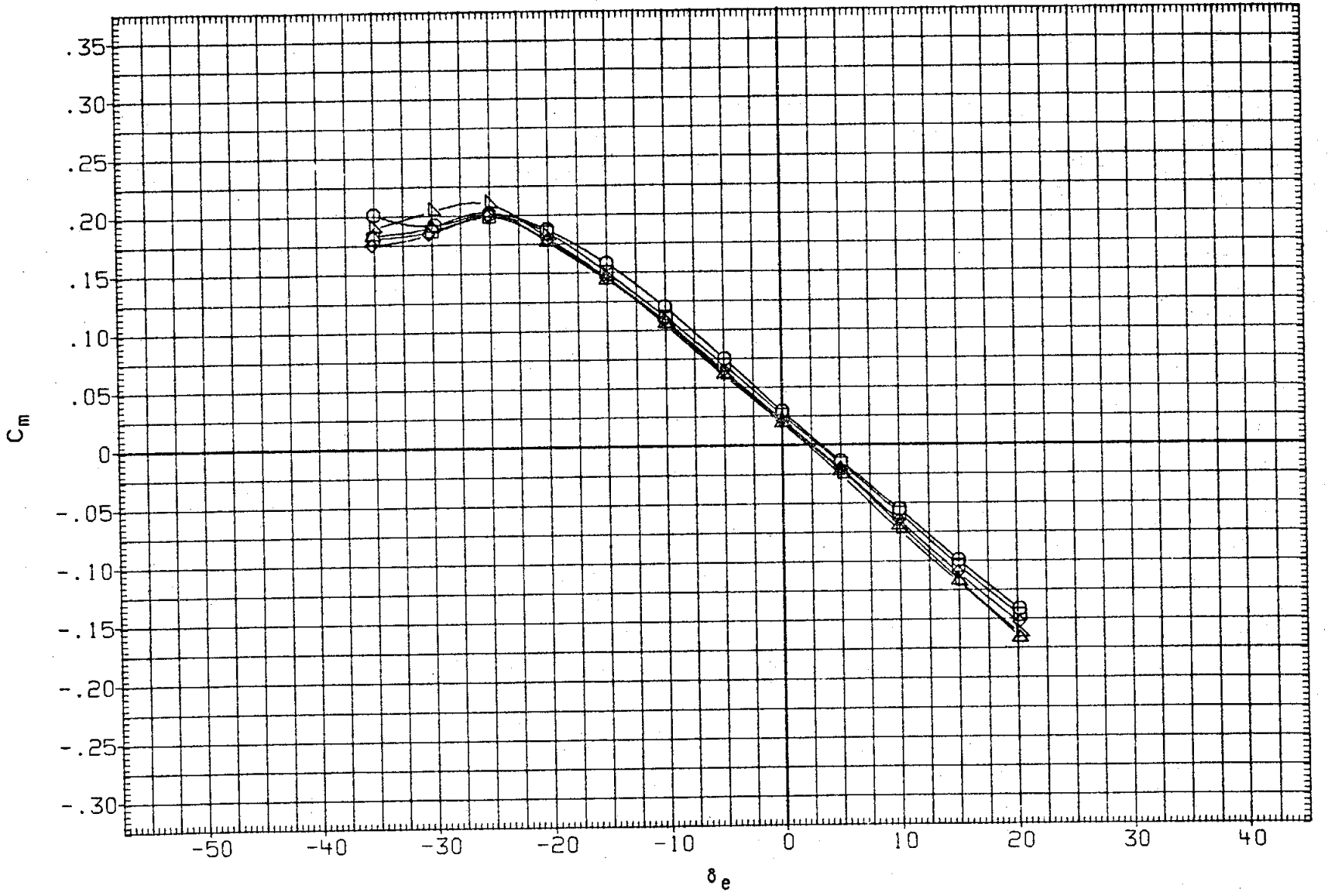


FIG. 10 ELEVON SWEEPS AT FIXED ANGLES OF ATTACK

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
H2Q013	○	ARC 218-1-12 OA101 (OV102)
H2Q015	□	ARC 218-1-12 OA101 (OV102)
H2Q016	◇	ARC 218-1-12 OA101 (OV102)
2WL007	△	JUNE 76 ADB
2WL008	◁	JUNE 76 ADB
2WL009	▱	JUNE 76 ADB

ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
.000	.000	.000	.000	25.000	8.000	.000
5.000	.000	.000	.000	25.000	8.000	.000
10.000	.000	.000	.000	25.000	8.000	.000
.000	.000	.000	.000	25.000		.000
5.000	.000	.000	.000	25.000		.000
10.000	.000	.000	.000	25.000		.000

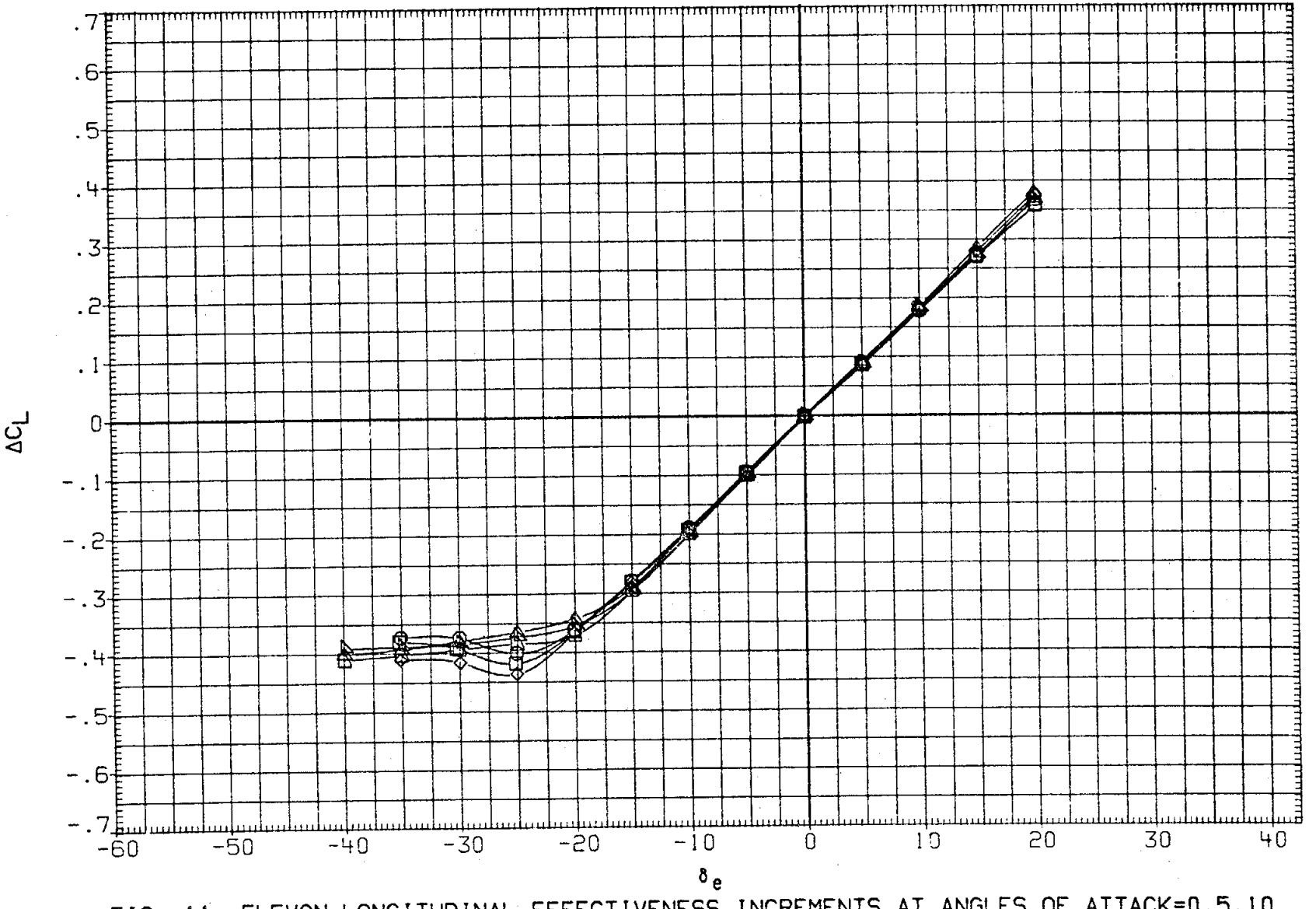


FIG. 11 ELEVON LONGITUDINAL EFFECTIVENESS INCREMENTS AT ANGLES OF ATTACK=0,5,10 COMPARED TO THE JUNE 1976 ADB

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
H2Q013	○	ARC 218-1-12 0A101 (OV102)	.000	.000	.000	.000	25.000	8.000	.000
H2Q015	□	ARC 218-1-12 0A101 (OV102)	5.000	.000	.000	.000	25.000	8.000	.000
H2Q016	◇	ARC 218-1-12 0A101 (OV102)	10.000	.000	.000	.000	25.000	8.000	.000
2WL007	△	JUNE 76 ADB	.000	.000	.000	.000	25.000		.000
2WL008	▷	JUNE 76 ADB	5.000	.000	.000	.000	25.000		.000
2WL009	D	JUNE 76 ADB	10.000	.000	.000	.000	25.000		.000

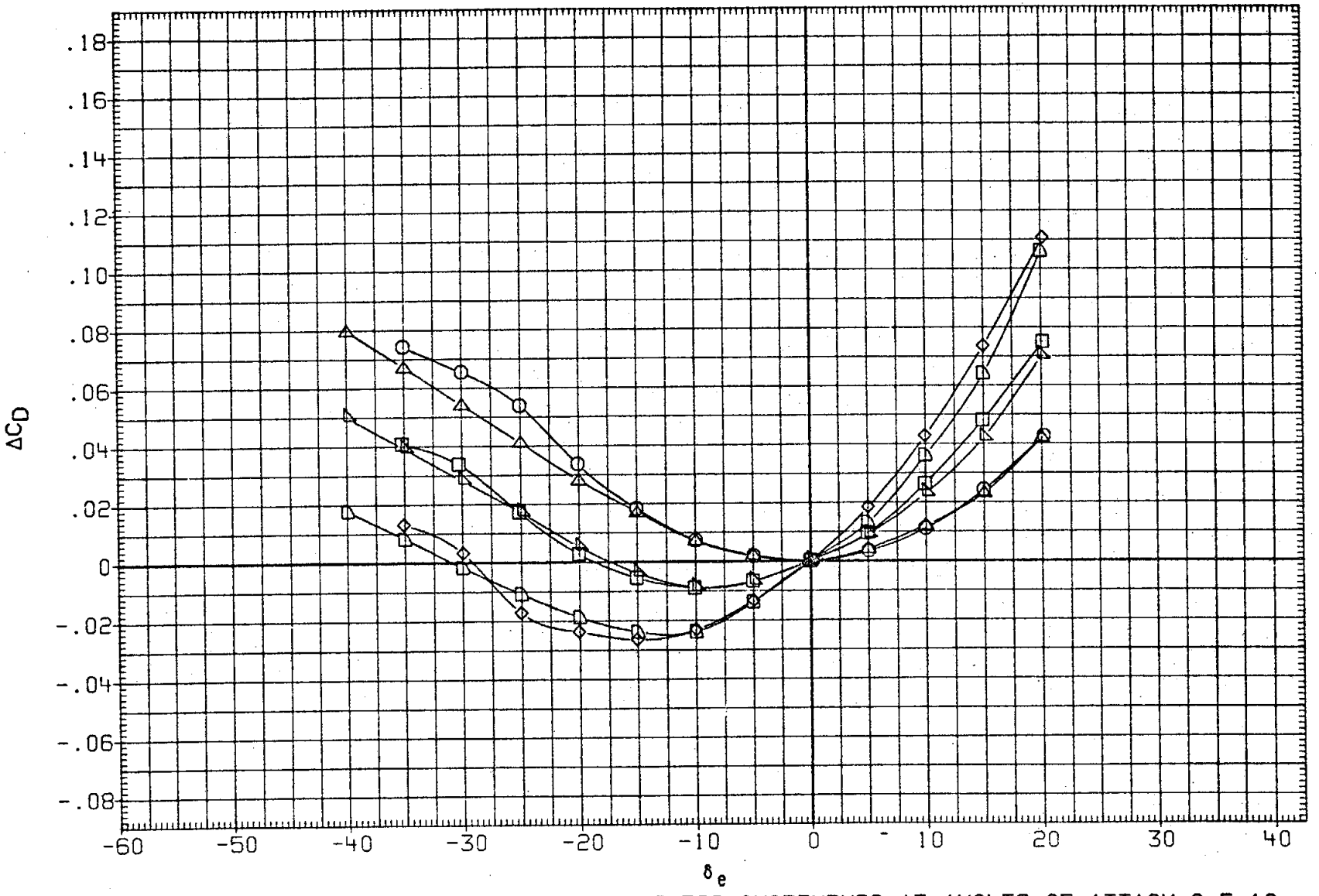


FIG. 11 ELEVON LONGITUDINAL EFFECTIVENESS INCREMENTS AT ANGLES OF ATTACK=0,5,10 COMPARED TO THE JUNE 1976 ADB

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
H2Q013	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	8.000	.000
H2Q015	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	8.000	.000
H2Q016	◇	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	25.000	8.000	.000
2WL007	△	JUNE 76 ADB	.000	.000	.000	.000	25.000		.000
2WL008	◁	JUNE 76 ADB	5.000	.000	.000	.000	25.000		.000
2WL009	▷	JUNE 76 ADB	10.000	.000	.000	.000	25.000		.000

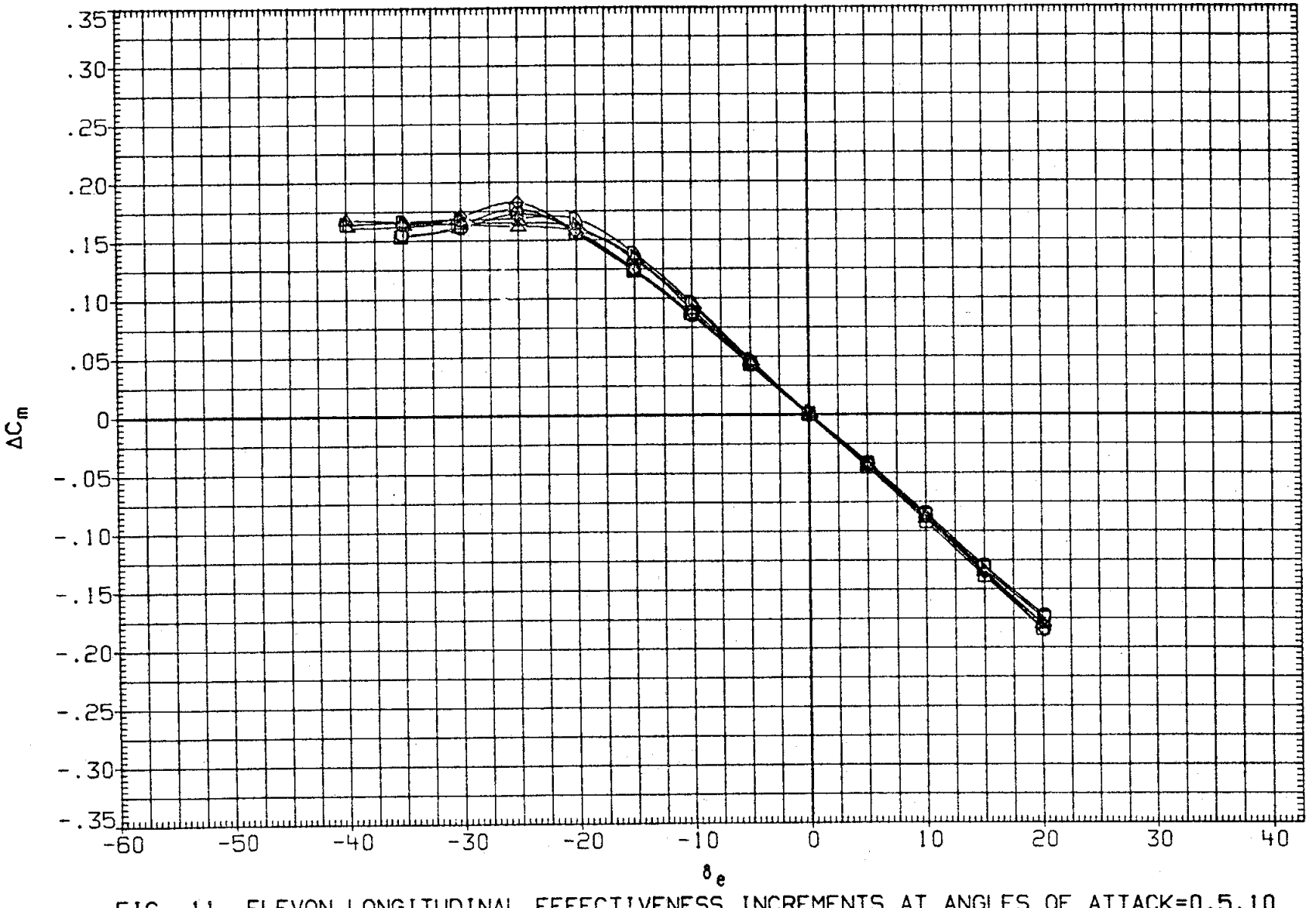


FIG. 11 ELEVON LONGITUDINAL EFFECTIVENESS INCREMENTS AT ANGLES OF ATTACK=0,5,10 COMPARED TO THE JUNE 1976 ADB

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R20031	○	ARC 218-1-12 0A101 (0V102)
R20032	□	ARC 218-1-12 0A101 (0V102)
R20033	◇	ARC 218-1-12 0A101 (0V102)
R20034	△	ARC 218-1-12 0A101 (0V102)

ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RN/L	RUDDER
.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	25.000	8.000	.000
10.000	.000	.000	.000	25.000	5.000	.000

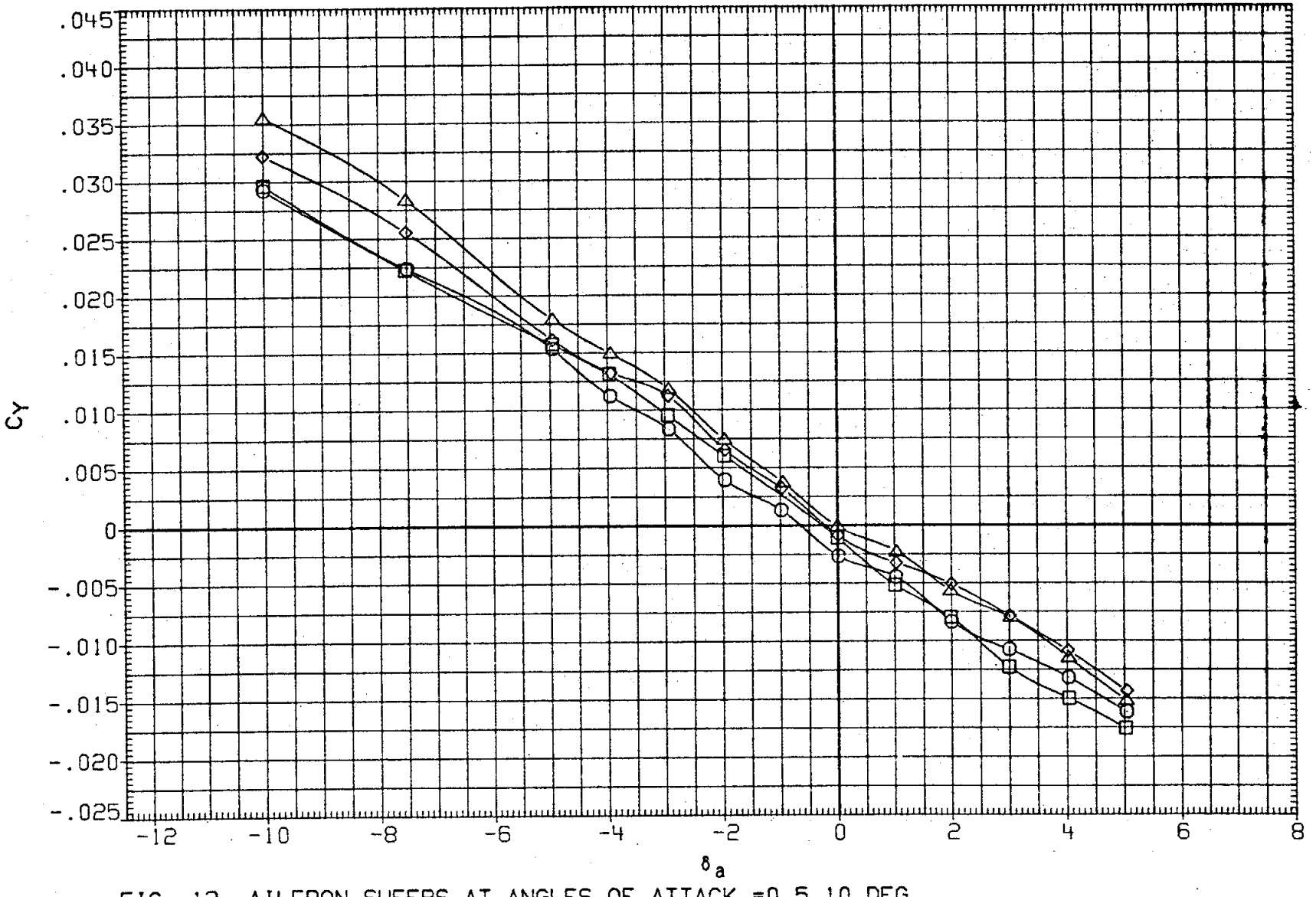


FIG. 12 AILERON SWEEPS AT ANGLES OF ATTACK =0,5,10 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q031	○	ARC 218-1-12 0A101 (0V102)
R2Q032	□	ARC 218-1-12 0A101 (0V102)
R2Q033	◇	ARC 218-1-12 0A101 (0V102)
R2Q034	△	ARC 218-1-12 0A101 (0V102)

ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RN/L	RUDDER
.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	25.000	8.000	.000
10.000	.000	.000	.000	25.000	5.000	.000

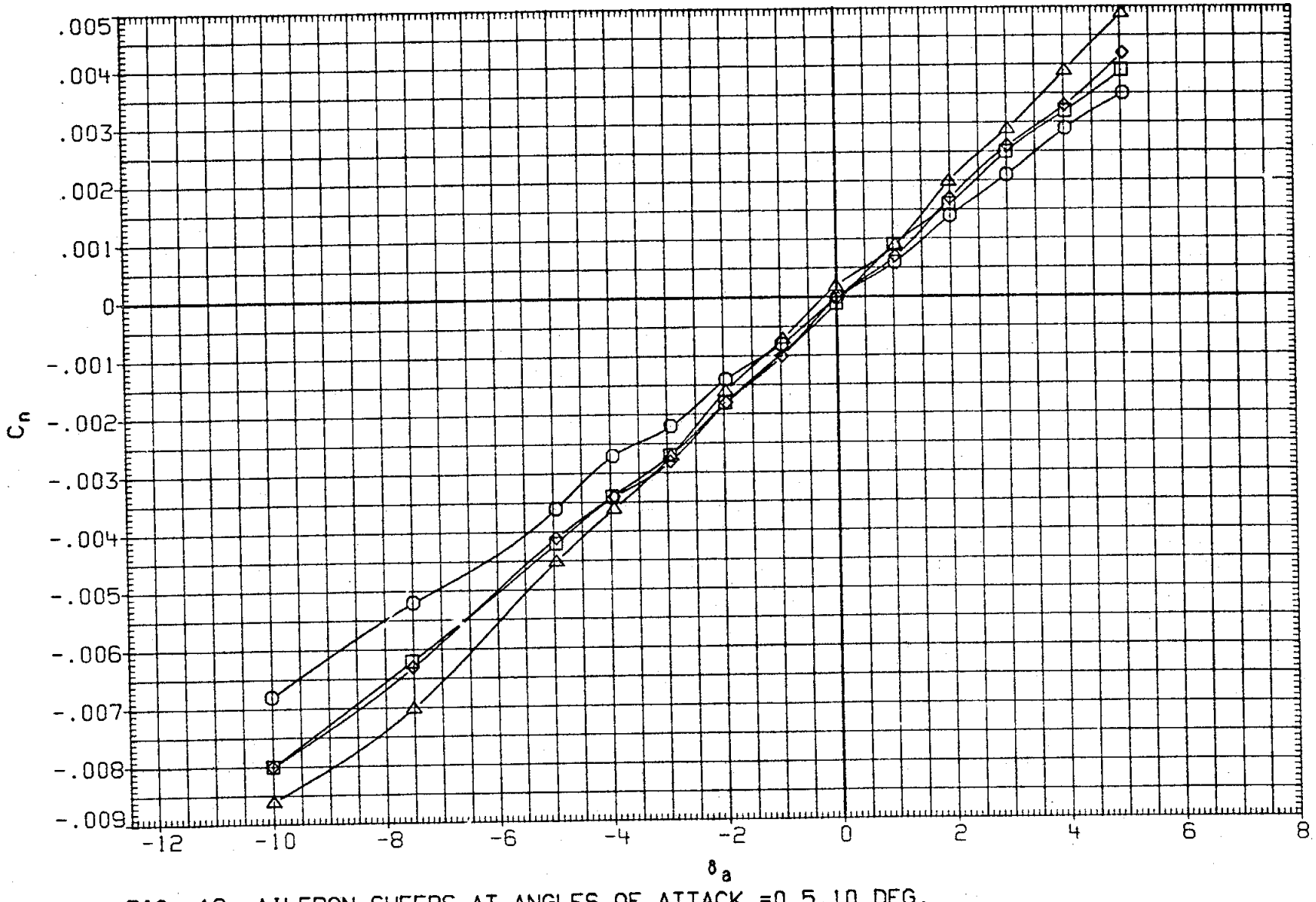


FIG. 12 AILERON SWEEPS AT ANGLES OF ATTACK =0,5,10 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q031	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	5.000	.000
R2Q032	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q033	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	8.000	.000
R2Q034	△	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	25.000	5.000	.000

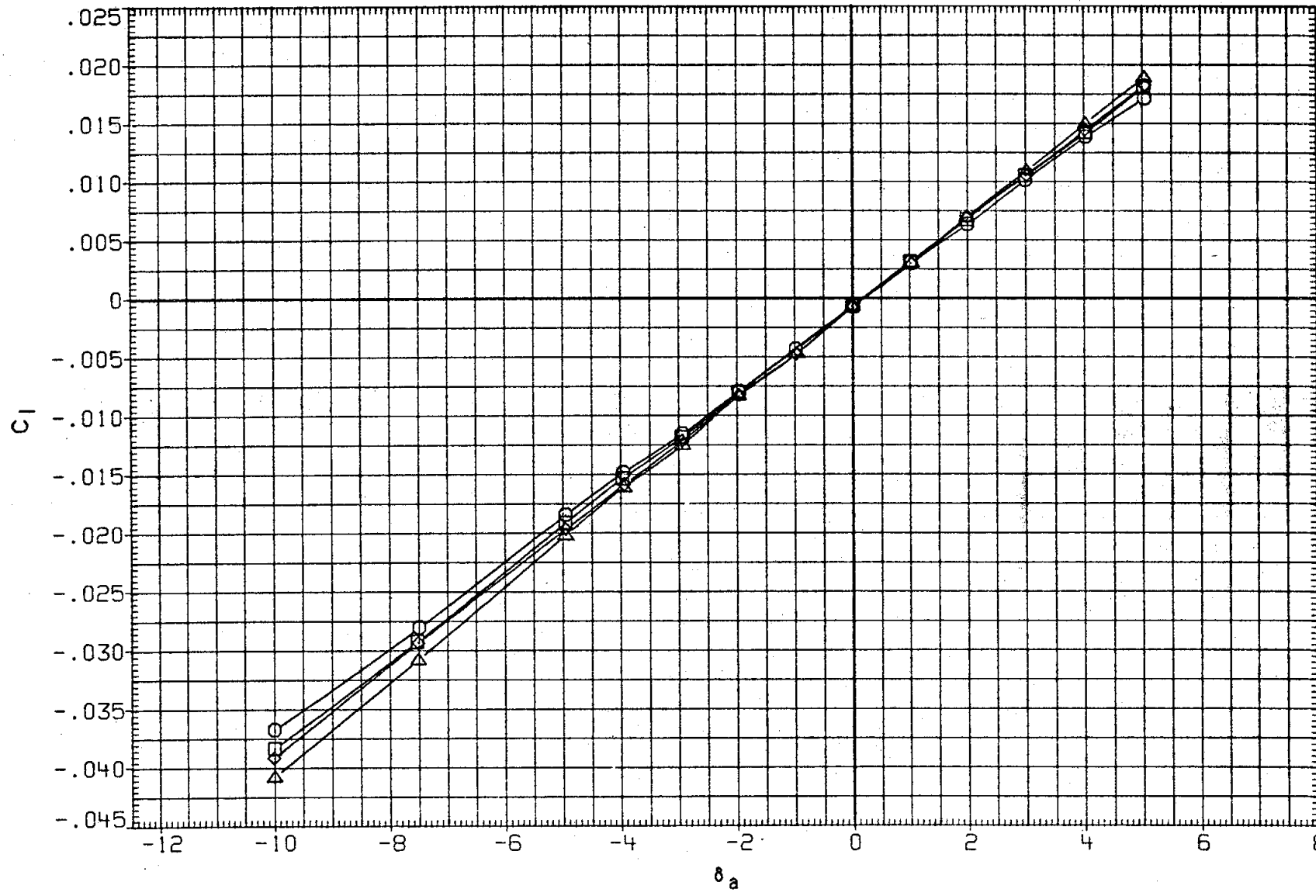


FIG. 12 AILERON SWEEPS AT ANGLES OF ATTACK =0,5,10 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
H2Q031	○	ARC 218-1-12 0A101 (0V102)
H2Q032	□	ARC 218-1-12 0A101 (0V102)
H2Q033	◇	ARC 218-1-12 0A101 (0V102)
H2Q034	△	ARC 218-1-12 0A101 (0V102)

ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RN/L	RUDDER
.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	25.000	8.000	.000
10.000	.000	.000	.000	25.000	5.000	.000

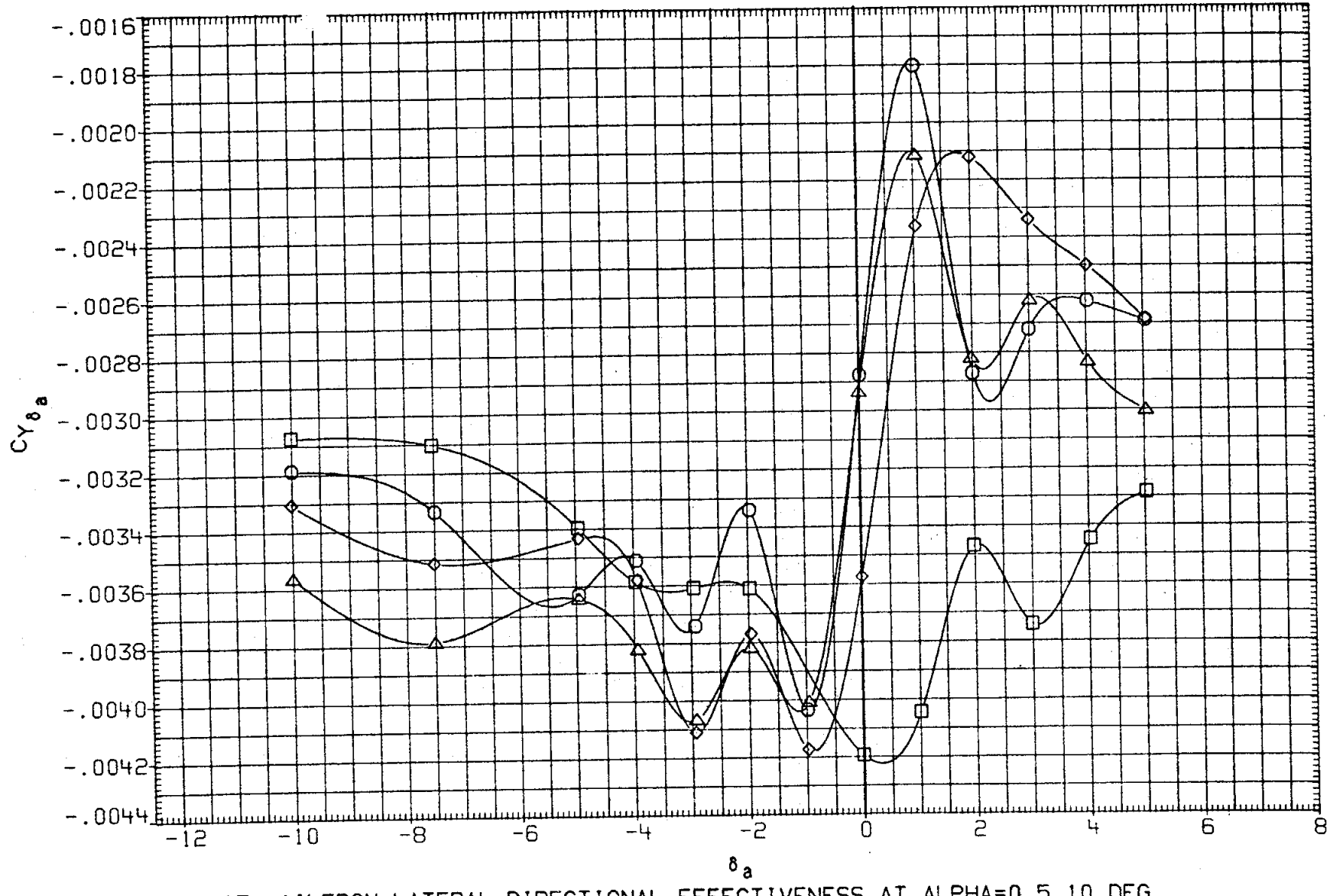


FIG. 13 AILERON LATERAL-DIRECTIONAL EFFECTIVENESS AT ALPHA=0,5,10 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RN/L	RUDDER
H2Q031	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	5.000	.000
H2Q032	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	5.000	.000
H2Q033	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	8.000	.000
H2Q034	△	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	25.000	5.000	.000

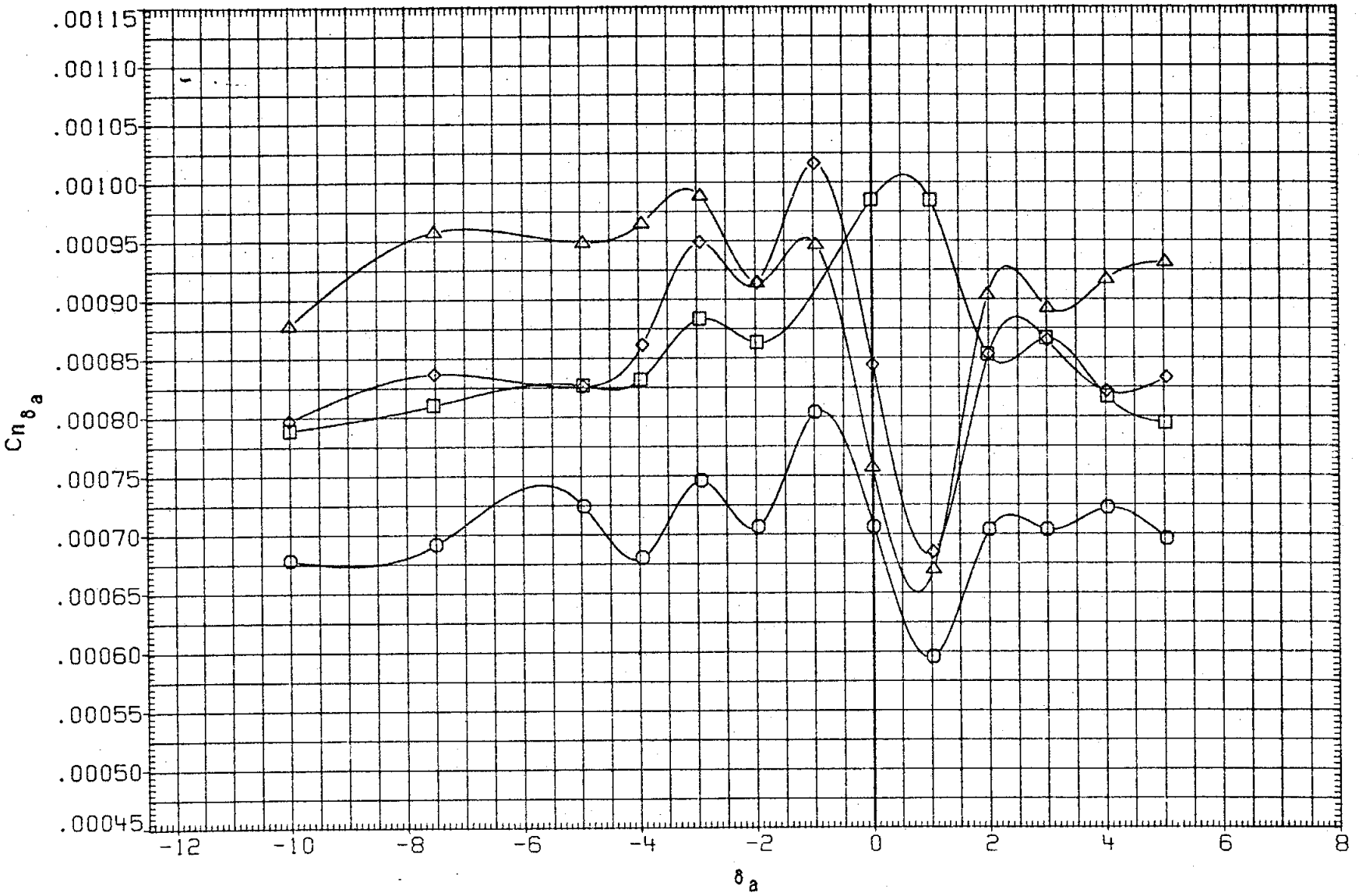


FIG. 13 AILERON LATERAL-DIRECTIONAL EFFECTIVENESS AT ALPHA=0,5,10 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
H2Q031	○	ARC 218-1-12 OA101 (OV102)
H2Q032	□	ARC 218-1-12 OA101 (OV102)
H2Q033	◇	ARC 218-1-12 OA101 (OV102)
H2Q034	△	ARC 218-1-12 OA101 (OV102)

ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RN/L	RUDDER
.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	25.000	8.000	.000
10.000	.000	.000	.000	25.000	5.000	.000

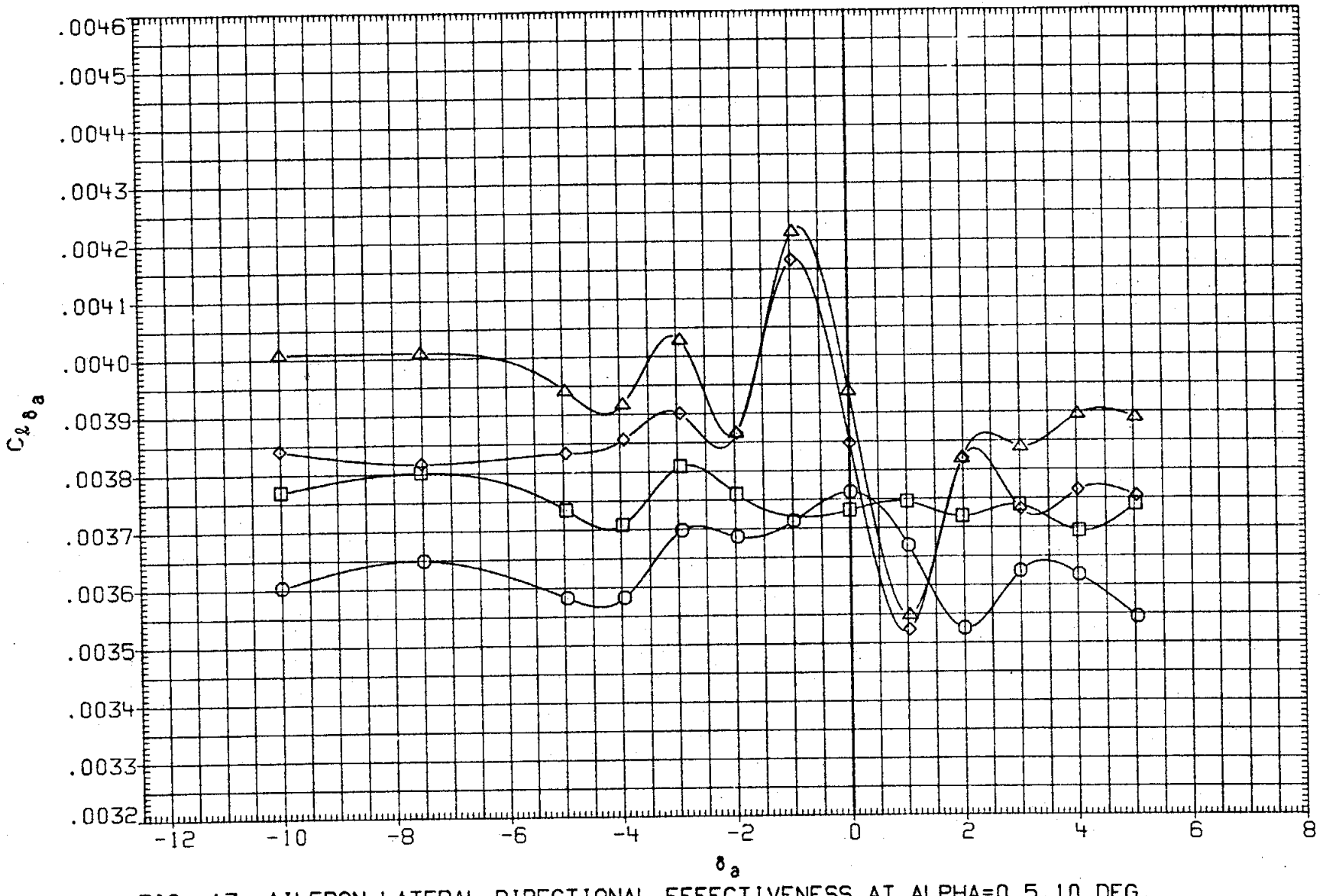


FIG. 13 AILERON LATERAL-DIRECTIONAL EFFECTIVENESS AT ALPHA=0,5,10 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q029	○	ARC 218-1-12 0A101 (0V102)
R2Q033	□	ARC 218-1-12 0A101 (0V102)
R2Q030	◇	ARC 218-1-12 0A101 (0V102)

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

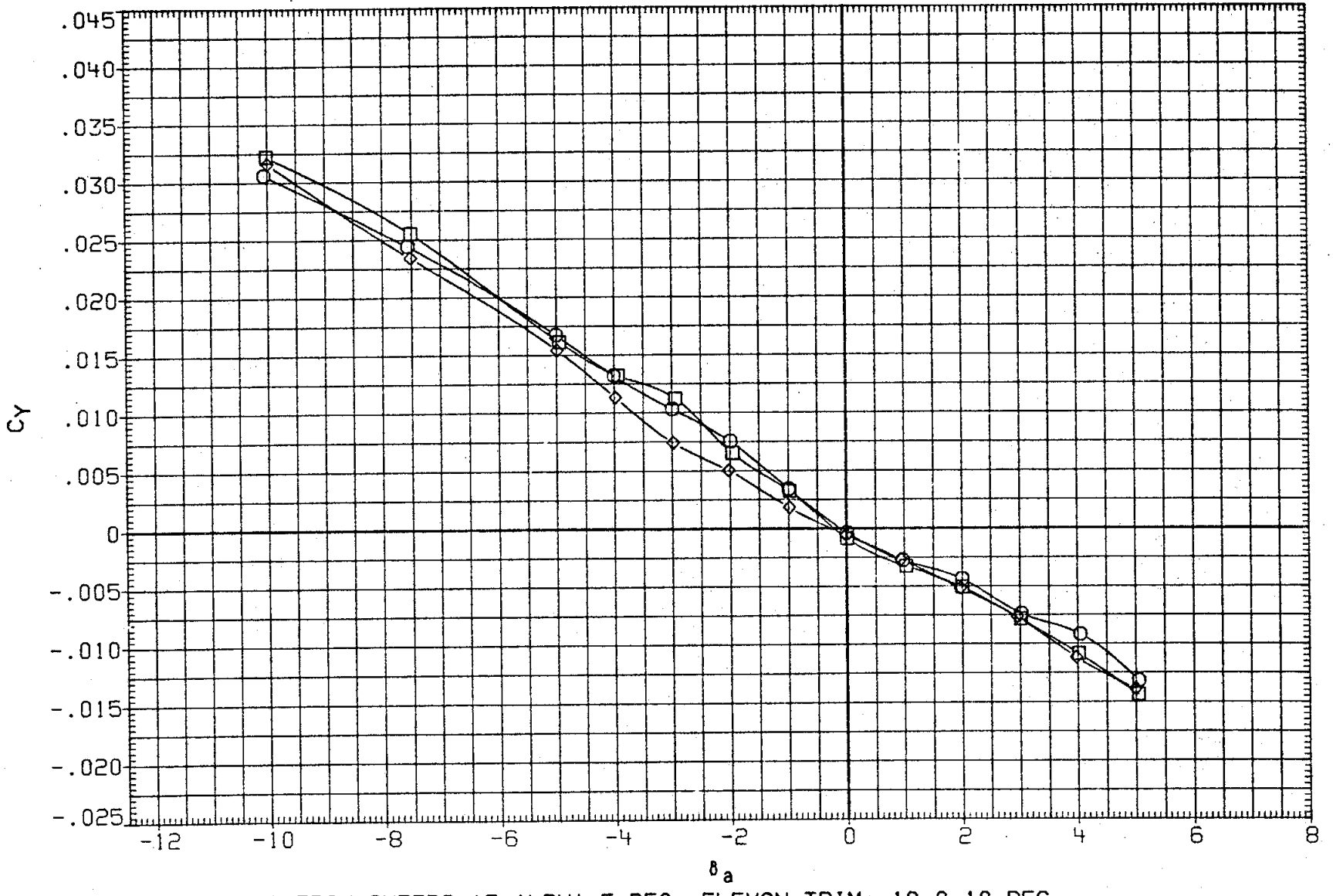


FIG. 14 AILERON SWEEPS AT ALPHA=5 DEG.,ELEVON TRIM=-10,0,10 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RN/L	RUDDER
R20029	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	-10.000	.000	25.000	8.000	.000
R20033	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	8.000	.000
R20030	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	10.000	.000	25.000	8.000	.000

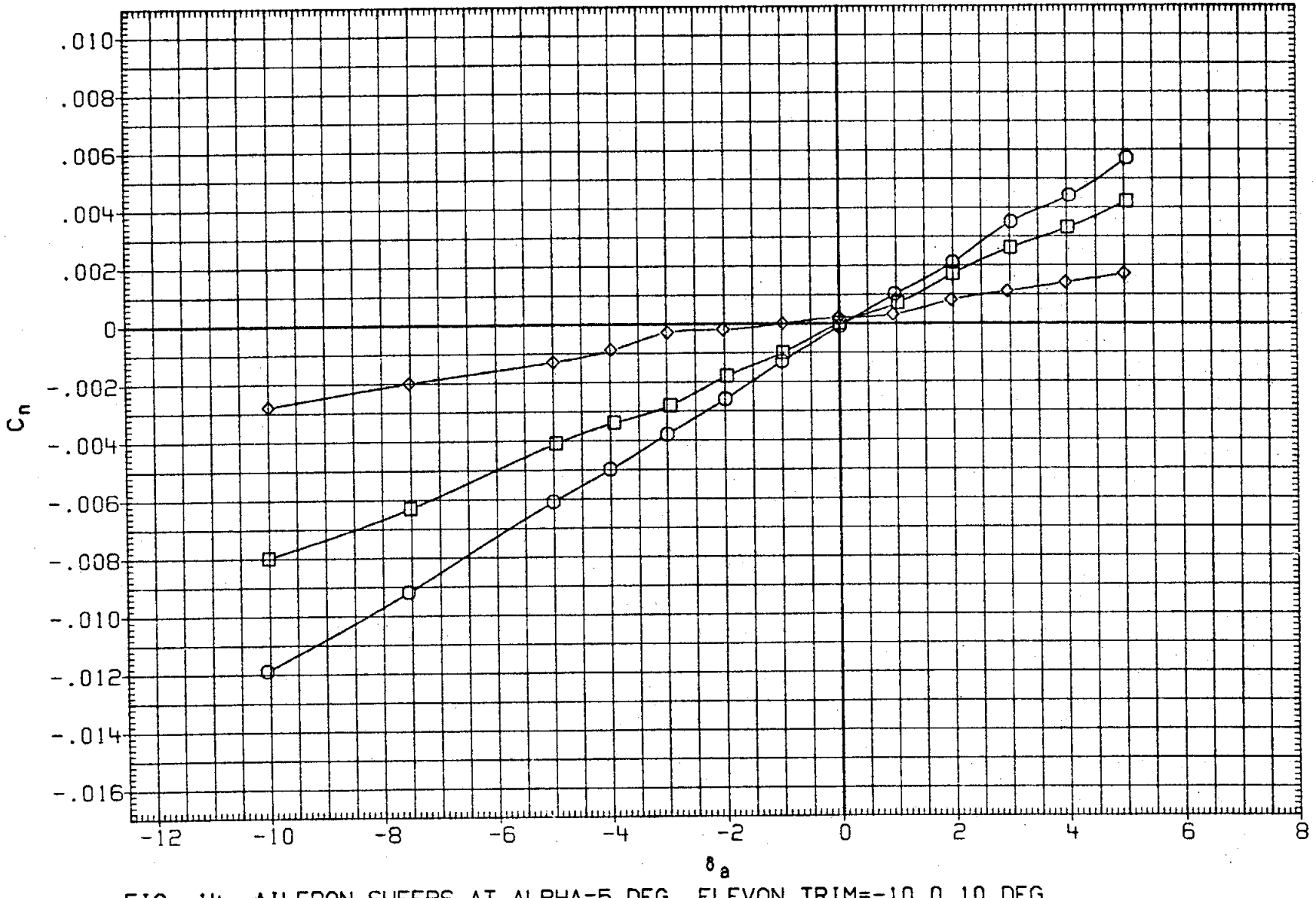


FIG. 14 AILERON SWEEPS AT ALPHA=5 DEG.,ELEVON TRIM=-10,0,10 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q029	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	-10.000	.000	25.000	8.000	.000
R2Q033	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	8.000	.000
R2Q030	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	10.000	.000	25.000	8.000	.000

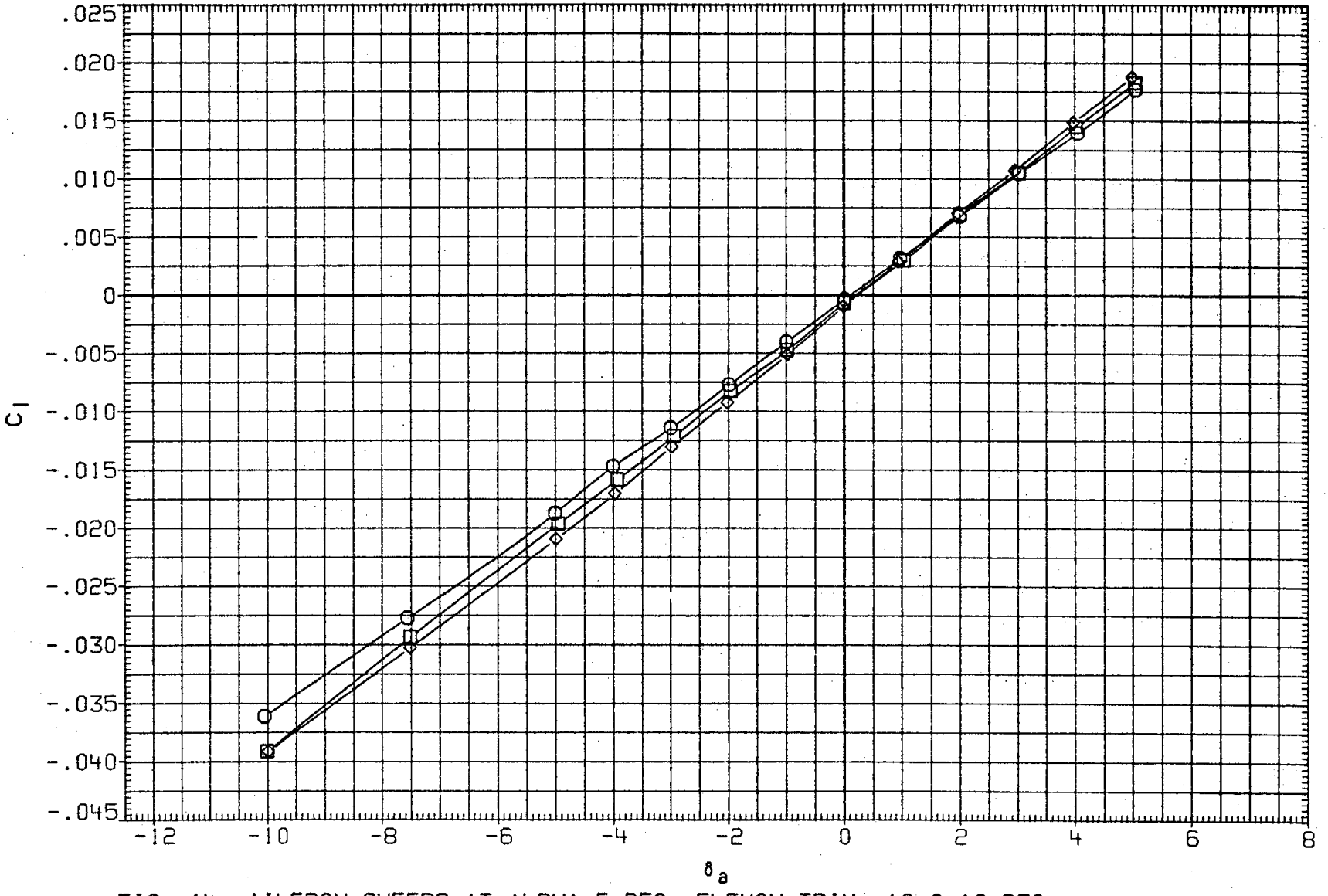


FIG. 14 AILERON SWEEPS AT ALPHA=5 DEG.,ELEVON TRIM=-10,0,10 DEG.

(A)MACH = .25

CONFIGURATION ARC 218-1-12 0A101 (0V102)

SYMBOL	MACH
O	.250

DATASET	ALPHA
12Q029	5.000
12Q033	5.000
12Q030	5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0500	

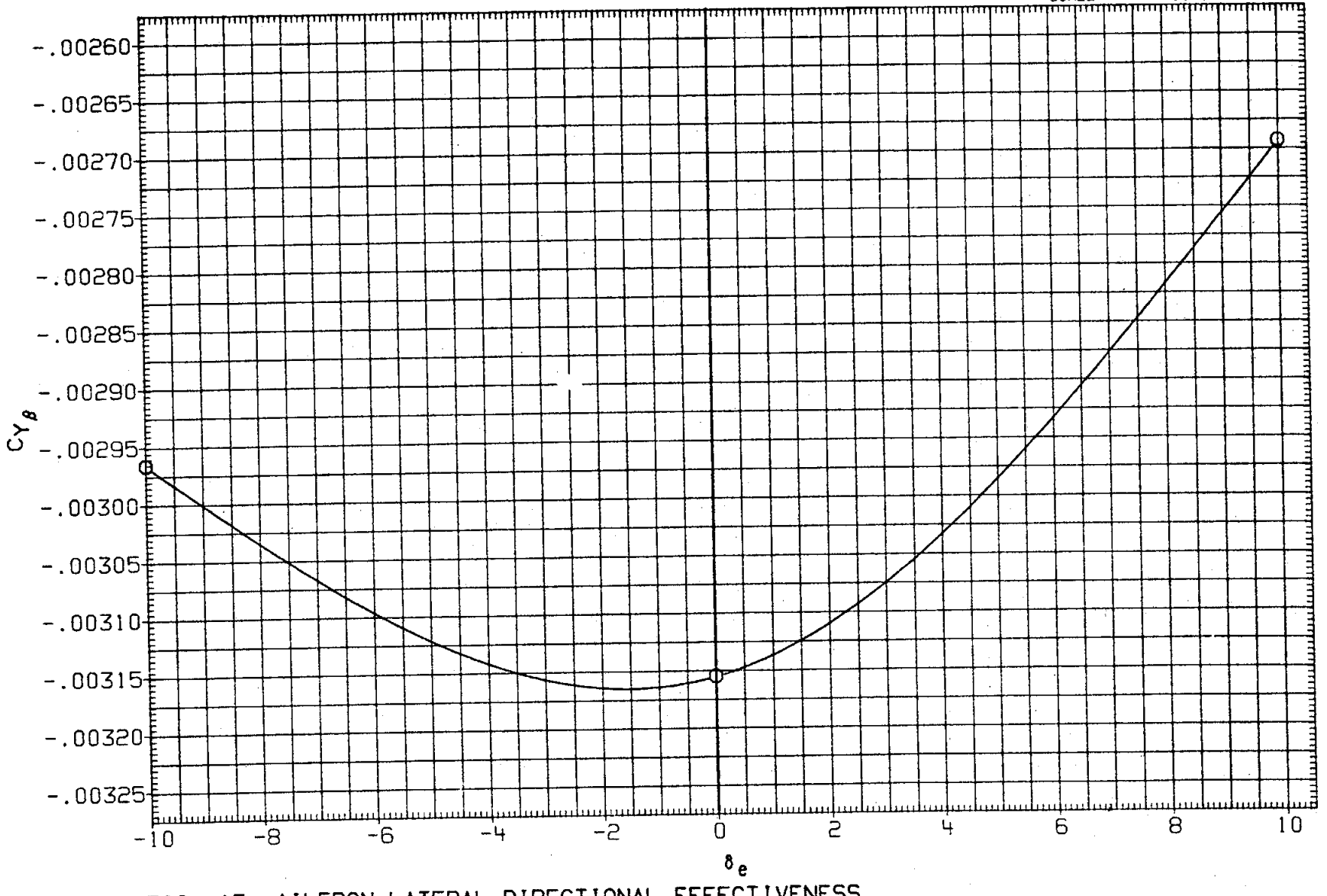


FIG. 15 AILERON LATERAL-DIRECTIONAL EFFECTIVENESS

CONFIGURATION ARC 218-1-12 0A101 (0V102)

SYMBOL	MACH
O	.250

DATASET	ALPHA
12Q029	5.000
12Q033	5.000
12Q030	5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0500	

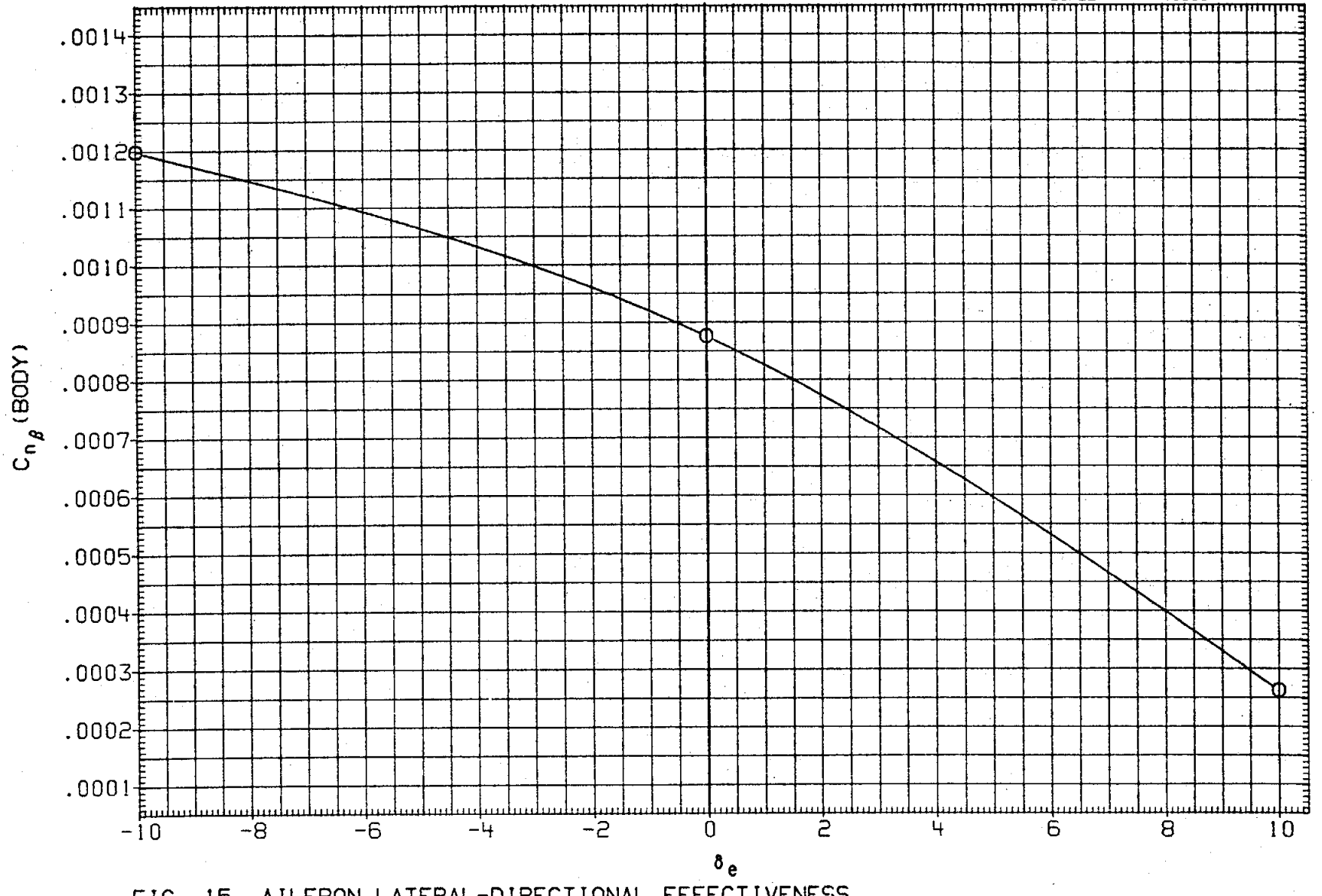


FIG. 15 AILERON LATERAL-DIRECTIONAL EFFECTIVENESS

CONFIGURATION ARC 218-1-12 0A101 (0V102)

SYMBOL	MACH
O	.250

DATASET	ALPHA
12Q029	5.000
12Q033	5.000
12Q030	5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0500	

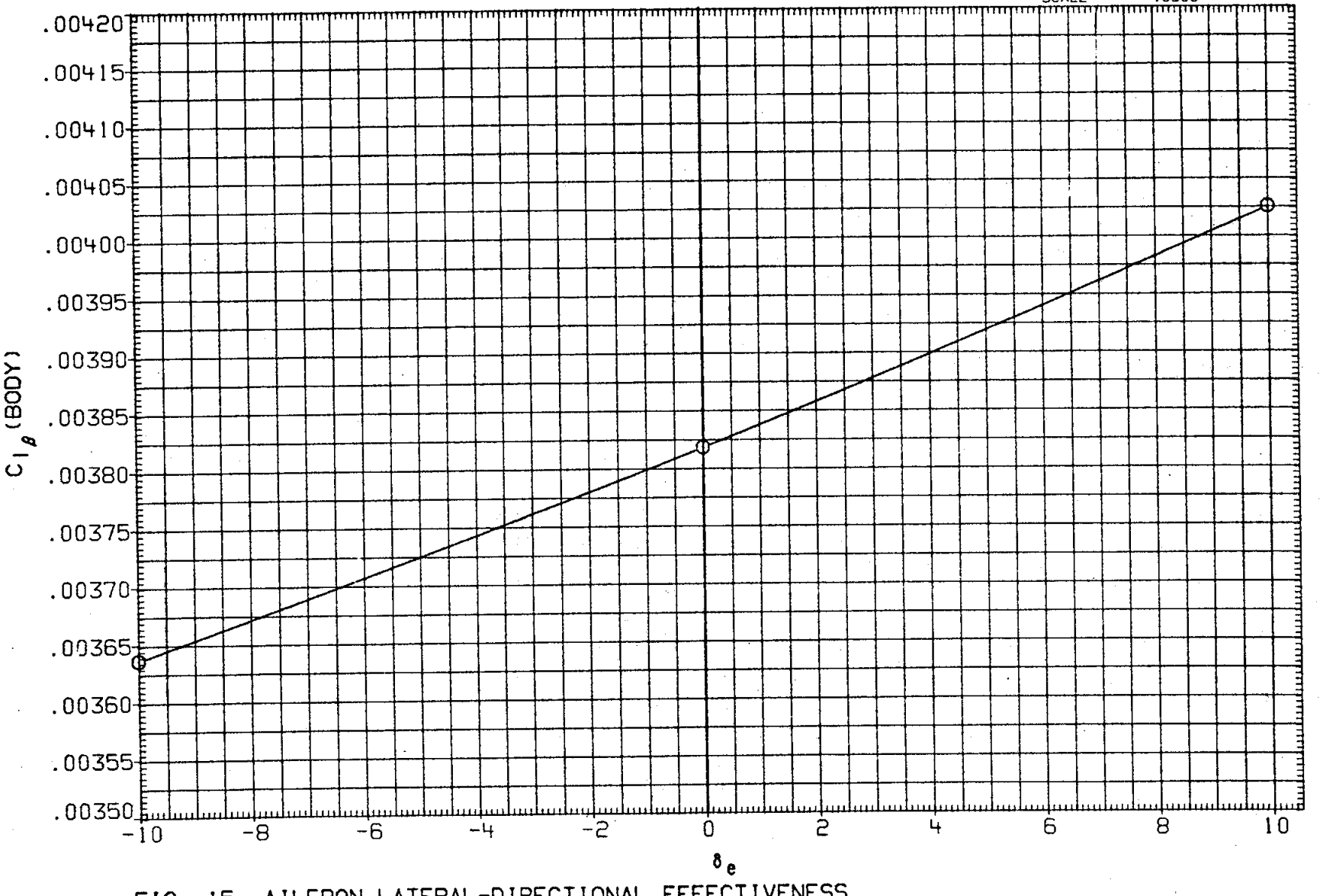


FIG. 15 AILERON LATERAL-DIRECTIONAL EFFECTIVENESS

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q040	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	.000	25.000	5.000
R2Q041	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	25.000	5.000
R2Q042	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	25.000	8.000
R2Q043	△	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	.000	25.000	5.000
R2Q044	▽	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	.000	25.000	5.000

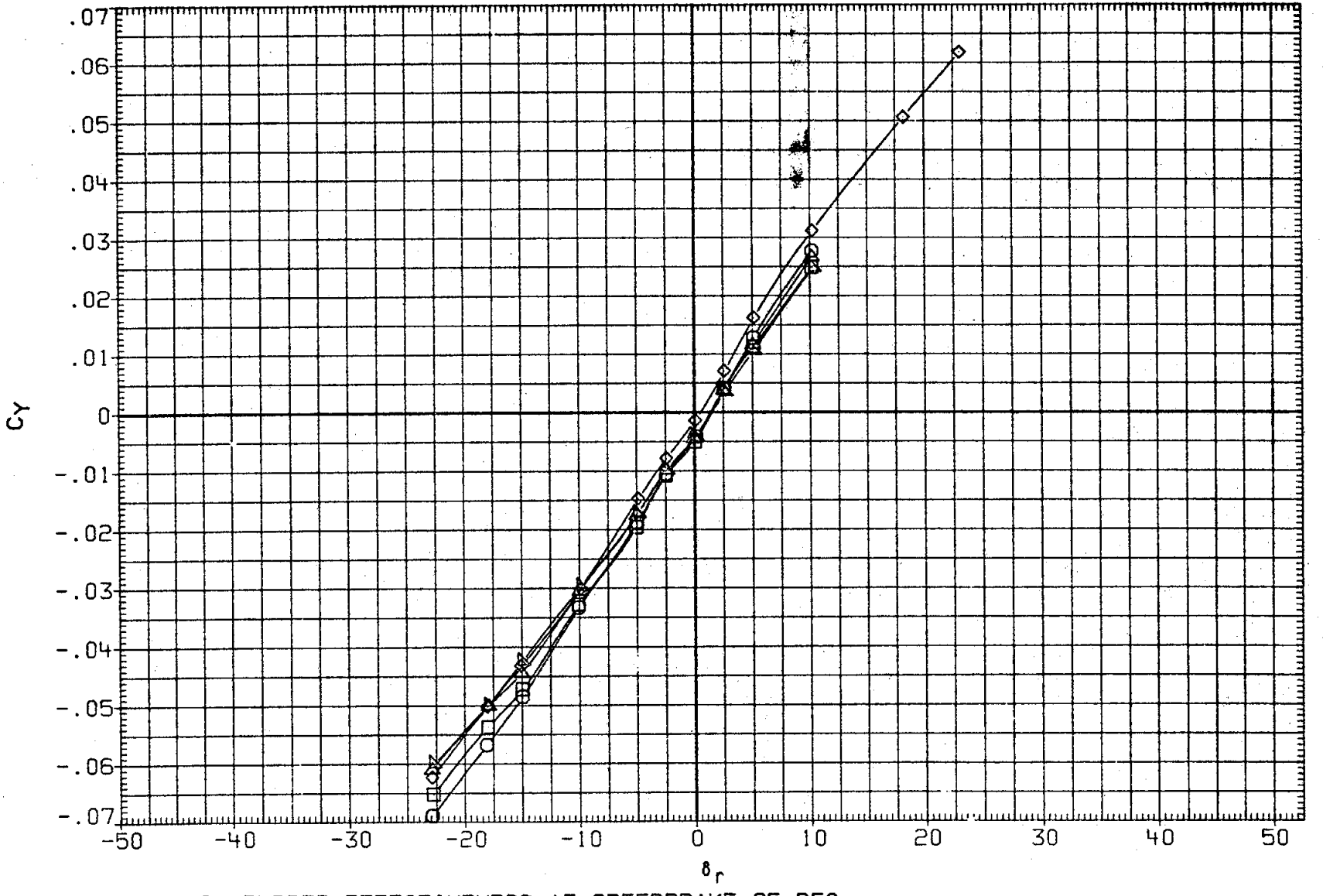


FIG. 16 RUDDER EFFECTIVENESS AT SPEEDBRAKE=25 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q040	○	ARC 218-1-12 OA101 (OV102)
R2Q041	□	ARC 218-1-12 OA101 (OV102)
R2Q042	◇	ARC 218-1-12 OA101 (OV102)
R2Q043	△	ARC 218-1-12 OA101 (OV102)
R2Q044	◁	ARC 218-1-12 OA101 (OV102)

ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
.000	.000	.000	.000	.000	25.000	5.000
5.000	.000	.000	.000	.000	25.000	5.000
5.000	.000	.000	.000	.000	25.000	8.000
10.000	.000	.000	.000	.000	25.000	5.000
15.000	.000	.000	.000	.000	25.000	5.000

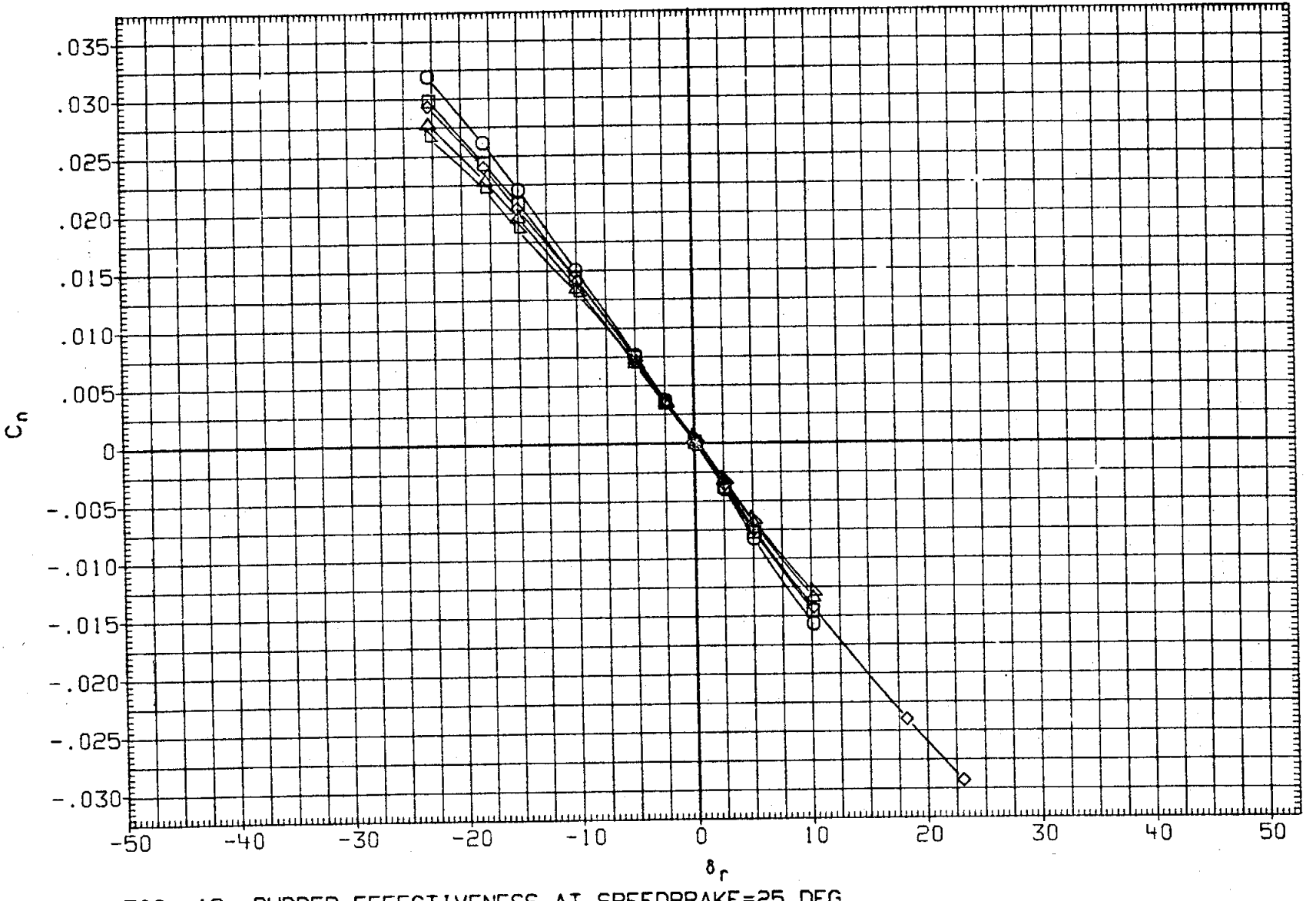


FIG. 16 RUDDER EFFECTIVENESS AT SPEEDBRAKE=25 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q040	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	.000	25.000	5.000
R2Q041	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	25.000	5.000
R2Q042	◇	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	25.000	8.000
R2Q043	△	ARC 218-1-12 OA101 (OV102)	10.000	.000	.000	.000	.000	25.000	5.000
R2Q044	▷	ARC 218-1-12 OA101 (OV102)	15.000	.000	.000	.000	.000	25.000	5.000

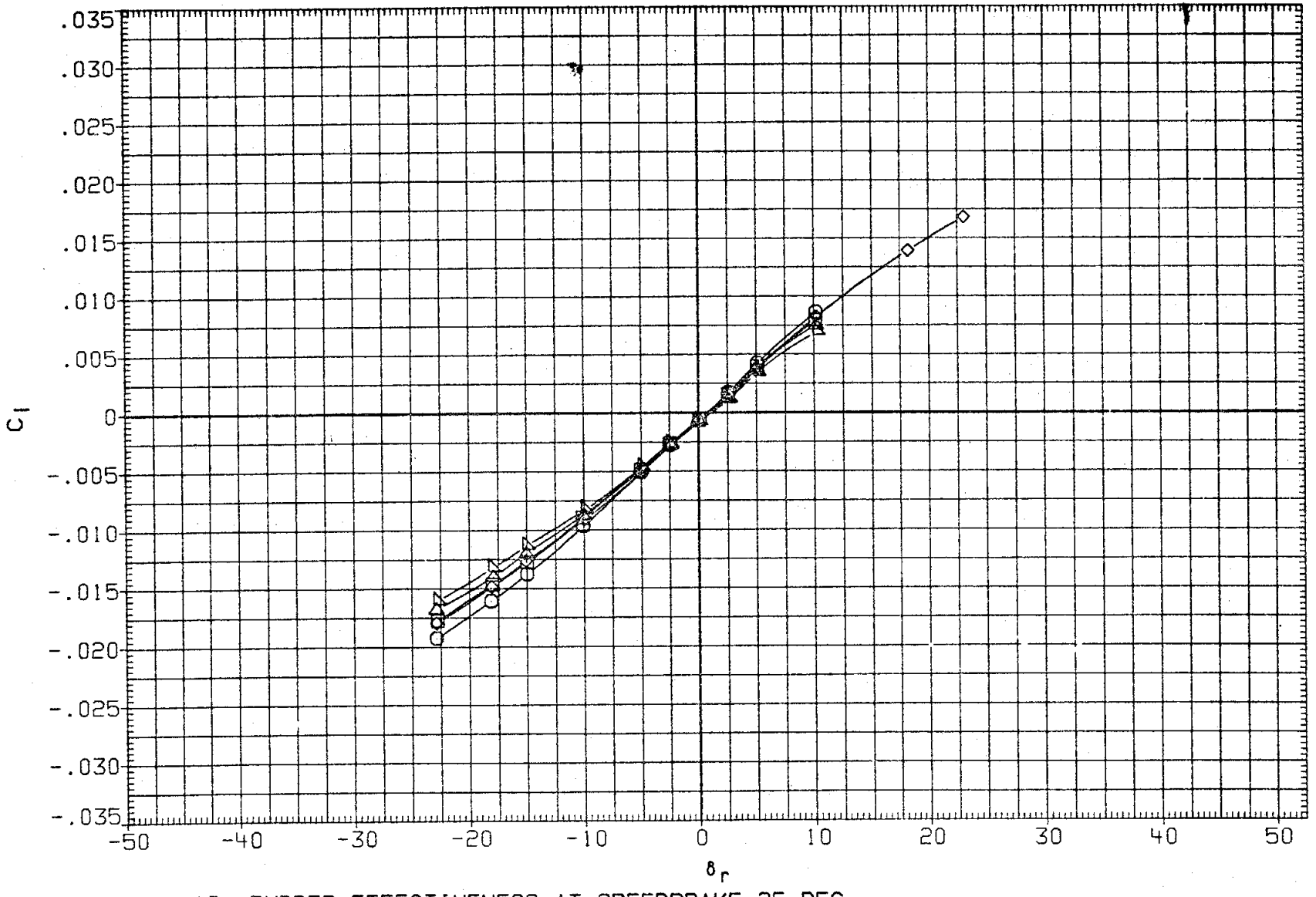


FIG. 16 RUDDER EFFECTIVENESS AT SPEEDBRAKE=25 DEG.

(A)MACH = .25

CONFIGURATION ARC 218-1-12 0A101 (0V102)

SYMBOL	MACH
O	.251

DATASET	BETA
12Q040	.000
12Q041	.000
12Q043	.000
12Q044	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0500	

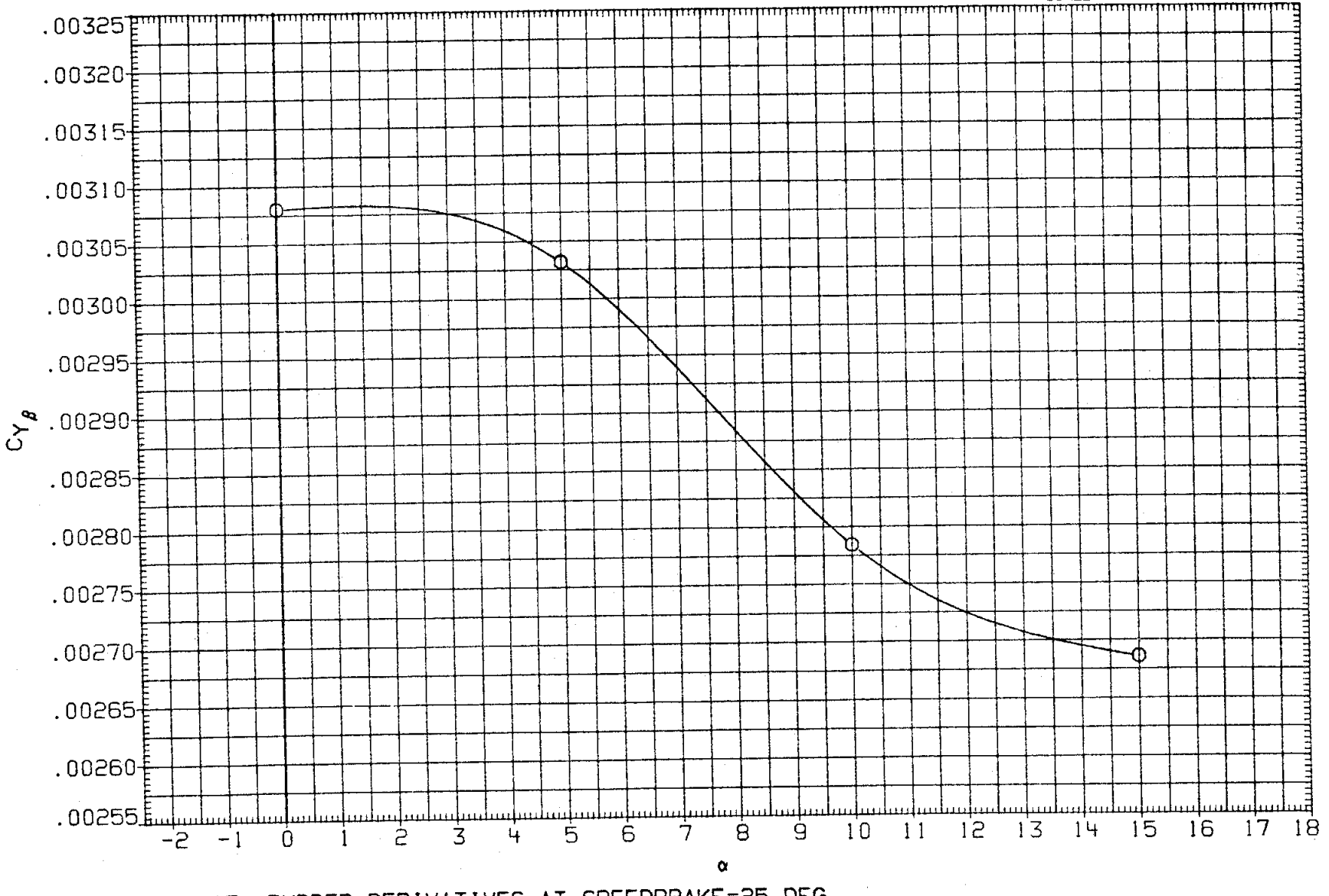


FIG. 17 RUDDER DERIVATIVES AT SPEEDBRAKE=25 DEG.

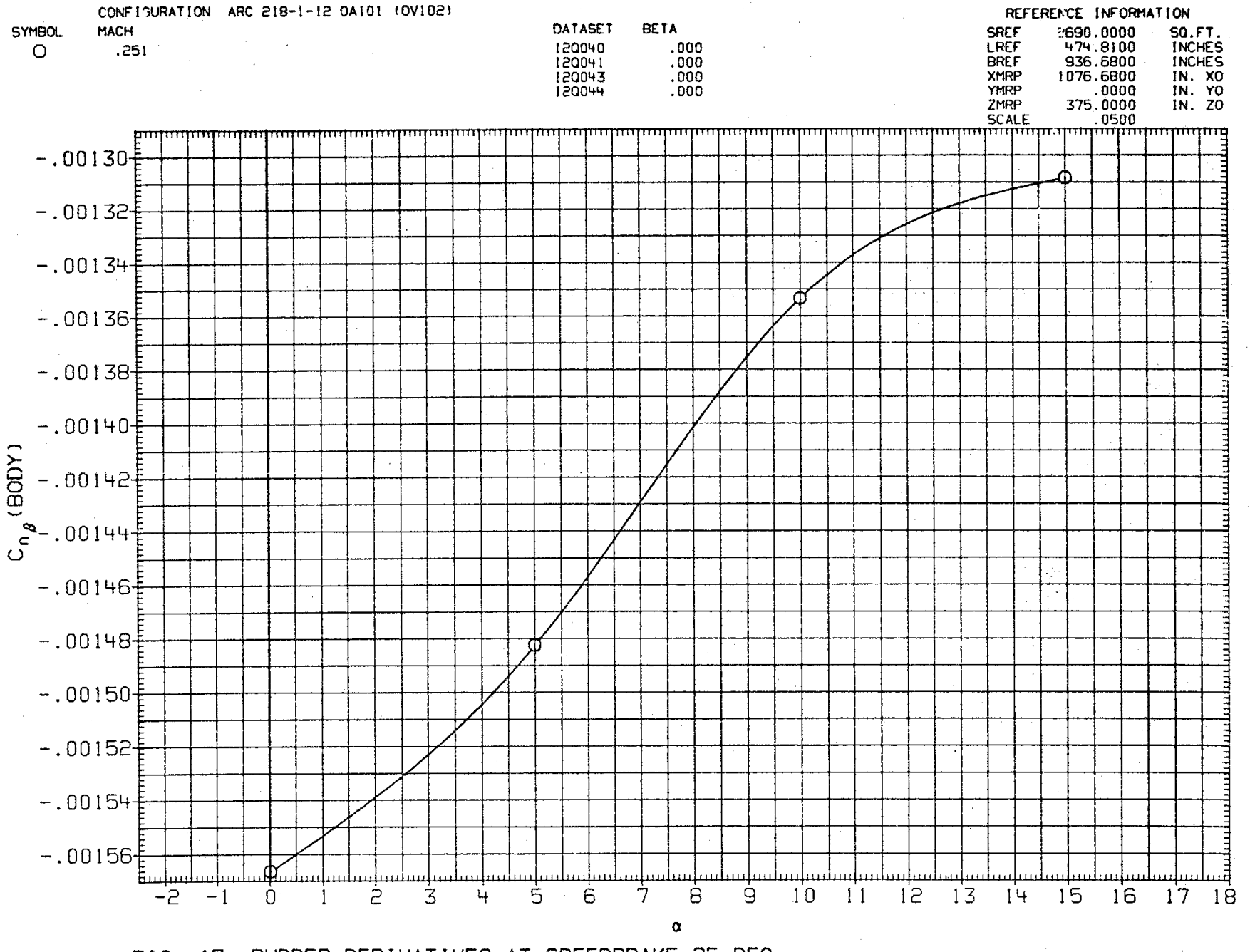


FIG. 17 RUDDER DERIVATIVES AT SPEEDBRAKE=25 DEG.

CONFIGURATION ARC 218-1-12 0A101 (0V102)

SYMBOL	MACH
O	.251

DATASET	BETA
12Q040	.000
12Q041	.000
12Q043	.000
12Q044	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0500	

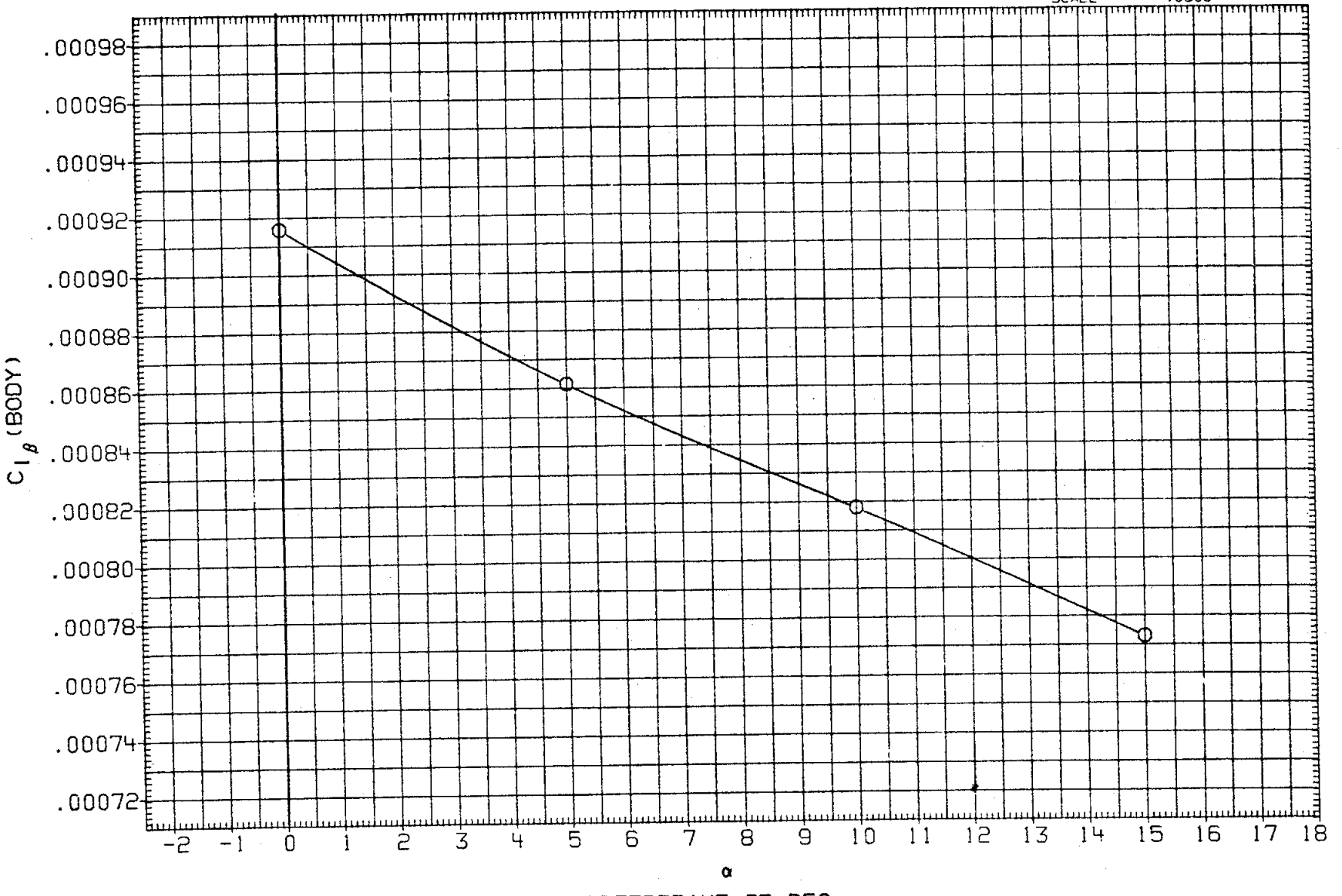


FIG. 17 RUDDER DERIVATIVES AT SPEEDBRAKE=25 DEG.

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R20047	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	5.000	-5.000
R20005	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	5.000	.000

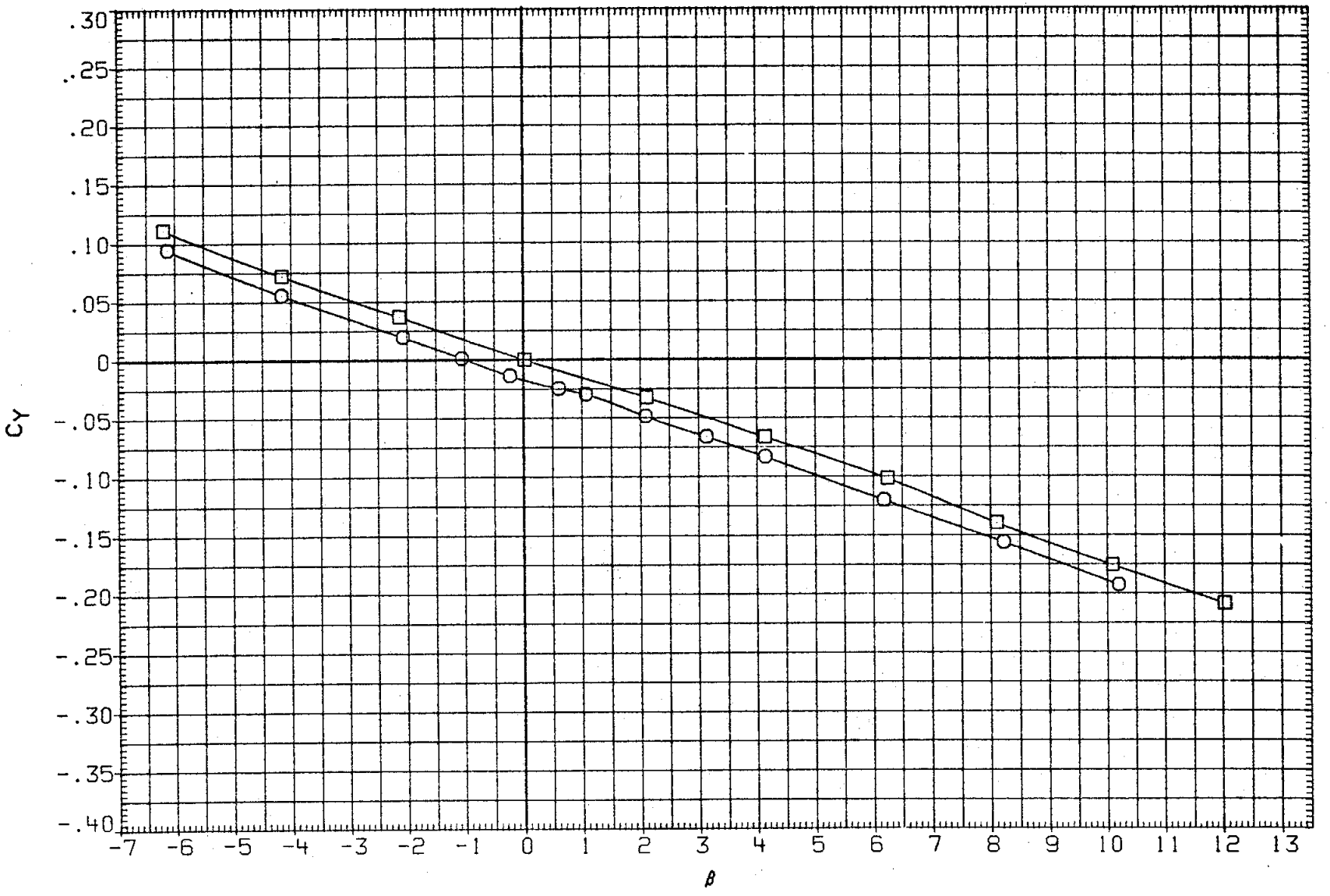


FIG. 18 EFFECT OF BETA ON RUDDER EFFECTIVENESS, SPEEDBRAKE=25 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q047	○	ARC 218-1-12 0A101 (0V102)
R2Q005	□	ARC 218-1-12 0A101 (0V.02)

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

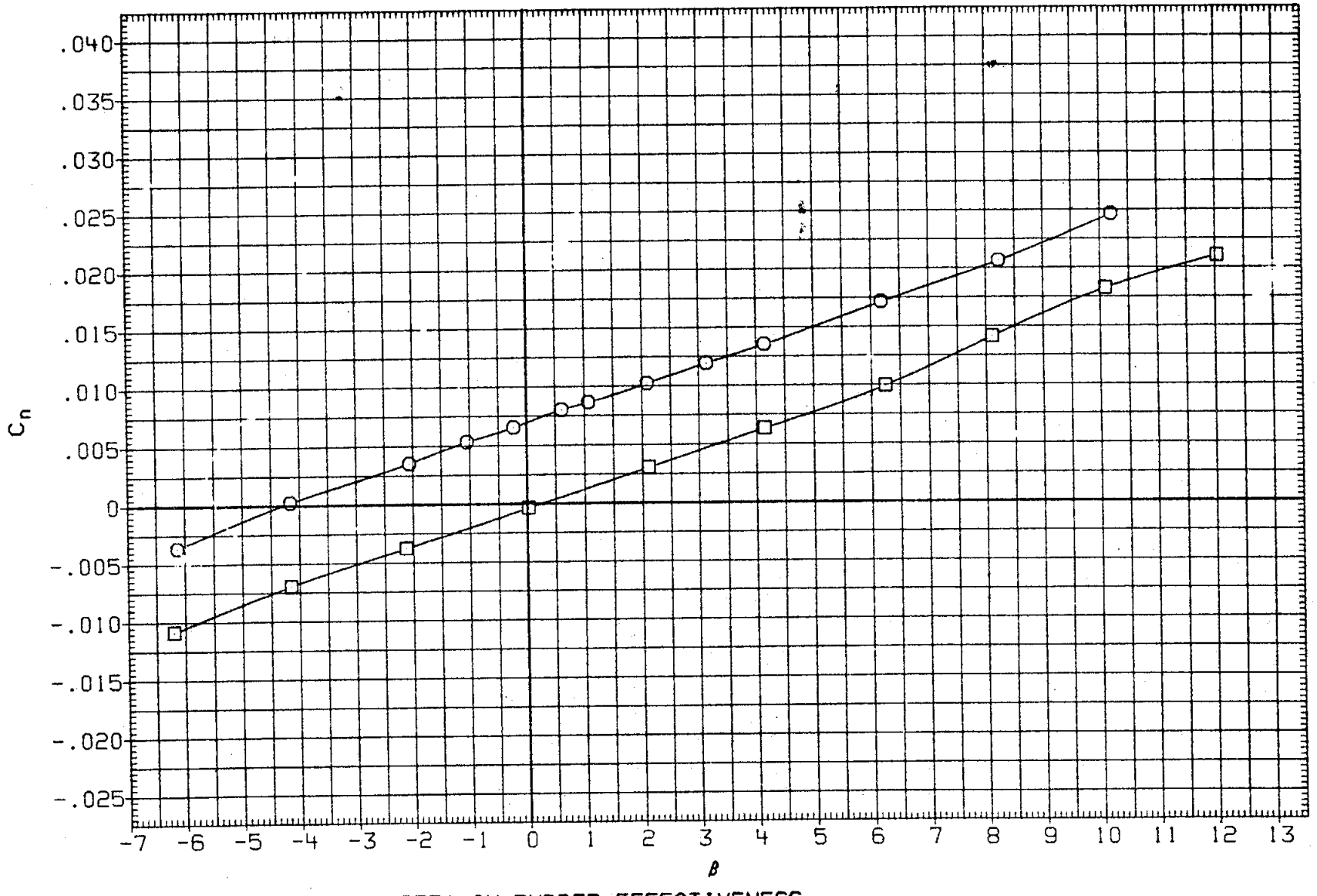


FIG. 18 EFFECT OF BETA ON RUDDER EFFECTIVENESS, SPEEDBRAKE=25 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q047	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	5.000	-5.000
R2Q005	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	5.000	.000

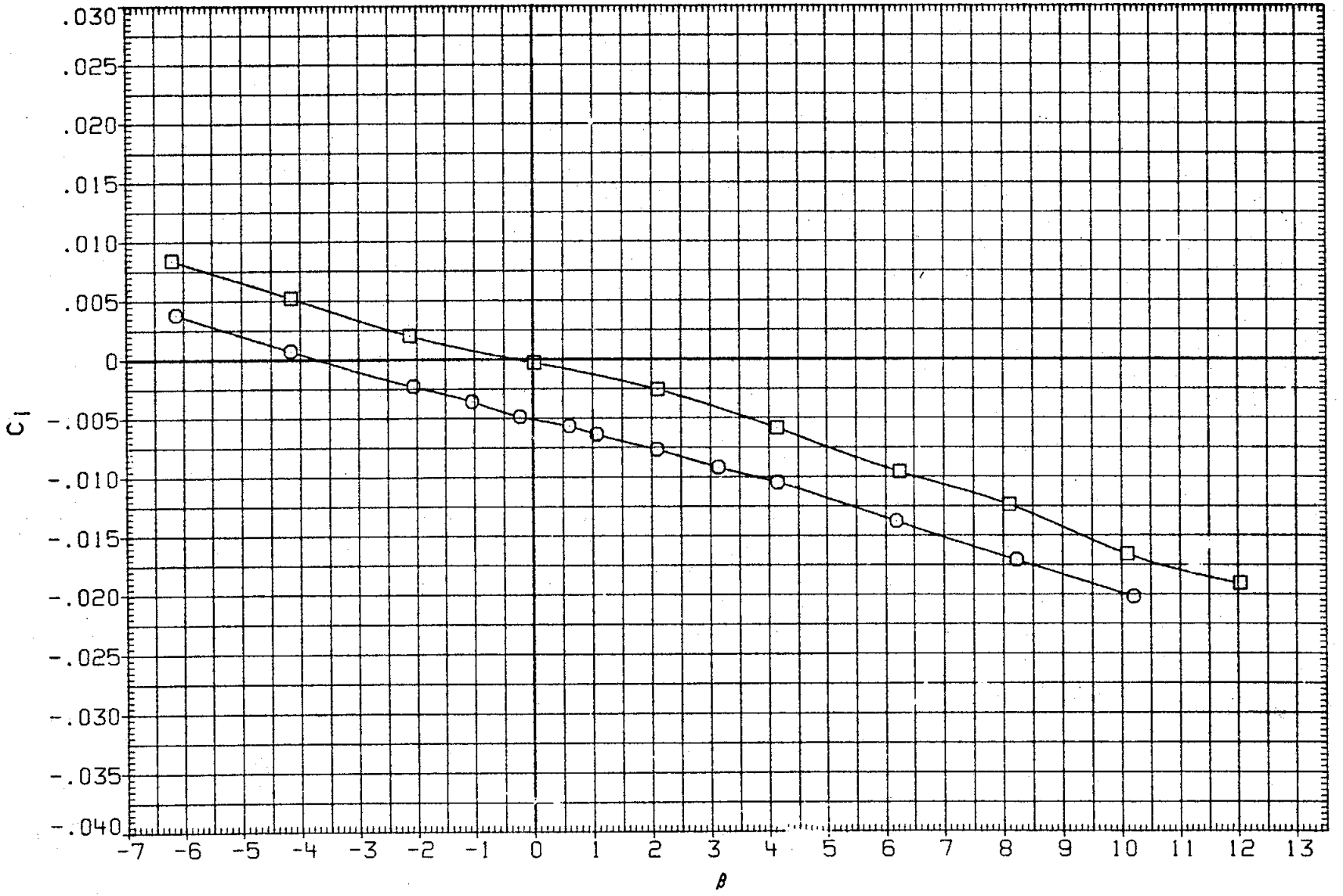


FIG. 18 EFFECT OF BETA ON RUDDER EFFECTIVENESS, SPEEDBRAKE=25 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
R2Q053	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q054	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	8.000	.000

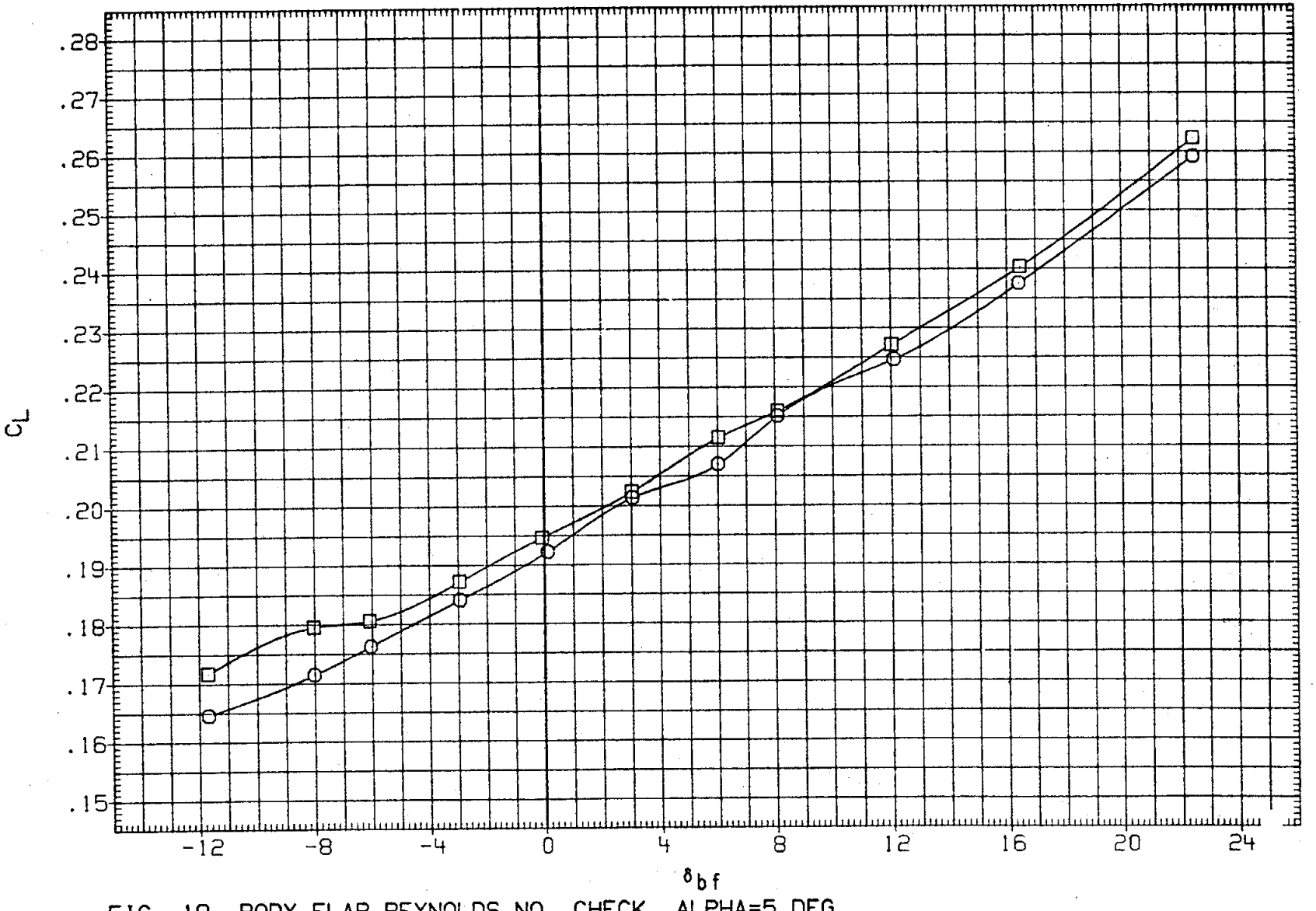


FIG. 19 BODY FLAP REYNOLDS NO. CHECK, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
R2Q053	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q054	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	8.000	.000

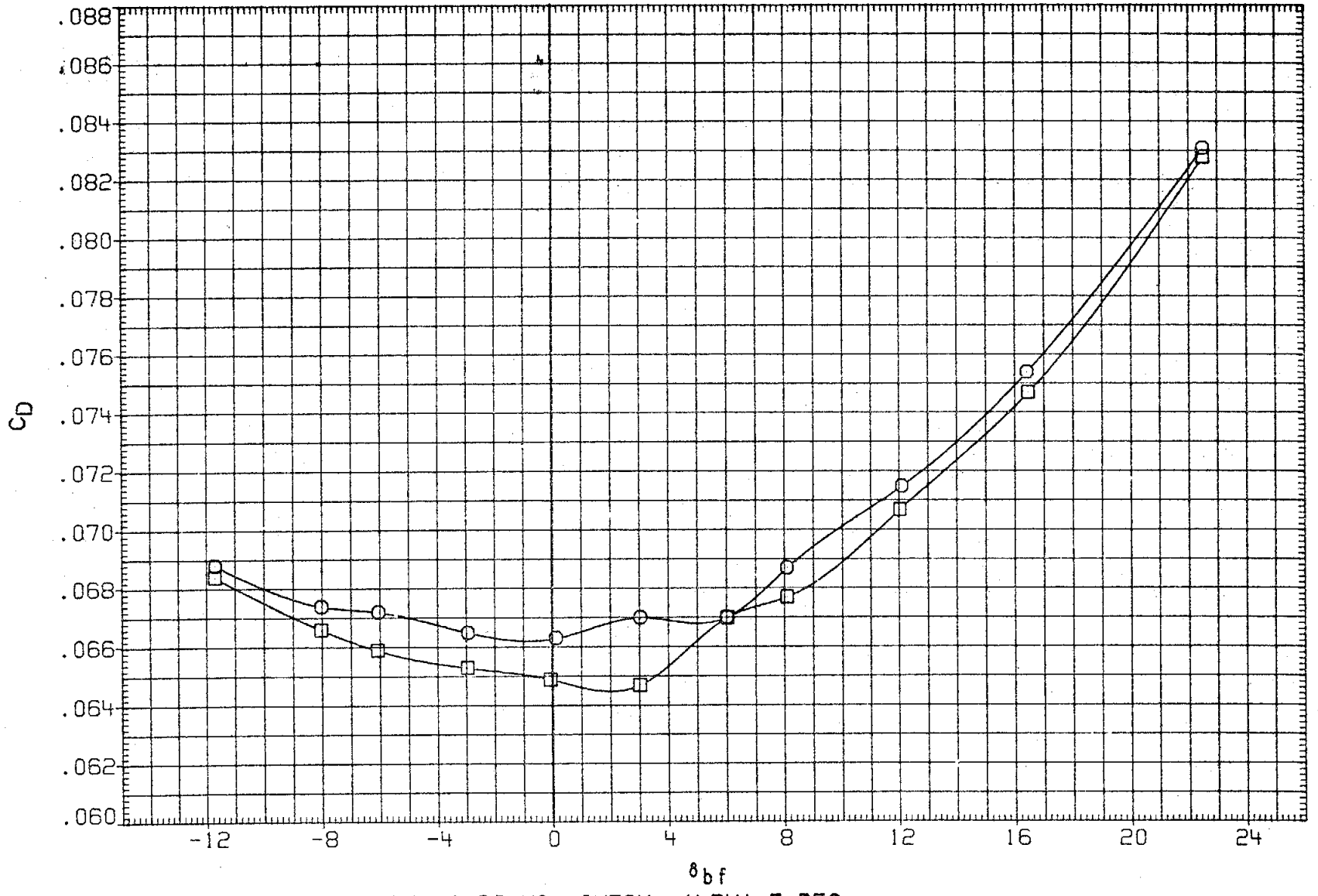


FIG. 19 BODY FLAP REYNOLDS NO. CHECK, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q053	○	ARC 218-1-12 0A101 (0V102)
R2Q054	□	ARC 218-1-12 0A101 (0V102)

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

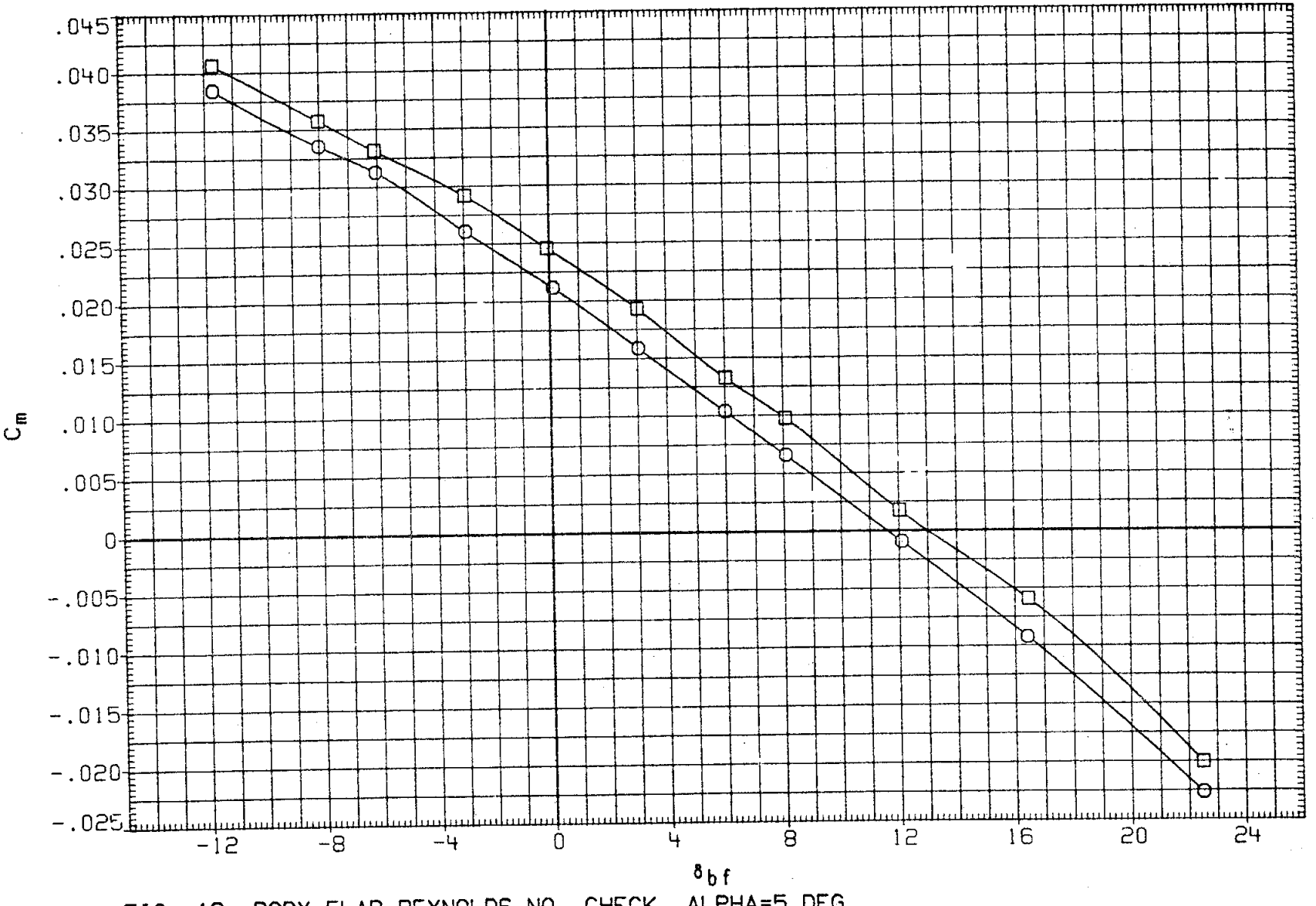


FIG. 19 BODY FLAP REYNOLDS NO. CHECK, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
R2Q052	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	25.000	5.000	.000
R2Q053	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q055	◇	ARC 218-1-12 OA101 (OV102)	10.000	.000	.000	.000	25.000	5.000	.000

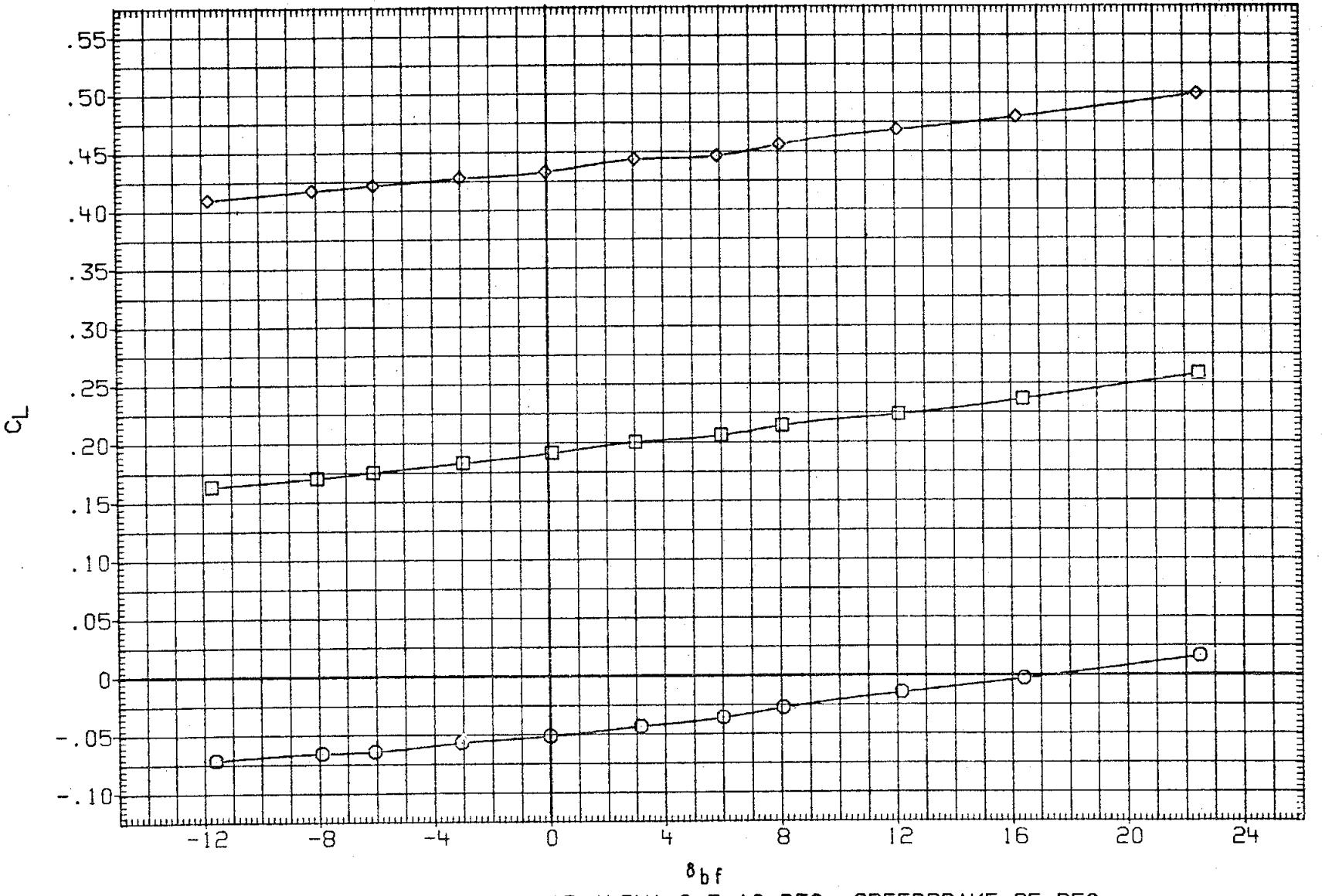


FIG. 20 BODY FLAP VARIATIONS AT ALPHA=0,5,10 DEG.,SPEEDBRAKE=25 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q052	○	ARC 218-1-12 0A101 (0V102)
R2Q053	□	ARC 218-1-12 0A101 (0V102)
R2Q055	◇	ARC 218-1-12 0A101 (0V102)

ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	25.000	5.000	.000
10.000	.000	.000	.000	25.000	5.000	.000

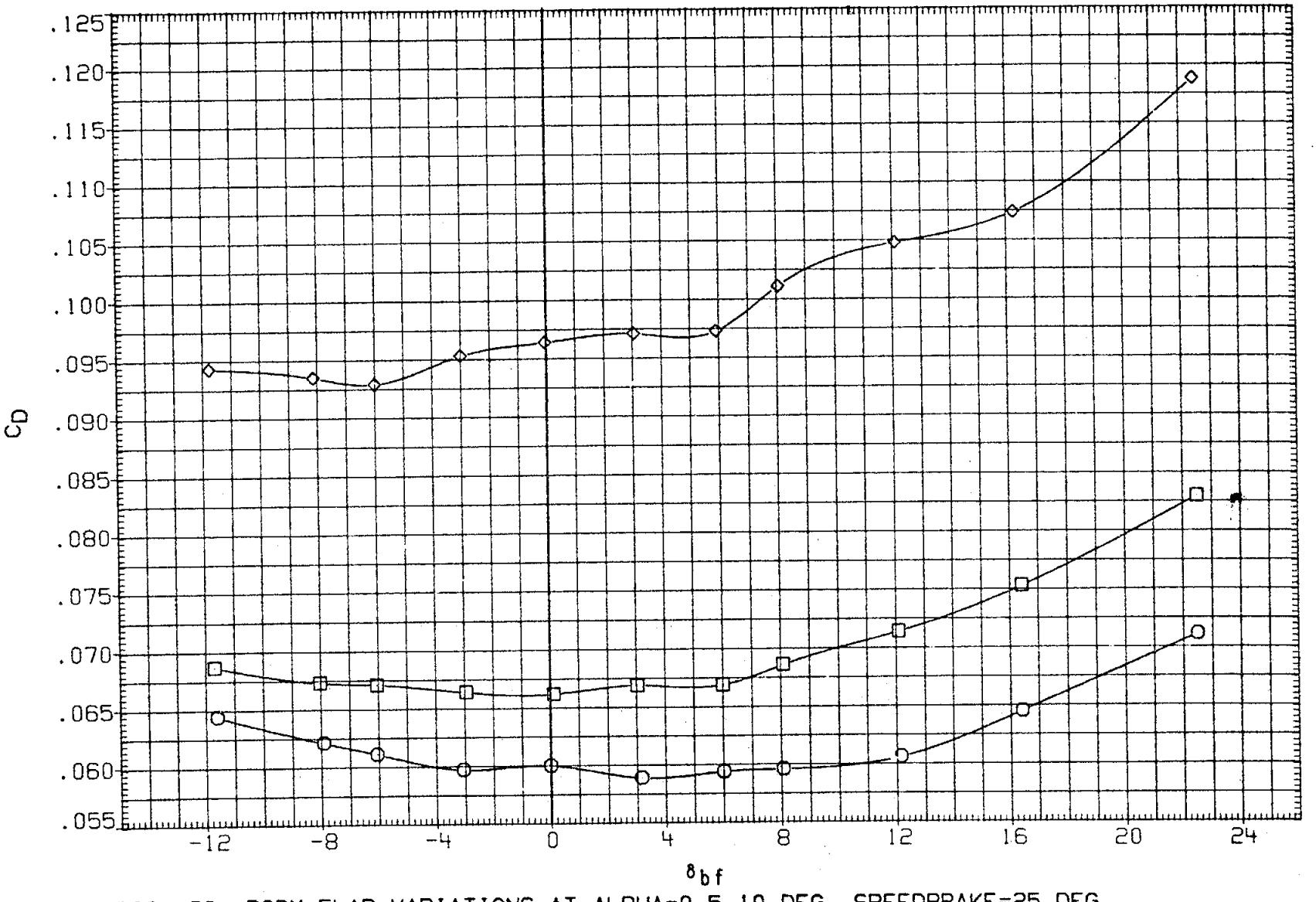


FIG. 20 BODY FLAP VARIATIONS AT ALPHA=0,5,10 DEG.,SPEEDBRAKE=25 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q052	○	ARC 218-1-12 OA101 (OV102)
R2Q053	□	ARC 218-1-12 OA101 (OV102)
R2Q055	◇	ARC 218-1-12 OA101 (OV102)

ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	25.000	5.000	.000
10.000	.000	.000	.000	25.000	5.000	.000

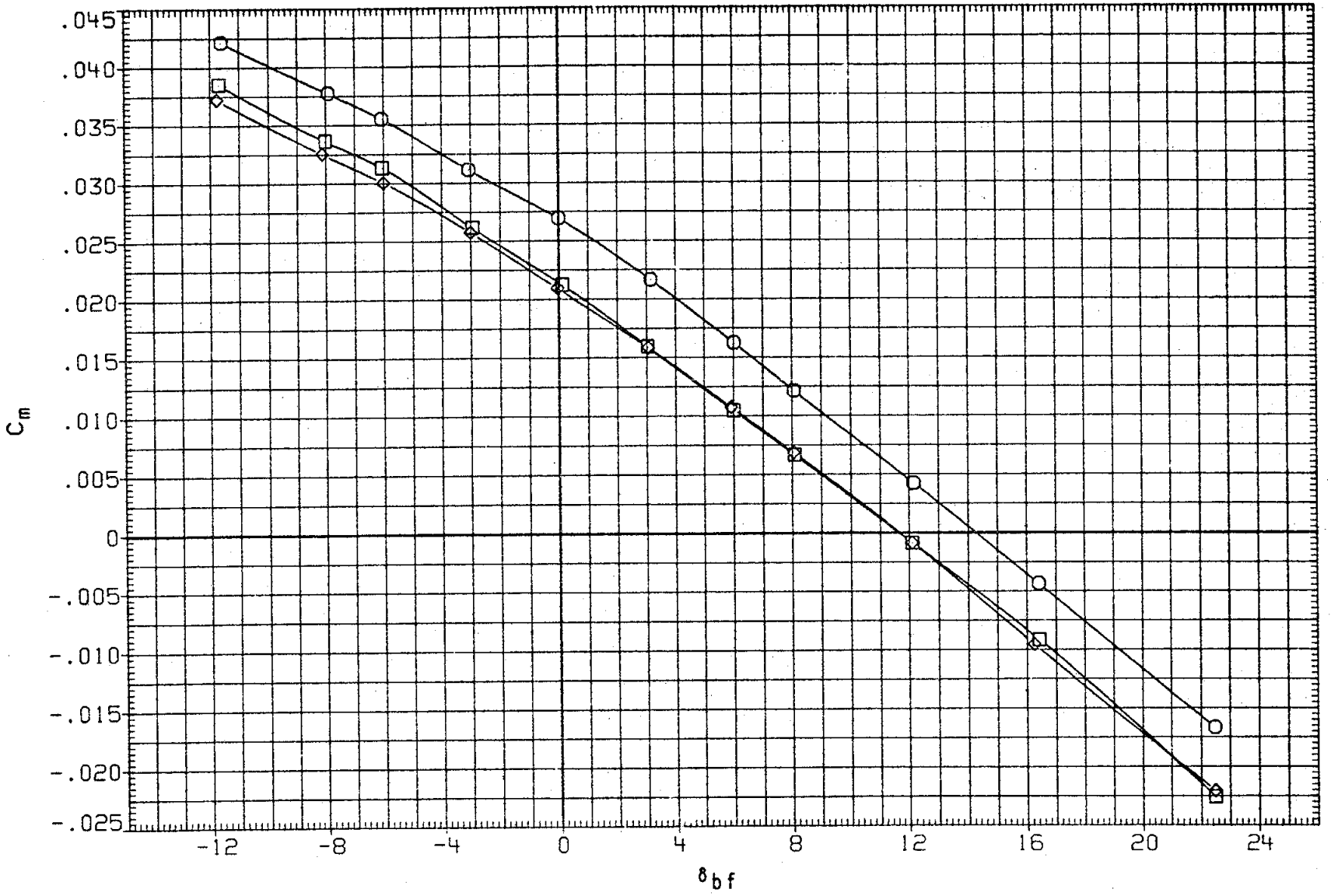


FIG. 20 BODY FLAP VARIATIONS AT ALPHA=0,5,10 DEG.,SPEEDBRAKE=25 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
H2Q052	○	ARC 218-1-12 0A101 (0V102)
H2Q053	□	ARC 218-1-12 0A101 (0V102)
H2Q055	◇	ARC 218-1-12 0A101 (0V102)

ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	25.000	5.000	.000
10.000	.000	.000	.000	25.000	5.000	.000

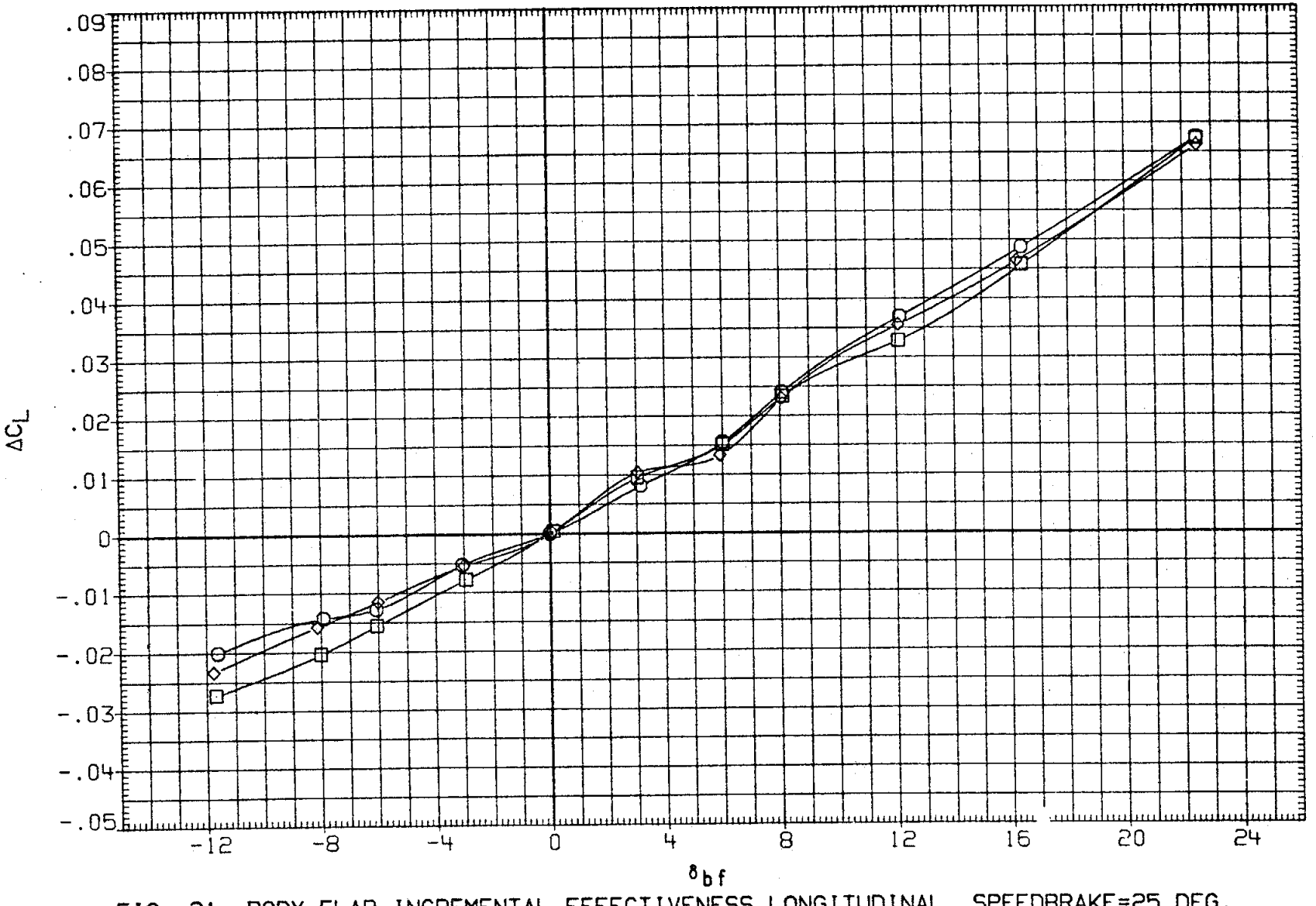


FIG. 21 BODY FLAP INCREMENTAL EFFECTIVENESS LONGITUDINAL, SPEEDBRAKE=25 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
H2Q052	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	5.000	.000
H2Q053	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	5.000	.000
H2Q055	◇	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	25.000	5.000	.000

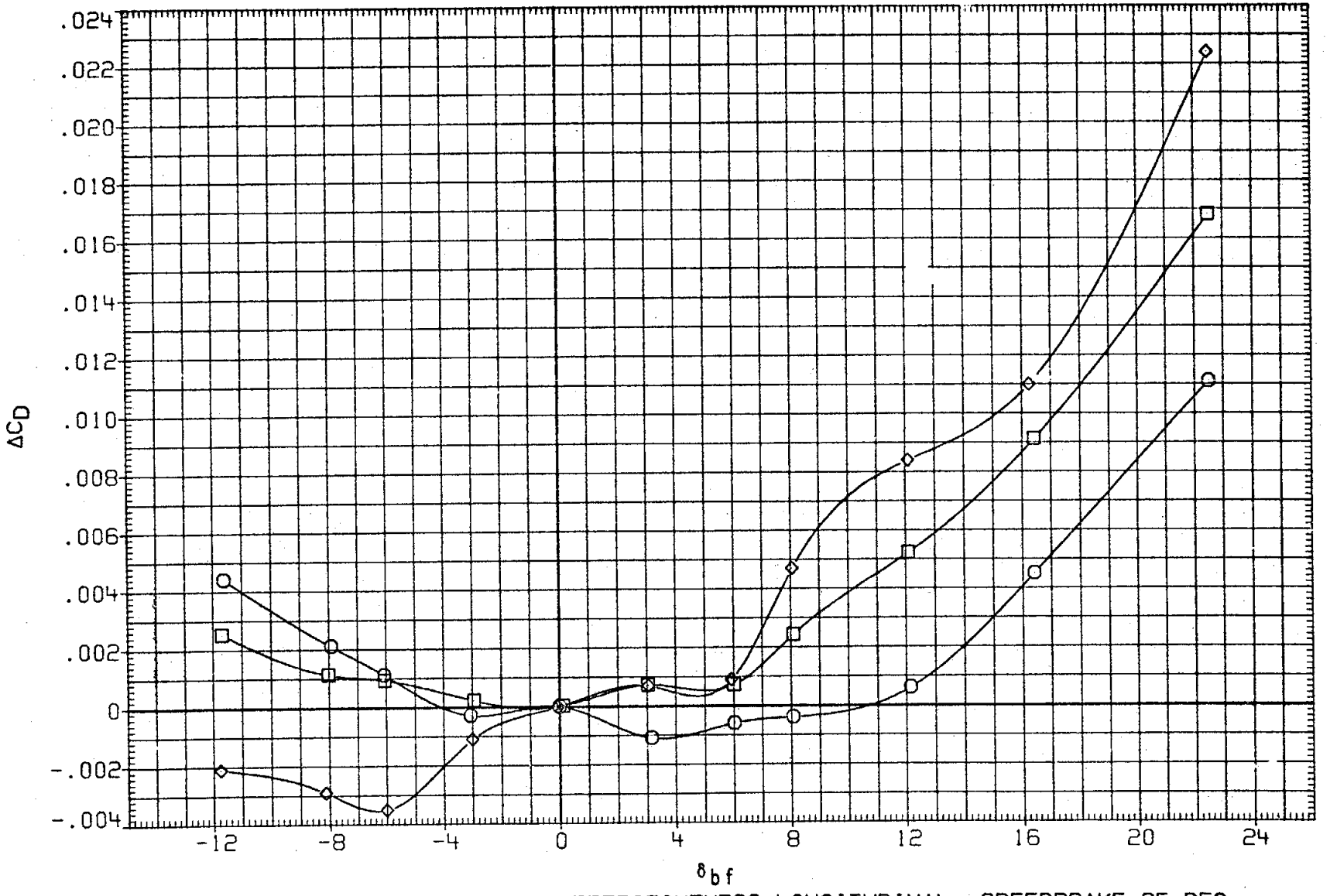


FIG. 21 BODY FLAP INCREMENTAL EFFECTIVENESS LONGITUDINAL, SPEEDBRAKE=25 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
H2Q052	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	5.000	.000
H2Q053	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	5.000	.000
H2Q055	◇	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	25.000	5.000	.000

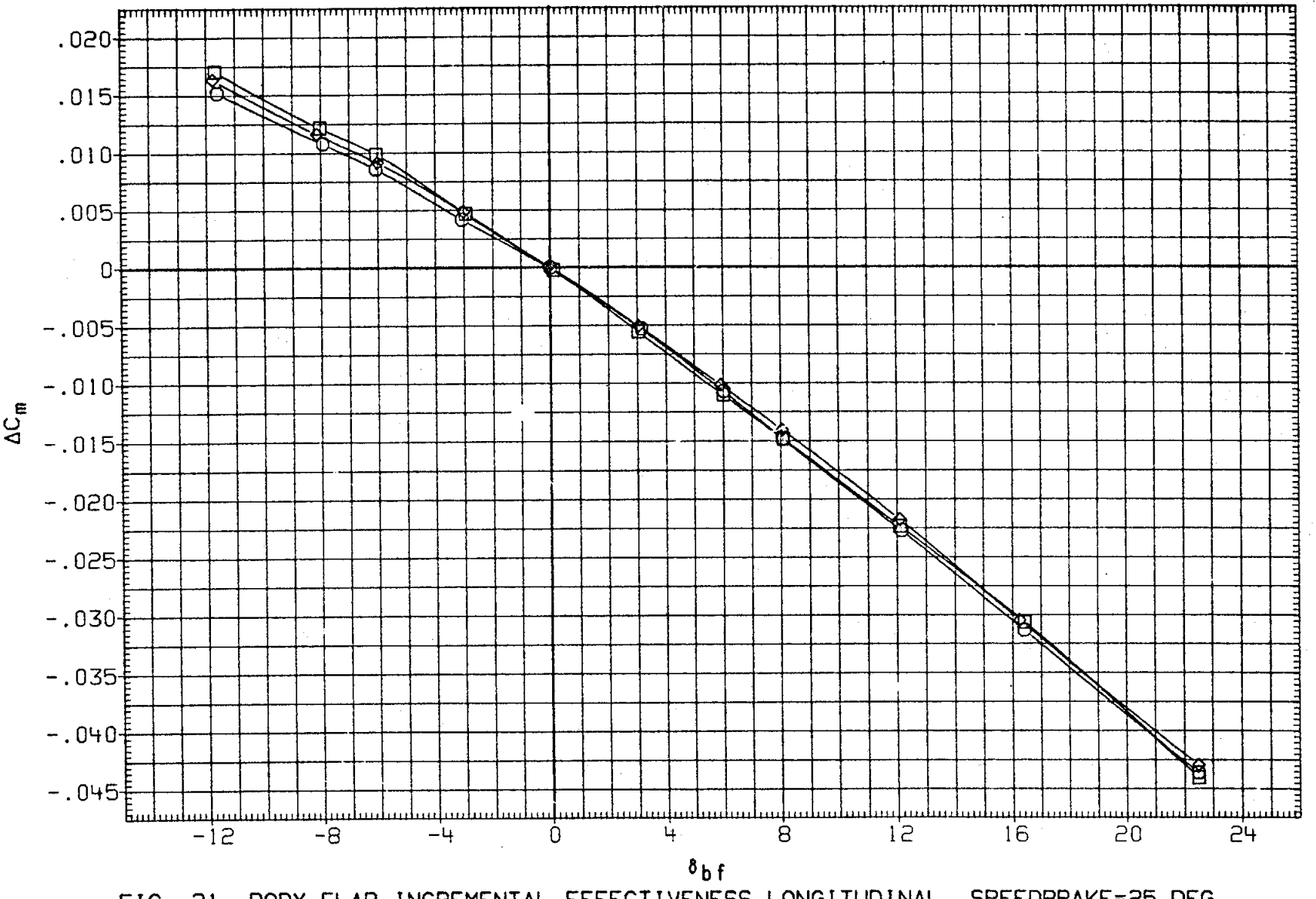


FIG. 21 BODY FLAP INCREMENTAL EFFECTIVENESS LONGITUDINAL, SPEEDBRAKE=25 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q049	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	-11.700	25.000	5.000	.000
R2Q001	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	5.000	.000
R2Q050	◇	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	16.300	25.000	5.000	.000
R2Q051	△	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	22.500	25.000	5.000	.000

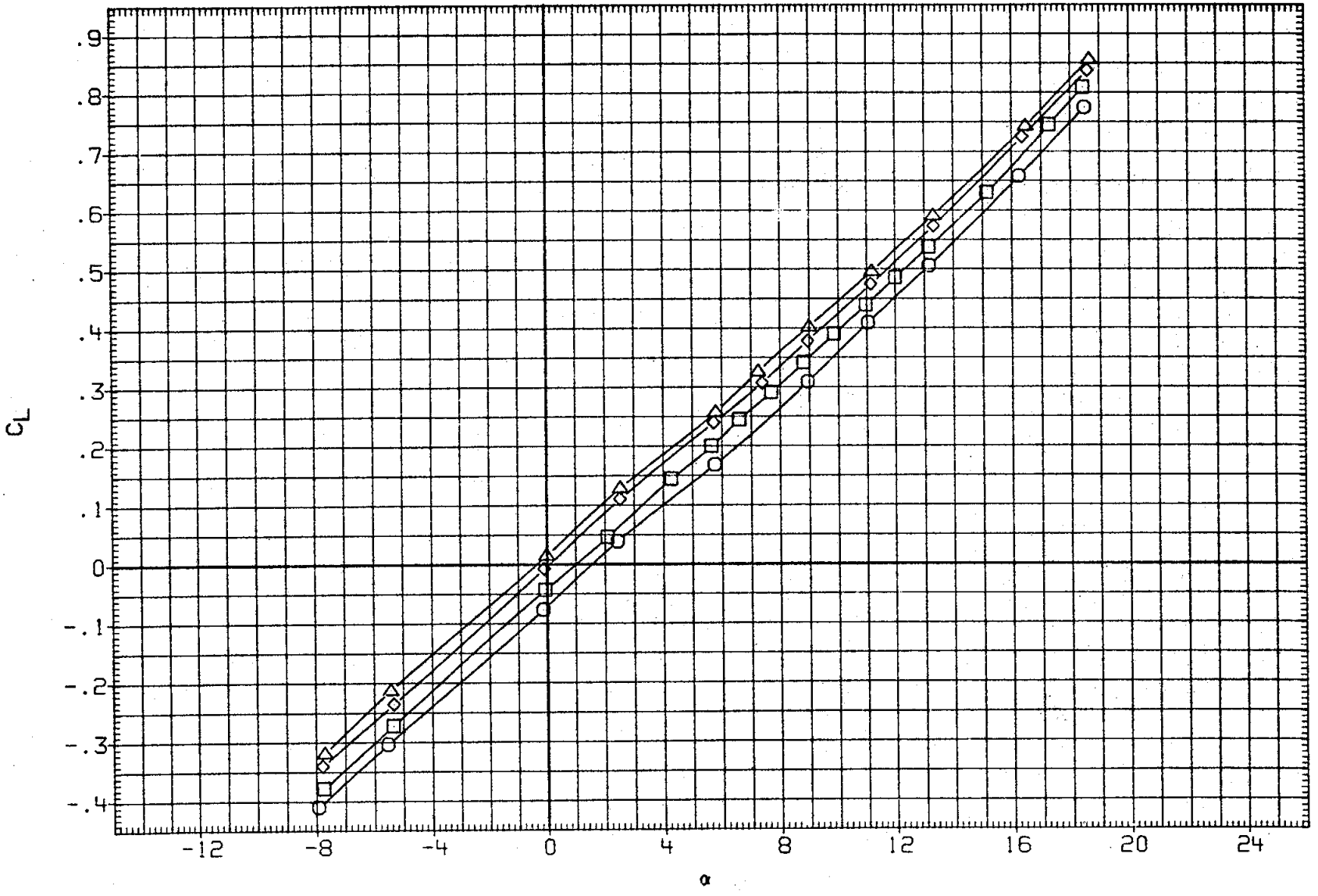


FIG. 22 PITCH RUNS FOR CONSTANT BODY FLAP DEFLECTIONS, SPEEDBRAKE=25 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q049	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	-11.700	25.000	5.000	.000
R2Q001	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	5.000	.000
R2Q050	◇	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	16.300	25.000	5.000	.000
R2Q051	△	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	22.500	25.000	5.000	.000

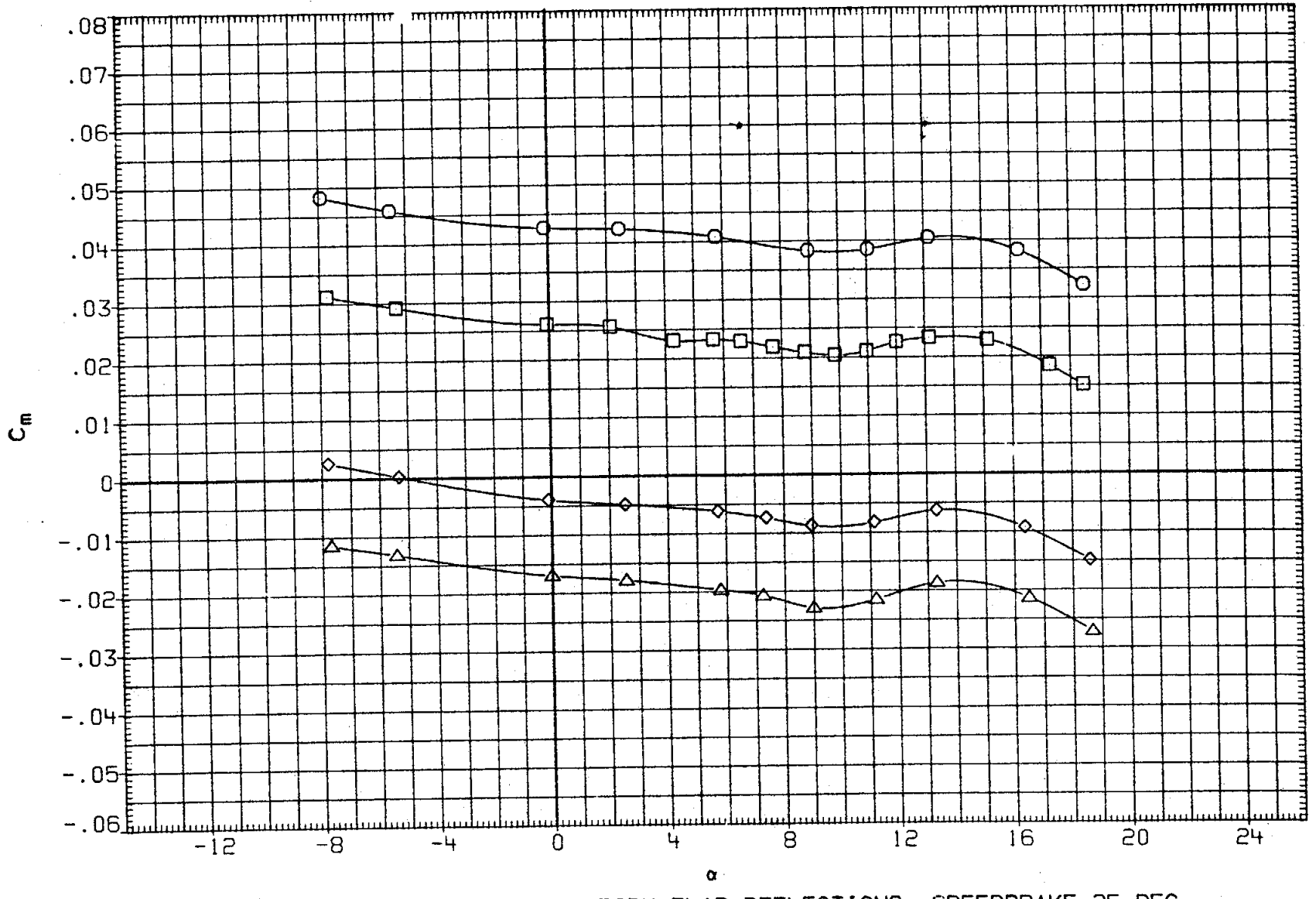


FIG. 22 PITCH RUNS FOR CONSTANT BODY FLAP DEFLECTIONS, SPEEDBRAKE=25 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q049	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	-11.700	25.000	5.000	.000
R2Q001	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	5.000	.000
R2Q050	◇	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	16.300	25.000	5.000	.000
R2Q051	△	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	22.500	25.000	5.000	.000

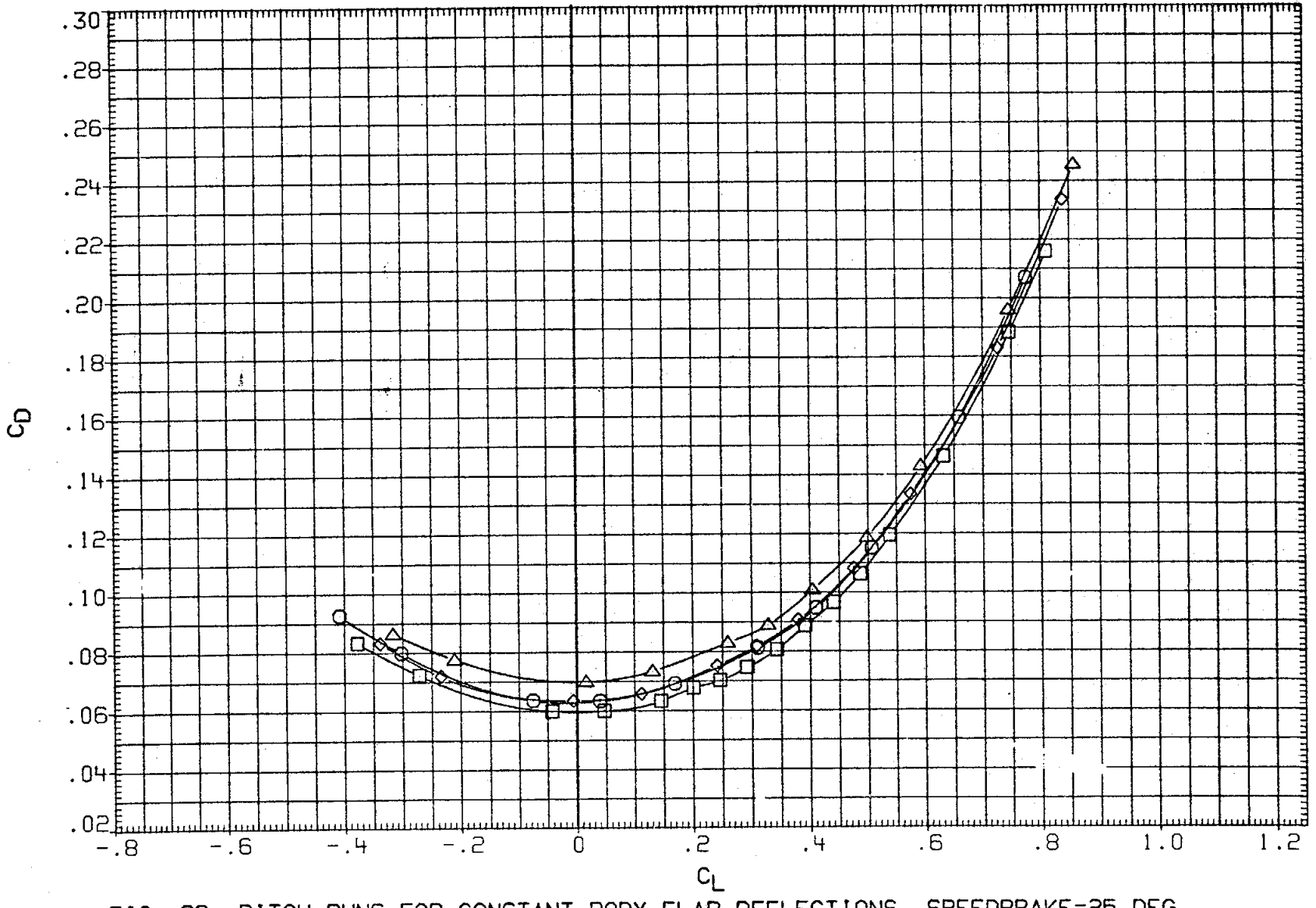


FIG. 22 PITCH RUNS FOR CONSTANT BODY FLAP DEFLECTIONS, SPEEDBRAKE=25 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RN/L	RUDDER
R2Q049	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	-11.700	25.000	5.000	.000
R2Q001	□	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	25.000	5.000	.000
R2Q050	◇	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	16.300	25.000	5.000	.000
R2Q051	△	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	22.500	25.000	5.000	.000

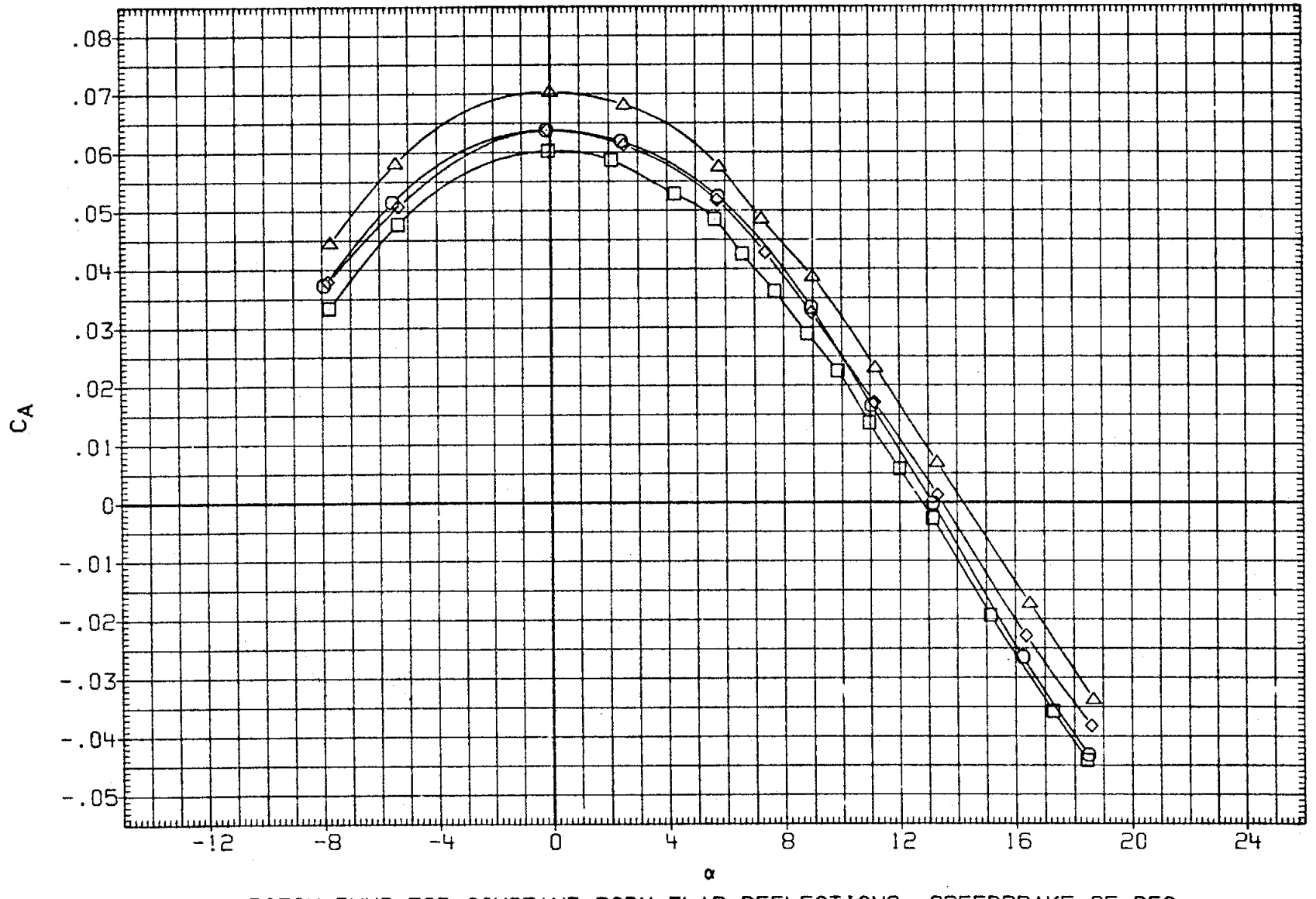


FIG. 22 PITCH RUNS FOR CONSTANT BODY FLAP DEFLECTIONS, SPEEDBRAKE=25 DEG.

(A)MACH = .25

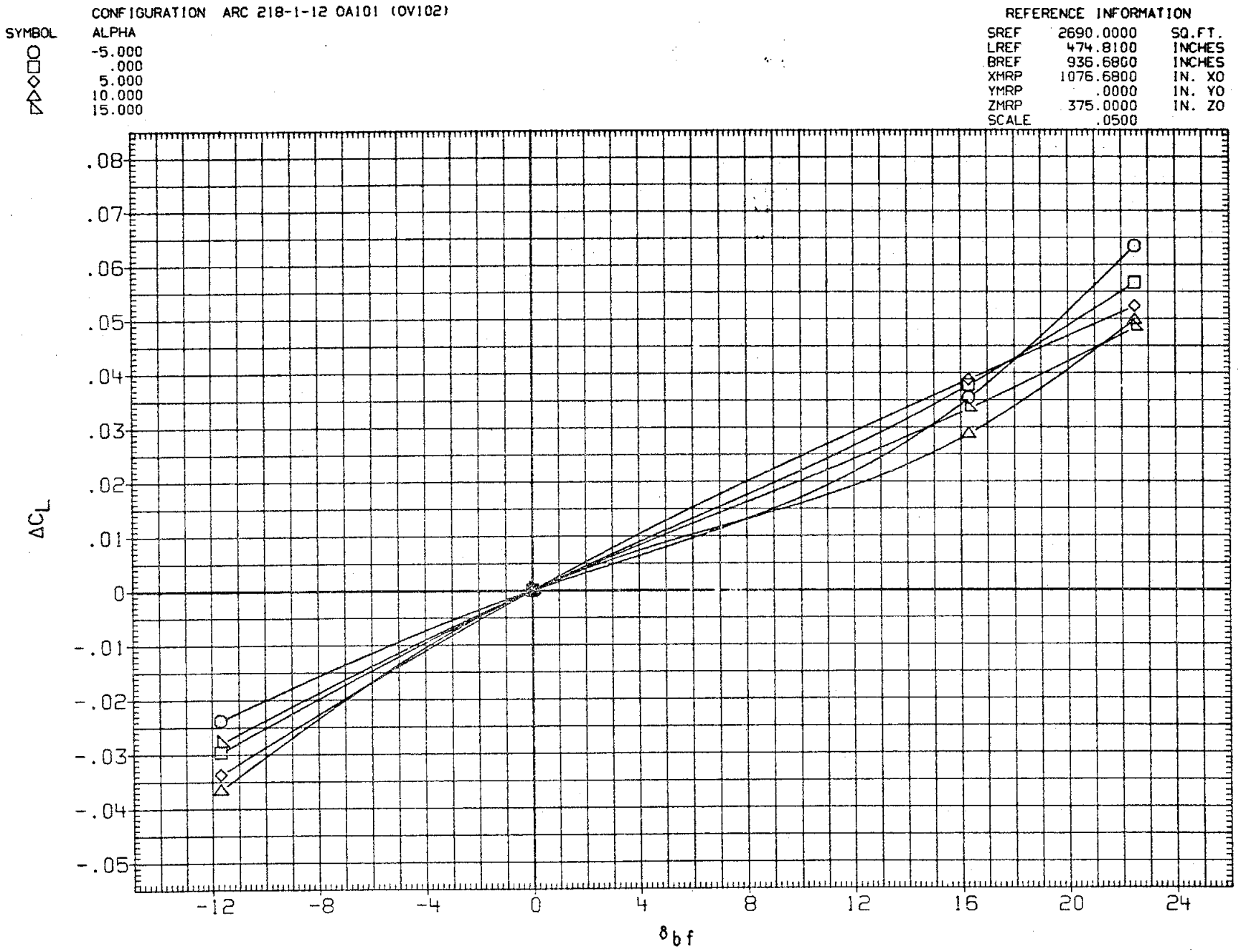


FIG. 23 BODY FLAP INCREMENTAL EFFECTIVENESS LONGITUDINALLY, SPEEDBRAKE=25 DEG.

(A)MACH = .25

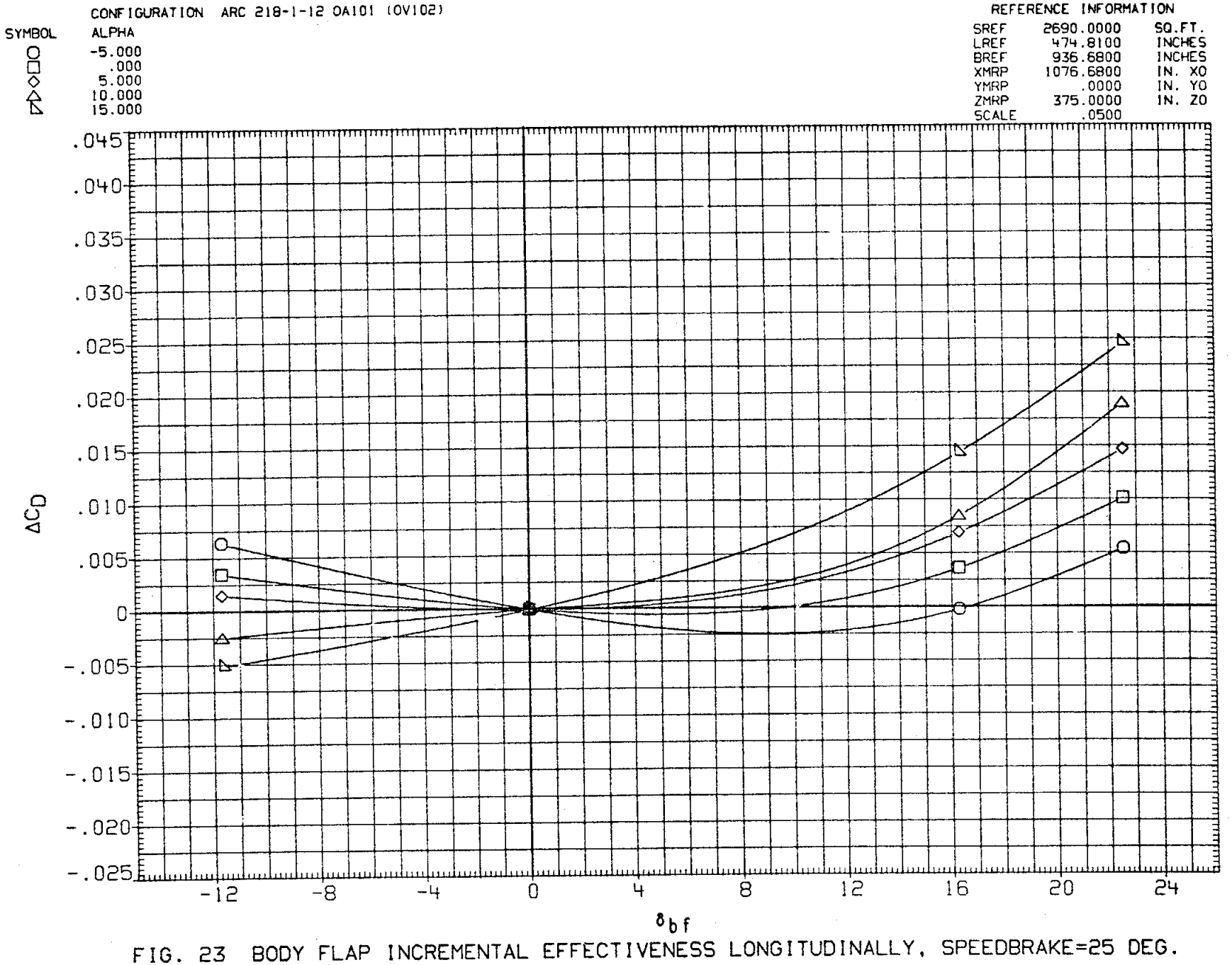


FIG. 23 BODY FLAP INCREMENTAL EFFECTIVENESS LONGITUDINALLY, SPEEDBRAKE=25 DEG.

(A)MACH = .25

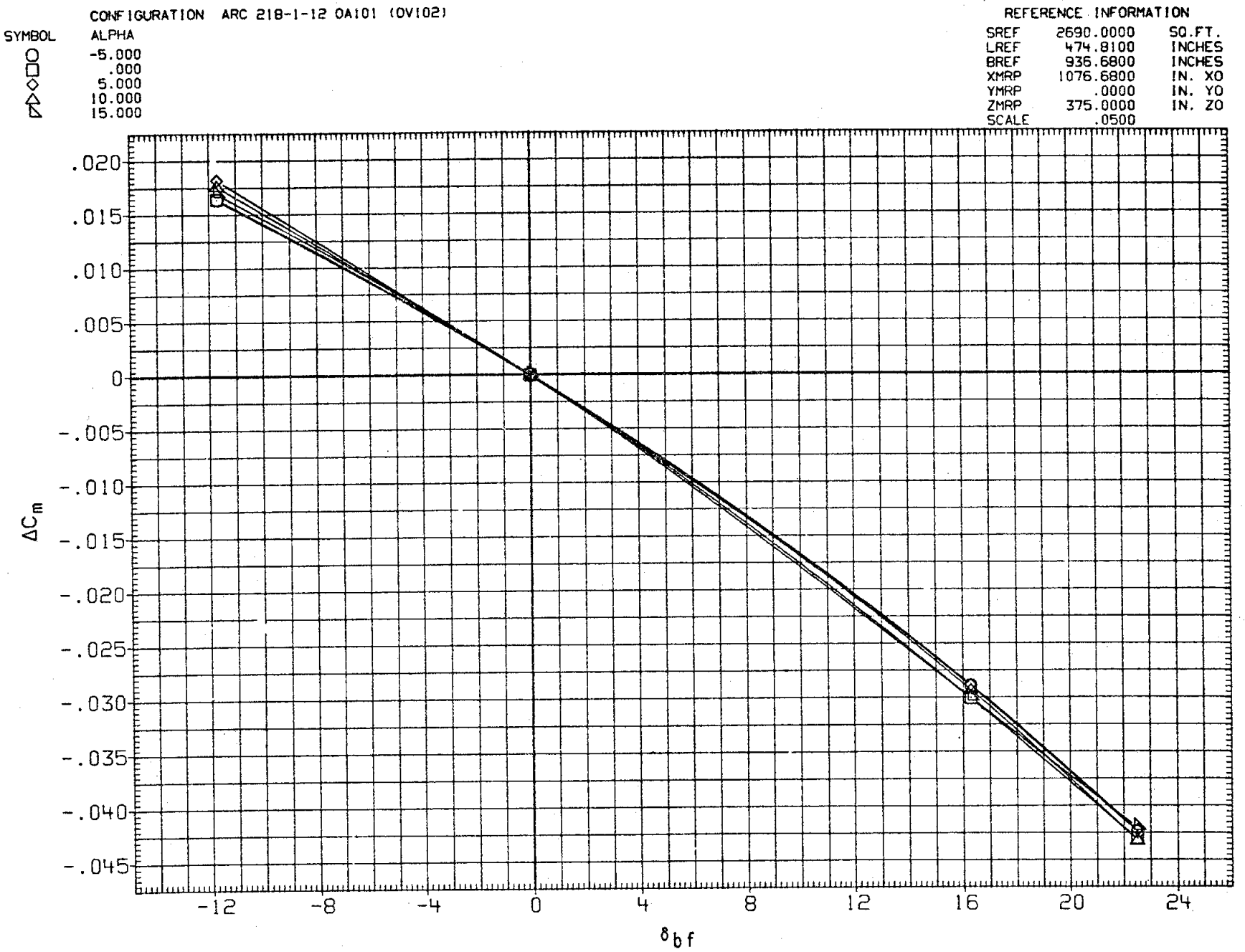


FIG. 23 BODY FLAP INCREMENTAL EFFECTIVENESS LONGITUDINALLY, SPEEDBRAKE=25 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q0C9	○	ARC 218-1-12 OA101 (OV102)
R2Q014	□	ARC 218-1-12 OA101 (OV102)
R2Q0D0	◇	ARC 218-1-12 OA101 (OV102)

ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
5.000	.000	.000	16.300	25.000	5.000	.000
5.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	-11.700	25.000	5.000	.000

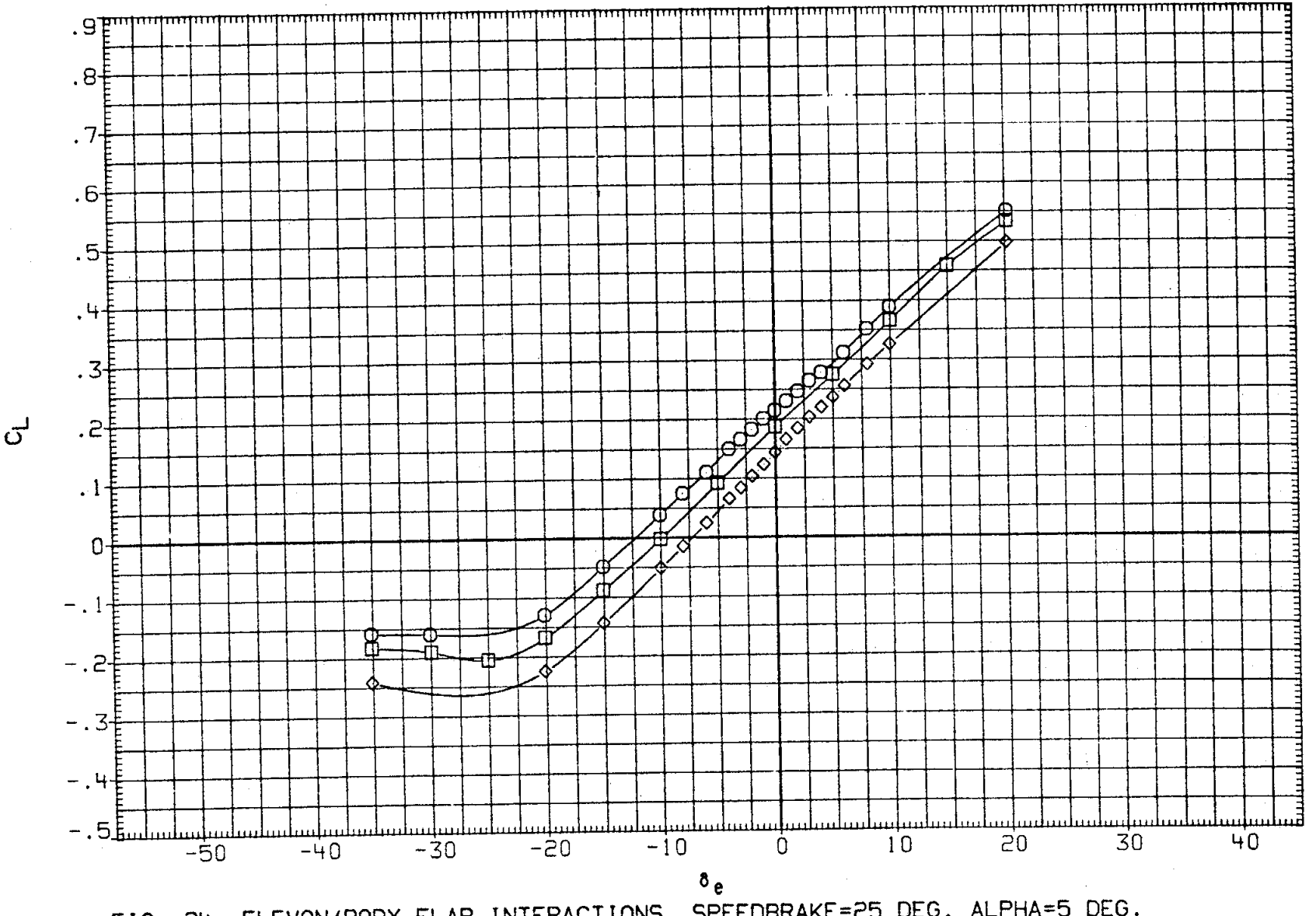


FIG. 24 ELEVON/BODY FLAP INTERACTIONS, SPEEDBRAKE=25 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0C9	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	16.300	25.000	5.000	.000
R2Q014	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q0D0	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	-11.700	25.000	5.000	.000

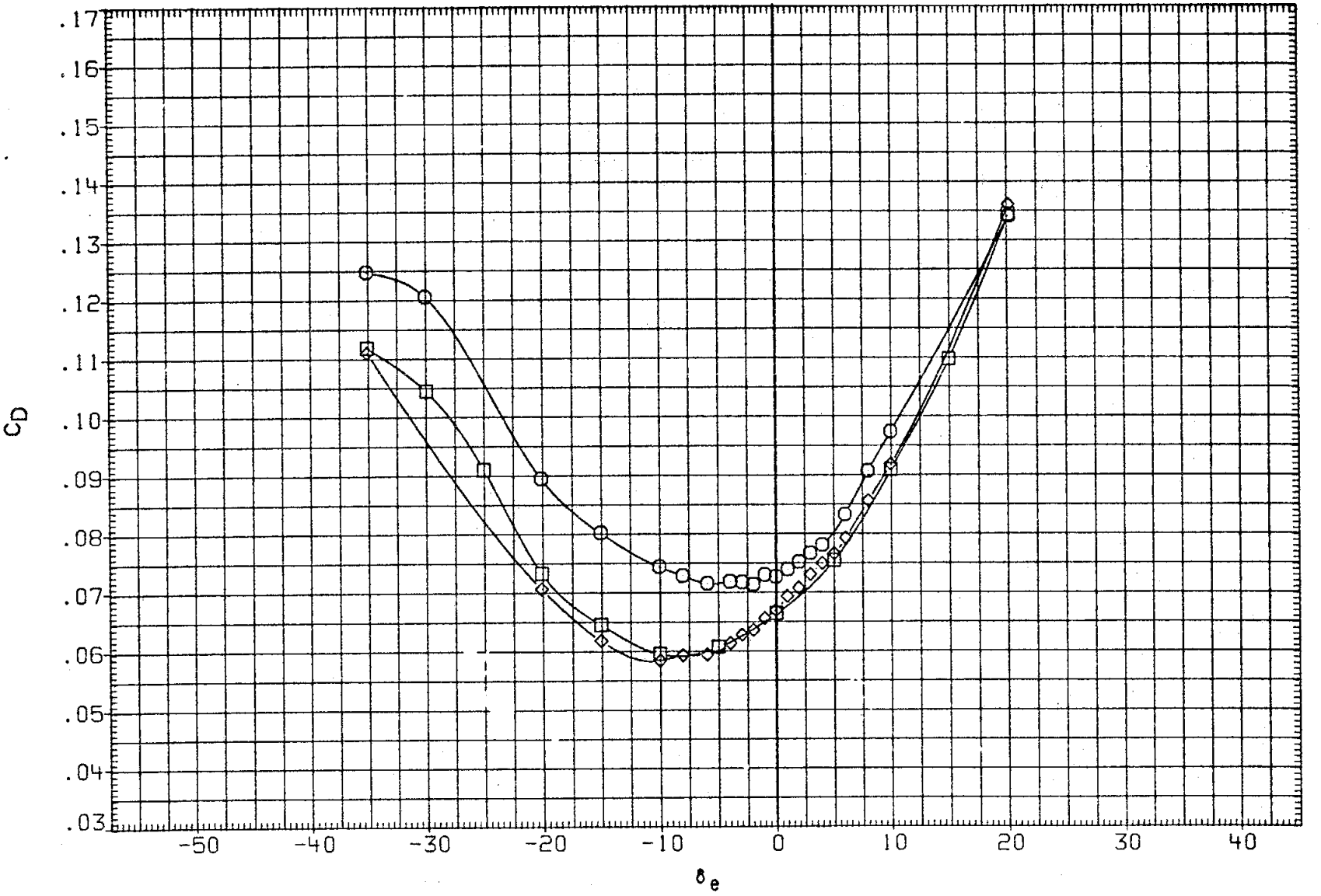


FIG. 24 ELEVON/BODY FLAP INTERACTIONS, SPEEDBRAKE=25 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0C9	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	16.300	25.000	5.000	.000
R2Q014	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q0D0	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	-11.700	25.000	5.000	.000

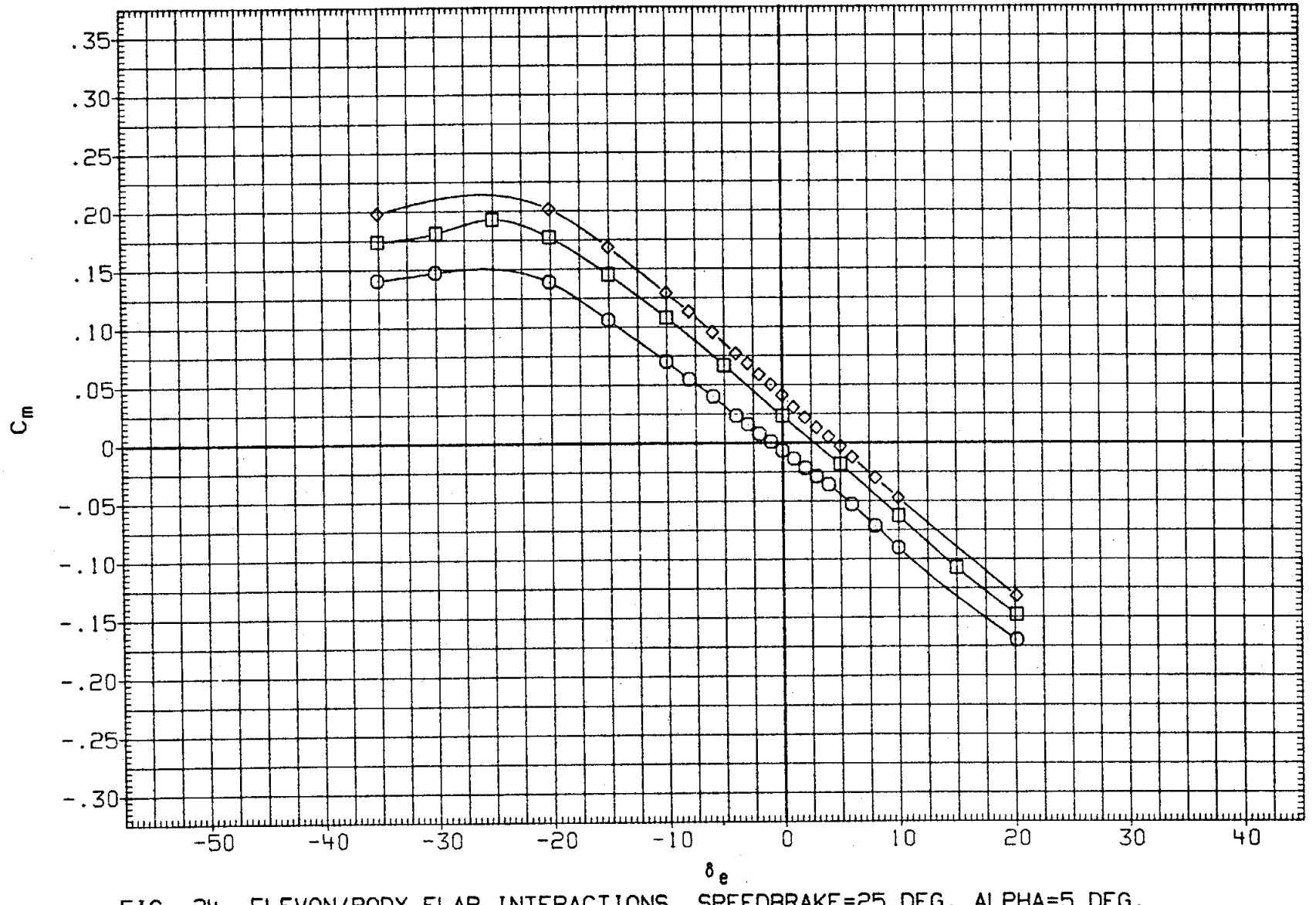


FIG. 24 ELEVON/BODY FLAP INTERACTIONS, SPEEDBRAKE=25 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
R2Q0D1	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	5.000	.000	25.000	5.000	.000
R2Q053	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q0D2	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	-5.000	.000	25.000	5.000	.000

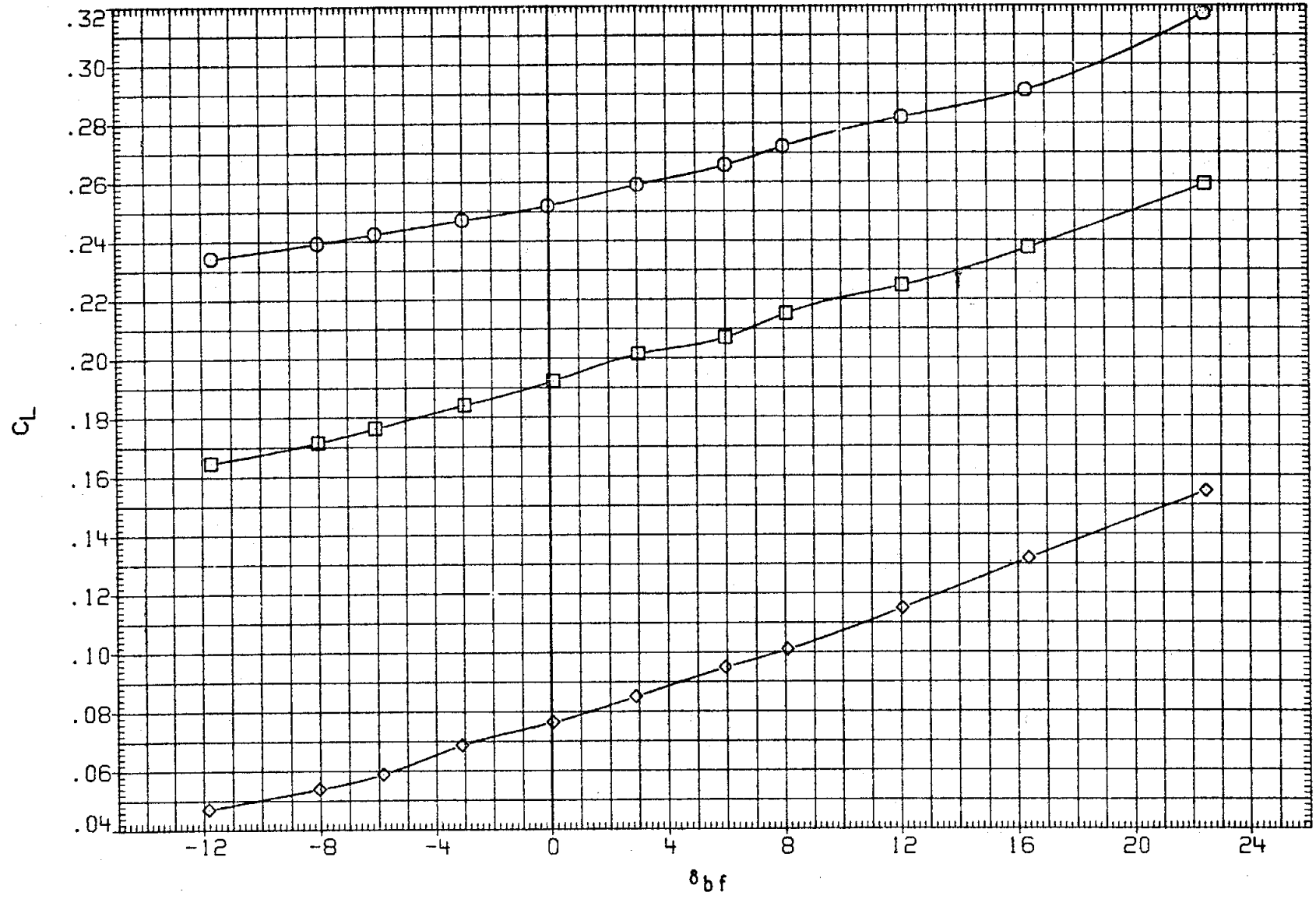


FIG. 25 ELEVON/BODY FLAP INTERACTIONS, SPEEDBRAKE=25 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q0D1	○	ARC 218-1-12 0A101 (0V102)
R2Q053	□	ARC 218-1-12 0A101 (0V102)
R2Q0D2	◇	ARC 218-1-12 0A101 (0V102)

ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
5.000	.000	5.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	-5.000	.000	25.000	5.000	.000

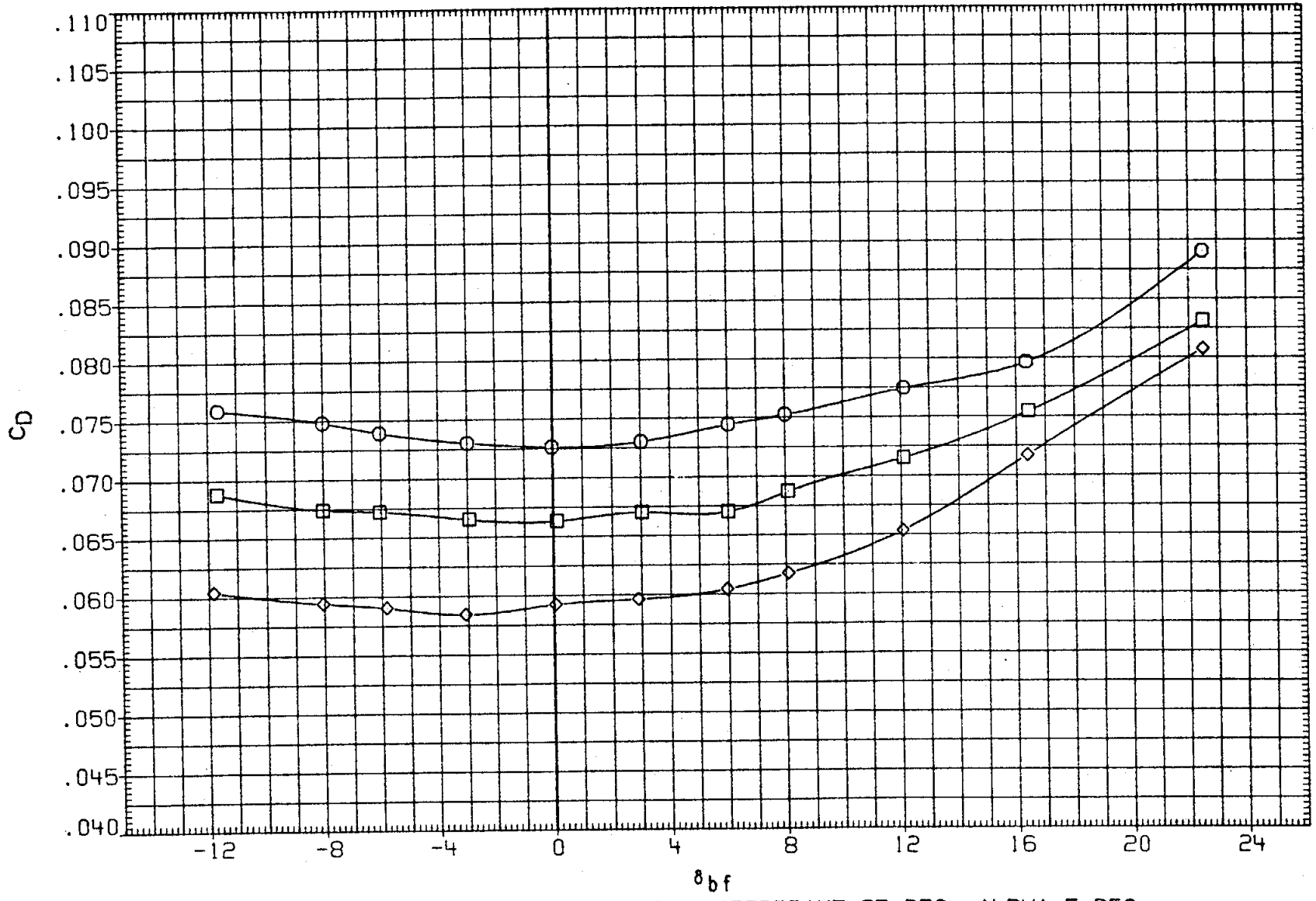


FIG. 25 ELEVON/BODY FLAP INTERACTIONS, SPEEDBRAKE=25 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
R2Q0D1	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	5.000	.000	25.000	5.000	.000
R2Q053	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q0D2	◇	ARC 218-1-12 OA101 (OV102)	5.000	.000	-5.000	.000	25.000	5.000	.000

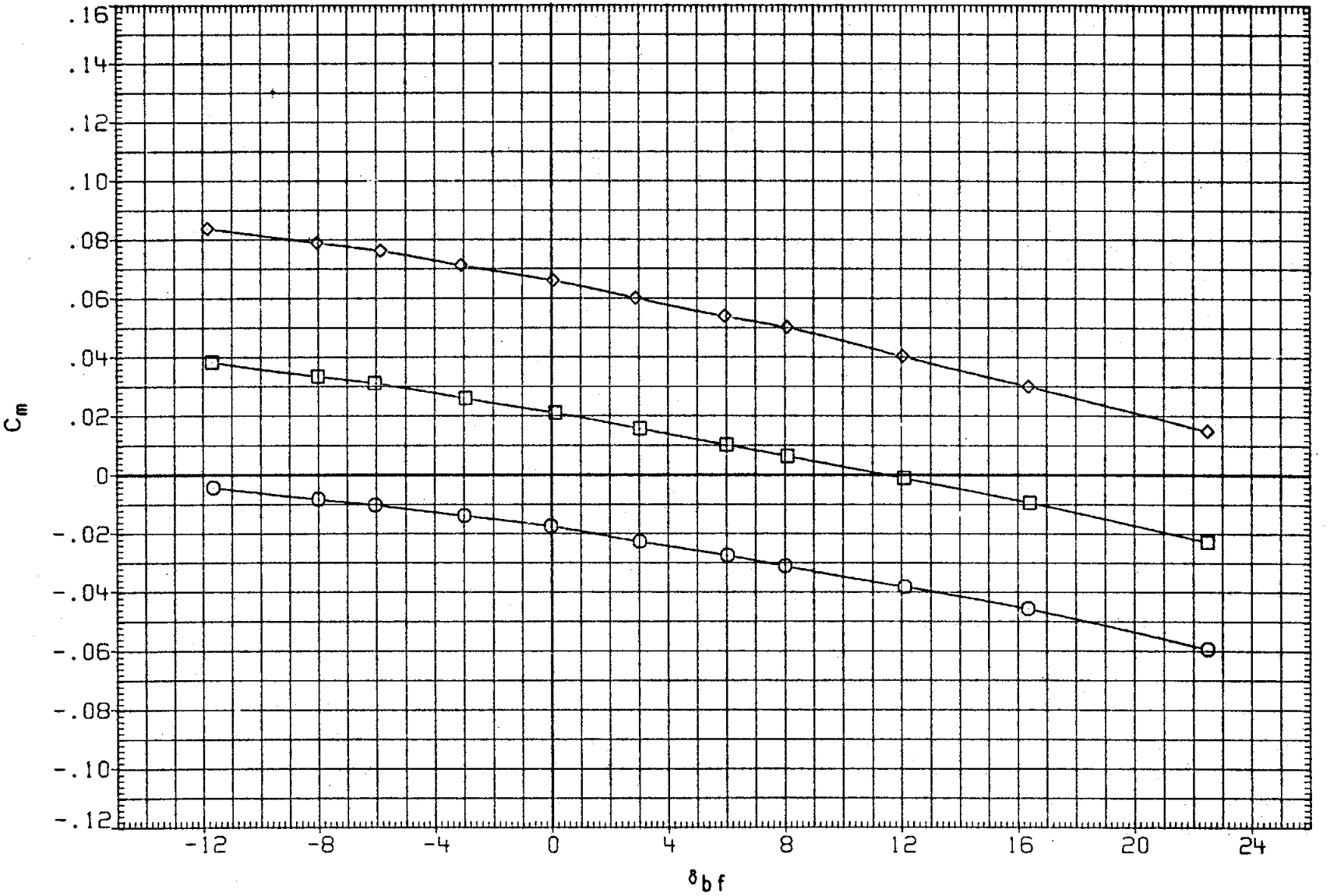


FIG. 25 ELEVON/BODY FLAP INTERACTIONS, SPEEDBRAKE=25 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELV-OB	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0E0	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	-5.000	.000	.000	25.000	5.000	.000
R2Q0D8	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	25.000	5.000	.000
R2Q0D9	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	5.000	.000	.000	25.000	5.000	.000

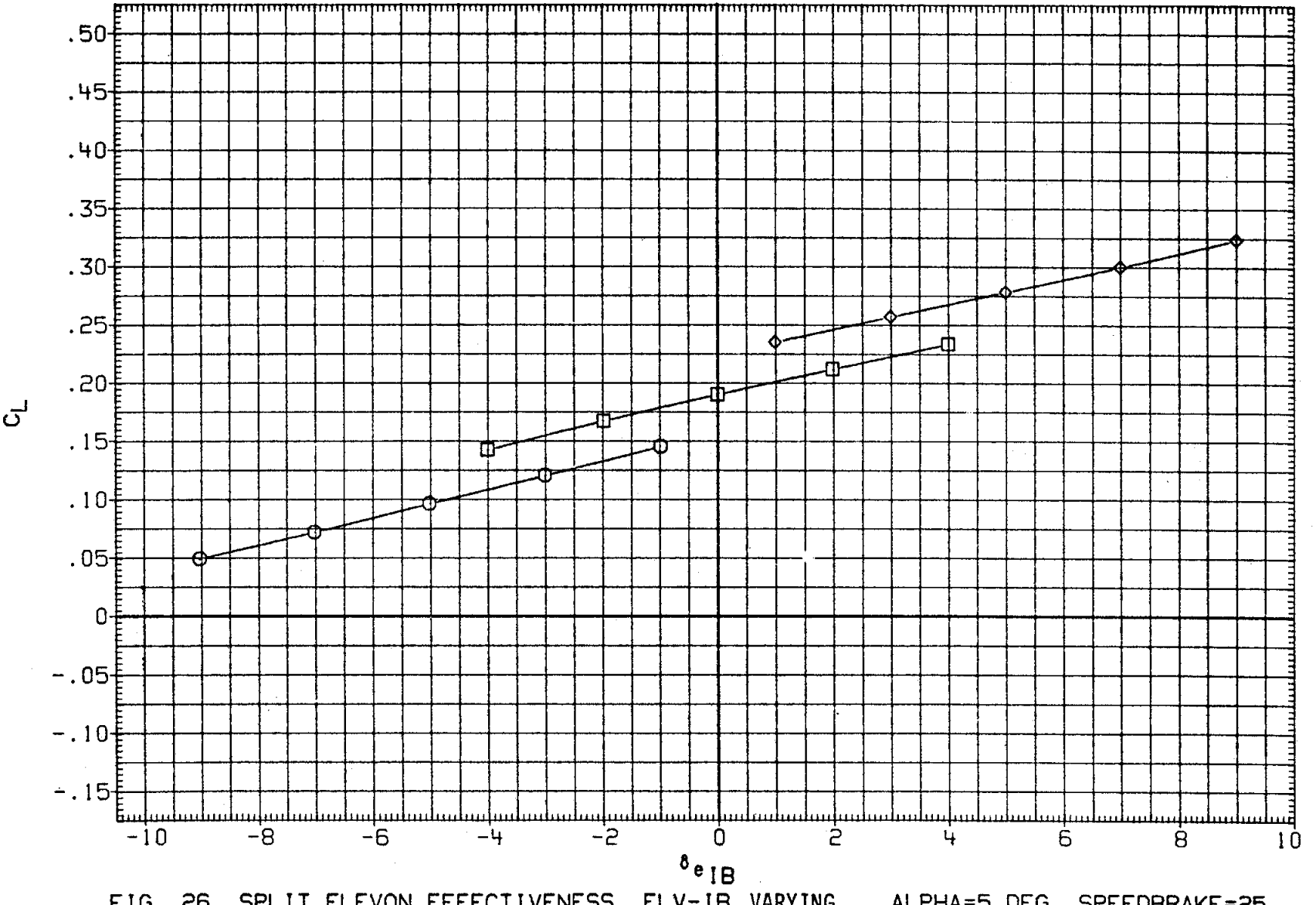


FIG. 26 SPLIT ELEVON EFFECTIVENESS, ELV-IB VARYING ALPHA=5 DEG, SPEEDBRAKE=25

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q0E0	○	ARC 218-1-12 0A101 (0V102)
R2Q0D8	□	ARC 218-1-12 0A101 (0V102)
R2Q0D9	◇	ARC 218-1-12 0A101 (0V102)

ALPHA	BETA	ELV-OB	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
5.000	.000	-5.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	5.000	.000	.000	25.000	5.000	.000

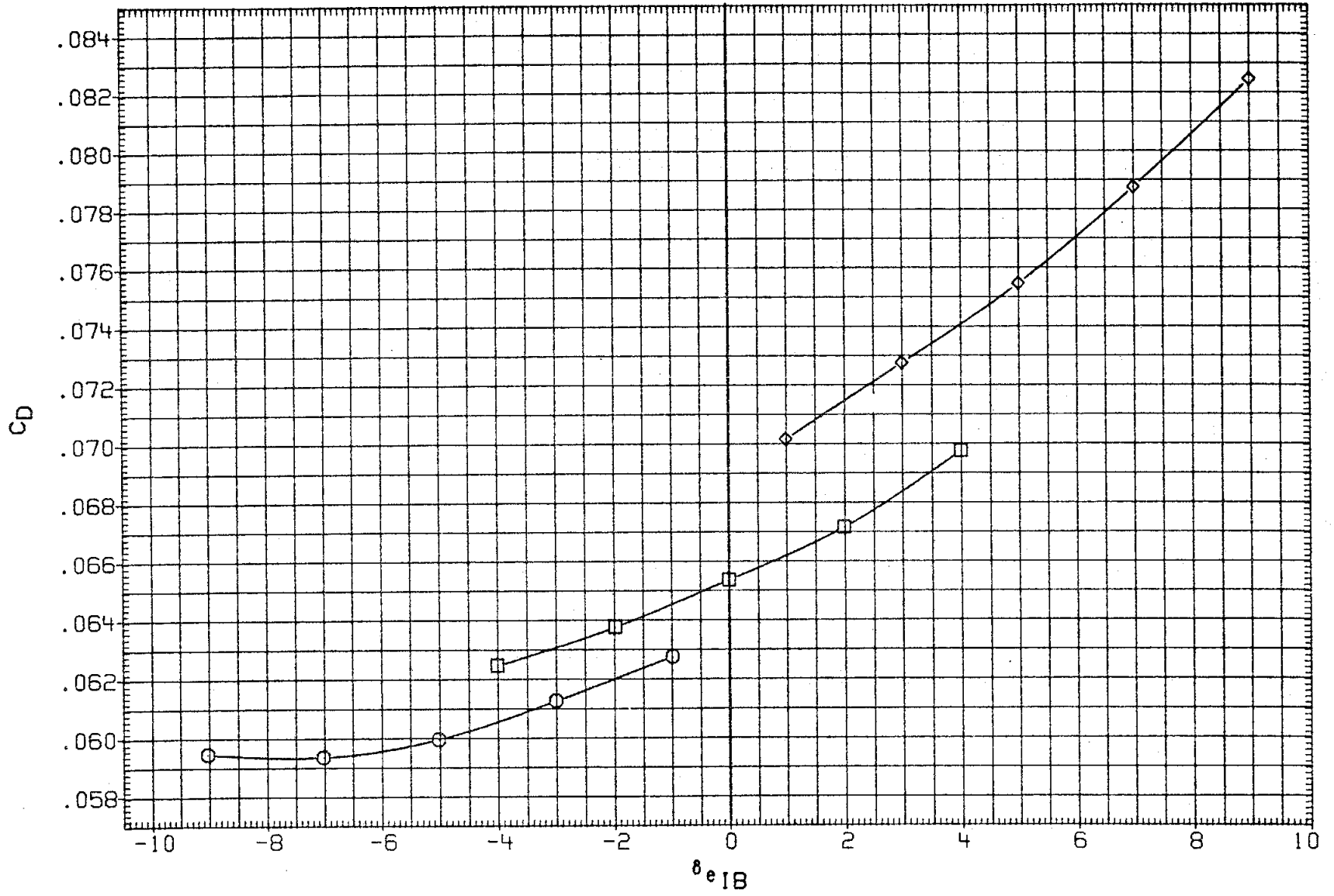


FIG. 26 SPLIT ELEVON EFFECTIVENESS, ELV-IB VARYING ALPHA=5 DEG, SPEEDBRAKE=25

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELV-OB	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0E0	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	-5.000	.000	.000	25.000	5.000	.000
R2Q0D8	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	25.000	5.000	.000
R2Q0D9	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	5.000	.000	.000	25.000	5.000	.000

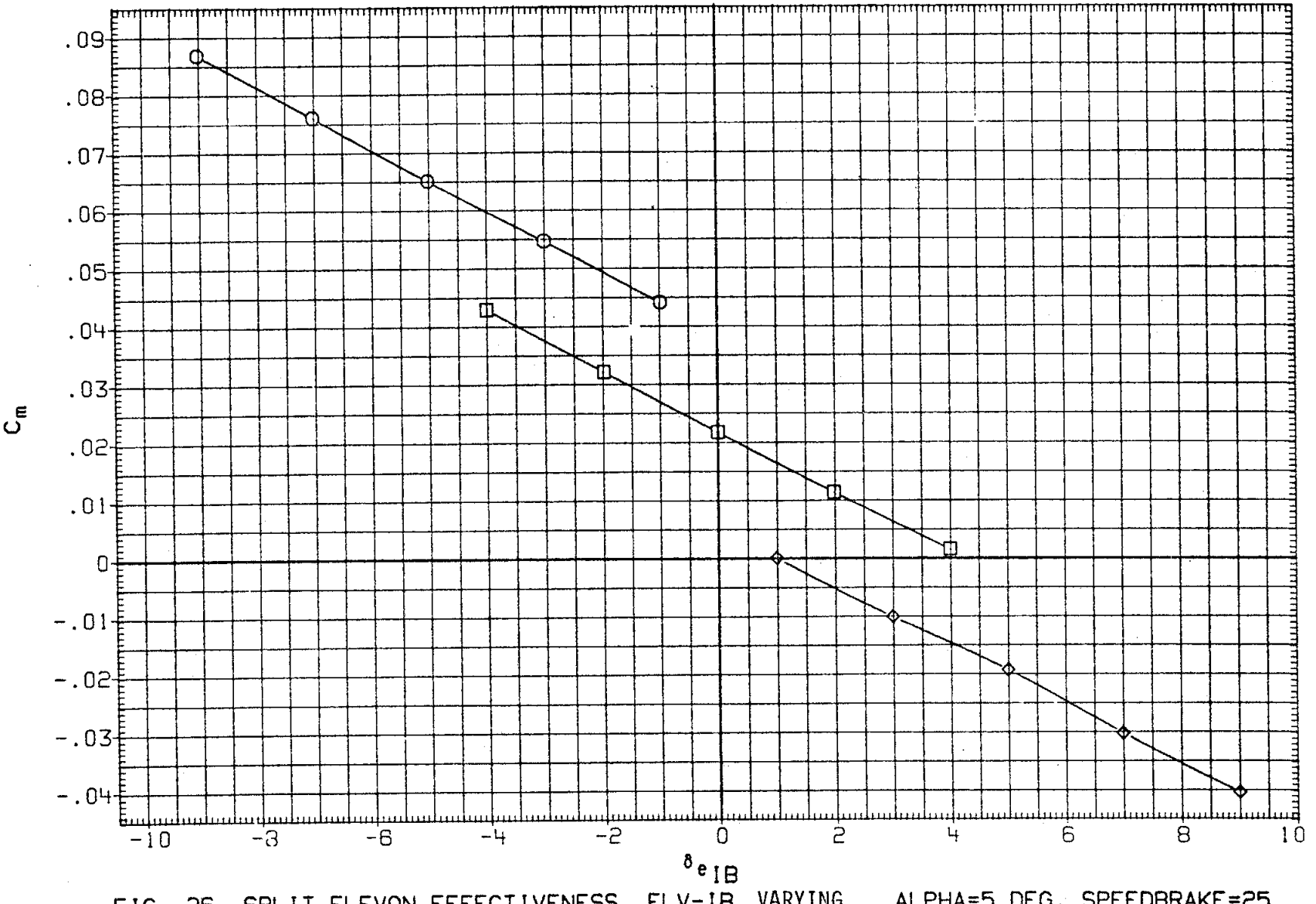


FIG. 26 SPLIT ELEVON EFFECTIVENESS, ELV-IB VARYING ALPHA=5 DEG, SPEEDBRAKE=25

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELV-IB	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0E3	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	-5.000	.000	.000	25.000	5.000	.000
R2Q0E1	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	25.000	5.000	.000
R2Q0E2	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	5.000	.000	.000	25.000	5.000	.000

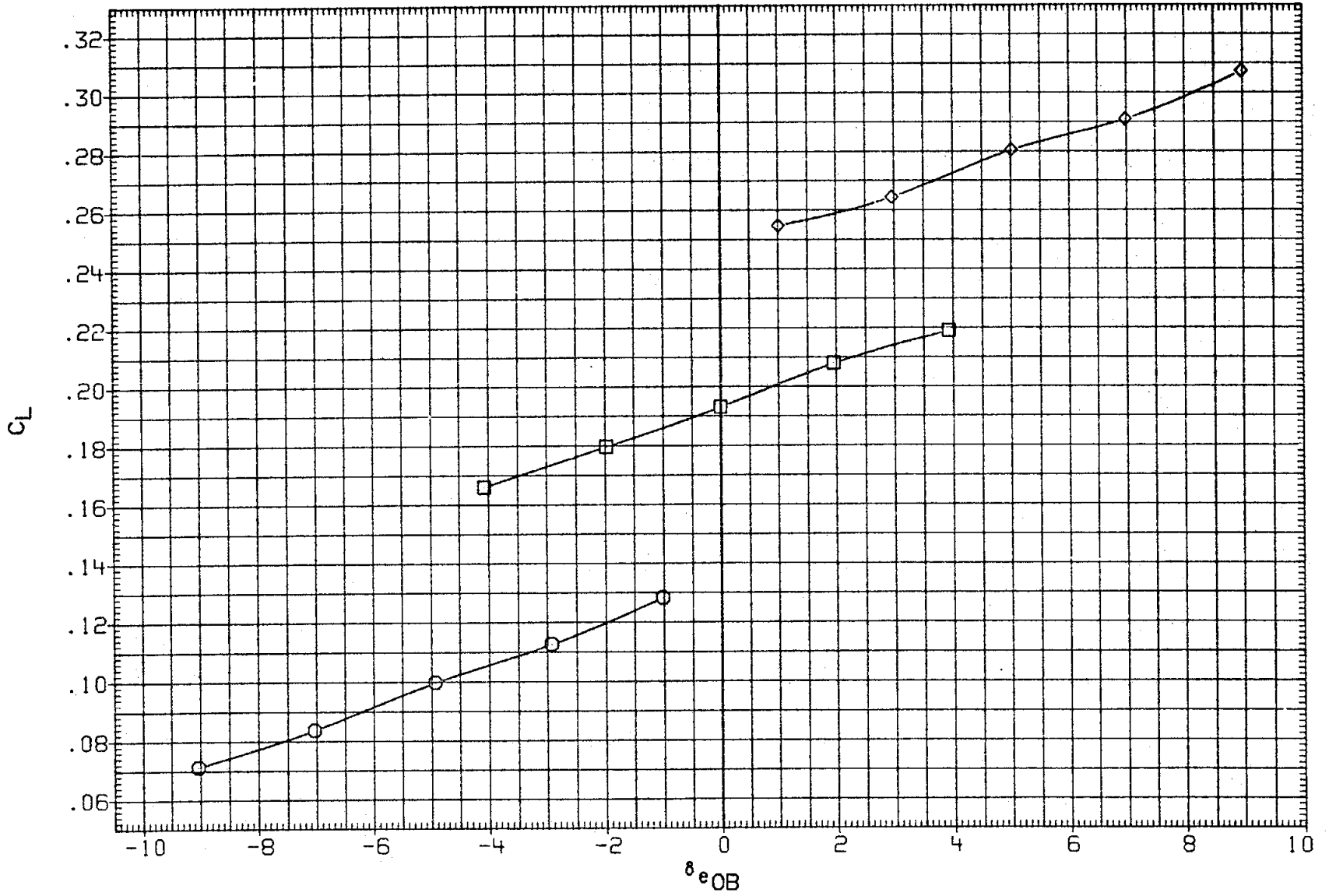


FIG. 27 SPLIT ELEVON EFFECTIVENESS, ELV-OB VARYING ALPHA=5 DEG, SPEEDBRAKE=25

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q0E3	○	ARC 218-1-12 0A101 (OV102)
R2Q0E1	□	ARC 218-1-12 0A101 (OV102)
R2Q0E2	◇	ARC 218-1-12 0A101 (OV102)

ALPHA	BETA	ELV-IB	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
5.000	.000	-5.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	5.000	.000	.000	25.000	5.000	.000

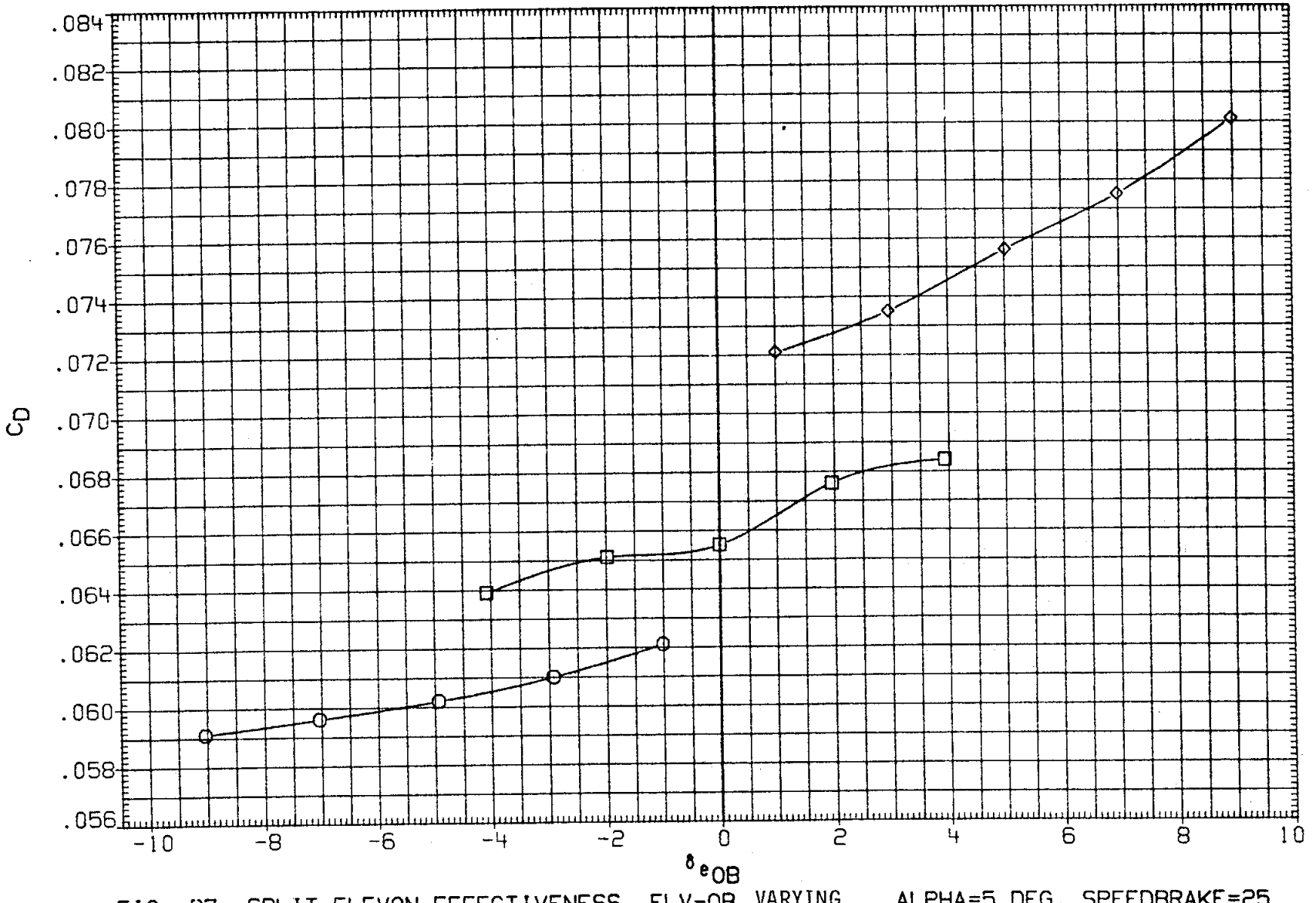


FIG. 27 SPLIT ELEVON EFFECTIVENESS, ELV-OB VARYING ALPHA=5 DEG, SPEEDBRAKE=25

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q0E3	○	ARC 218-1-12 0A101 (0V102)
R2Q0E1	□	ARC 218-1-12 0A101 (0V102)
R2Q0E2	◇	ARC 218-1-12 0A101 (0V102)

ALPHA	BETA	ELV-IB	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
5.000	.000	-5.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	5.000	.000	.000	25.000	5.000	.000

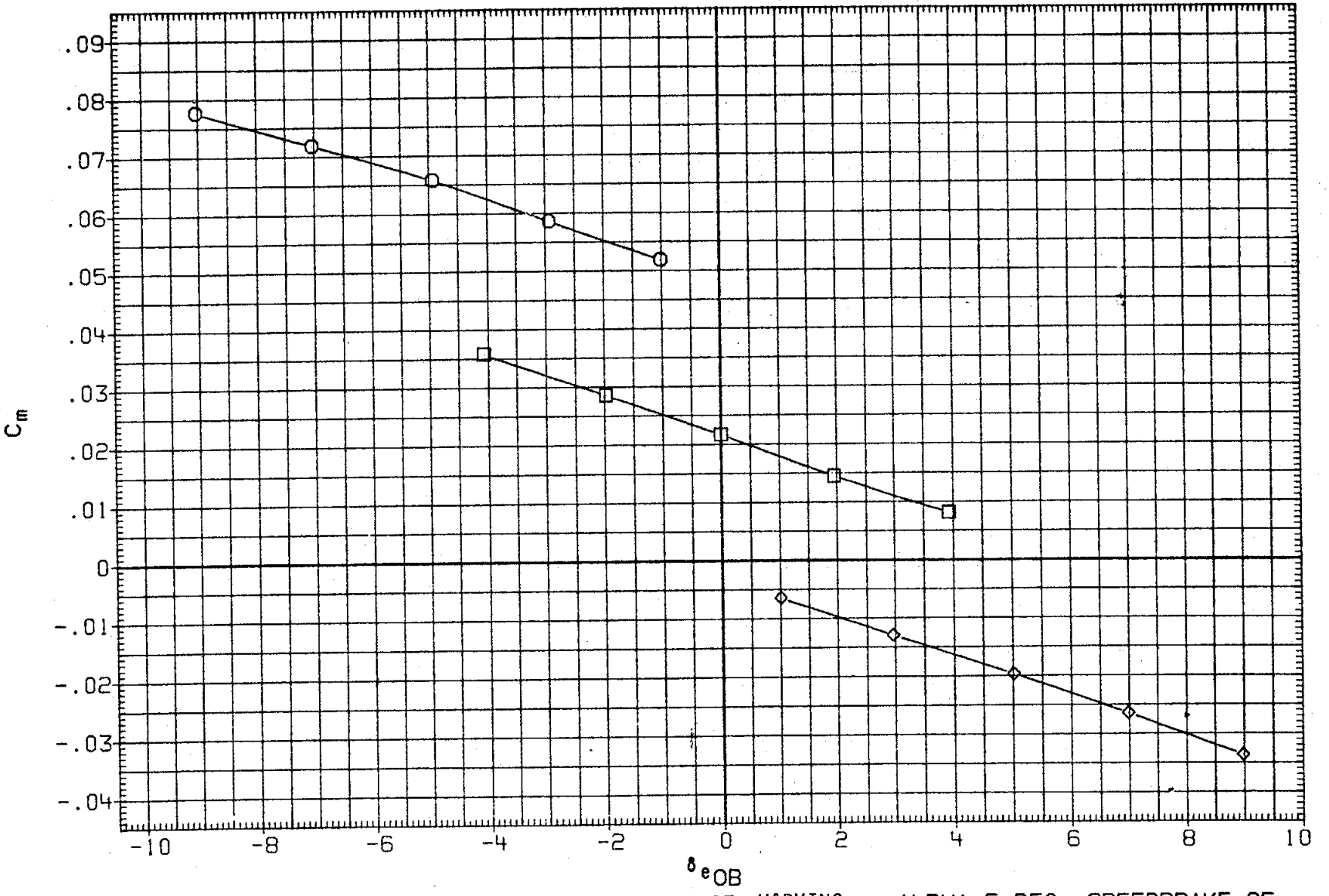


FIG. 27 SPLIT ELEVON EFFECTIVENESS, ELV-OB VARYING ALPHA=5 DEG, SPEEDBRAKE=25

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	RUDDER	BDFLAP	SPDBRK	RN/L
R2Q0E6	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	-5.000	.000	.000	25.000	5.000
R2Q0E4	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	25.000	5.000
R2Q0E5	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	5.000	.000	.000	25.000	5.000

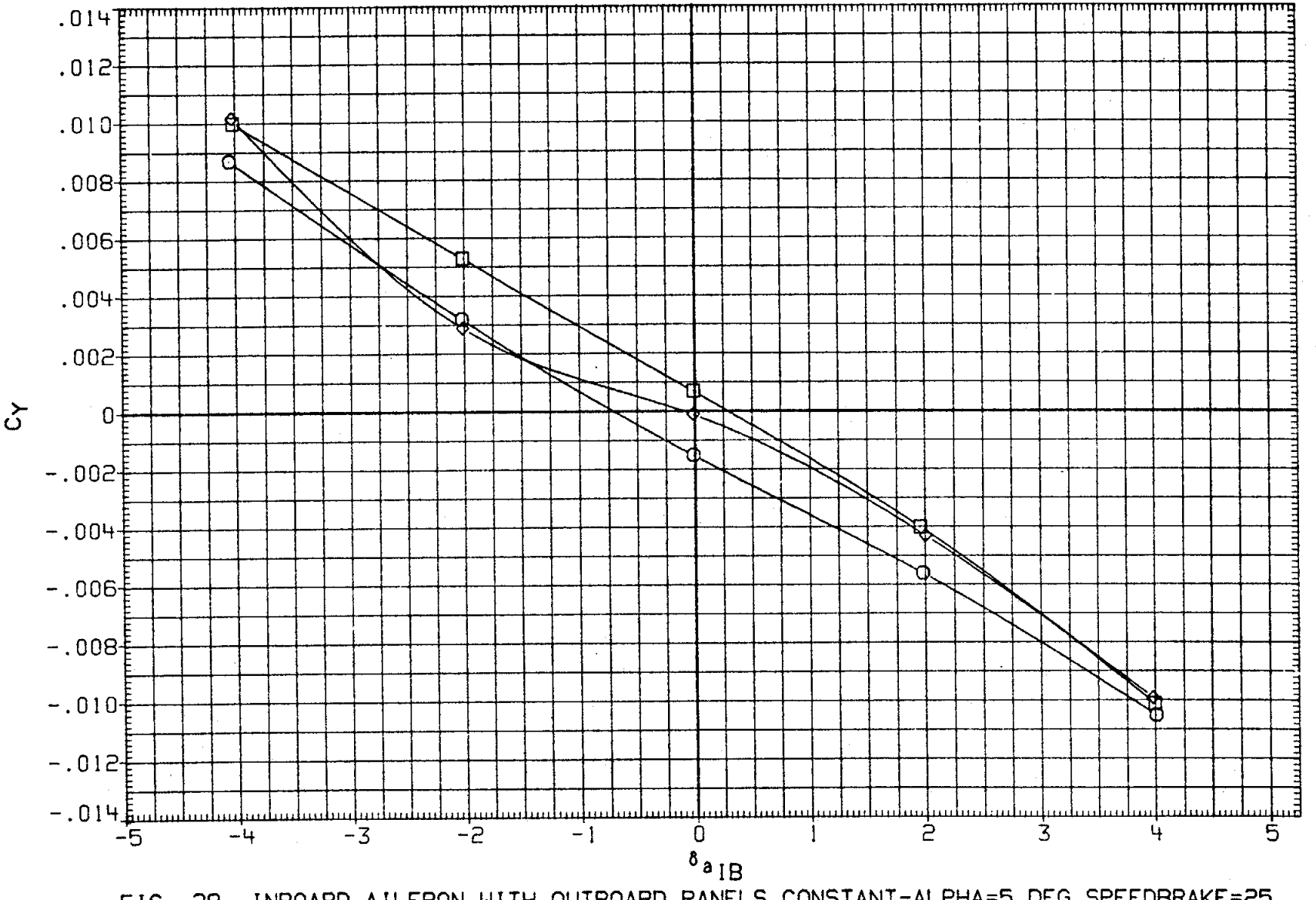


FIG. 28 INBOARD AILERON WITH OUTBOARD PANELS CONSTANT-ALPHA=5 DEG, SPEEDBRAKE=25

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	RUDDER	BDFLAP	SPDBRK	RN/L
R2Q0E6	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	-5.000	.000	.000	25.000	5.000
R2Q0E4	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	25.000	5.000
R2Q0E5	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	5.000	.000	.000	25.000	5.000

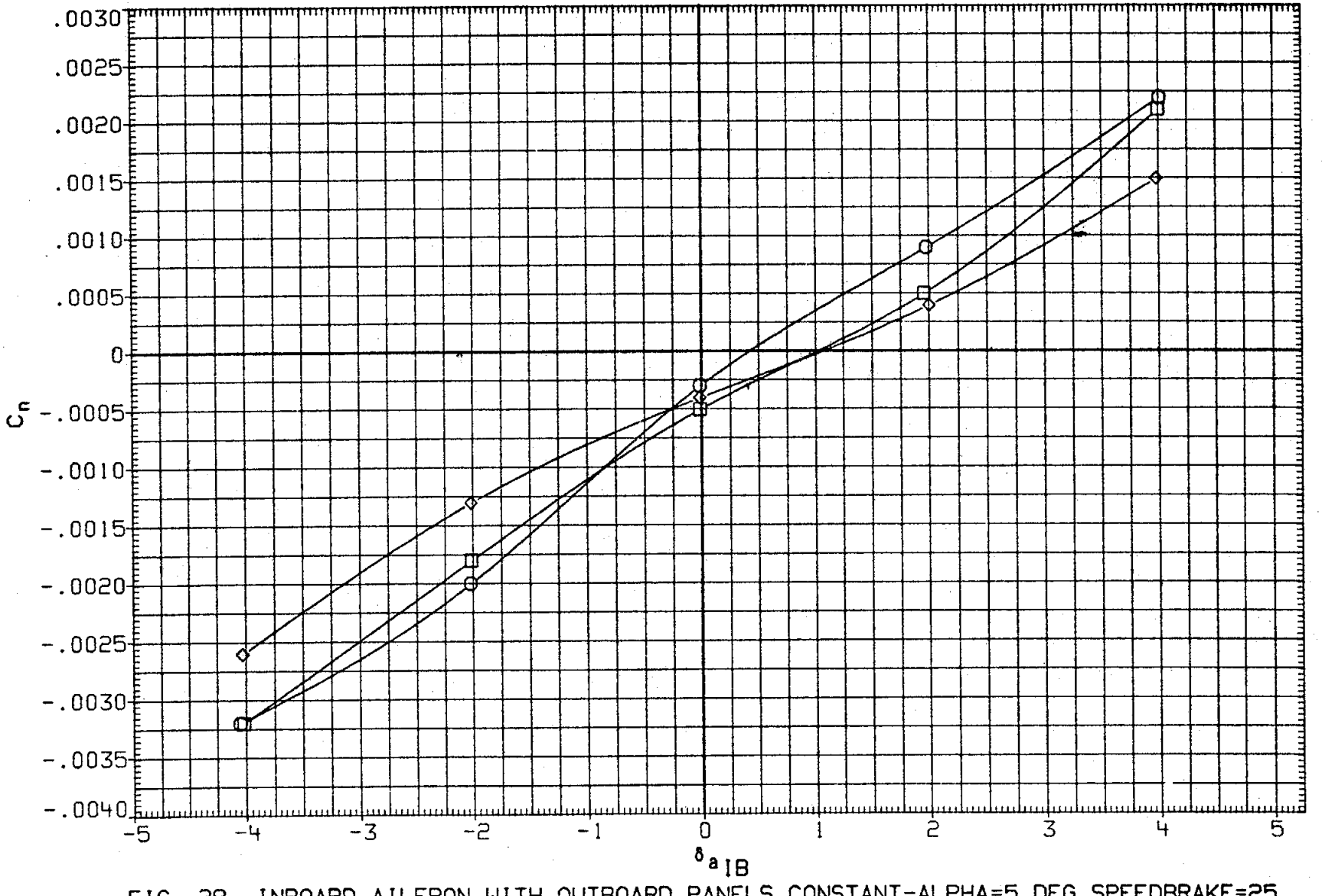


FIG. 28 INBOARD AILERON WITH OUTBOARD PANELS CONSTANT-ALPHA=5 DEG,SPEEDBRAKE=25

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q0E6	○	ARC 218-1-12 0A101 (0V102)
R2Q0E4	□	ARC 218-1-12 0A101 (0V102)
R2Q0E5	◇	ARC 218-1-12 0A101 (0V102)

ALPHA	BETA	ELEVON	RUDDER	ODFLAP	SPDBRK	RN/L
5.000	.000	-5.000	.000	.000	25.000	5.000
5.000	.000	.000	.000	.000	25.000	5.000
5.000	.000	5.000	.000	.000	25.000	5.000

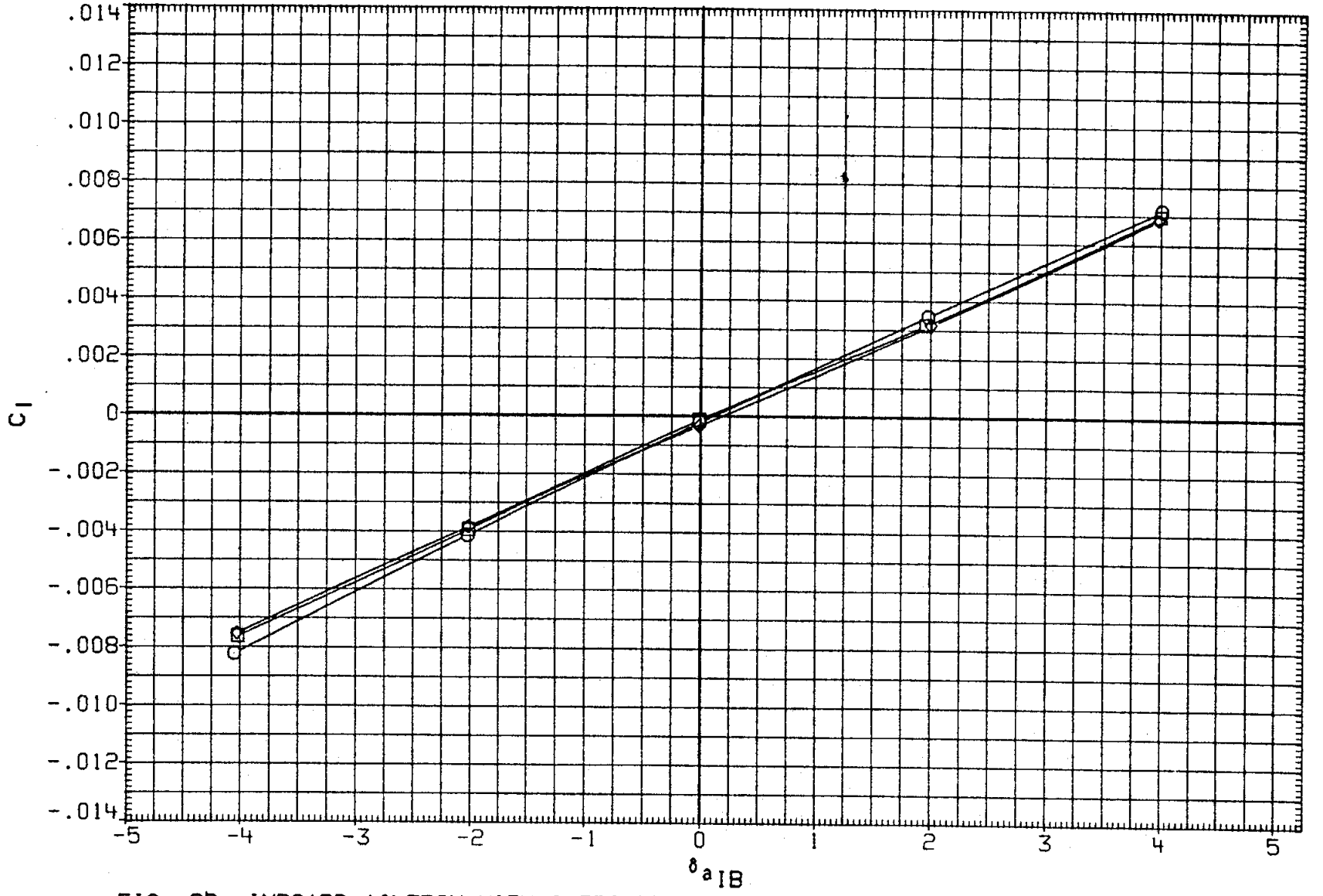


FIG. 28 INBOARD AILERON WITH OUTBOARD PANELS CONSTANT-ALPHA=5 DEG, SPEEDBRAKE=25

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	RUDDER	BDFLAP	SPDBRK	RN/L
R2Q0E9	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	-5.000	.000	.000	25.000	5.000
R2Q0E7	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	25.000	5.000
R2Q0E8	◇	ARC 218-1-12 OA101 (OV102)	5.000	.000	5.000	.000	.000	25.000	5.000

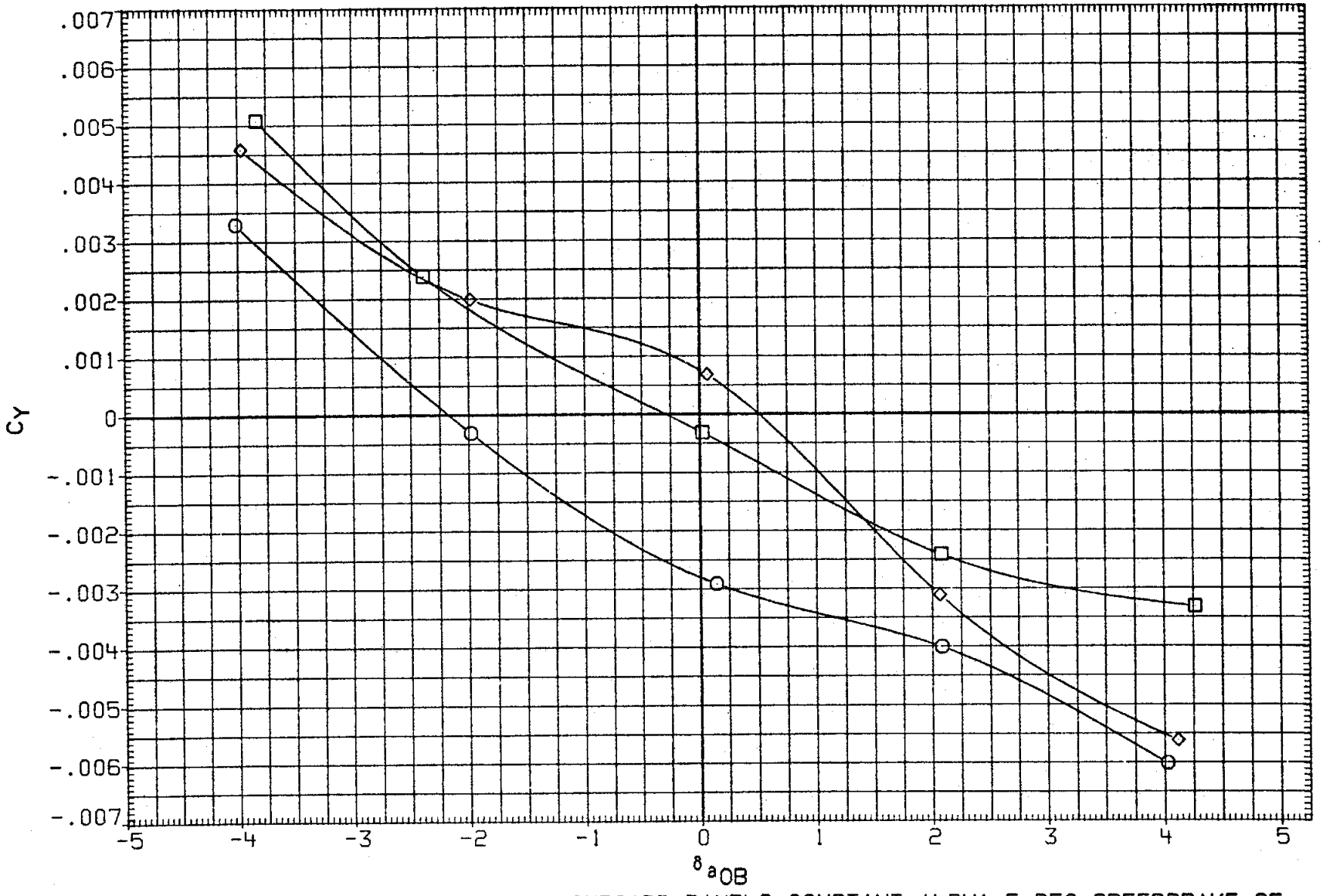


FIG. 29 OUTBOARD AILERON WITH INBOARD PANELS CONSTANT-ALPHA=5 DEG,SPEEDBRAKE=25

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	RUDDER	BDFLAP	SPDBRK	RN/L
R2Q0E9	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	-5.000	.000	.000	25.000	5.000
R2Q0E7	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	25.000	5.000
R2Q0E8	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	5.000	.000	.000	25.000	5.000

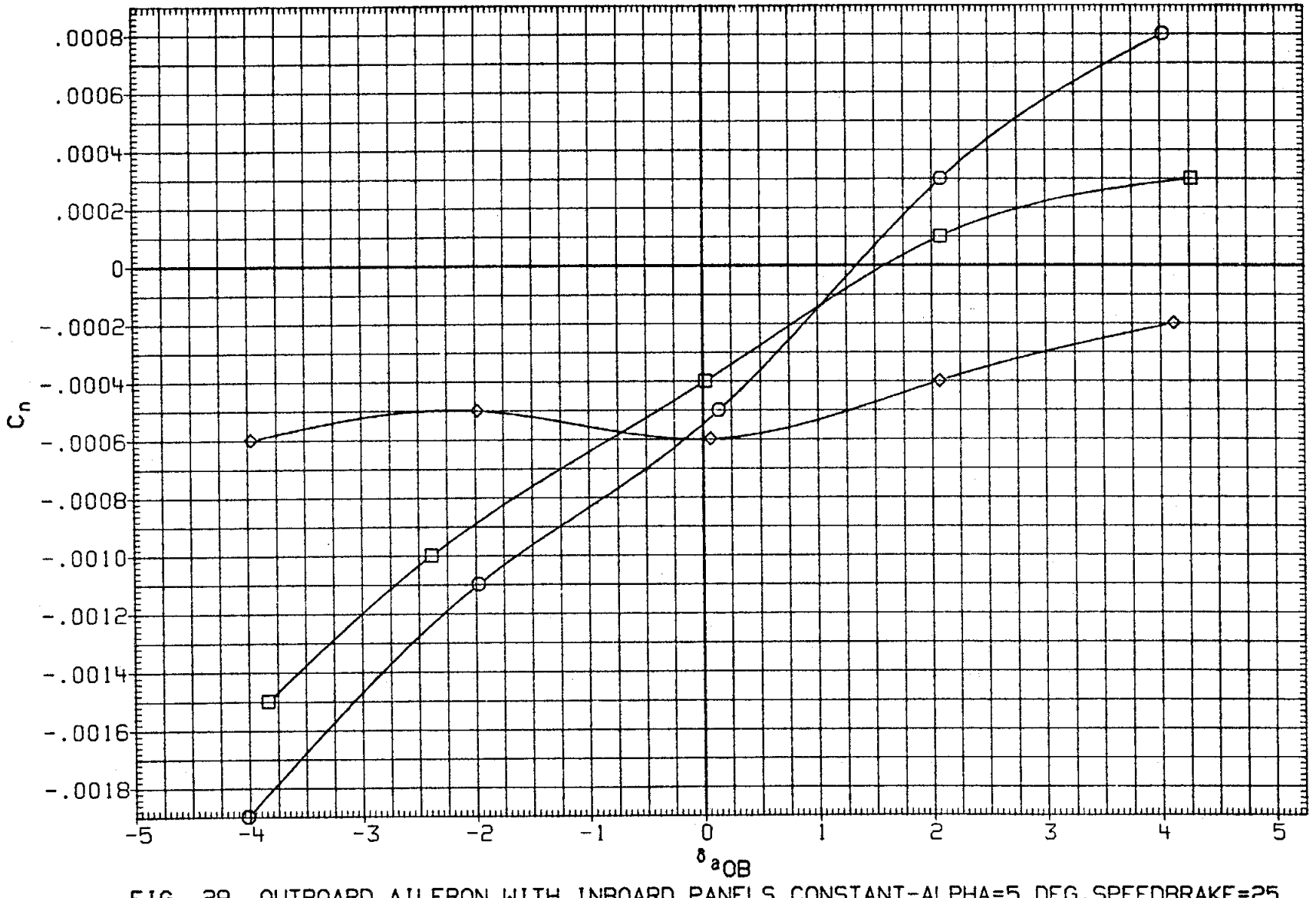


FIG. 29 OUTBOARD AILERON WITH INBOARD PANELS CONSTANT-ALPHA=5 DEG,SPEEDBRAKE=25

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	RUDDER	BDFLAP	SPDBRK	RN/L
R2Q0E9	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	-5.000	.000	.000	25.000	5.000
R2Q0E7	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	25.000	5.000
R2Q0E8	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	5.000	.000	.000	25.000	5.000

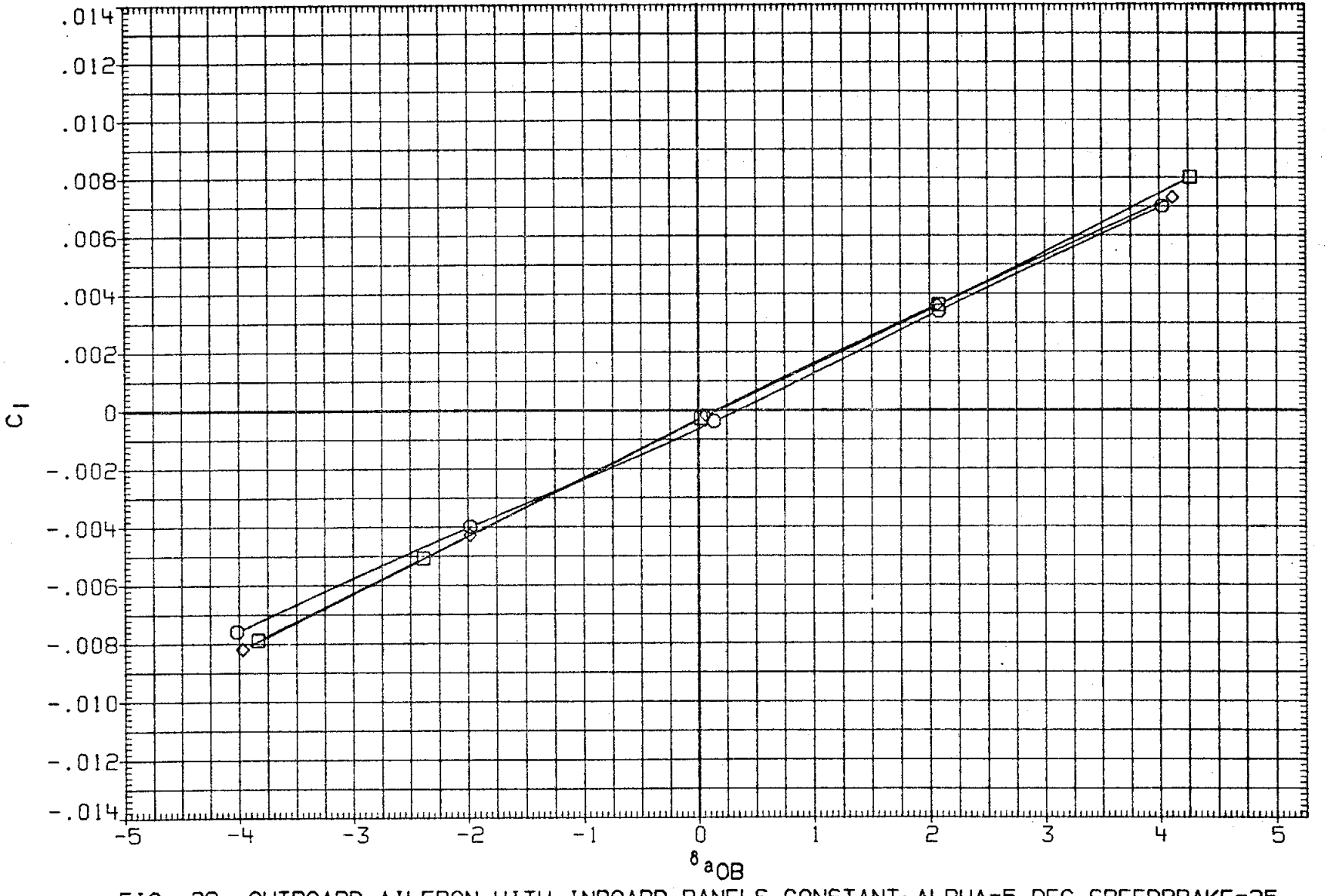


FIG. 29 OUTBOARD AILERON WITH INBOARD PANELS CONSTANT-ALPHA=5 DEG,SPEEDBRAKE=25

(A)MACH = .25

CONFIGURATION ARC 218-1-12 0A101 (0V102)

SYMBOL	MACH
○	.251

DATASET	ALPHA
I2Q0E6	5.000
I2Q0E4	5.000
I2Q0E5	5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0500	

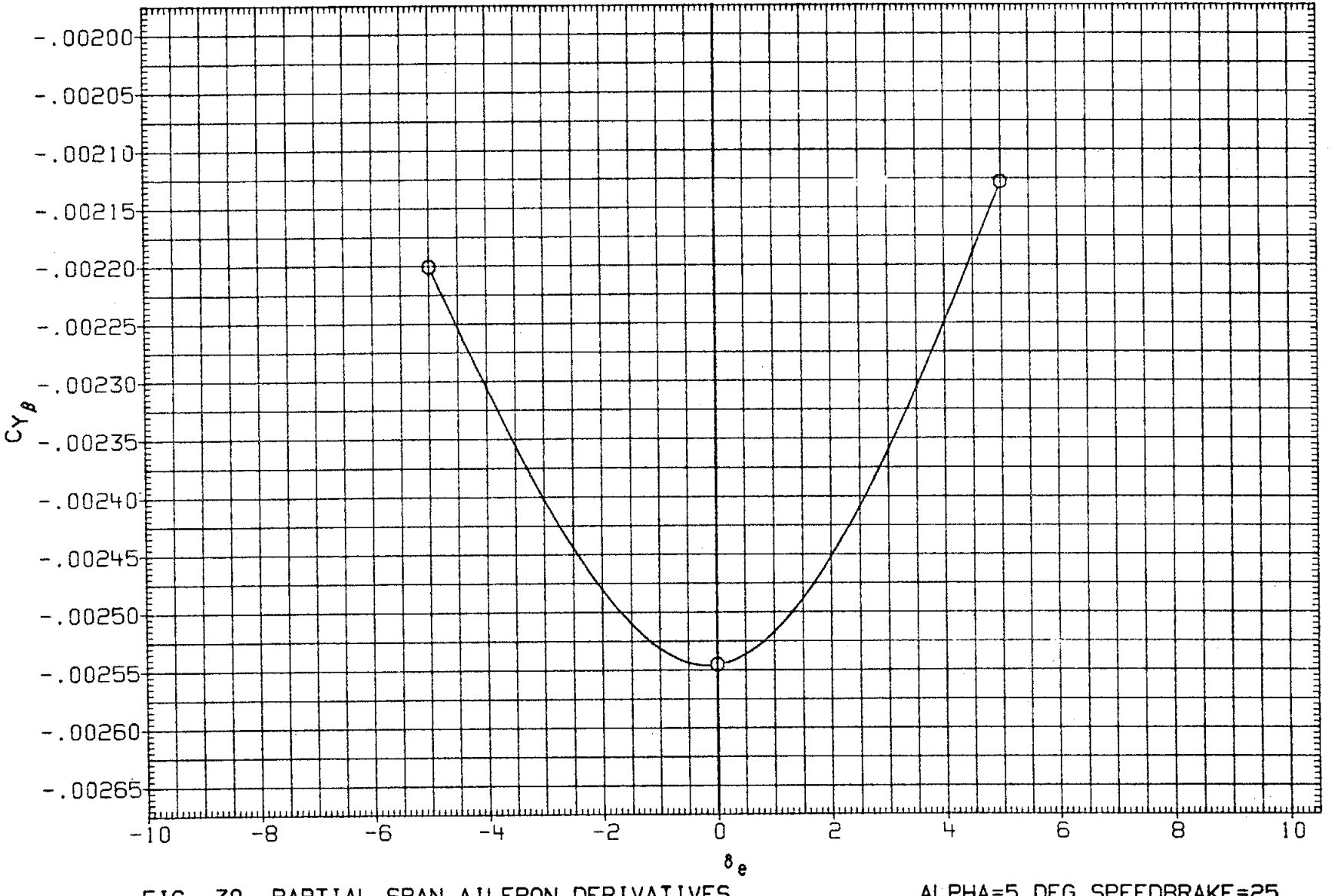


FIG. 30 PARTIAL SPAN AILERON DERIVATIVES

ALPHA=5 DEG, SPEEDBRAKE=25

CONFIGURATION ARC 218-1-12 0A101 (0V102)

SYMBOL	MACH
O	.251

DATASET	ALPHA
12Q0E6	5.000
12Q0E4	5.000
12Q0E5	5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0500	

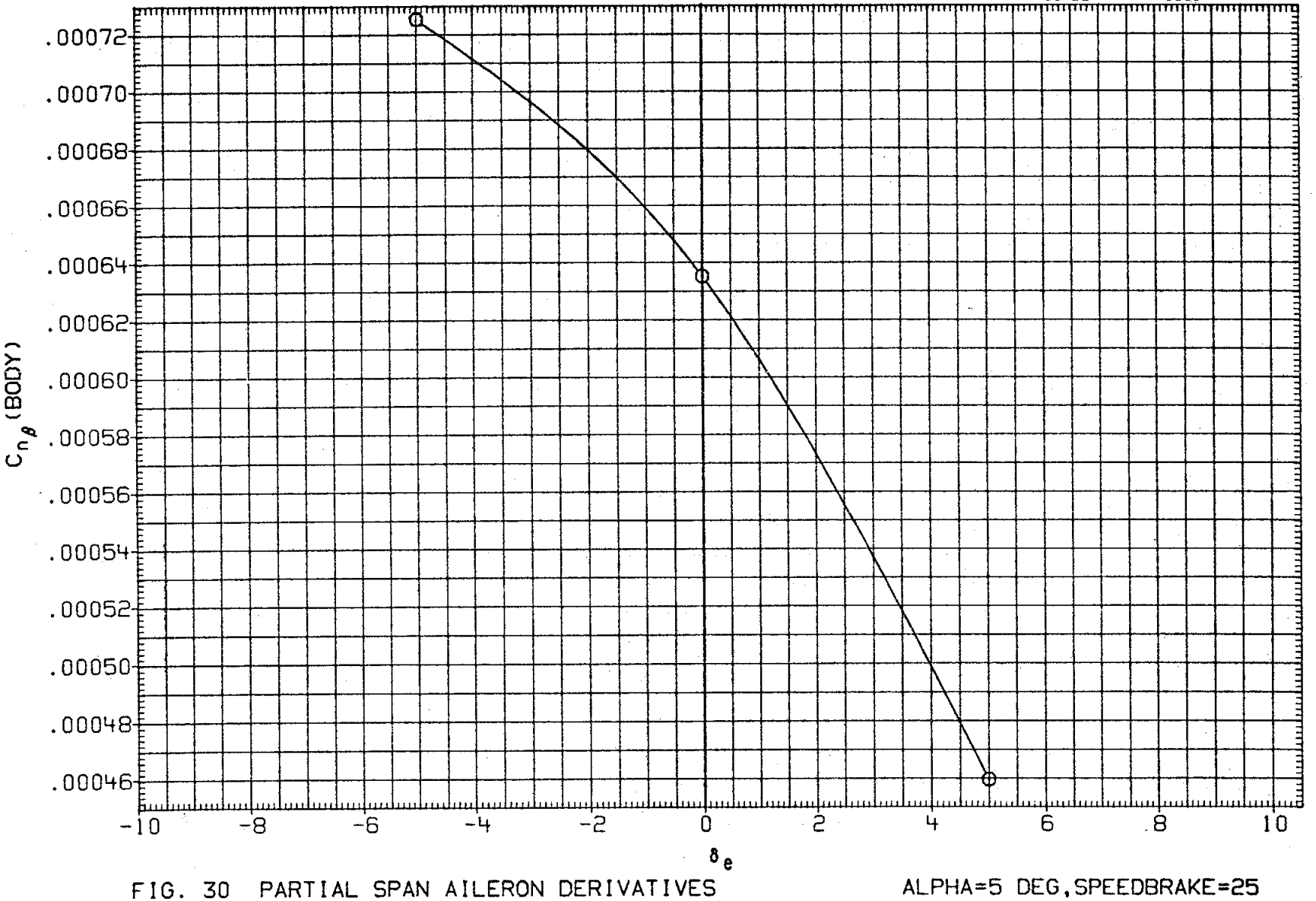


FIG. 30 PARTIAL SPAN AILERON DERIVATIVES

ALPHA=5 DEG, SPEEDBRAKE=25

CONFIGURATION ARC 218-1-12 0A101 (0V102)

SYMBOL	MACH
O	.251

DATASET	ALPHA
12Q0E6	5.000
12Q0E4	5.000
12Q0E5	5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0500	

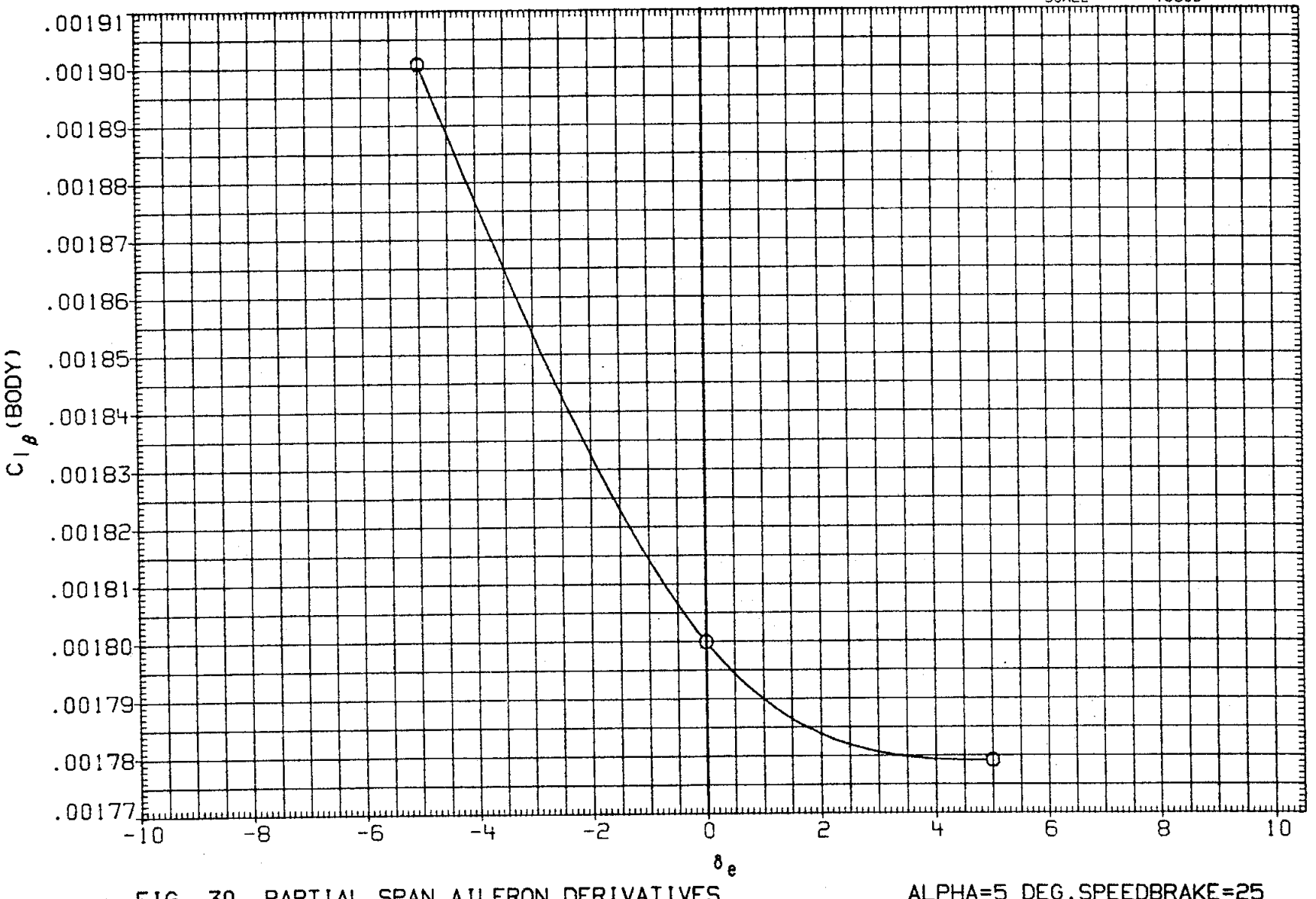


FIG. 30 PARTIAL SPAN AILERON DERIVATIVES

ALPHA=5 DEG, SPEEDBRAKE=25

CONFIGURATION ARC 218-1-12 0A101 (0V102)

SYMBOL	MACH
O	.251

DATASET	ALPHA
12Q0E9	5.000
12Q0E7	5.000
12Q0E8	5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0500	

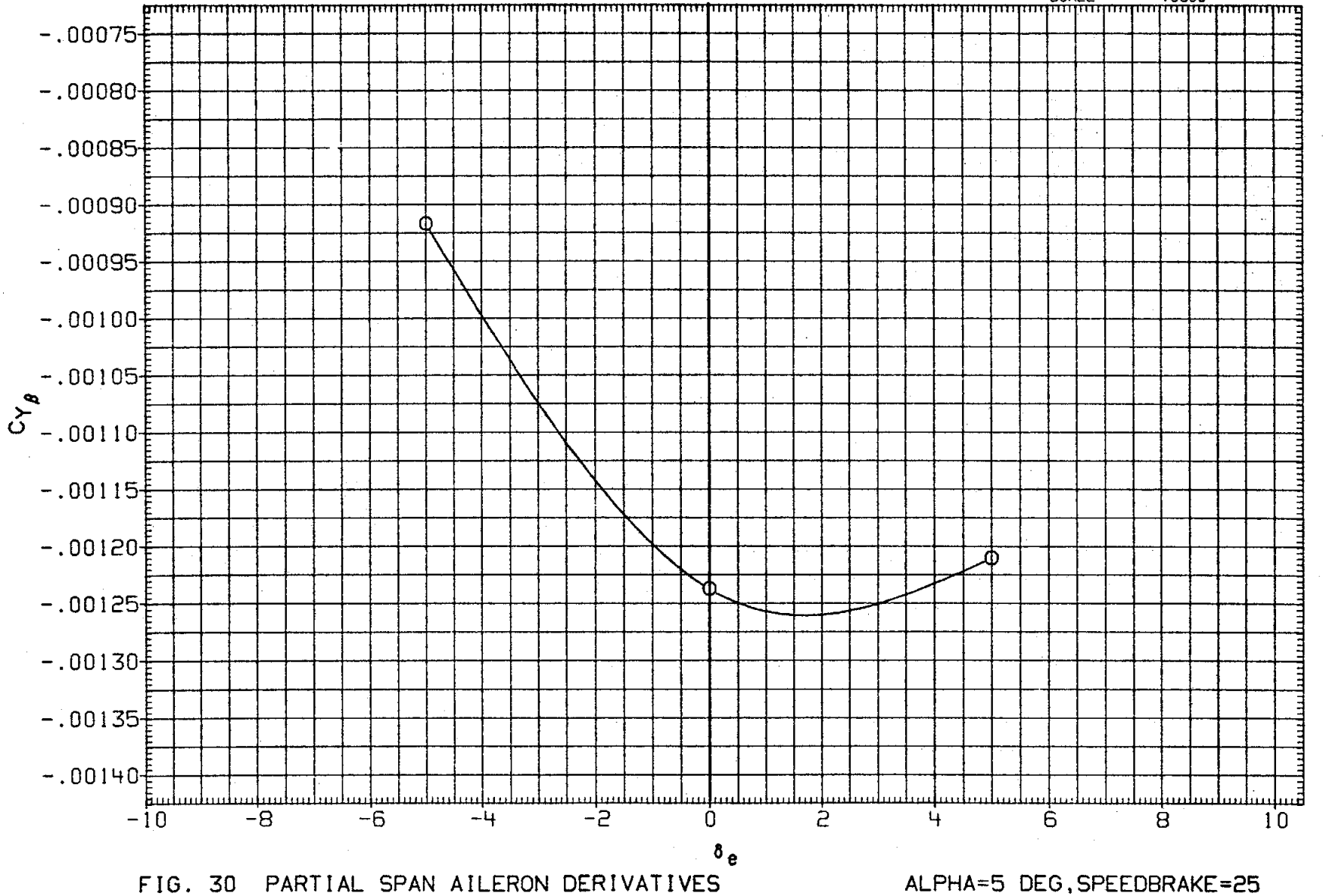


FIG. 30 PARTIAL SPAN AILERON DERIVATIVES ALPHA=5 DEG, SPEEDBRAKE=25

CONFIGURATION ARC 218-1-12 0A101 (0V102)

SYMBOL	MACH
O	.251

DATASET	ALPHA
12Q0E9	5.000
12Q0E7	5.000
12Q0E8	5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0500	

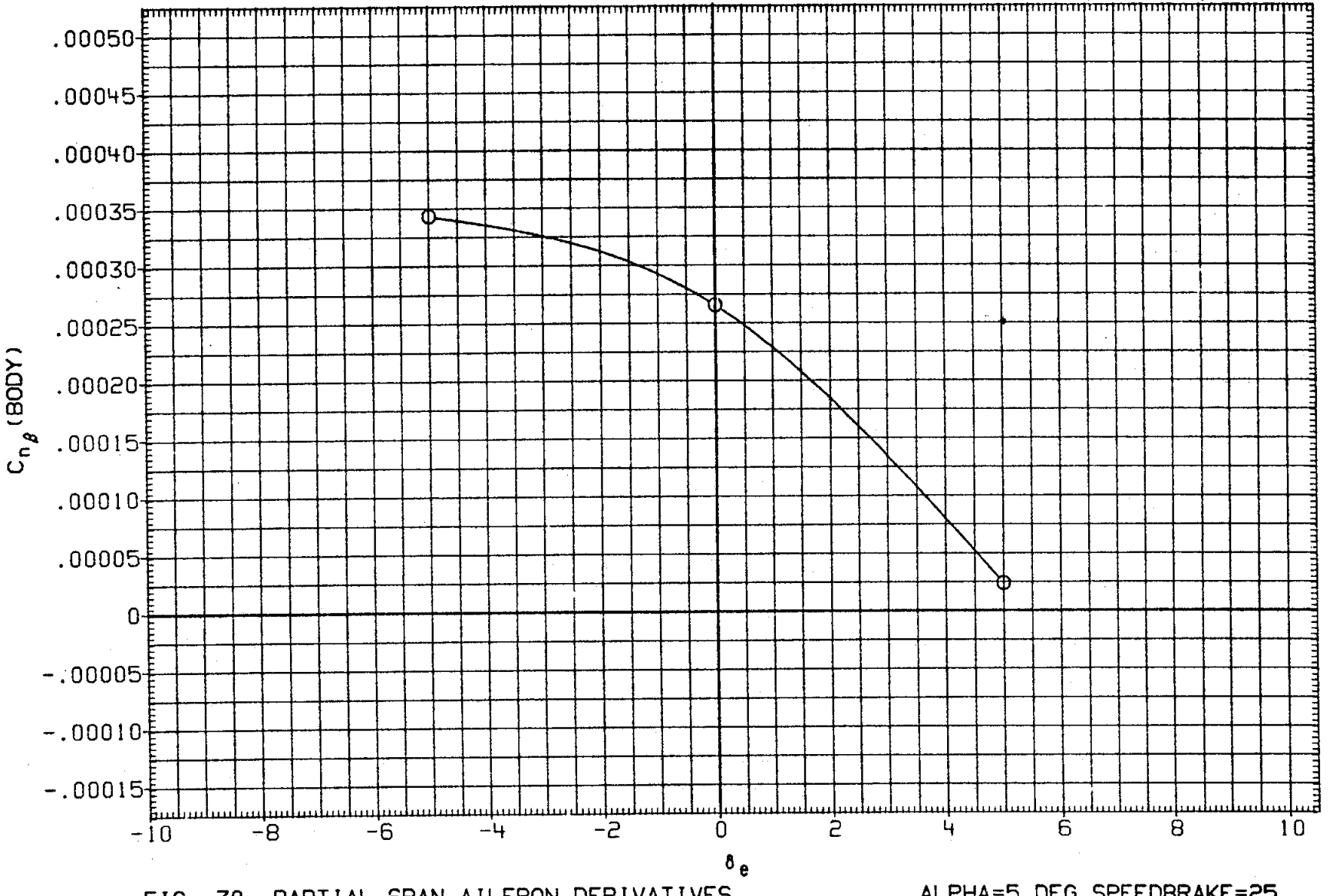


FIG. 30 PARTIAL SPAN AILERON DERIVATIVES

ALPHA=5 DEG, SPEEDBRAKE=25

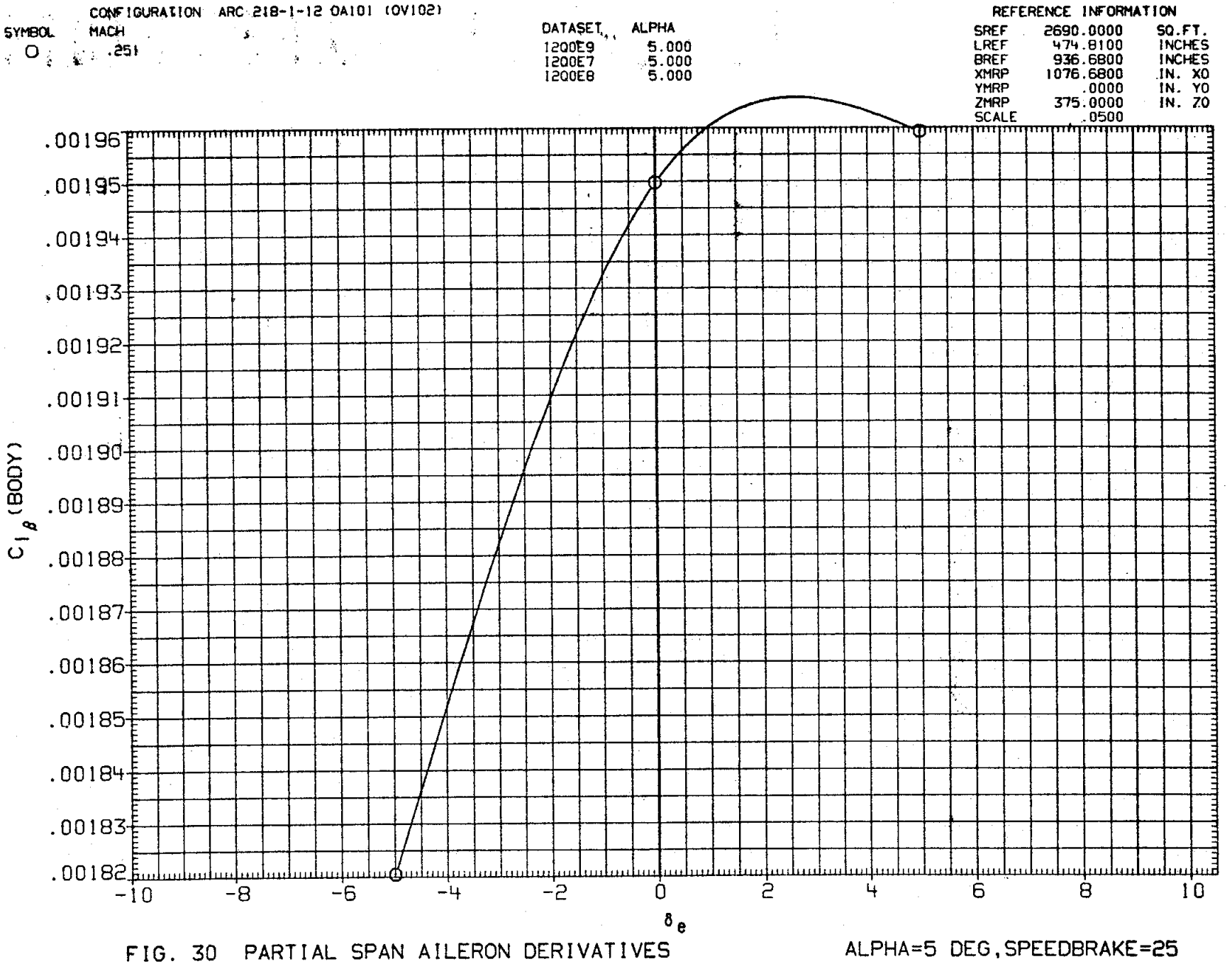


FIG. 30 PARTIAL SPAN AILERON DERIVATIVES

ALPHA=5 DEG, SPEEDBRAKE=25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q005	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q047	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	5.000	-5.000
R2Q048	◇	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	5.000	-22.800

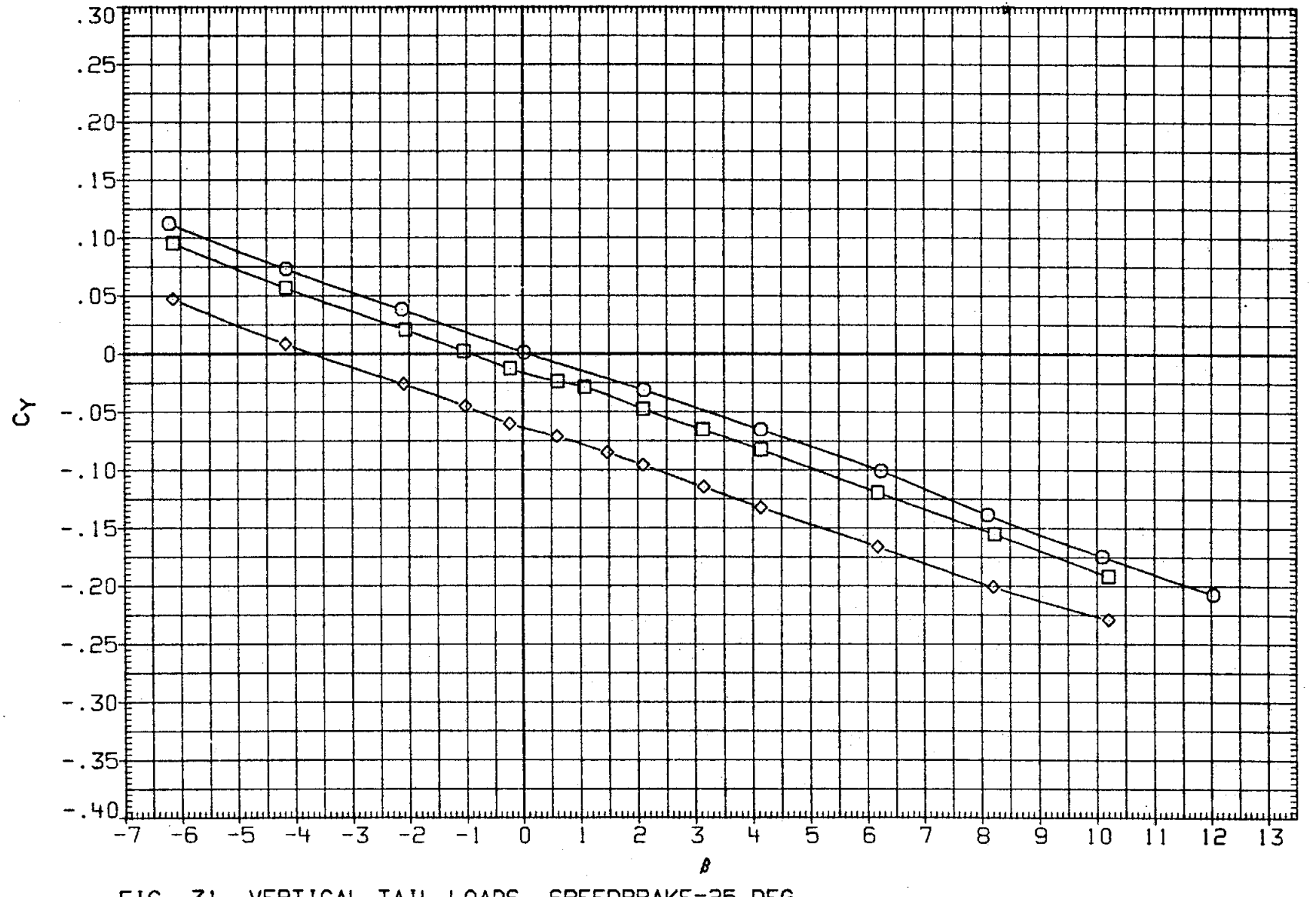


FIG. 31 VERTICAL TAIL LOADS SPEEDBRAKE=25 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q005	○	ARC 218-1-12 0A101 (0V102)
R2Q047	□	ARC 218-1-12 0A101 (0V102)
R2Q048	◇	ARC 218-1-12 0A101 (0V102)

ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RN/L	RUDDER
5.000	.000	.000	.000	25.000	5.000	.000
5.000	.000	.000	.000	25.000	5.000	-5.000
5.000	.000	.000	.000	25.000	5.000	-22.800

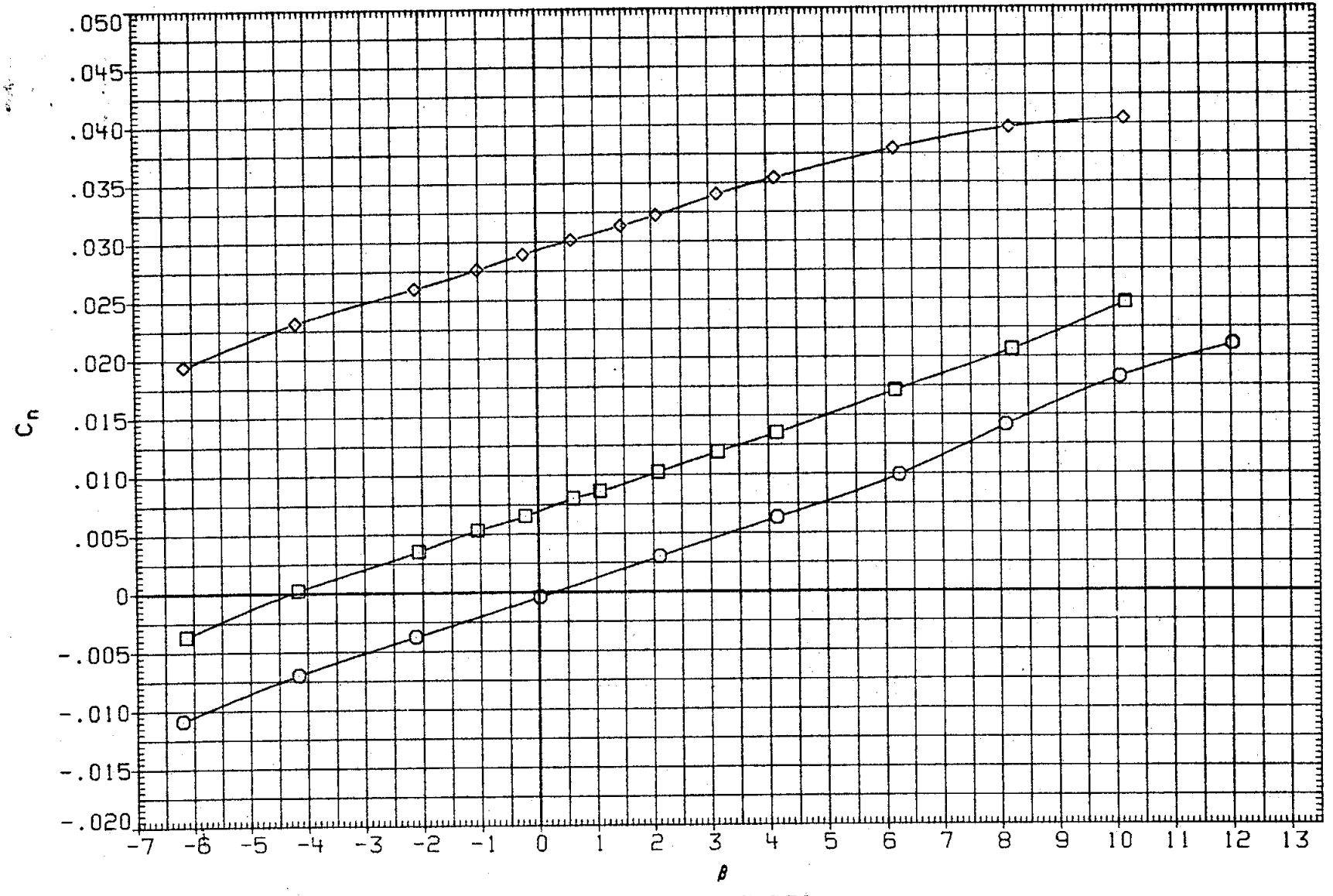


FIG. 31 VERTICAL TAIL LOADS SPEEDBRAKE=25 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q005	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q047	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	5.000	-5.000
R2Q048	◇	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	5.000	-22.800

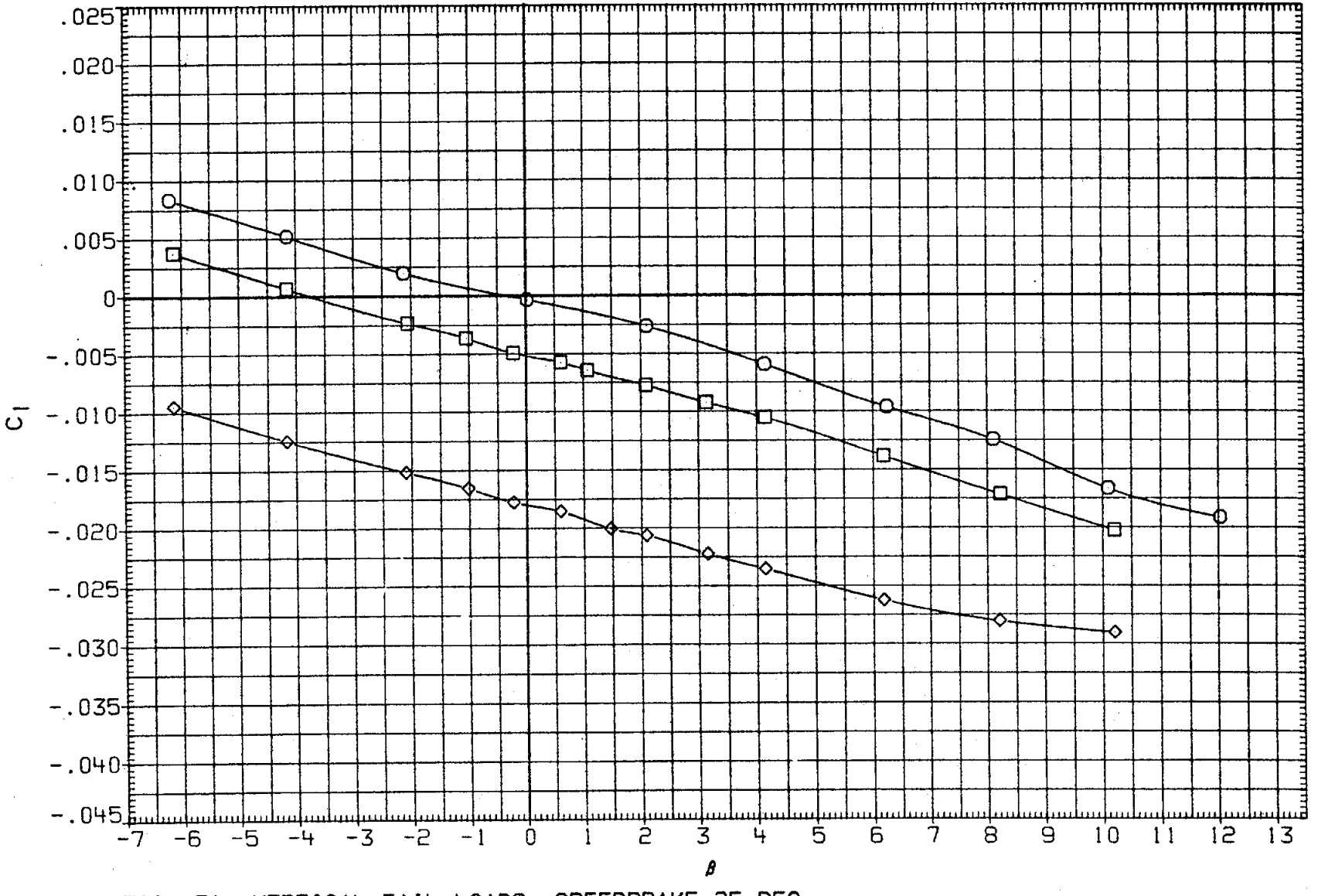


FIG. 31 VERTICAL TAIL LOADS SPEEDBRAKE=25 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q018	○	ARC 218-1-12 OA101 (OV102)	5.000	-10.000	.000	.000	25.000	5.000	.000
R2Q019	□	ARC 218-1-12 OA101 (OV102)	5.000	-5.000	.000	.000	25.000	5.000	.000
R2Q005	◇	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q020	△	ARC 218-1-12 OA101 (OV102)	5.000	5.000	.000	.000	25.000	5.000	.000
R2Q021	▷	ARC 218-1-12 OA101 (OV102)	5.000	10.000	.000	.000	25.000	5.000	.000

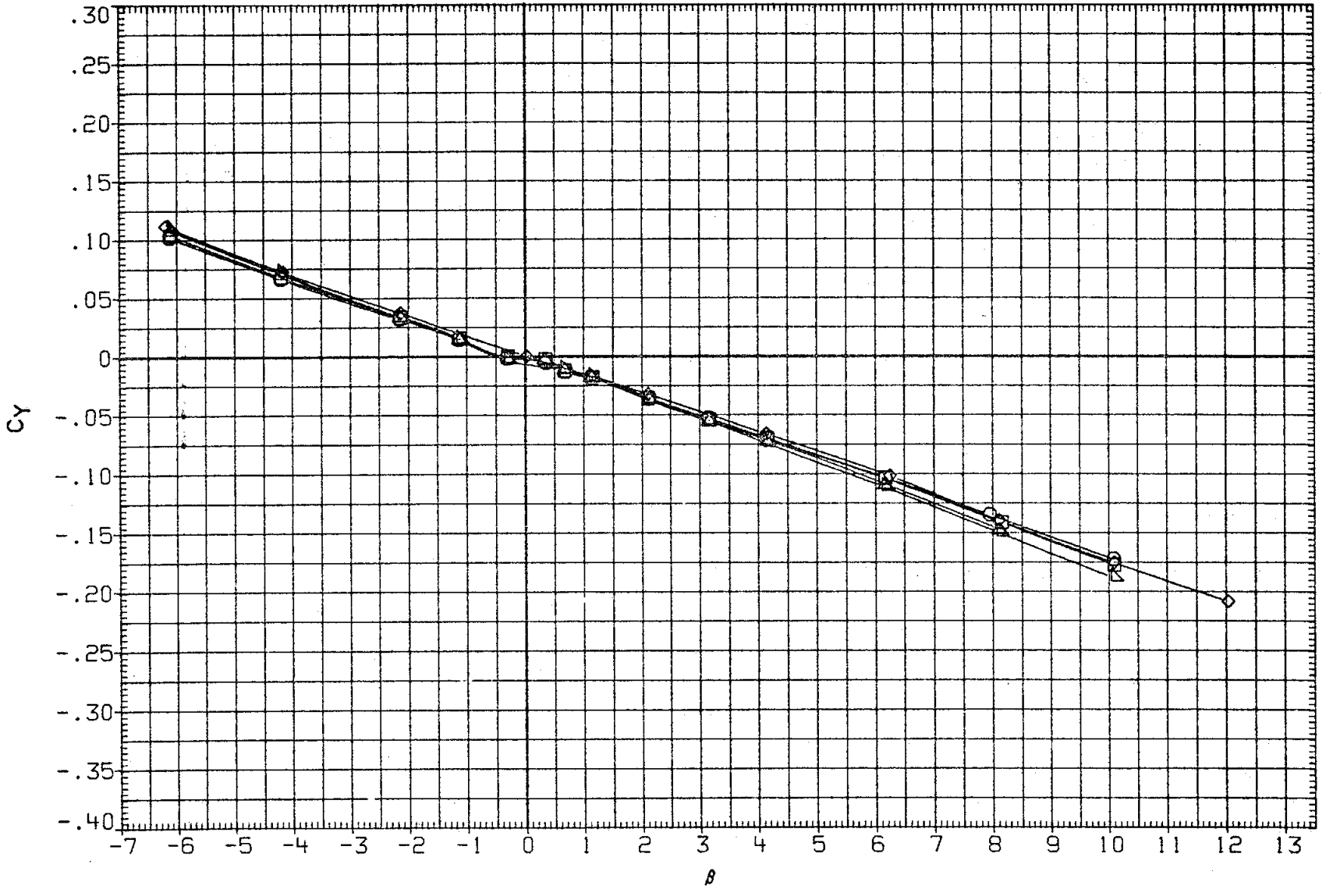


FIG. 32 EFFECT OF ELEVON DEFLECTION IN SIDESLIP, ALPHA=5 DEG.,SPEEDBRAKE=25 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q018	○	ARC 218-1-12 OA101 (OV102)
R2Q019	□	ARC 218-1-12 OA101 (OV102)
R2Q005	◇	ARC 218-1-12 OA101 (OV102)
R2Q020	△	ARC 218-1-12 OA101 (OV102)
R2Q021	◁	ARC 218-1-12 OA101 (OV102)

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

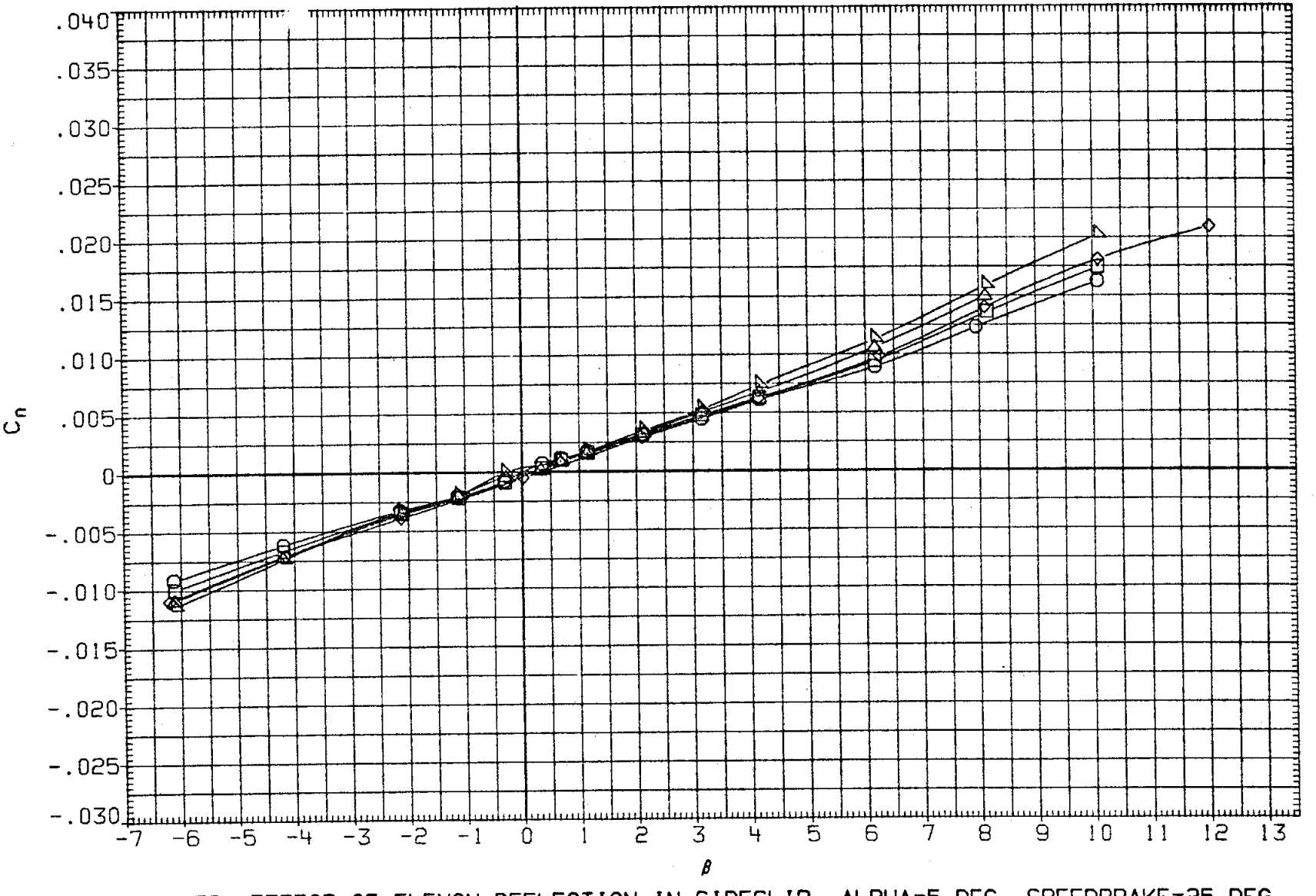


FIG. 32 EFFECT OF ELEVON DEFLECTION IN SIDESLIP, ALPHA=5 DEG.,SPEEDBRAKE=25 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q018	○	ARC 218-1-12 OA101 (OV102)	5.000	-10.000	.000	.000	25.000	5.000	.000
R2Q019	□	ARC 218-1-12 OA101 (OV102)	5.000	-5.000	.000	.000	25.000	5.000	.000
R2Q005	◇	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	5.000	.000
R2Q020	△	ARC 218-1-12 OA101 (OV102)	5.000	5.000	.000	.000	25.000	5.000	.000
R2Q021	▷	ARC 218-1-12 OA101 (OV102)	5.000	10.000	.000	.000	25.000	5.000	.000

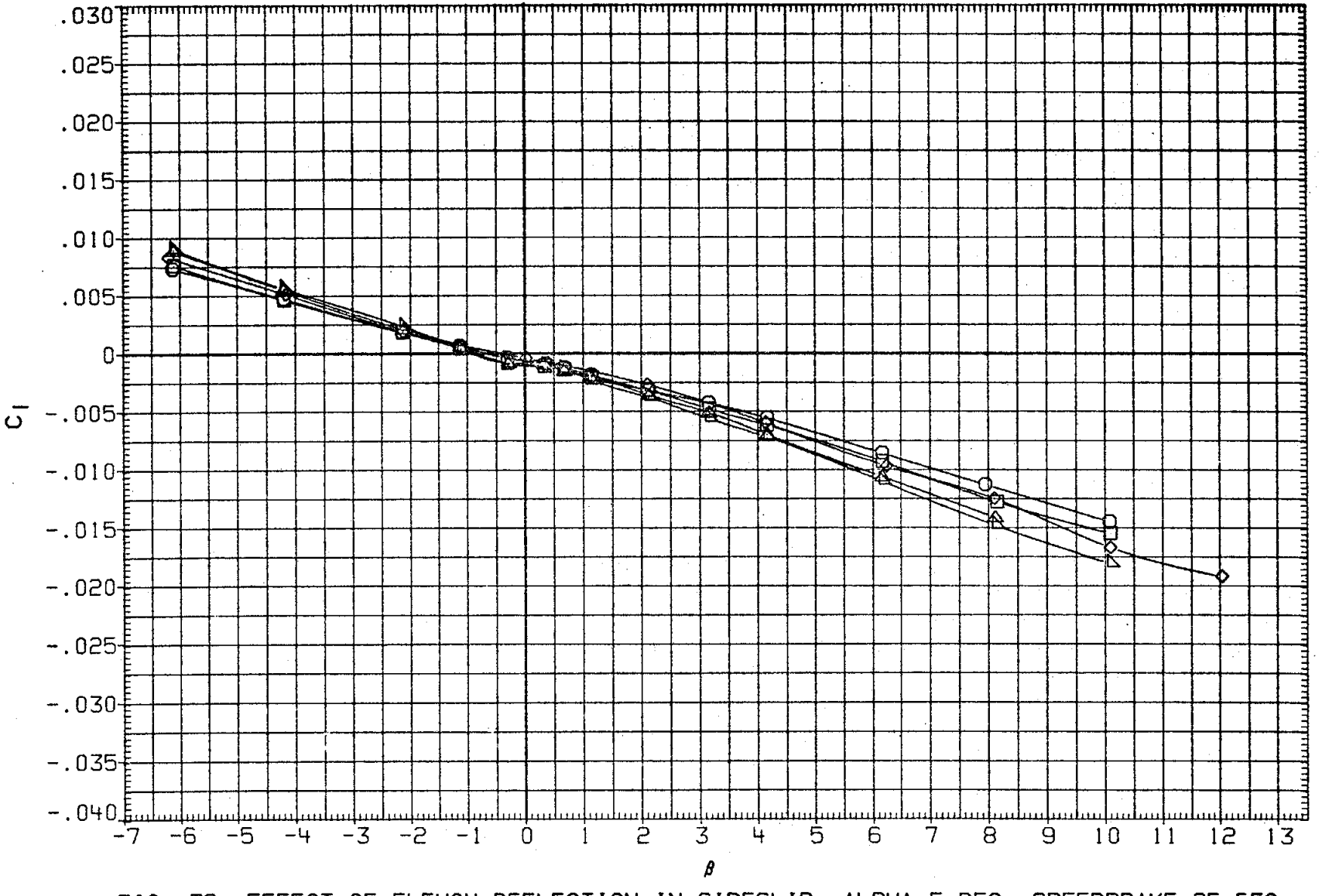


FIG. 32 EFFECT OF ELEVON DEFLECTION IN SIDESLIP, ALPHA=5 DEG.,SPEEDBRAKE=25 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R20022	○	ARC 218-1-12 0A101 (0V102)
R20023	□	ARC 218-1-12 0A101 (0V102)
R20007	◇	ARC 218-1-12 0A101 (0V102)
R20024	△	ARC 218-1-12 0A101 (0V102)
R20025	◁	ARC 218-1-12 0A101 (0V102)

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

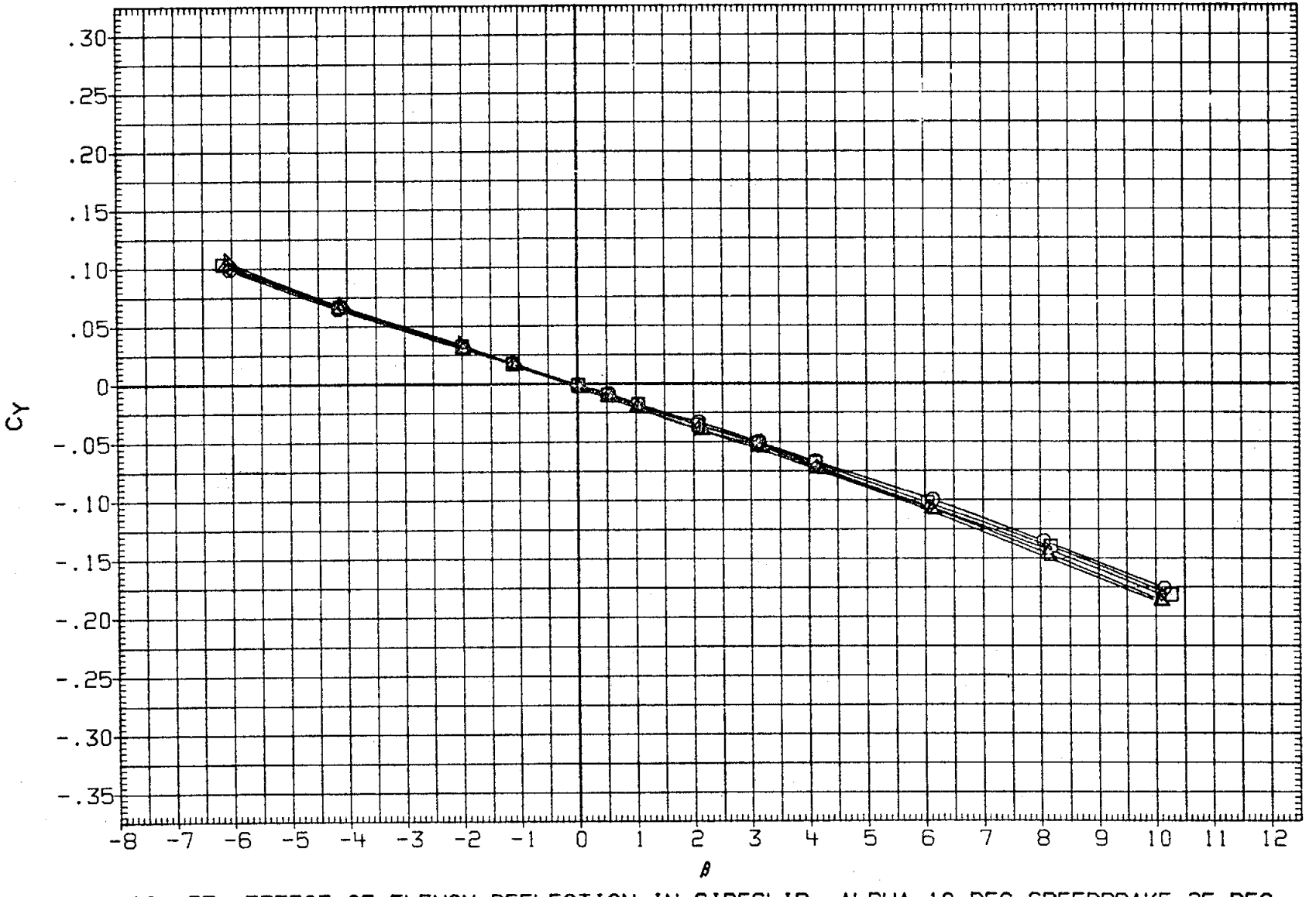


FIG. 33 EFFECT OF ELEVON DEFLECTION IN SIDESLIP, ALPHA=10 DEG,SPEEDBRAKE=25 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q022	○	ARC 218-1-12 OA101 (OV102)	10.000	-10.000	.000	.000	25.000	5.000	.000
R2Q023	□	ARC 218-1-12 OA101 (OV102)	10.000	-5.000	.000	.000	25.000	5.000	.000
R2Q007	◇	ARC 218-1-12 OA101 (OV102)	10.000	.000	.000	.000	25.000	8.000	.000
R2Q024	△	ARC 218-1-12 OA101 (OV102)	10.000	5.000	.000	.000	25.000	5.000	.000
R2Q025	▽	ARC 218-1-12 OA101 (OV102)	10.000	10.000	.000	.000	25.000	5.000	.000

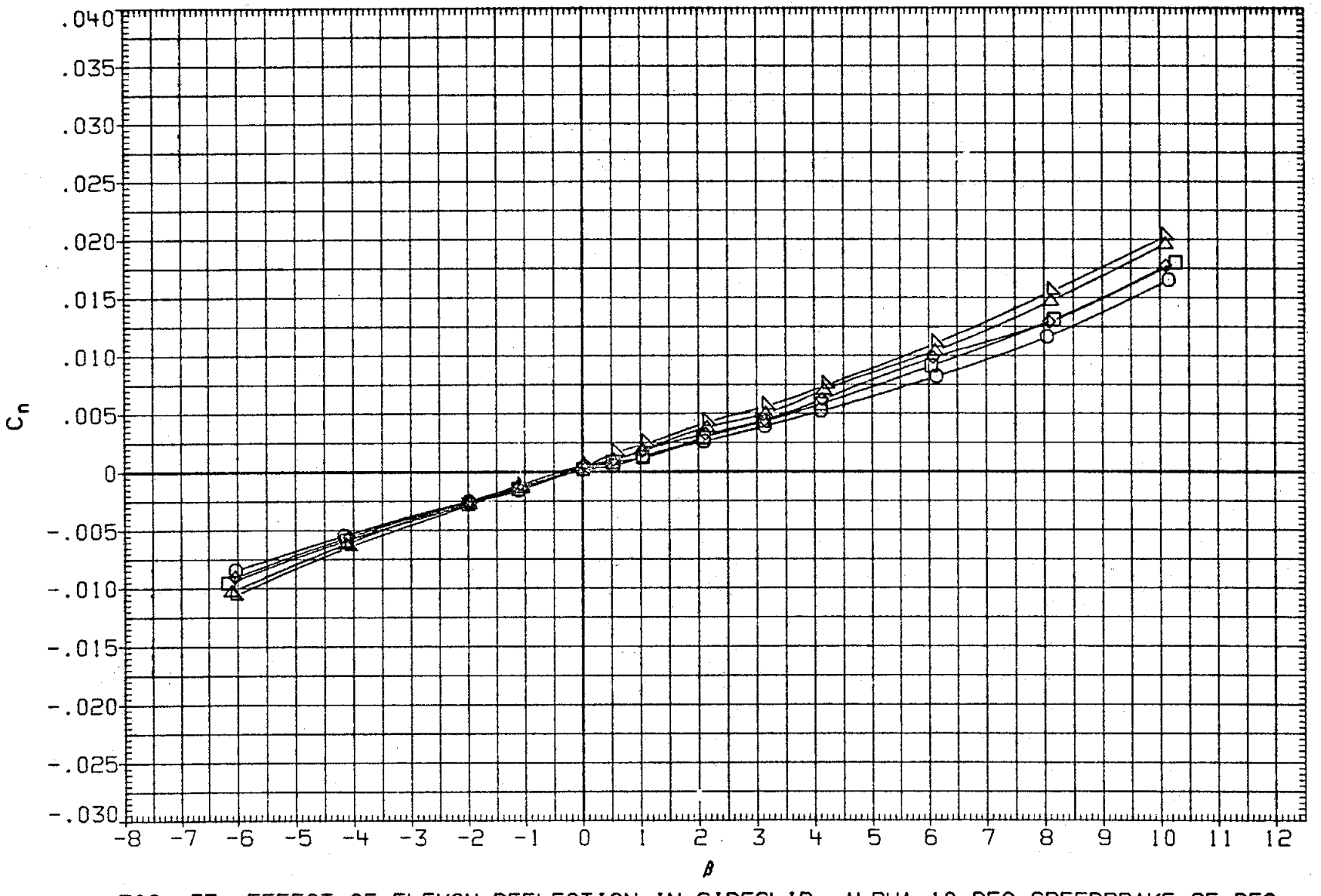


FIG. 33 EFFECT OF ELEVON DEFLECTION IN SIDESLIP, ALPHA=10 DEG,SPEEDBRAKE=25 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q022	○	ARC 218-1-12 OA101 (OV102)	10.000	-10.000	.000	.000	25.000	5.000	.000
R2Q023	□	ARC 218-1-12 OA101 (OV102)	10.000	-5.000	.000	.000	25.000	5.000	.000
R2Q007	◇	ARC 218-1-12 OA101 (OV102)	10.000	.000	.000	.000	25.000	8.000	.000
R2Q024	△	ARC 218-1-12 OA101 (OV102)	10.000	5.000	.000	.000	25.000	5.000	.000
R2Q025	◁	ARC 218-1-12 OA101 (OV102)	10.000	10.000	.000	.000	25.000	5.000	.000

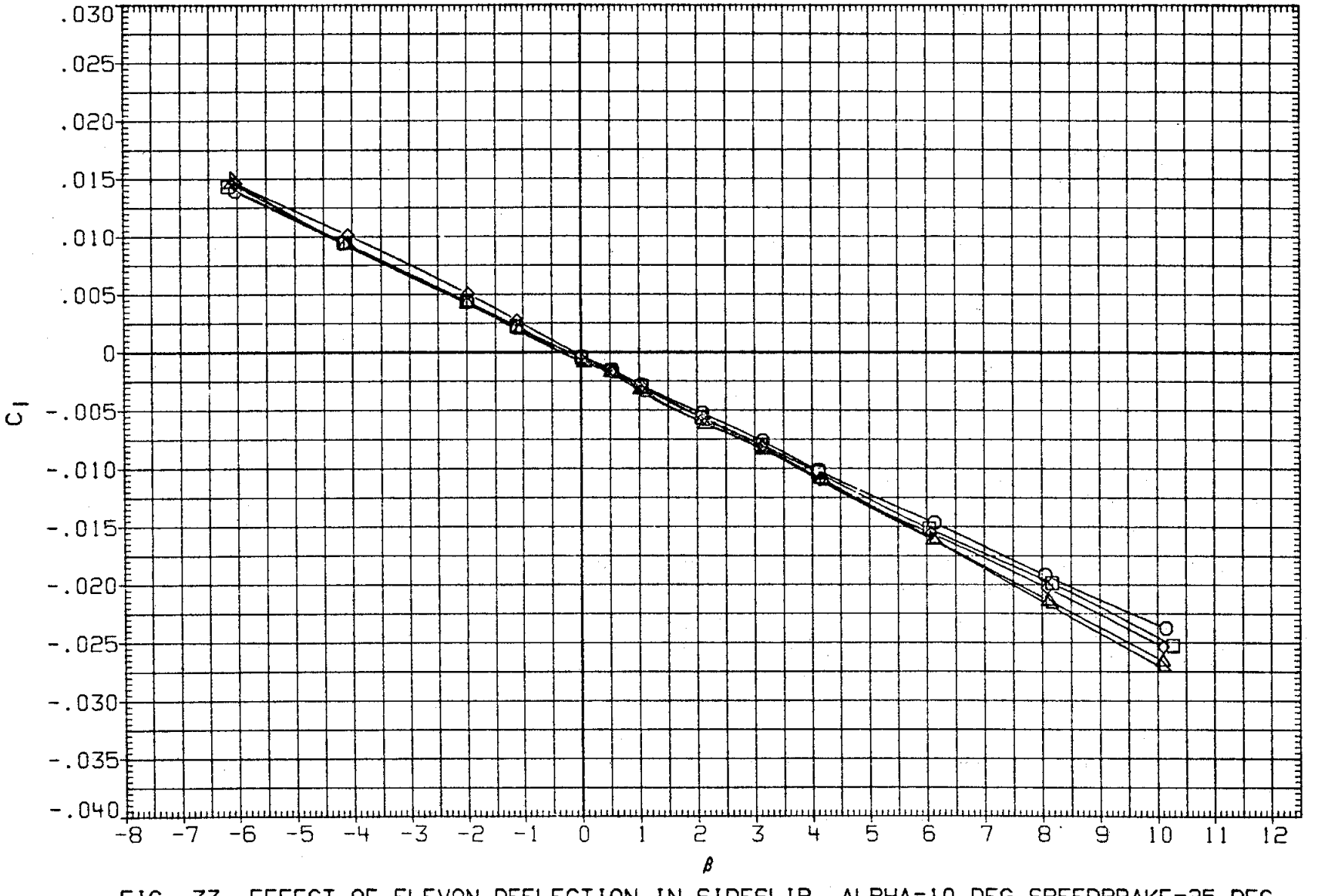


FIG. 33 EFFECT OF ELEVON DEFLECTION IN SIDESLIP, ALPHA=10 DEG, SPEEDBRAKE=25 DEG

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q056	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	.000	5.000	.000
R2Q057	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	.000	8.000	.000
3WL011	◇	JUNE 76 ADB	.000	.000	.000	.000	.000		.000

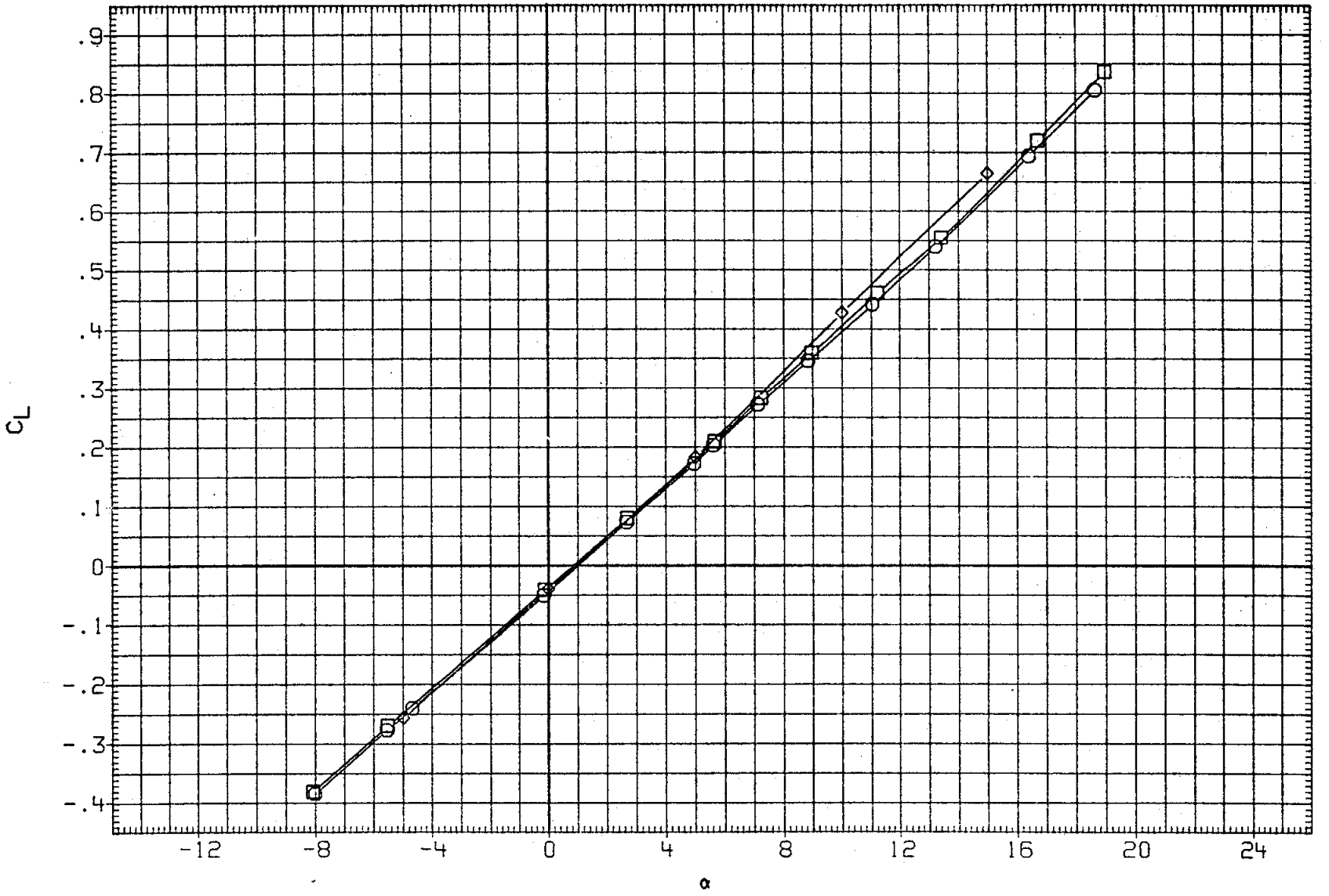


FIG. 34 BASIC LONG. CHAR. OF 0V102 SPEEDBRAKE=0 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q056	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	.000	5.000	.000
R2Q057	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	.000	8.000	.000
3WL011	◇	JUNE 76 ADB	.000	.000	.000	.000	.000		.000

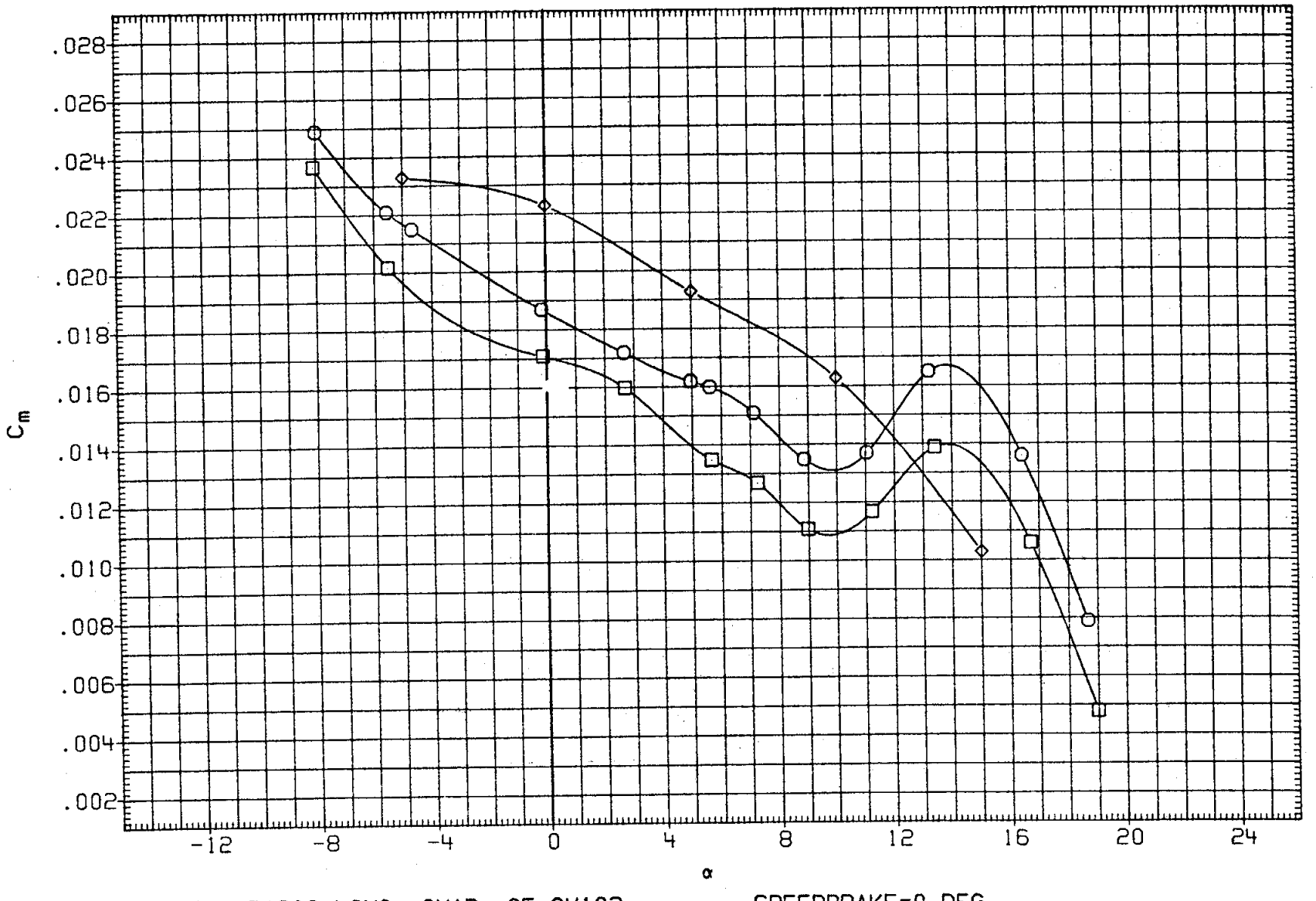


FIG. 34 BASIC LONG. CHAR. OF 0V102 SPEEDBRAKE=0 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q056	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	.000	5.000	.000
R2Q057	□	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	.000	8.000	.000
3WL011	◇	JUNE 76 ADB	.000	.000	.000	.000	.000		.000

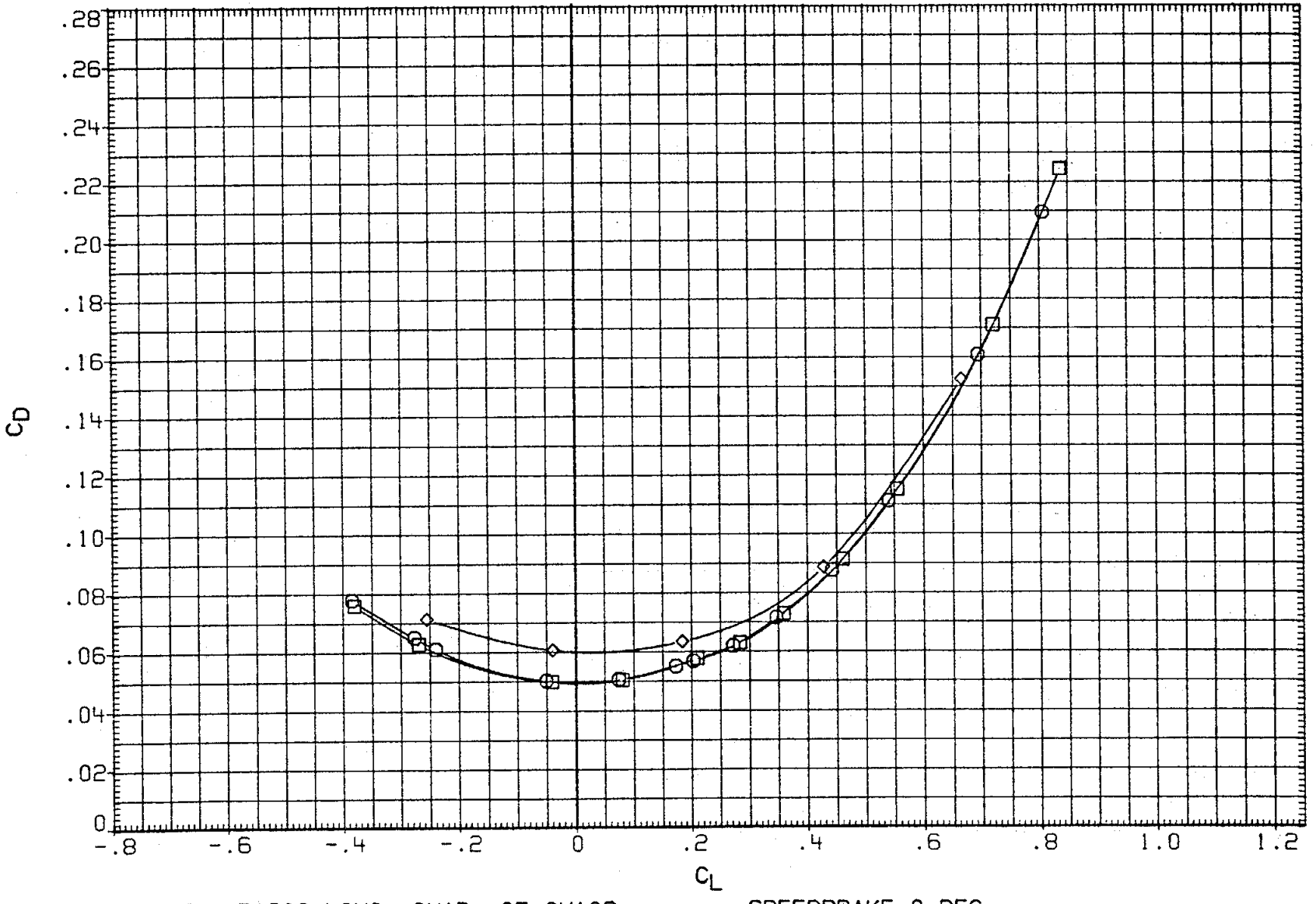


FIG. 34 BASIC LONG. CHAR. OF OV102 SPEEDBRAKE=0 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q056	○	ARC 218-1-12 OA101 (OV102)
R2Q057	□	ARC 218-1-12 OA101 (OV102)
3WL011	◇	JUNE 76 ADB

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

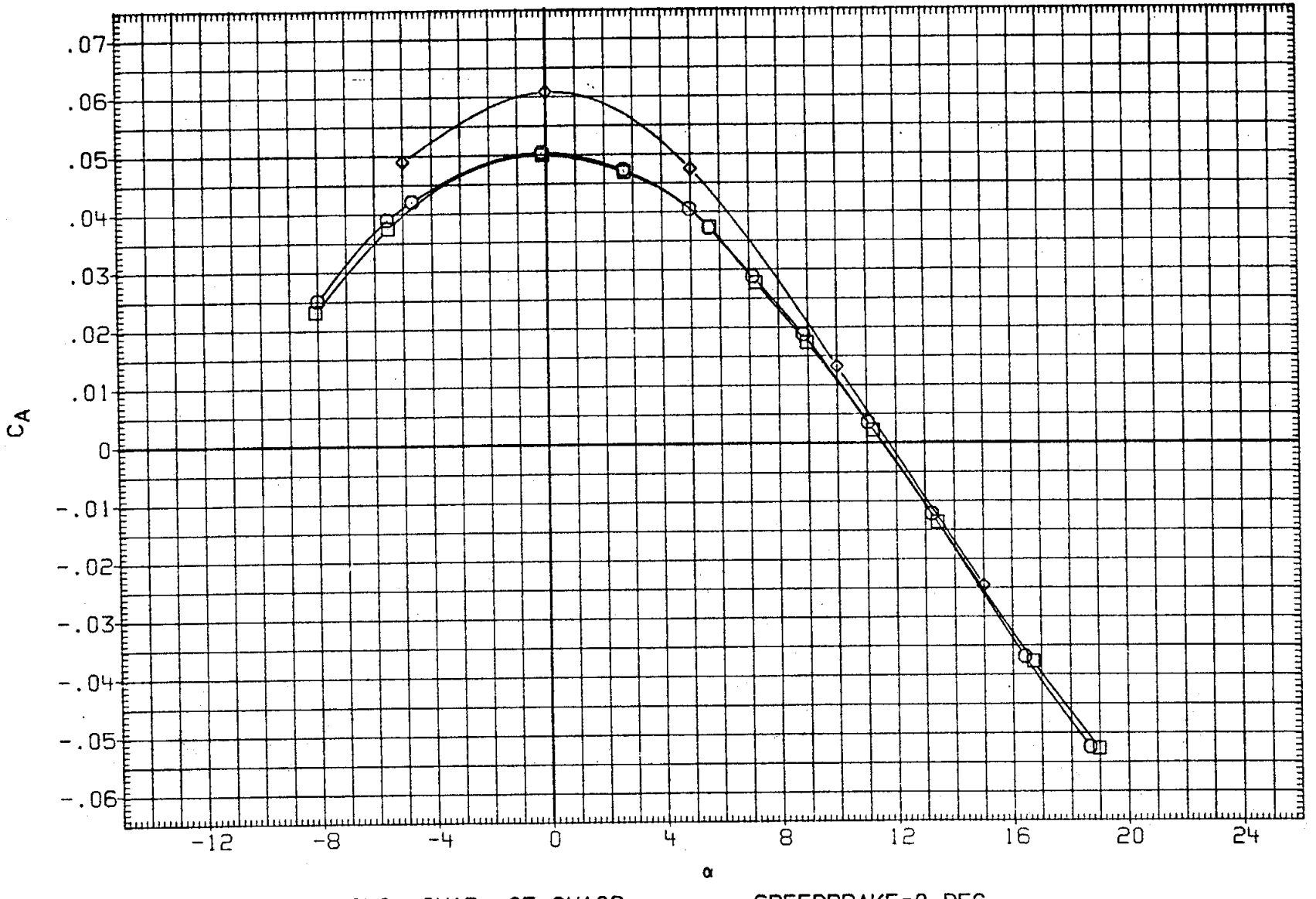


FIG. 34 BASIC LONG. CHAR. OF OV102 SPEEDBRAKE=0 DEG

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q058	○	ARC 218-1-12 OA101 (OV102)	-5.000	.000	.000	.000	.000	8.000	.000
R2Q059	□	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	.000	8.000	.000
R2Q060	◇	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	8.000	.000
R2Q061	△	ARC 218-1-12 OA101 (OV102)	10.000	.000	.000	.000	.000	8.000	.000
R2Q062	▷	ARC 218-1-12 OA101 (OV102)	15.000	.000	.000	.000	.000	8.000	.000
3WL012	D	JUNE 76 ADB	5.000	.000	.000	.000	.000		.000

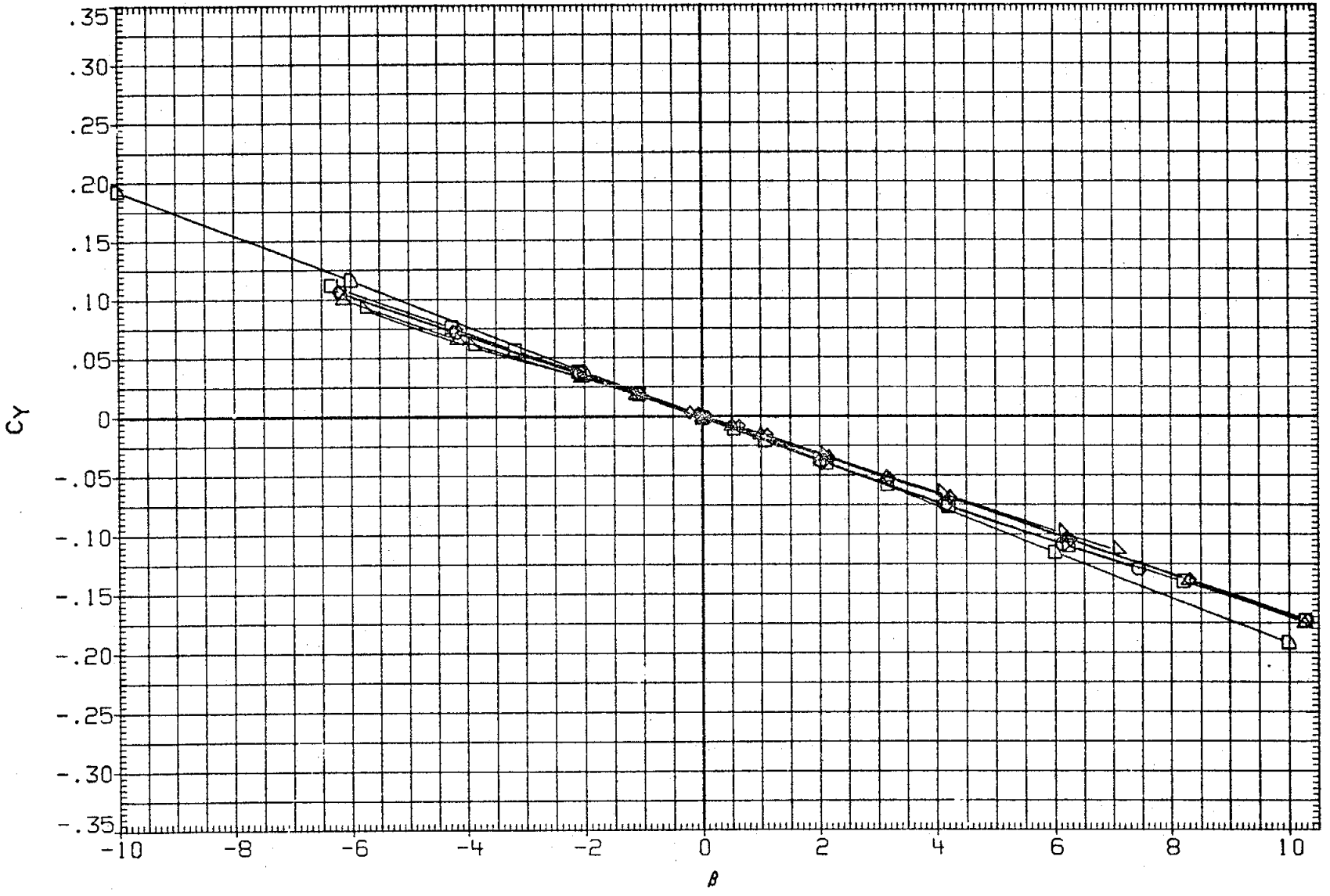


FIG. 35 BASIC LAT/DIR. CHAR. OF OV102 SPEEDBRAKE=0 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q058	○	ARC 218-1-12 OA101 (OV102)
R2Q059	□	ARC 218-1-12 OA101 (OV102)
R2Q060	◇	ARC 218-1-12 OA101 (OV102)
R2Q061	△	ARC 218-1-12 OA101 (OV102)
R2Q062	◁	ARC 218-1-12 OA101 (OV102)
3WL012	⬠	JUNE 76 ADB

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

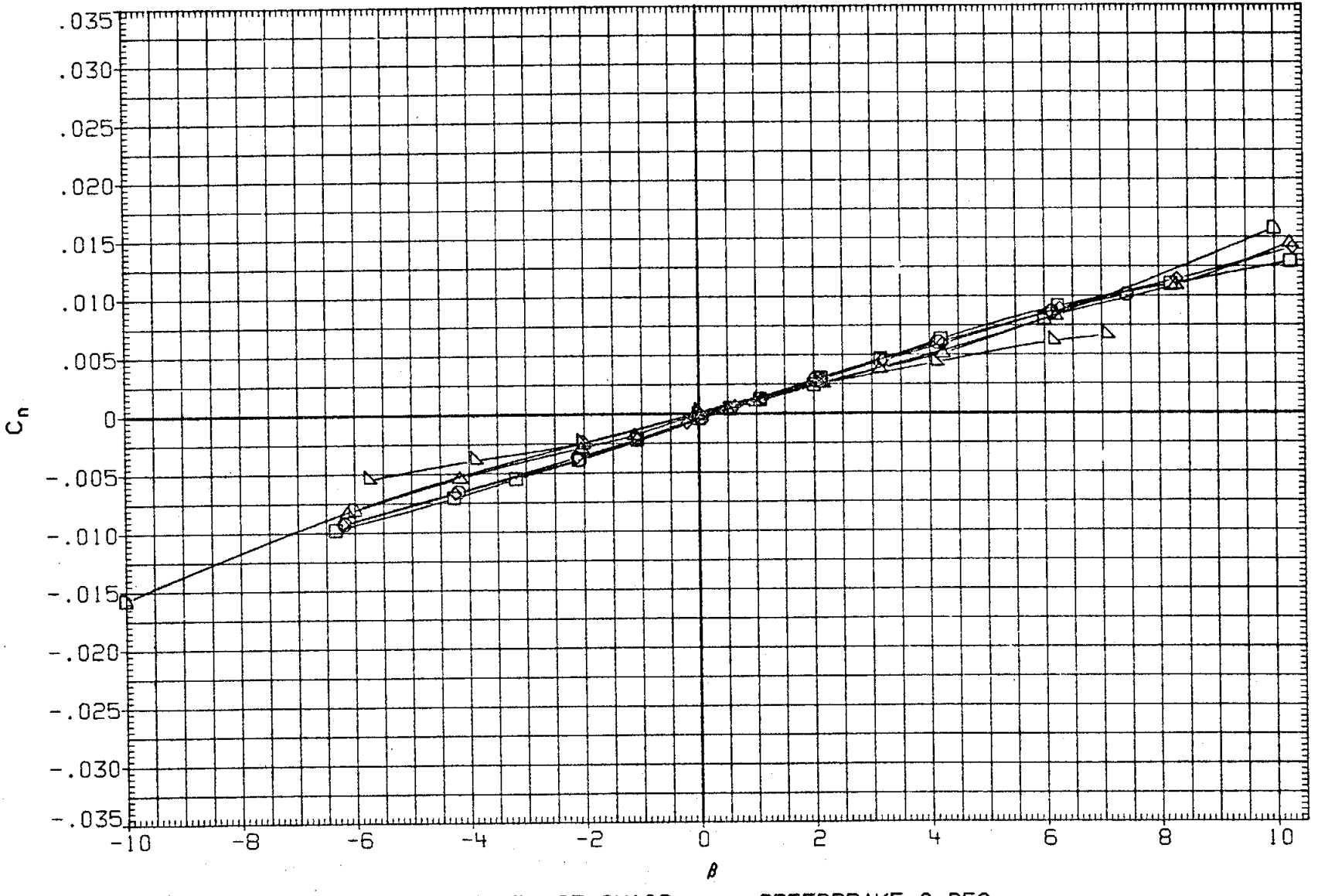


FIG. 35 BASIC LAT/DIR. CHAR. OF OV102 SPEEDBRAKE=0 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q058	○	ARC 218-1-12 OA101 (OV102)
R2Q059	□	ARC 218-1-12 OA101 (OV102)
R2Q060	◇	ARC 218-1-12 OA101 (OV102)
R2Q061	△	ARC 218-1-12 OA101 (OV102)
R2Q062	▷	ARC 218-1-12 OA101 (OV102)
3WL012	D	JUNE 76 ADB

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

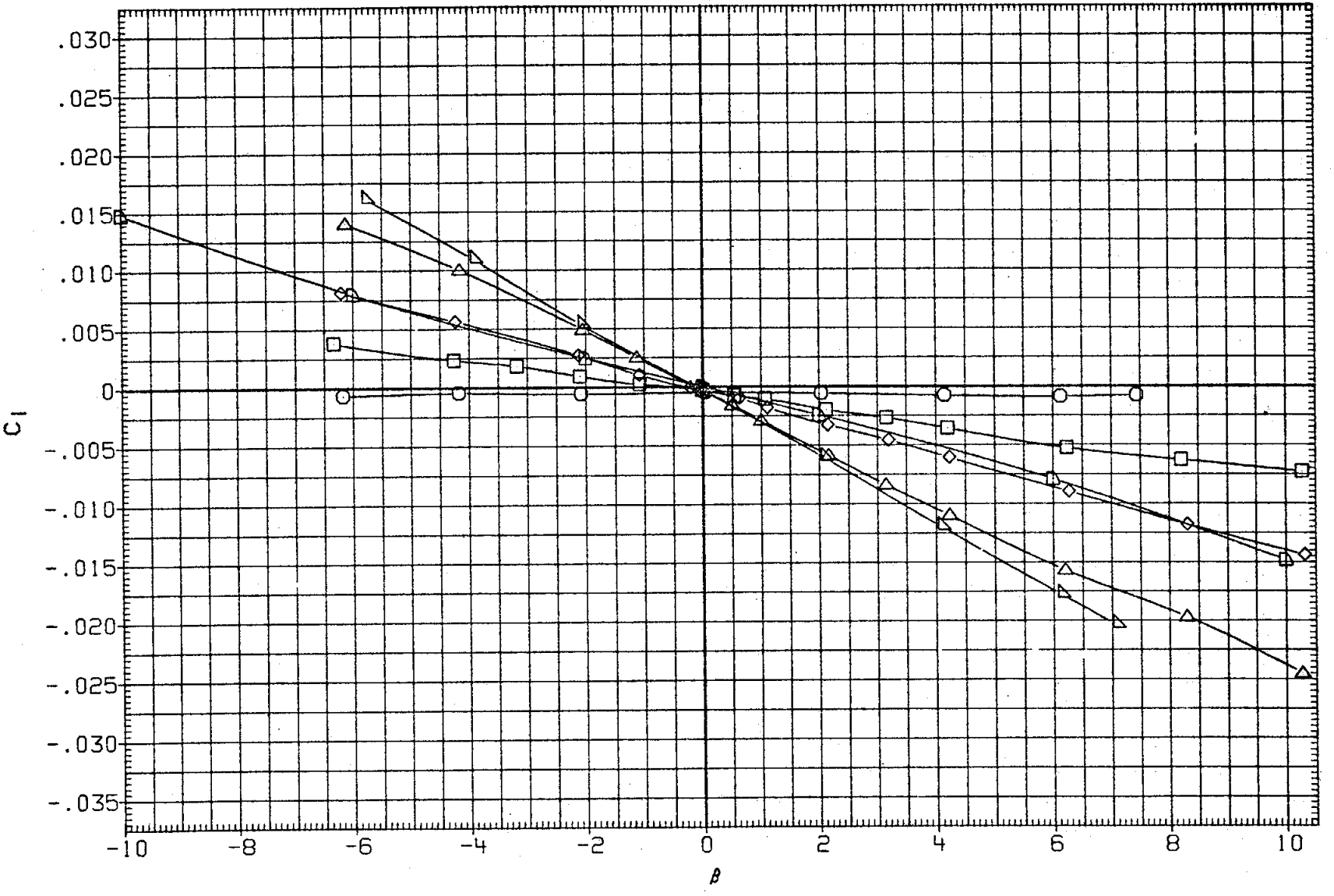


FIG. 35 BASIC LAT/DIR. CHAR. OF OV102 SPEEDBRAKE=0 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q063	○	ARC 218-1-12 OA101 (OV102)
R2Q064	□	ARC 218-1-12 OA101 (OV102)
R2Q065	◇	ARC 218-1-12 OA101 (OV102)
R2Q066	◁	ARC 218-1-12 OA101 (OV102)
R2Q067	▽	ARC 218-1-12 OA101 (OV102)
3WL013	▷	JUNE 76 ADB

ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
-5.000	.000	.000	.000	.000	.000	8.000
.000	.000	.000	.000	.000	.000	8.000
5.000	.000	.000	.000	.000	.000	8.000
10.000	.000	.000	.000	.000	.000	8.000
15.000	.000	.000	.000	.000	.000	8.000
5.000	.000	.000	.000	.000	.000	

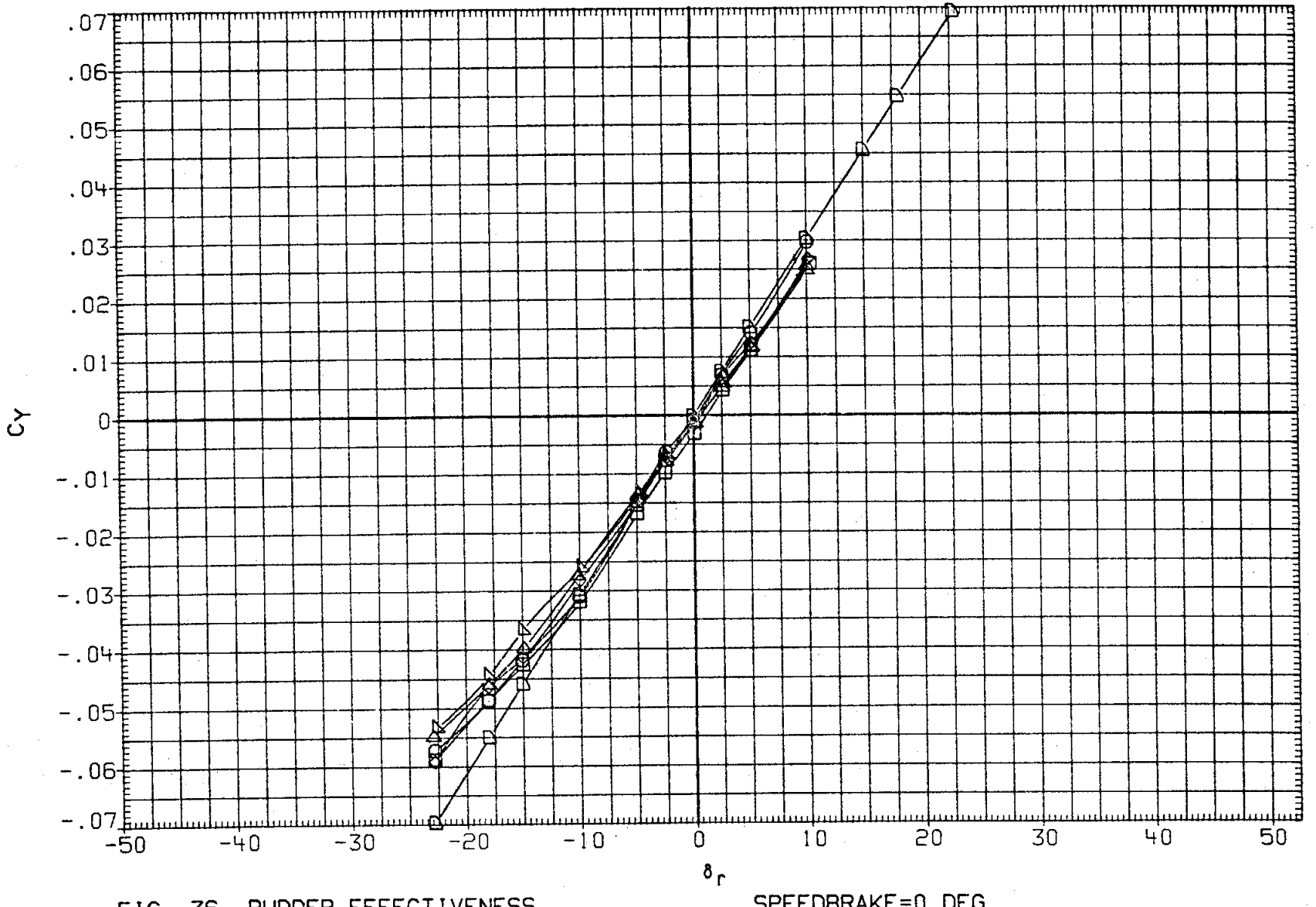


FIG. 36 RUDDER EFFECTIVENESS SPEEDBRAKE=0 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q063	○	ARC 218-1-12 OA101 (OV102)
R2Q064	□	ARC 218-1-12 OA101 (OV102)
R2Q065	◇	ARC 218-1-12 OA101 (OV102)
R2Q066	△	ARC 218-1-12 OA101 (OV102)
R2Q067	◁	ARC 218-1-12 OA101 (OV102)
3WL013	⌂	JUNE 76 ADB

ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
-5.000	.000	.000	.000	.000	.000	8.000
.000	.000	.000	.000	.000	.000	8.000
5.000	.000	.000	.000	.000	.000	8.000
10.000	.000	.000	.000	.000	.000	8.000
15.000	.000	.000	.000	.000	.000	8.000
5.000	.000	.000	.000	.000	.000	

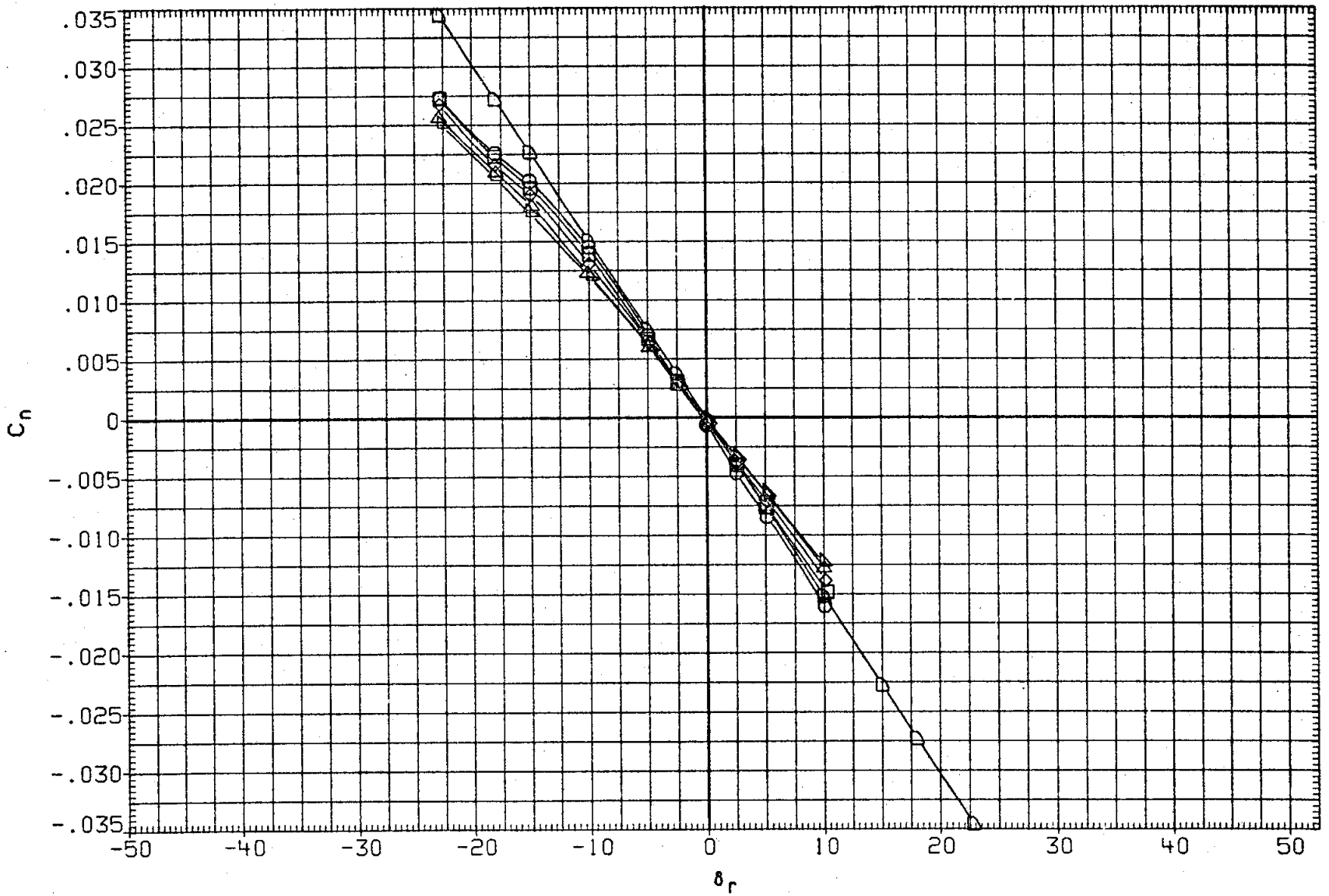


FIG. 36 RUDDER EFFECTIVENESS SPEEDBRAKE=0 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R20063	○	ARC 218-1-12 0A101 (0V102)
R20064	□	ARC 218-1-12 0A101 (0V102)
R20065	◇	ARC 218-1-12 0A101 (0V102)
R20066	△	ARC 218-1-12 0A101 (0V102)
R20067	▷	ARC 218-1-12 0A101 (0V102)
3WL013	D	JUNE 76 ADB

ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
-5.000	.000	.000	.000	.000	.000	8.000
.000	.000	.000	.000	.000	.000	8.000
5.000	.000	.000	.000	.000	.000	8.000
10.000	.000	.000	.000	.000	.000	8.000
15.000	.000	.000	.000	.000	.000	8.000
5.000	.000	.000	.000	.000	.000	

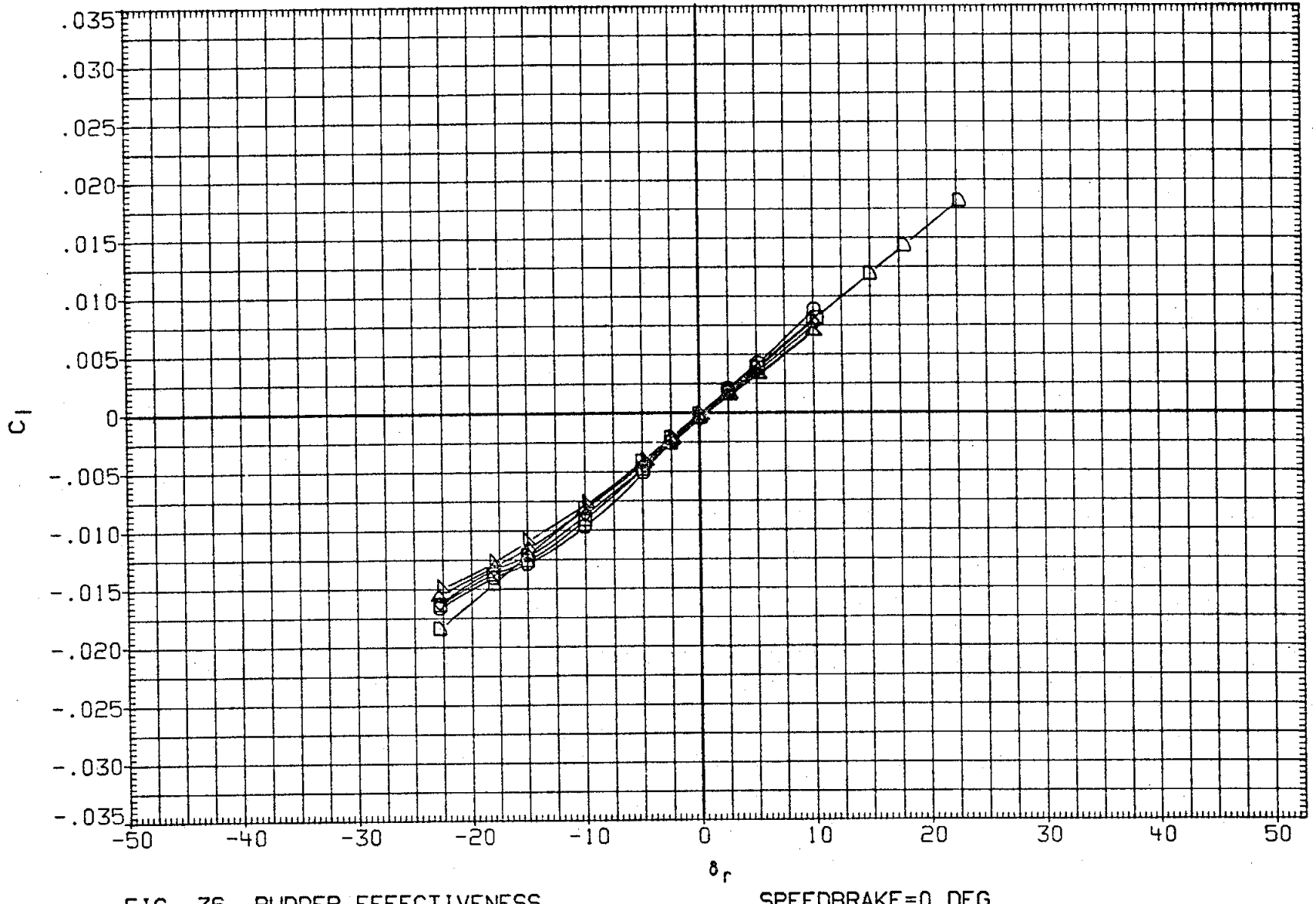


FIG. 36 RUDDER EFFECTIVENESS SPEEDBRAKE=0 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q060	○	ARC 218-1-12 0A101 (0V102)
R2Q070	□	ARC 218-1-12 0A101 (0V102)

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

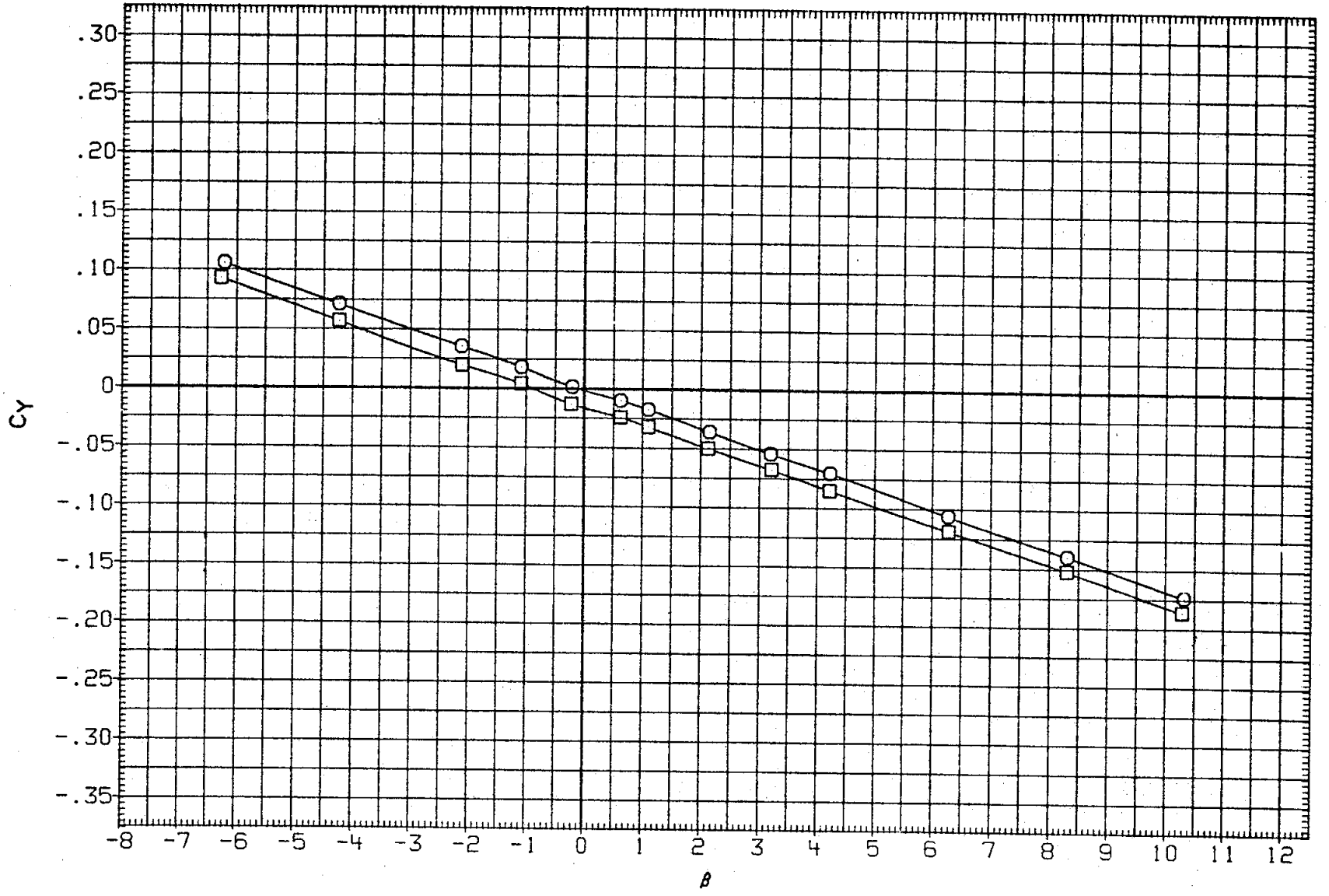


FIG. 37 EFFECT OF SIDESLIP ON RUDDER EFFECTIVENESS, ALPHA=5 DEG, SPEEDBRAKE=0 DEG

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q060	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	8.000	.000
R2Q070	□	ARC 218-1-12 0A101 (CV102)	5.000	.000	.000	.000	.000	8.000	-5.000

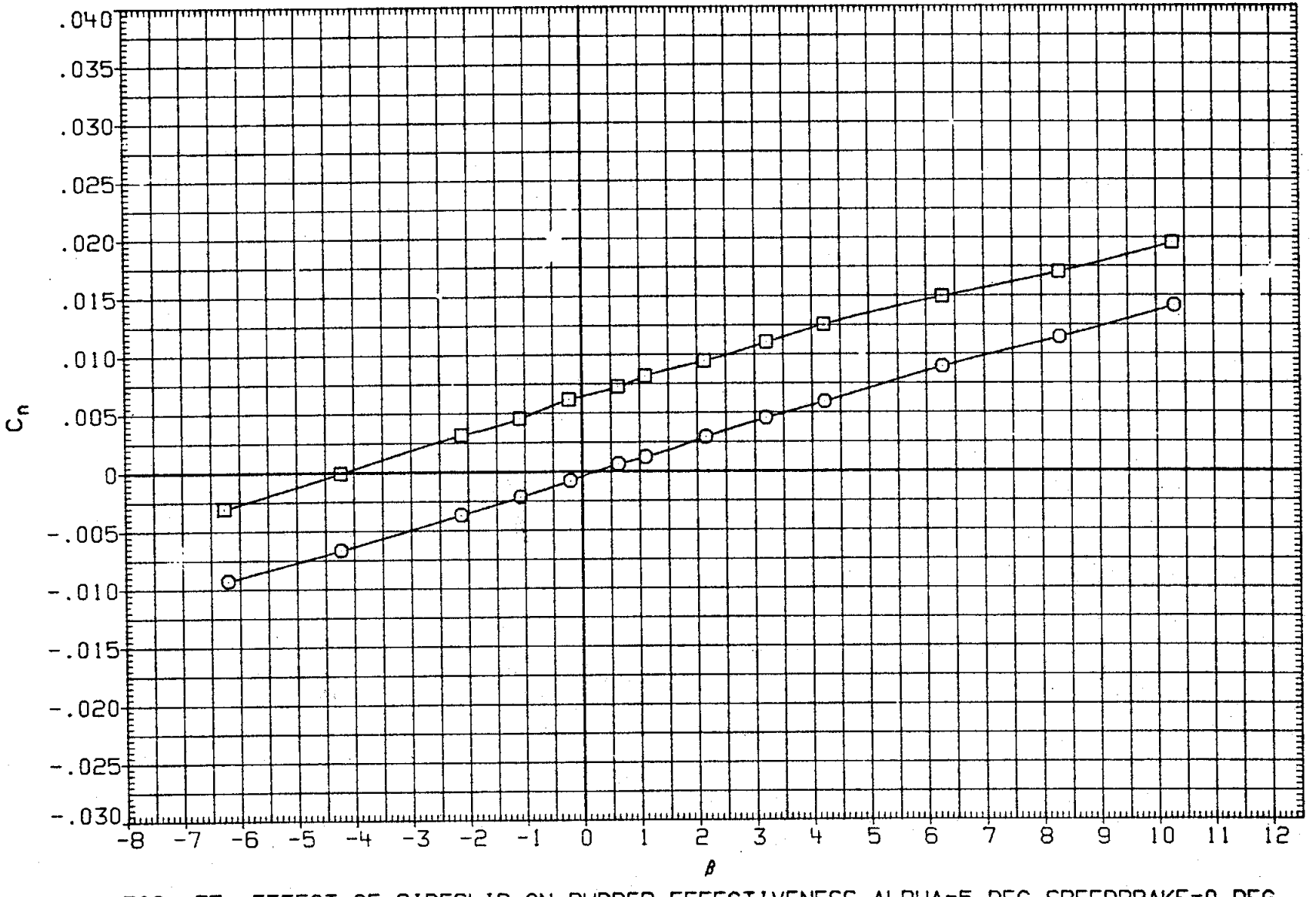


FIG. 37 EFFECT OF SIDESLIP ON RUDDER EFFECTIVENESS, ALPHA=5 DEG, SPEEDBRAKE=0 DEG

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q060	○	ARC 218-1-12 0A101 (0V102)
R2Q070	□	ARC 218-1-12 0A101 (0V102)

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

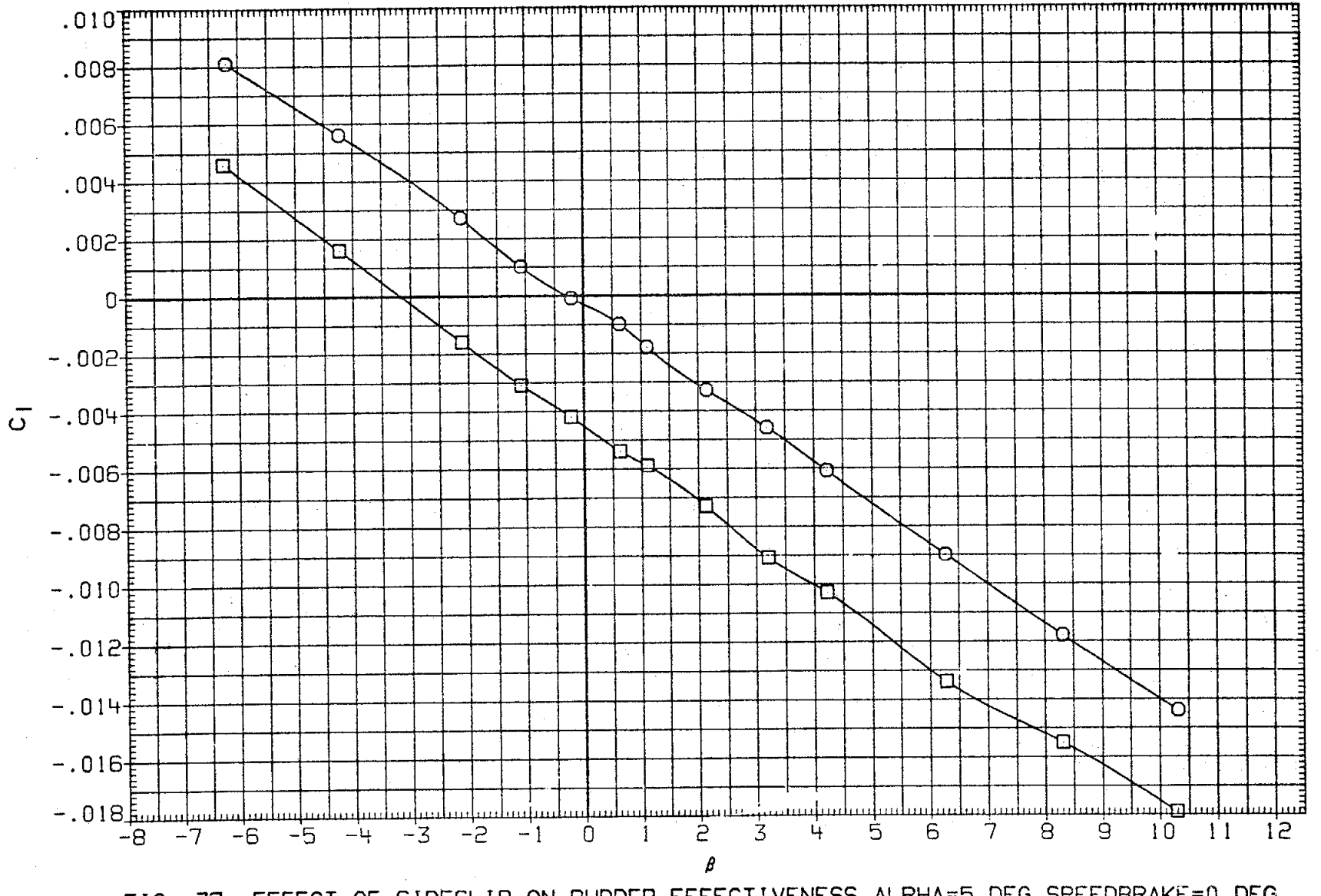


FIG. 37 EFFECT OF SIDESLIP ON RUDDER EFFECTIVENESS, ALPHA=5 DEG, SPEEDBRAKE=0 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
H2Q054	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	8.000	.000
H2Q073	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	8.000	.000

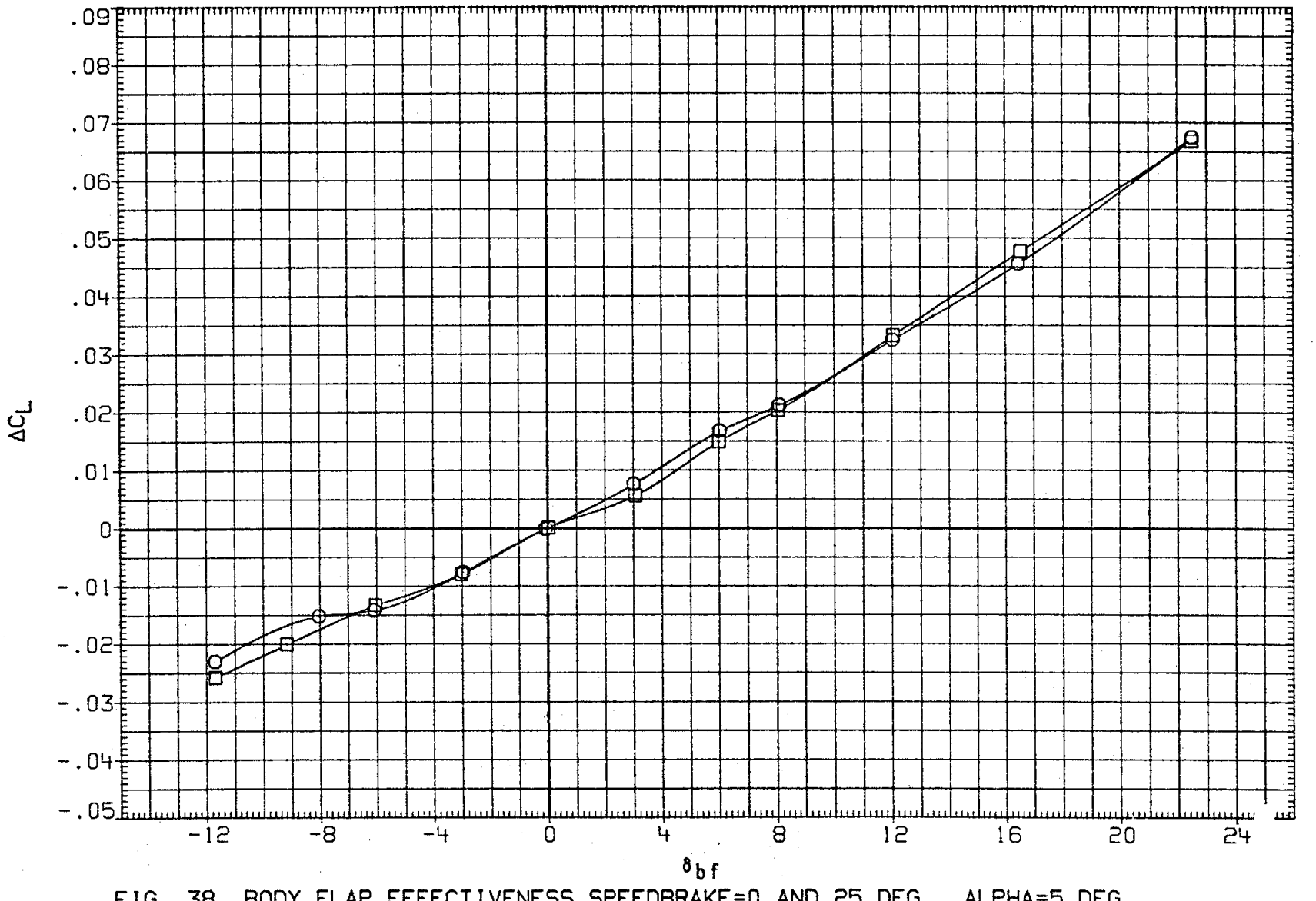


FIG. 38 BODY FLAP EFFECTIVENESS,SPEEDBRAKE=0 AND 25 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
H2Q054	○	ARC 218-1-12 0A101 (0V102)
H2Q073	□	ARC 218-1-12 0A101 (0V102)

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

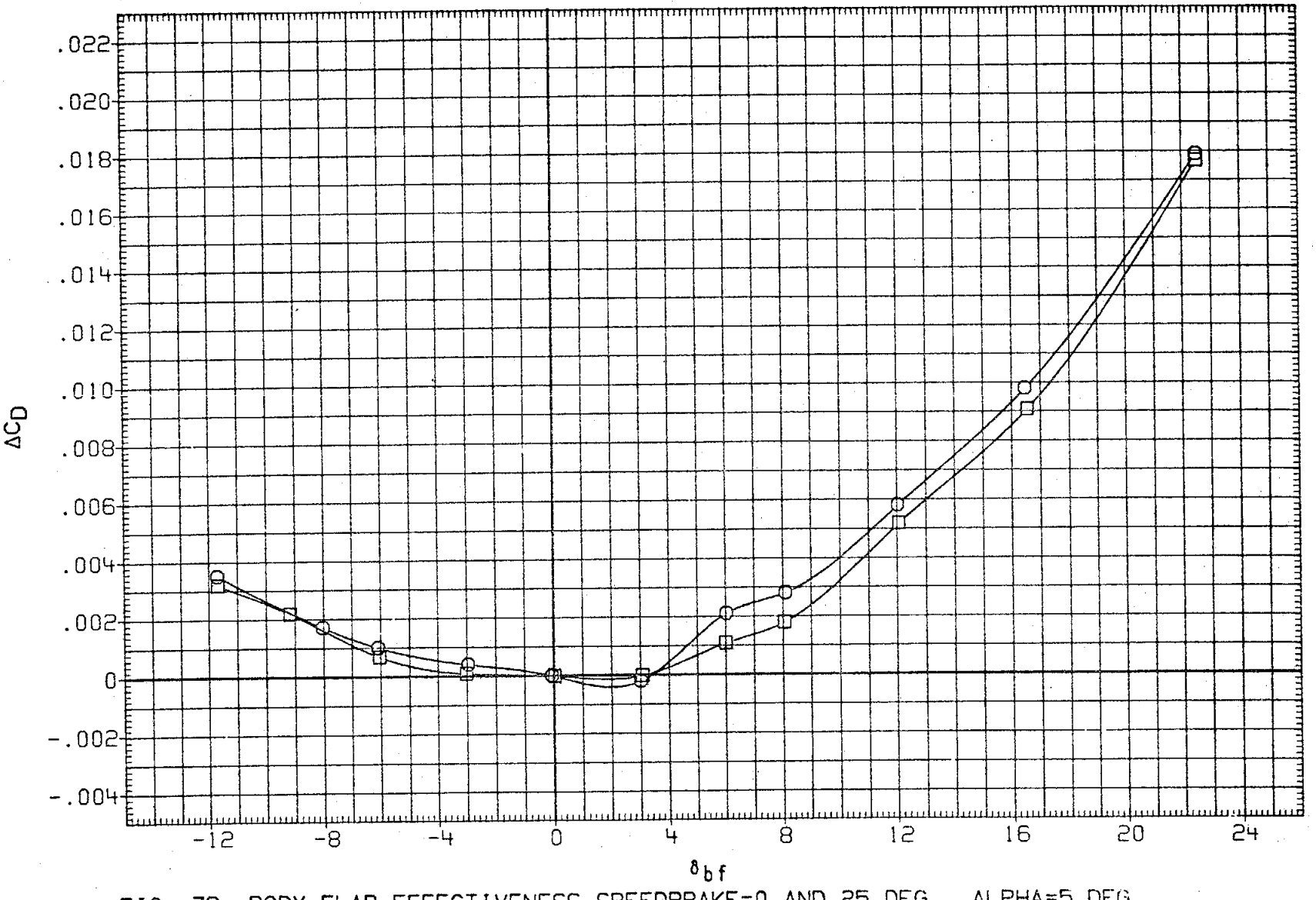


FIG. 38 BODY FLAP EFFECTIVENESS, SPEEDBRAKE=0 AND 25 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
H2Q054	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	8.000	.000
H2Q073	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	8.000	.000

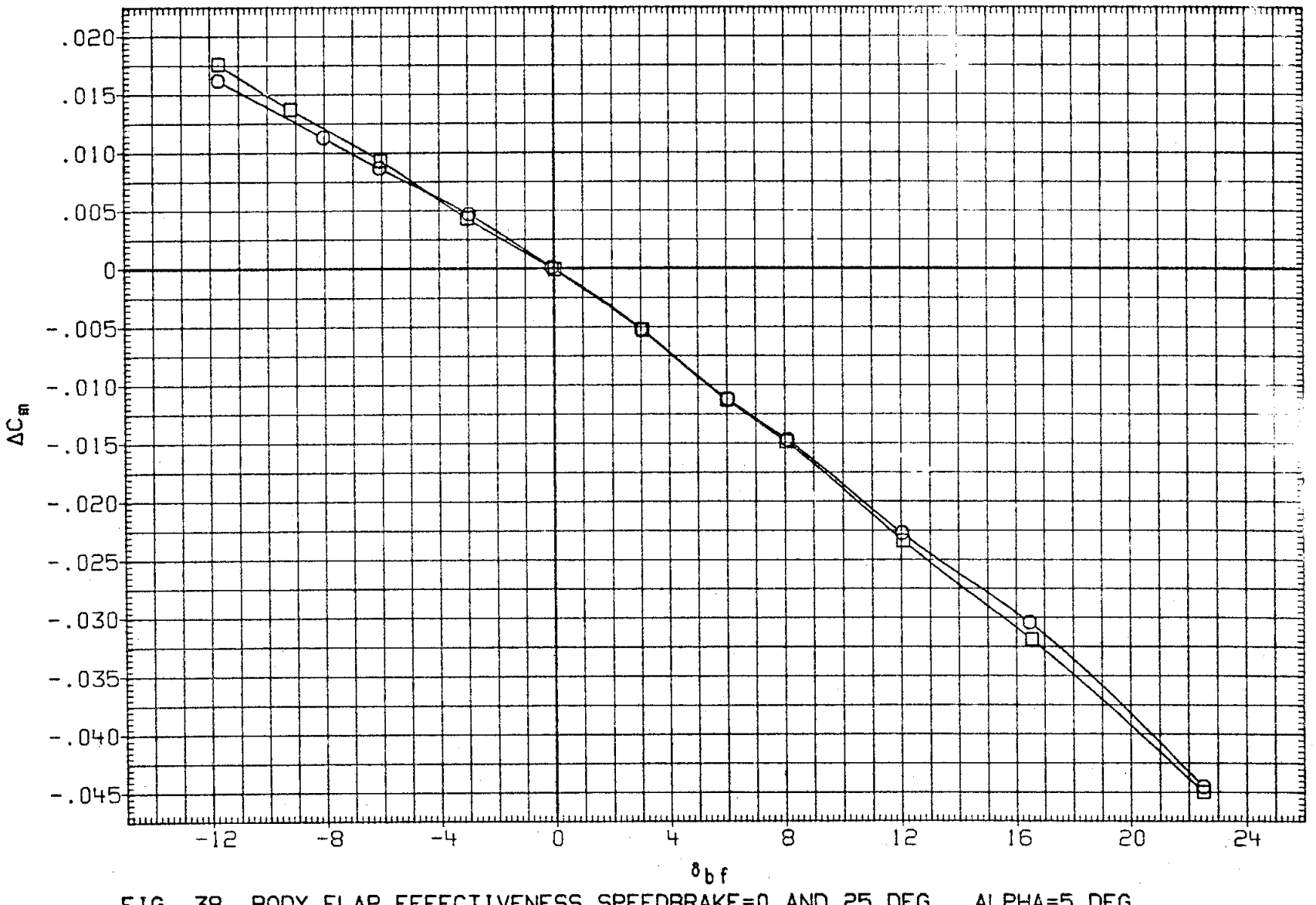


FIG. 38 BODY FLAP EFFECTIVENESS, SPEEDBRAKE=0 AND 25 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q010	○	ARC 218-1-12 OA101 (OV102), + LANDING GEAR	.000	.000	.000	.000	.000	8.000	.000
R2Q057	□	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	.000	8.000	.000
R2Q016	◇	ARC 218-1-12 OA101 (OV102), + LANDING GEAR	.000	.000	.000	.000	.000	5.000	.000
R2Q056	△	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	.000	5.000	.000

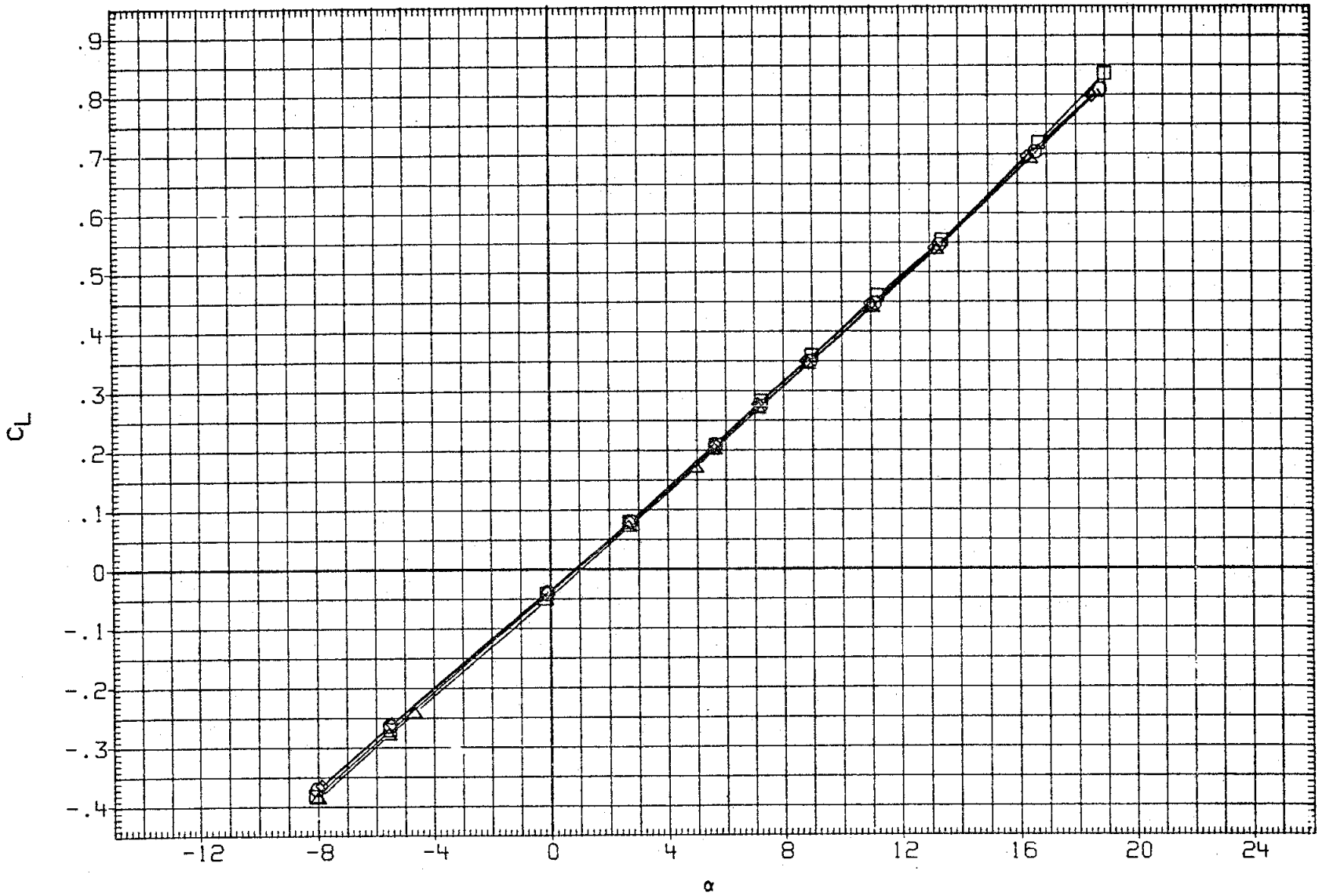


FIG. 39 LANDING GEAR LONG. INCREMENT, SPEEDBRAKE=0 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q010	○	ARC 218-1-12 0A101 (OV102), + LANDING GEAR	.000	.000	.000	.000	.000	8.000	.000
R2Q057	□	ARC 218-1-12 0A101 (OV102)	.000	.000	.000	.000	.000	8.000	.000
R2Q016	◇	ARC 218-1-12 0A101 (OV102), + LANDING GEAR	.000	.000	.000	.000	.000	5.000	.000
R2Q056	△	ARC 218-1-12 0A101 (OV102)	.000	.000	.000	.000	.000	5.000	.000

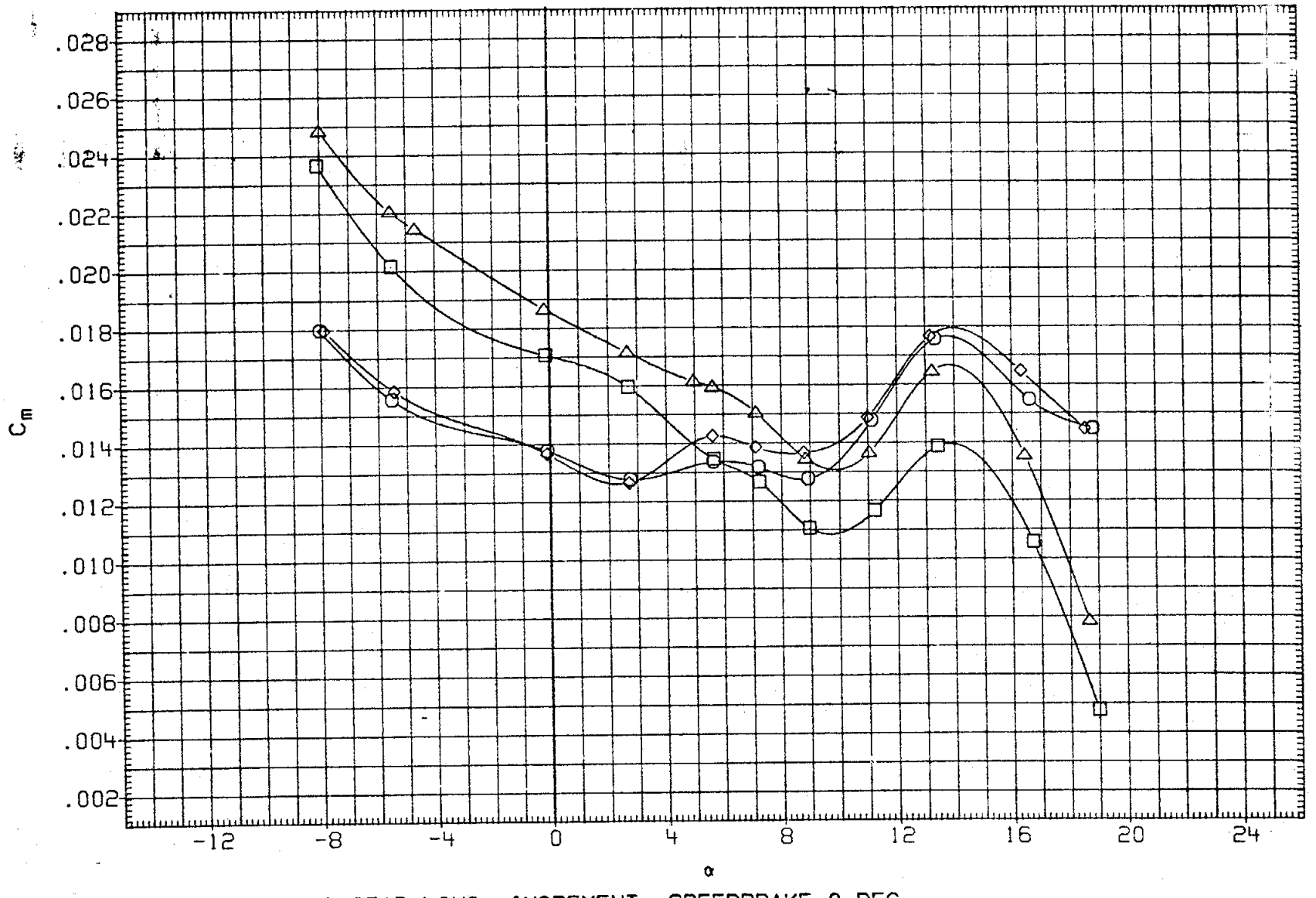


FIG. 39 LANDING GEAR LONG. INCREMENT, SPEEDBRAKE=0 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q010	○	ARC 218-1-12 0A101 (OV102), + LANDING GEAR	.000	.000	.000	.000	.000	8.000	.000
R2Q057	□	ARC 218-1-12 0A101 (OV102)	.000	.000	.000	.000	.000	8.000	.000
R2Q016	◇	ARC 218-1-12 0A101 (OV102), + LANDING GEAR	.000	.000	.000	.000	.000	5.000	.000
R2Q056	△	ARC 218-1-12 0A101 (OV102)	.000	.000	.000	.000	.000	5.000	.000

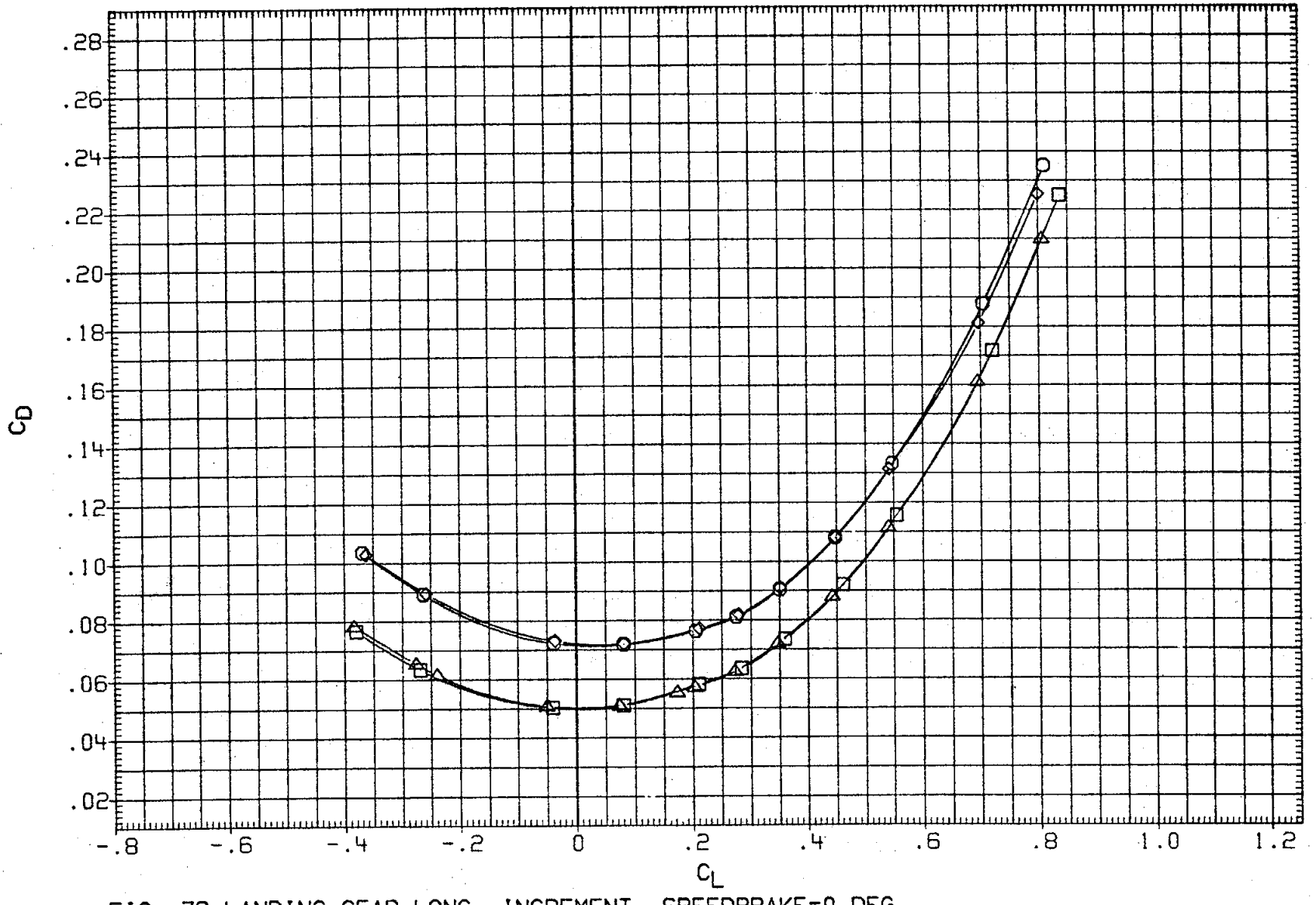


FIG. 39 LANDING GEAR LONG. INCREMENT, SPEEDBRAKE=0 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q010	○	ARC 218-1-12 0A101 (0V102), + LANDING GEAR	.000	.000	.000	.000	.000	8.000	.000
R2Q057	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	.000	8.000	.000
R2Q016	◇	ARC 218-1-12 0A101 (0V102), + LANDING GEAR	.000	.000	.000	.000	.000	5.000	.000
R2Q056	△	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	.000	5.000	.000

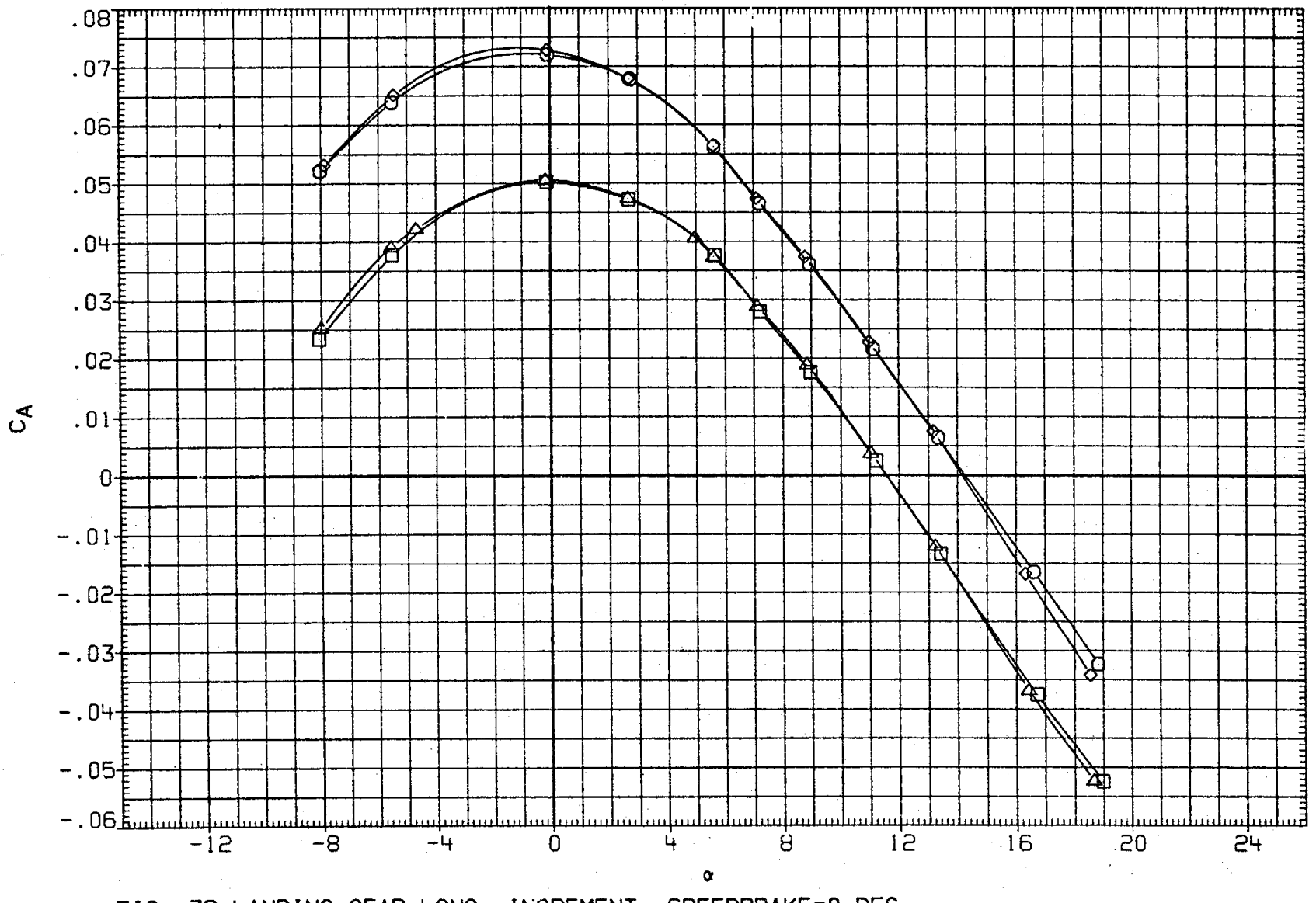


FIG. 39 LANDING GEAR LONG. INCREMENT, SPEEDBRAKE=0 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q012	○	ARC 218-1-12 0A101 (0V102), + LANDING GEAR	5.000	.000	.000	.000	.000	8.000	.000
R2Q060	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	8.000	.000

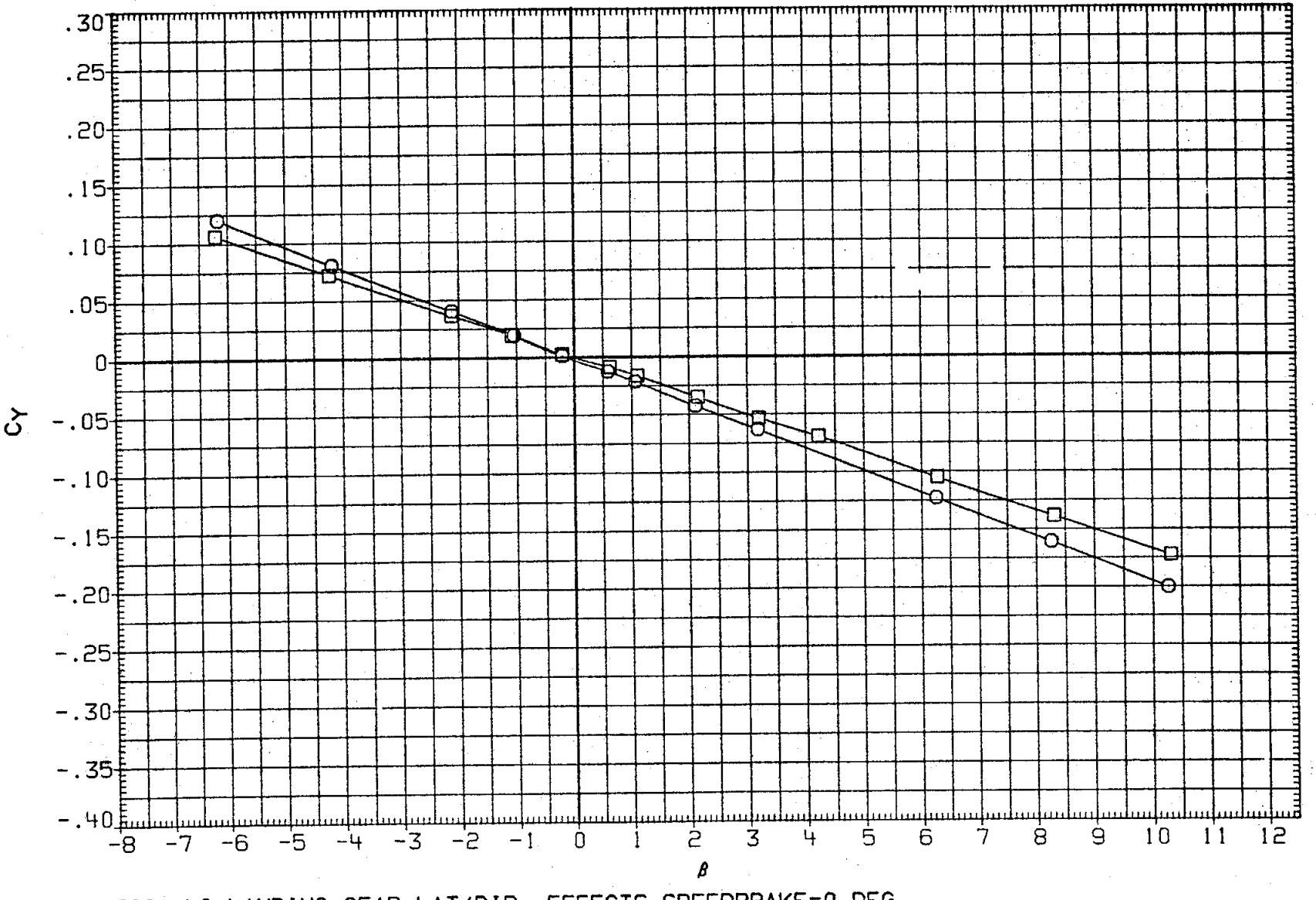


FIG. 40 LANDING GEAR LAT/DIR. EFFECTS,SPEEDBRAKE=0 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q012	○	ARC 218-1-12 0A101 (0V102), + LANDING GEAR	5.000	.000	.000	.000	.000	8.000	.000
R2Q060	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	8.000	.000

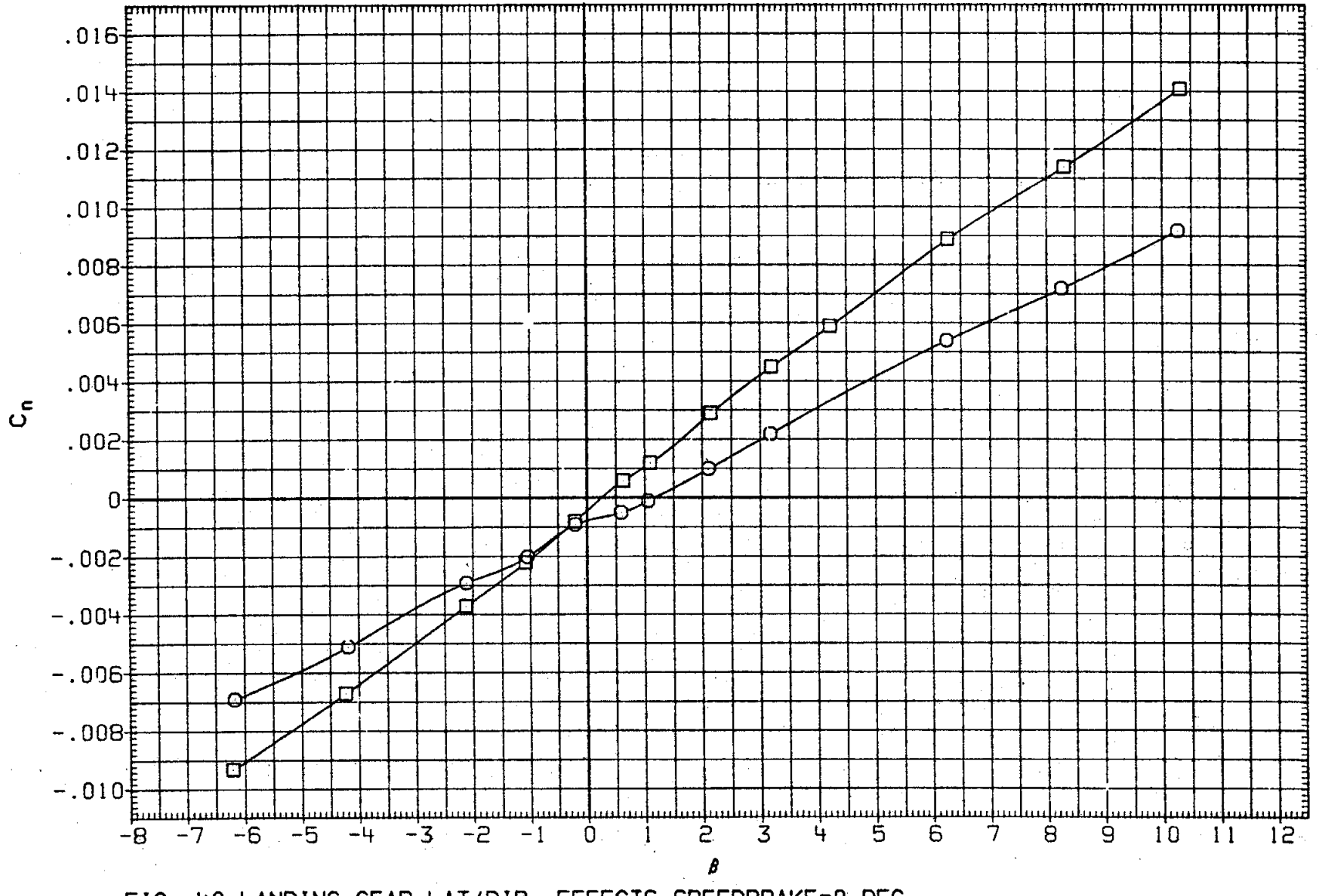


FIG. 40 LANDING GEAR LAT/DIR. EFFECTS,SPEEDBRAKE=0 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q012	○	ARC 218-1-12 OA101 (OV102), + LANDING GEAR	5.000	.000	.000	.000	.000	8.000	.000
R2Q060	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	8.000	.000

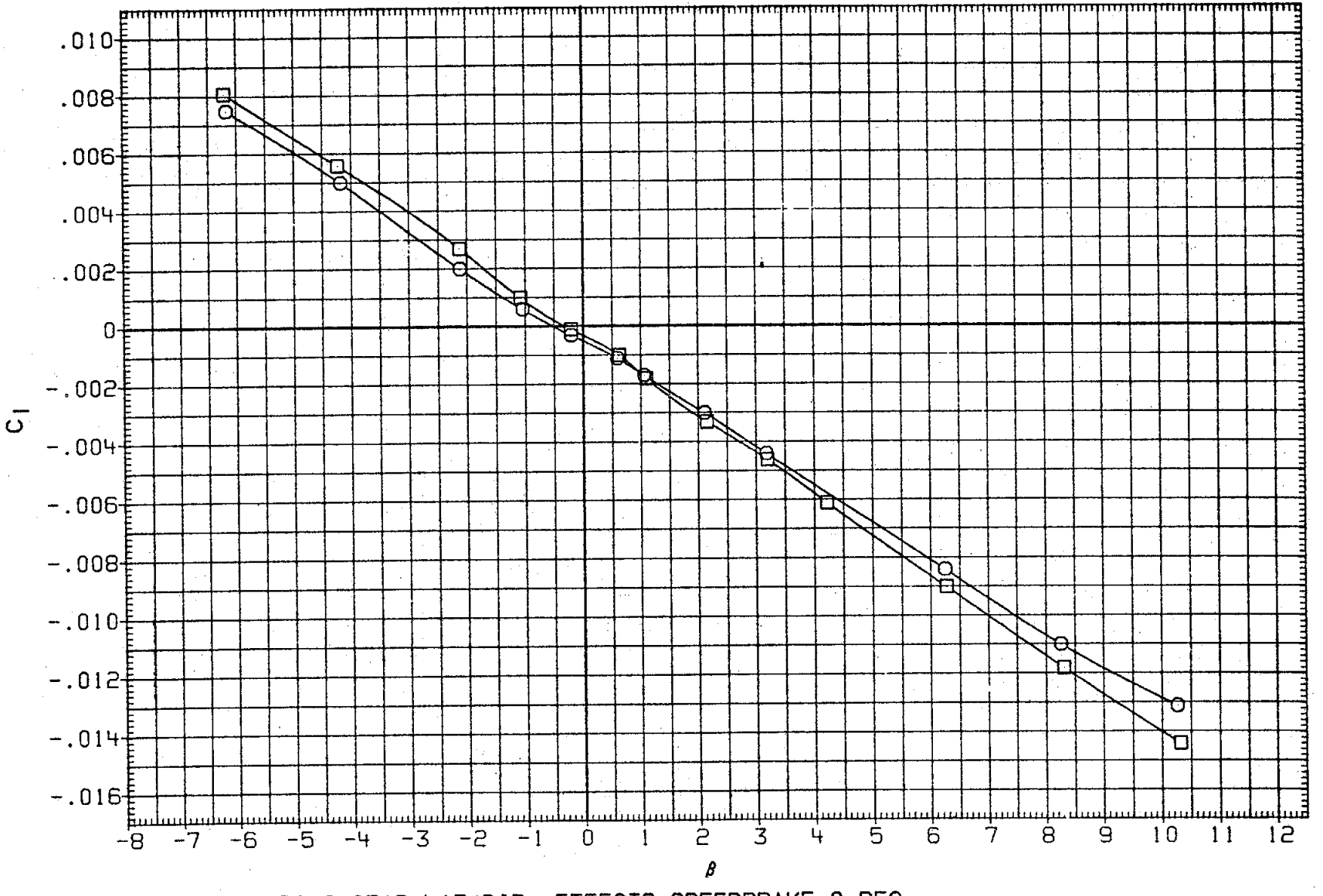


FIG. 40 LANDING GEAR LAT/DIR. EFFECTS, SPEEDBRAKE=0 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
H2Q015	○	ARC 218-1-12 0A101 (0V102), + LANDING GEAR	5.000	.000	.000	.000	.000	8.000	.000
H2Q073	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	8.000	.000

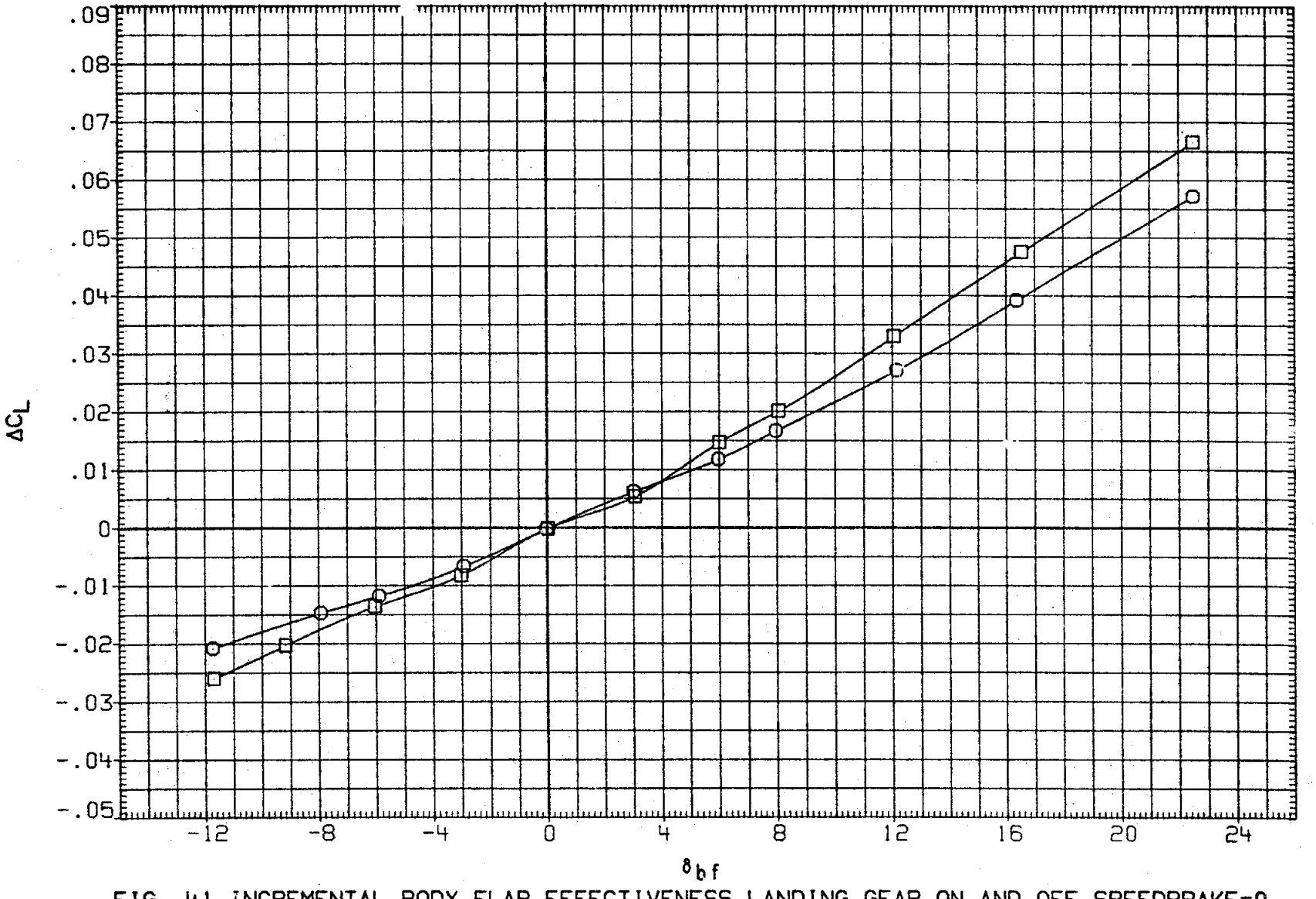


FIG. 41 INCREMENTAL BODY FLAP EFFECTIVENESS, LANDING GEAR ON AND OFF, SPEEDBRAKE=0

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
H2Q015	○	ARC 218-1-12 OA101 (OV102), + LANDING GEAR	5.000	.000	.000	.000	.000	8.000	.000
H2Q073	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	8.000	.000

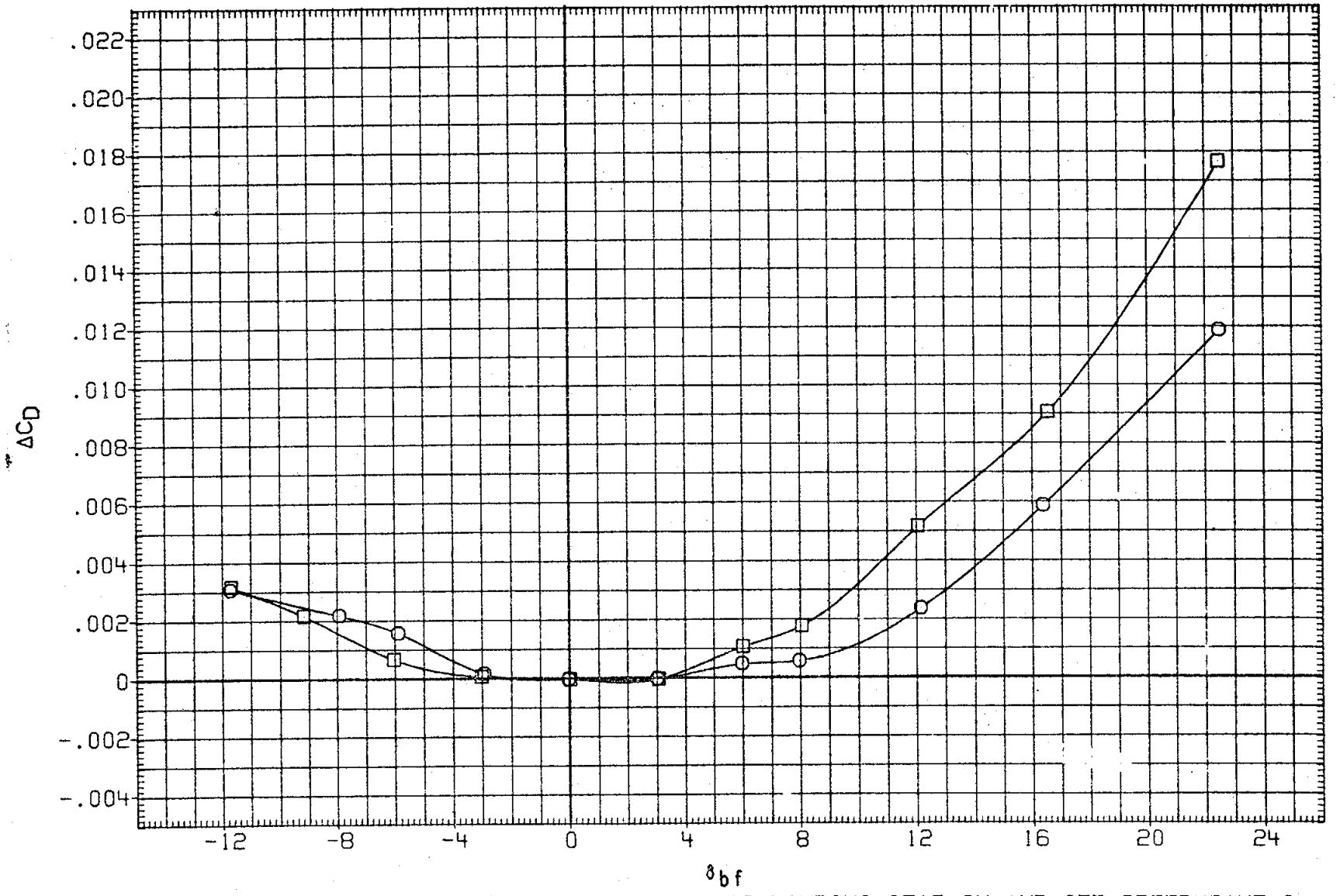


FIG. 41 INCREMENTAL BODY FLAP EFFECTIVENESS, LANDING GEAR ON AND OFF, SPEEDBRAKE=0

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RN/L	RUDDER
H2Q015	○	ARC 218-1-12 0A101 (0V102), + LANDING GEAR	5.000	.000	.000	.000	.000	8.000	.000
H2Q073	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	8.000	.000

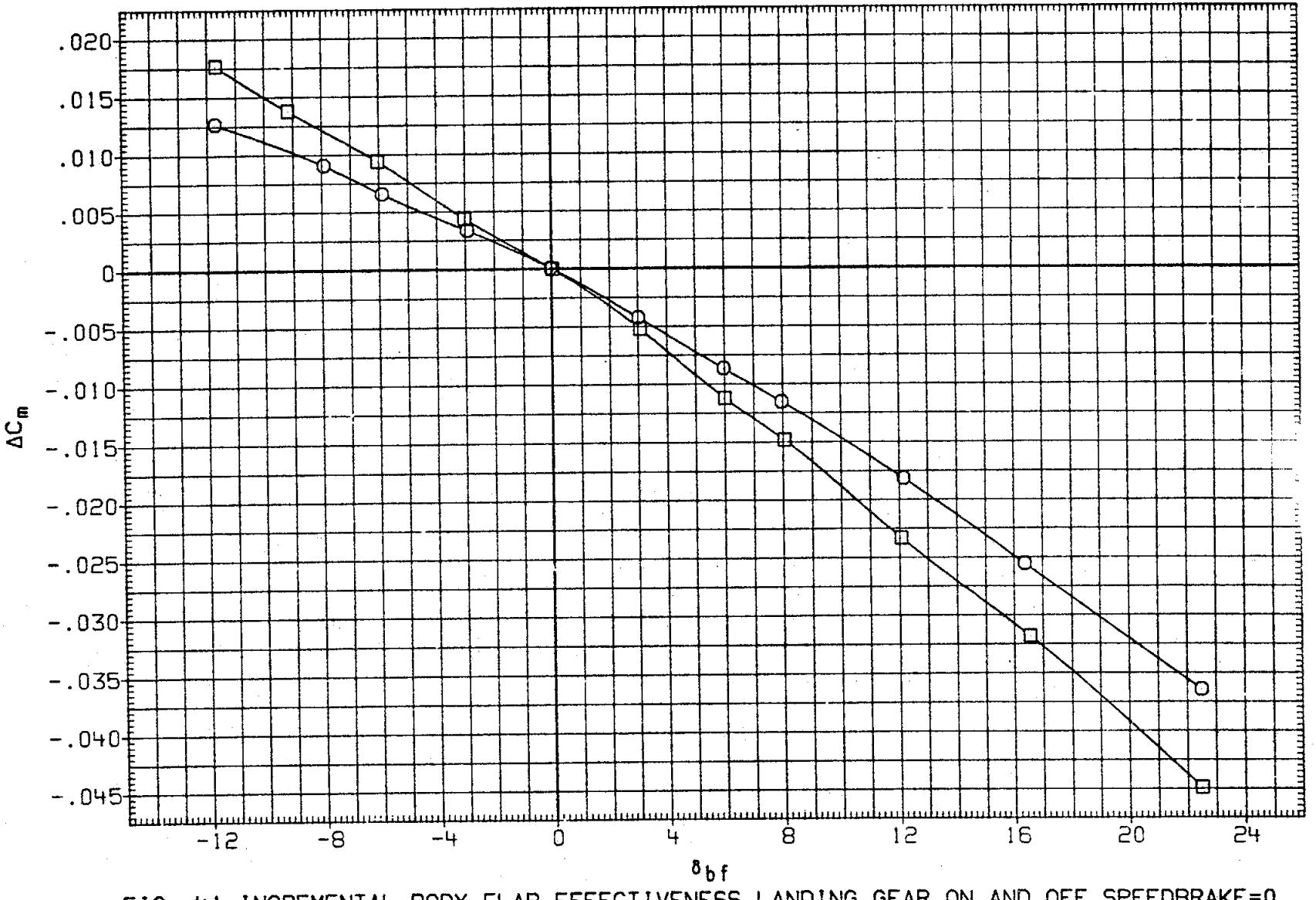


FIG. 41 INCREMENTAL BODY FLAP EFFECTIVENESS, LANDING GEAR ON AND OFF, SPEEDBRAKE=0

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
H2Q014	○	ARC 218-1-12 0A101 (OV102), + LANDING GEAR	5.000	.000	.000	.000	.000	8.000	.000
H2Q015	□	ARC 218-1-12 0A101 (OV102)	5.000	.000	.000	.000	25.000	8.000	.000

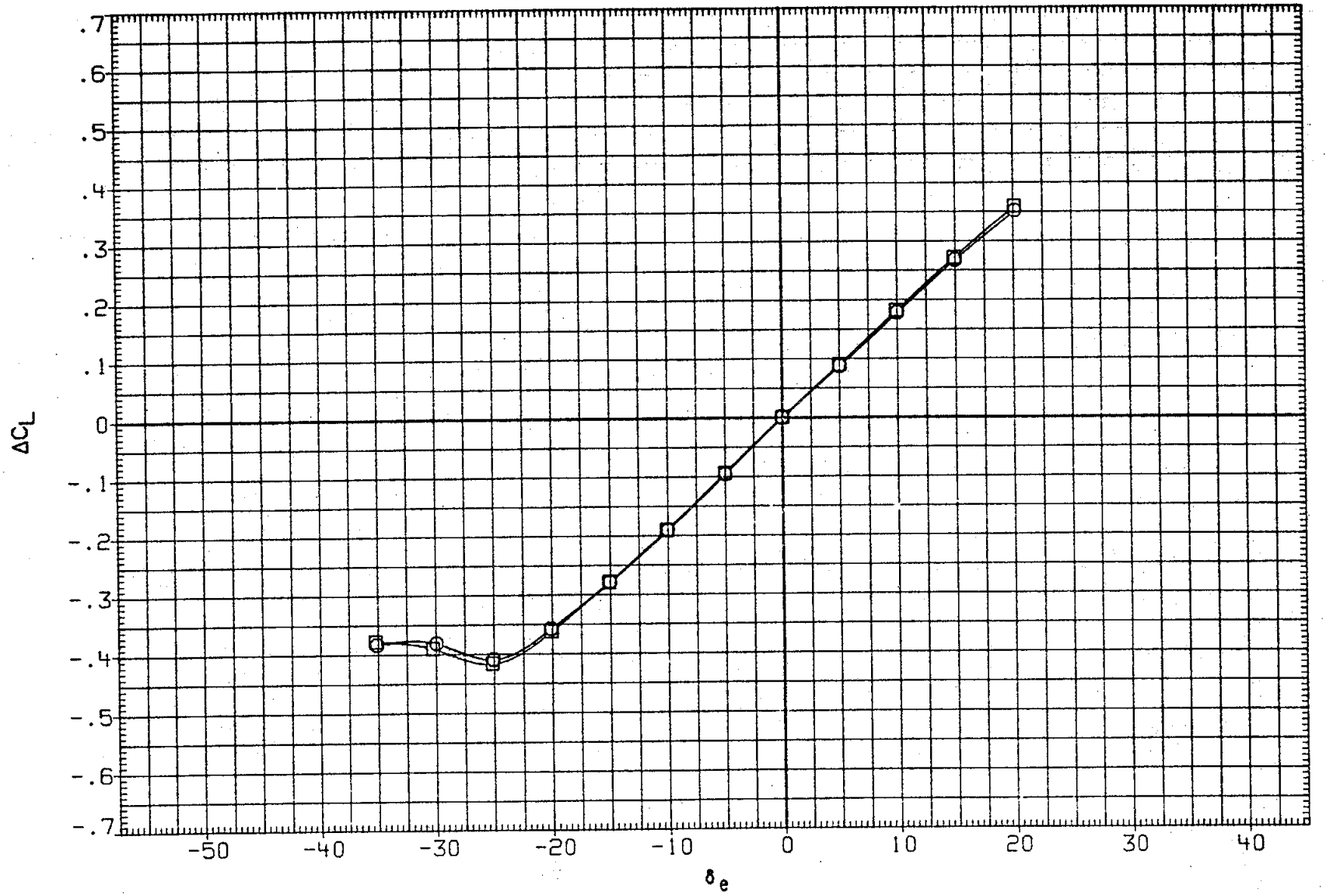


FIG. 42 INCREMENTAL ELEVON EFFECTIVENESS, LANDING GEAR ON / OFF, SPDBRK=0, ALPHA=5

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
H2Q014	○	ARC 218-1-12 0A101 (0V102), + LANDING GEAR	5.000	.000	.000	.000	.000	8.000	.000
H2Q015	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	8.000	.000

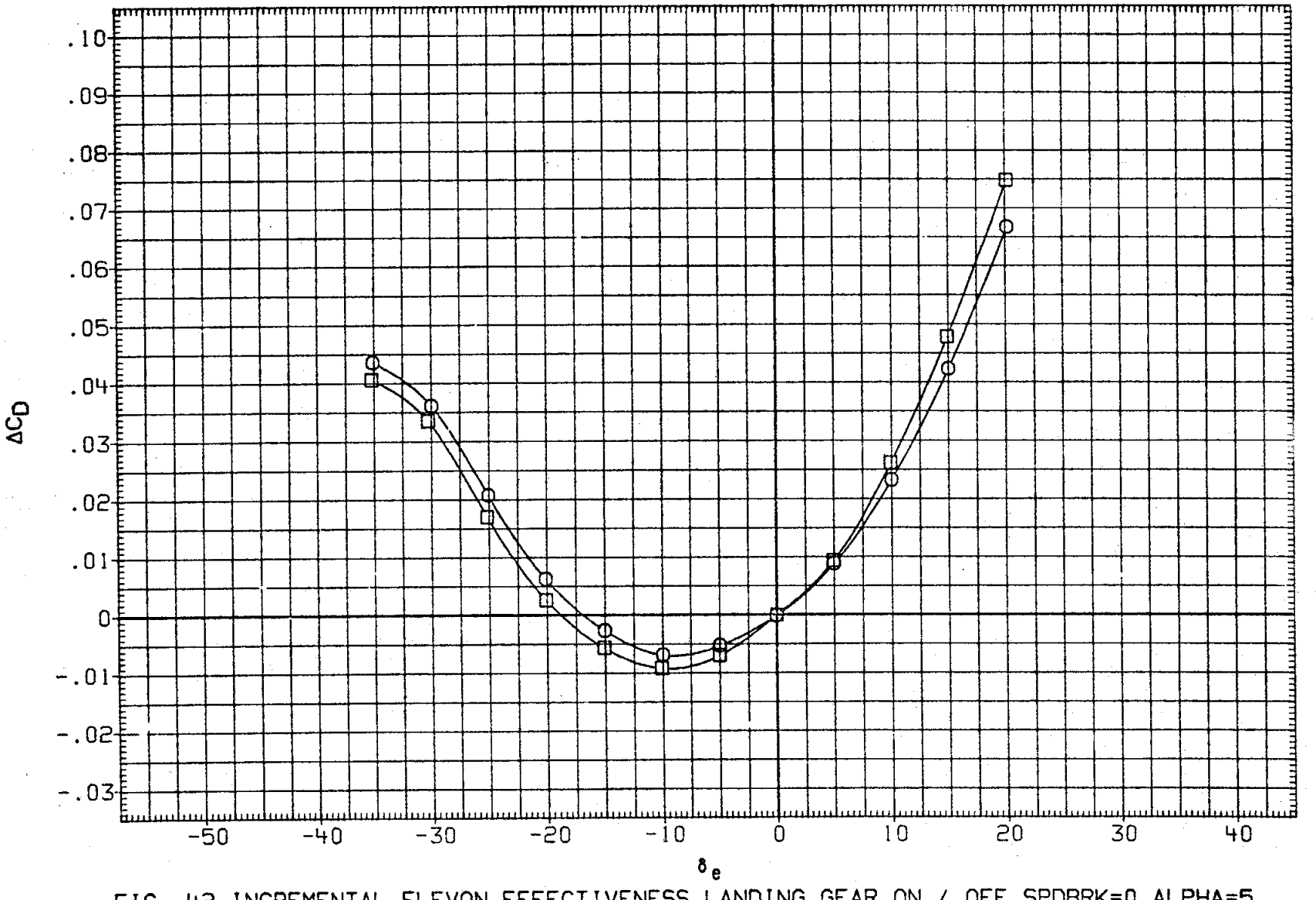


FIG. 42 INCREMENTAL ELEVON EFFECTIVENESS, LANDING GEAR ON / OFF, SPDBRK=0, ALPHA=5

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
H2Q014	○	ARC 218-1-12 0A101 (0V102), + LANDING GEAR	5.000	.000	.000	.000	.000	8.000	.000
H2Q015	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	8.000	.000

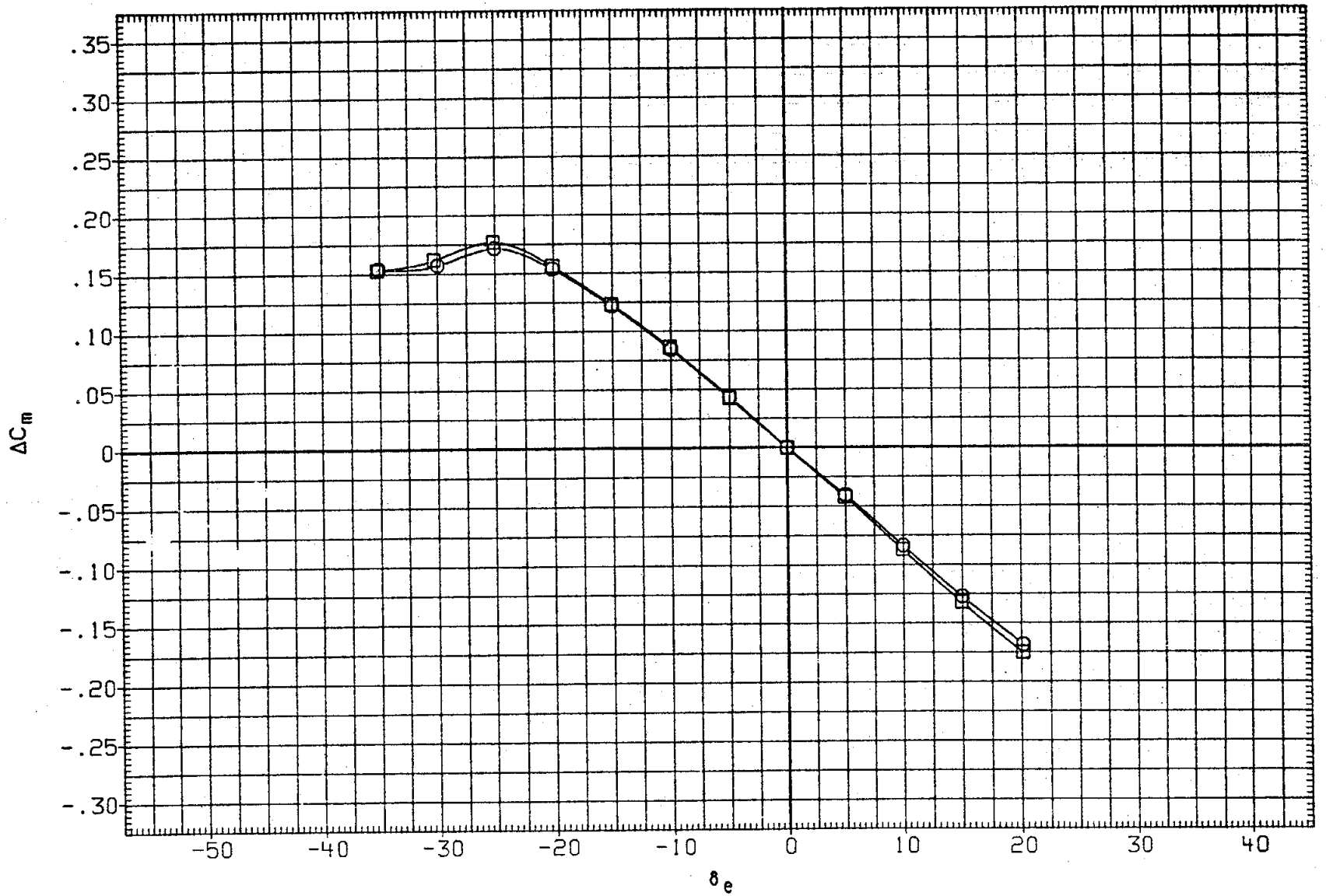


FIG. 42 INCREMENTAL ELEVON EFFECTIVENESS, LANDING GEAR ON / OFF, SPDBRK=0, ALPHA=5

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q074	O	ARC 218-1-12 0A101 (OV102)	.000	.000	.000	.000	7.500	5.000	.000

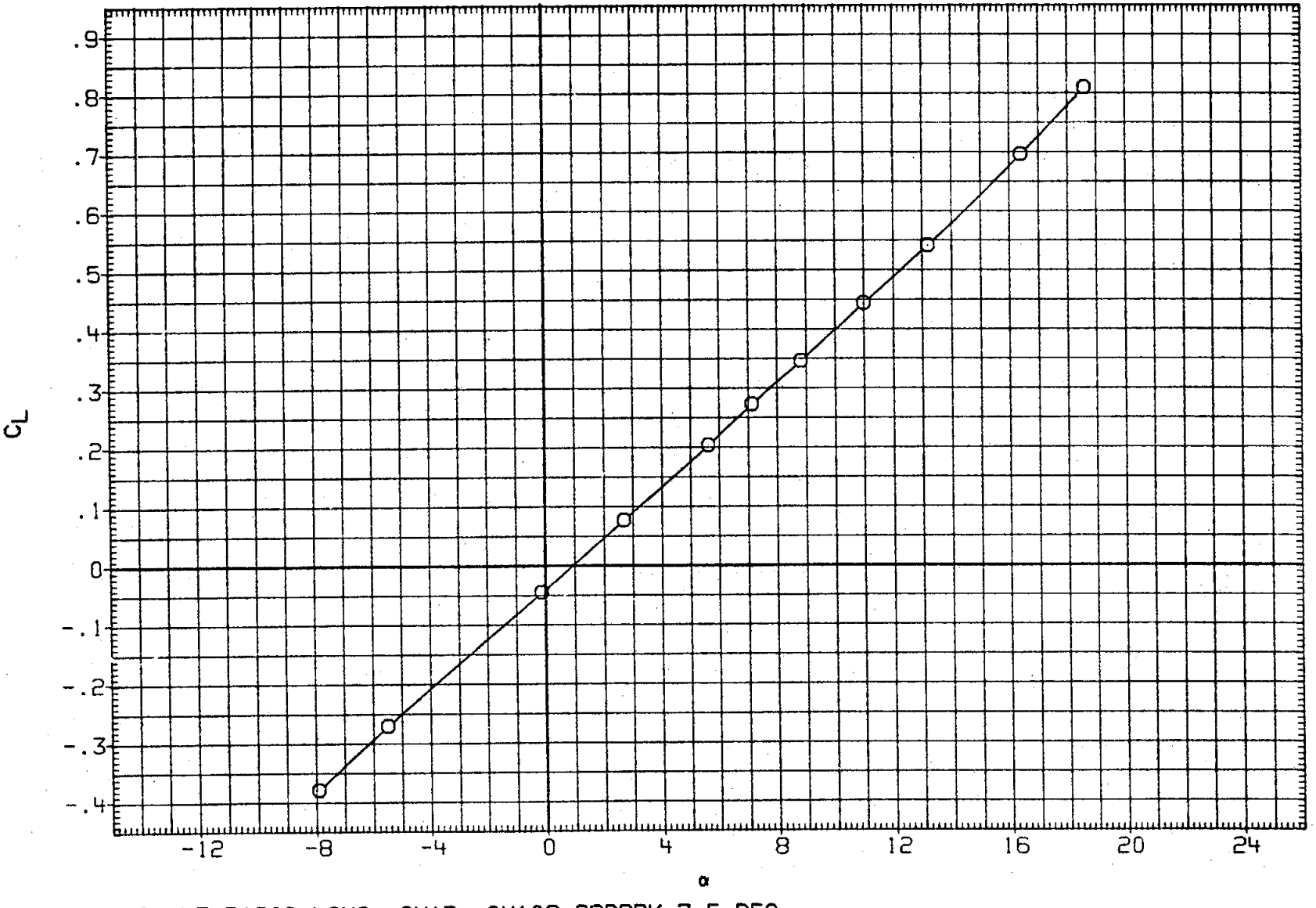


FIG. 43 BASIC LONG. CHAR. OV102,SPDBRK=7.5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q074	○	ARC 218-1-12 0A101 (OV102)	.000	.000	.000	.000	7.500	5.000	.000

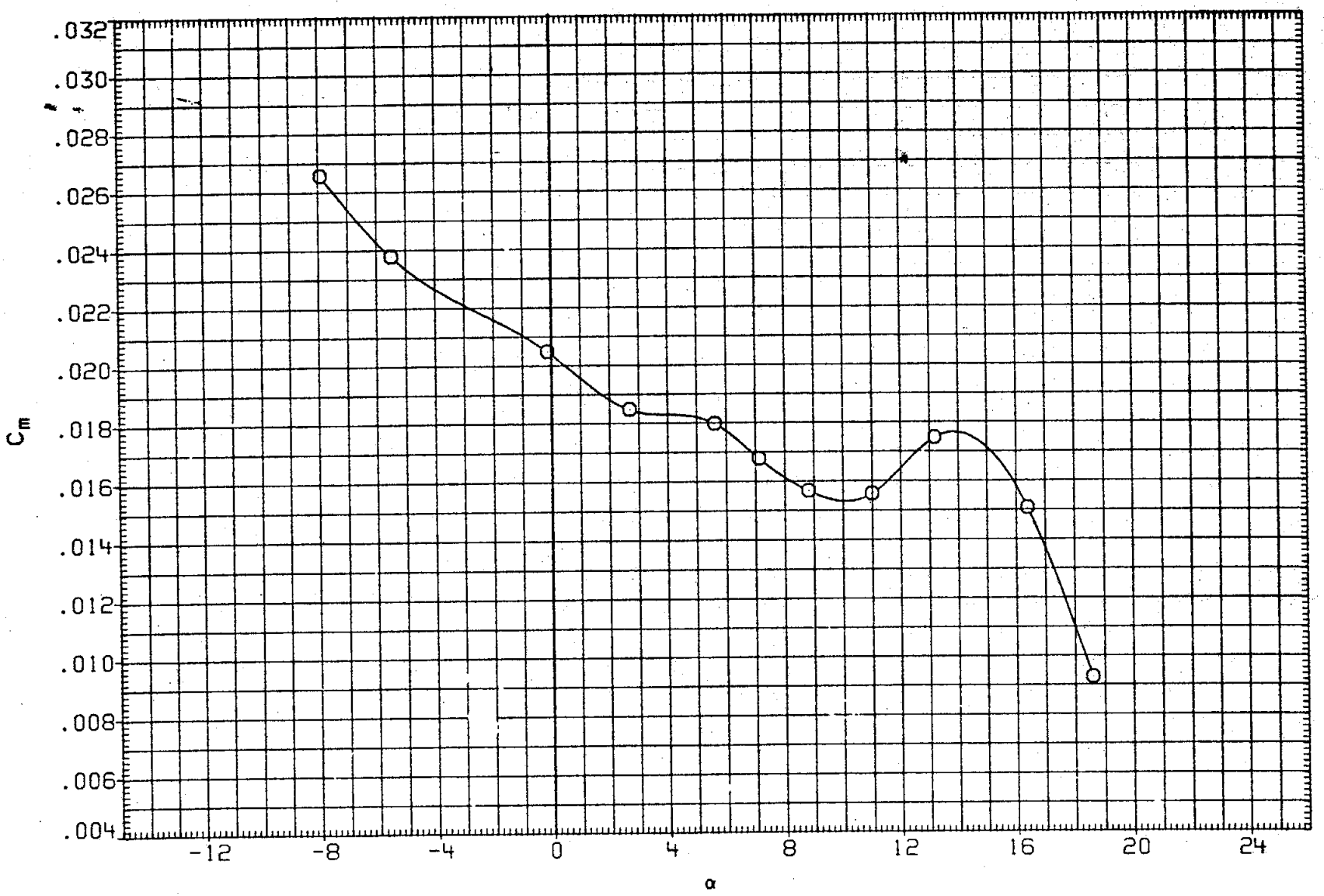


FIG. 43 BASIC LONG. CHAR. OV102,SPDBRK=7.5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R20074	O	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	7.500	5.000	.000

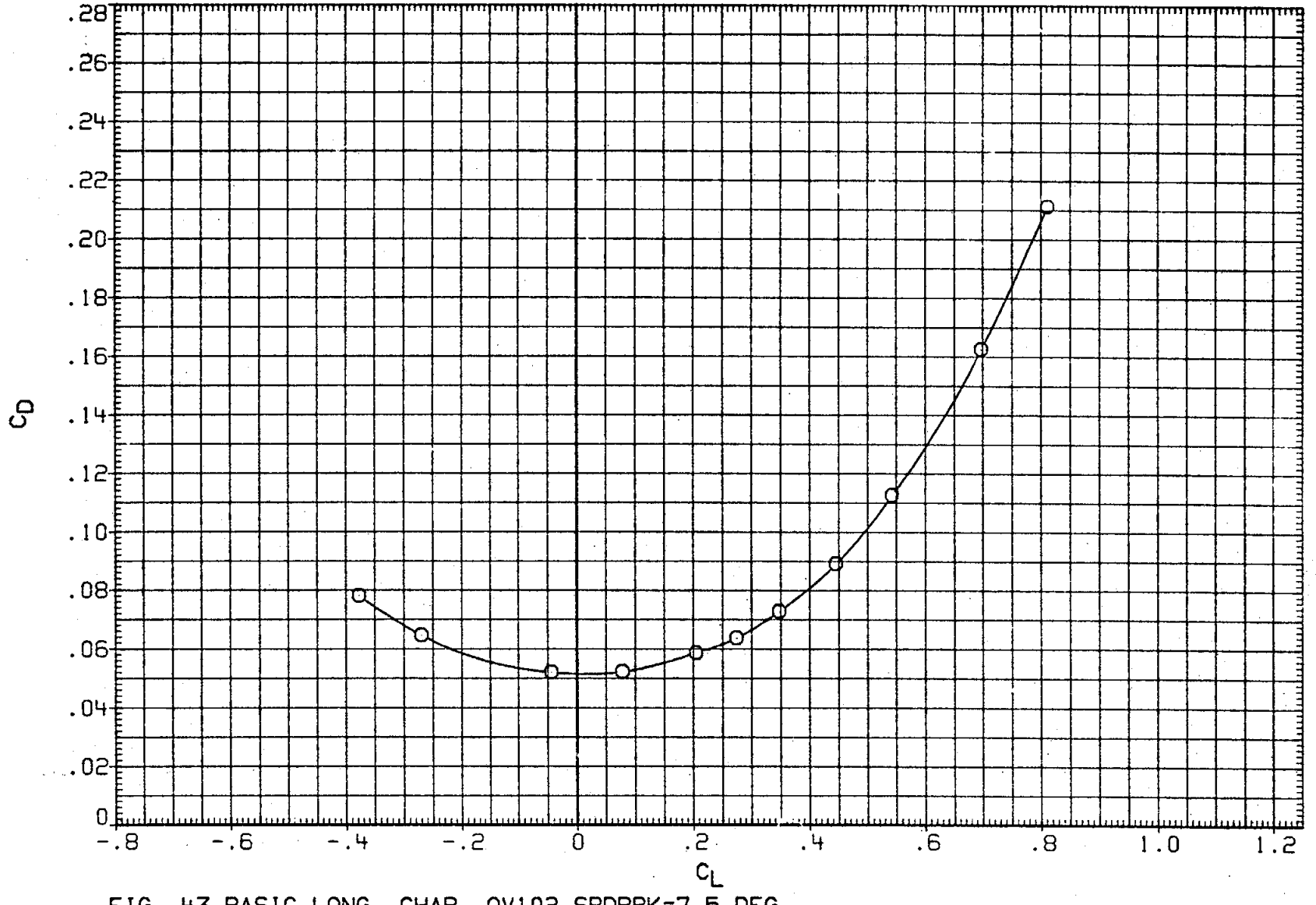


FIG. 43 BASIC LONG. CHAR. 0V102,SPDBRK=7.5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q074	O	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	7.500	5.000	.000

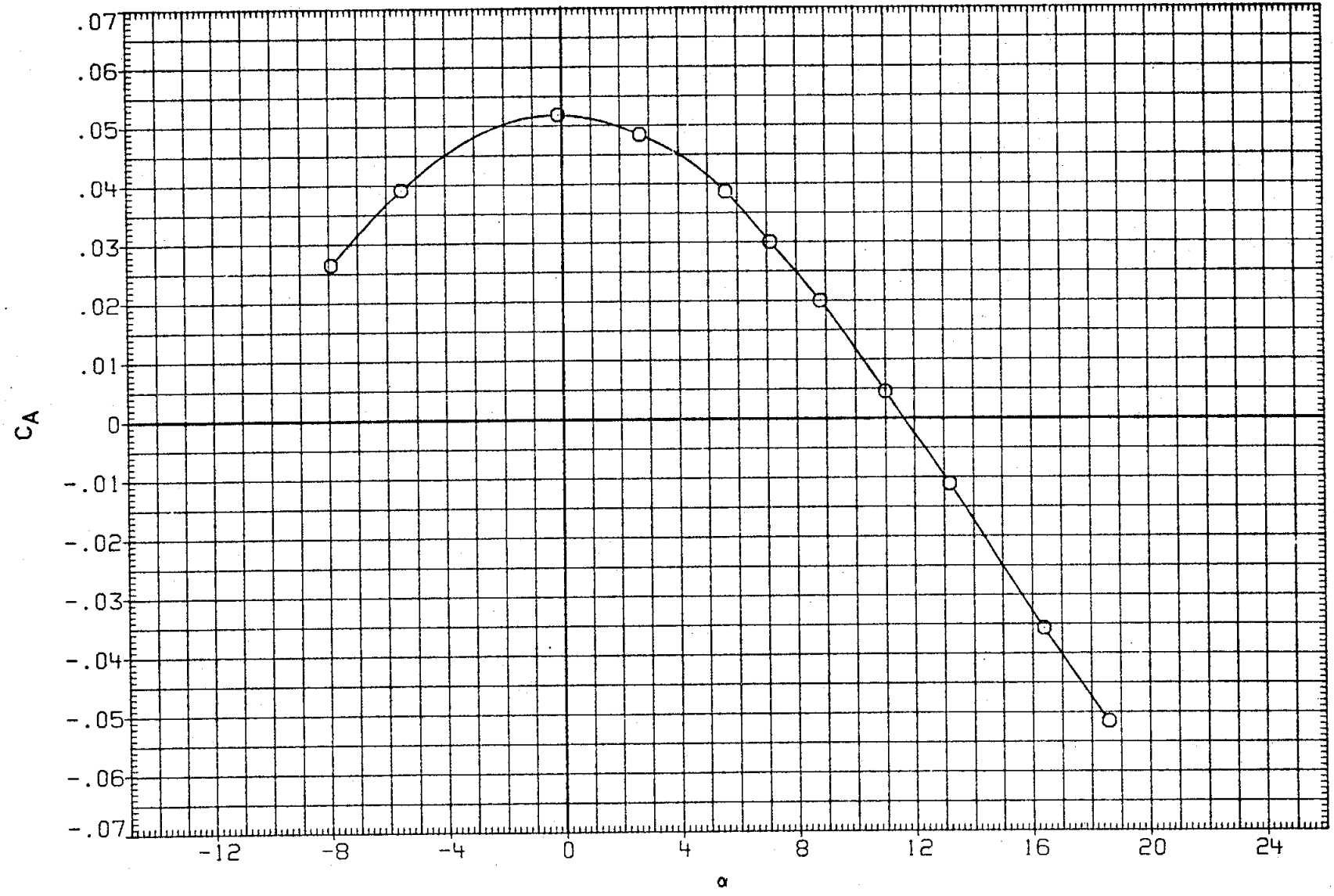


FIG. 43 BASIC LONG. CHAR. OV102,SPDBRK=7.5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q076	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	7.500	5.000	.000

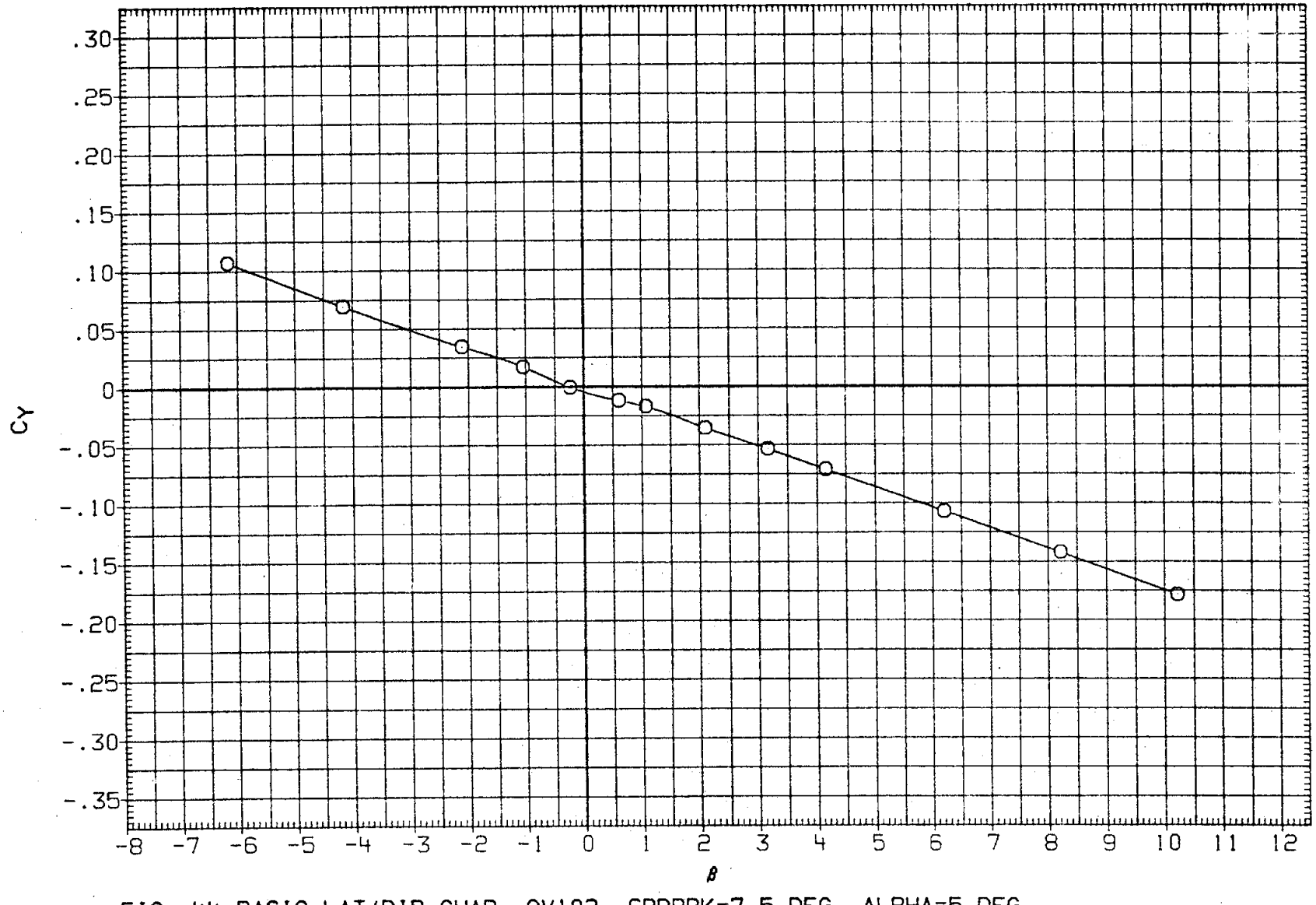


FIG. 44 BASIC LAT/DIR CHAR. 0V102, SPDBRK=7.5 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q076	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	7.500	5.000	.000

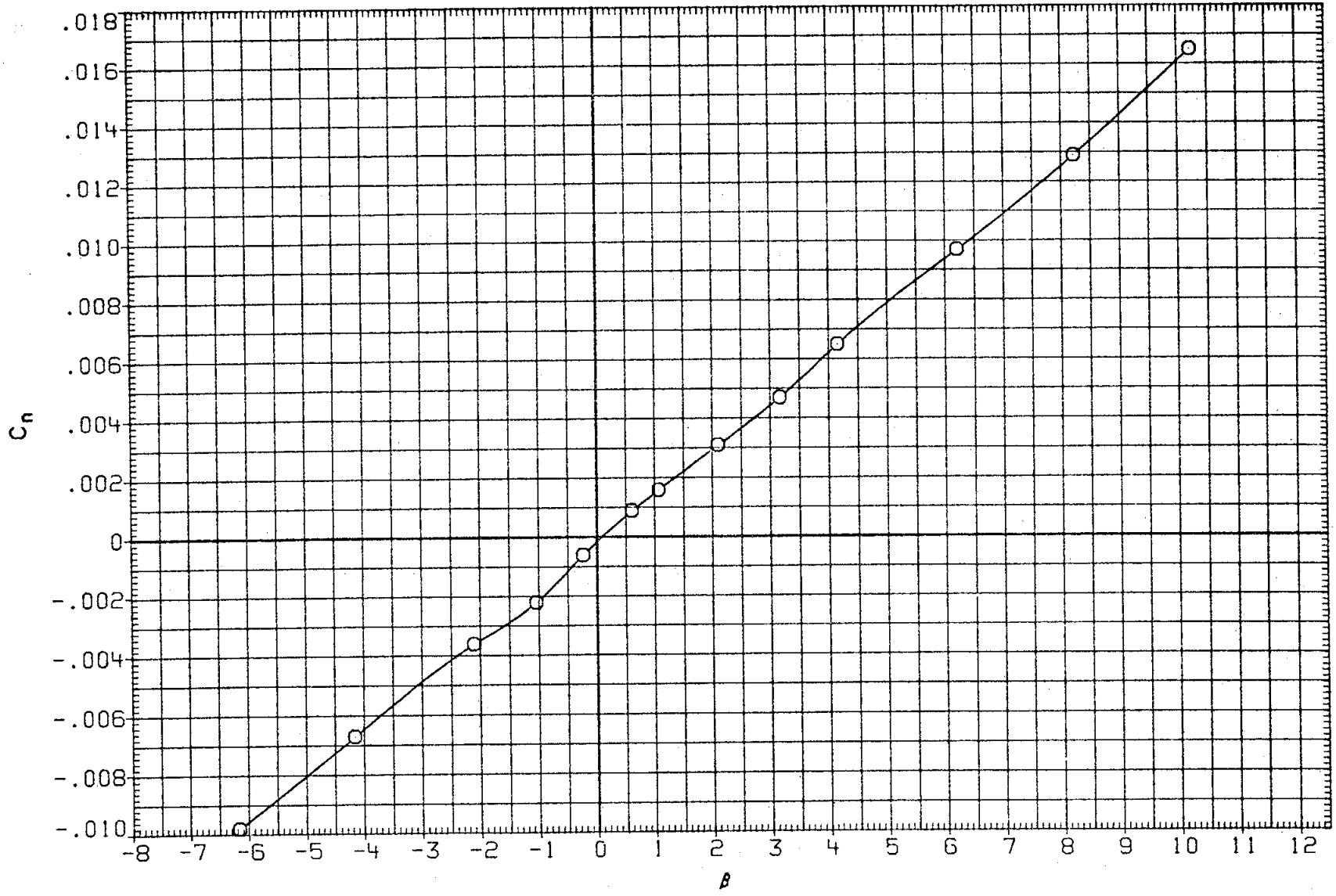


FIG. 44 BASIC LAT/DIR CHAR. 0V102, SPDBRK=7.5 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R20076	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	7.500	5.000	.000

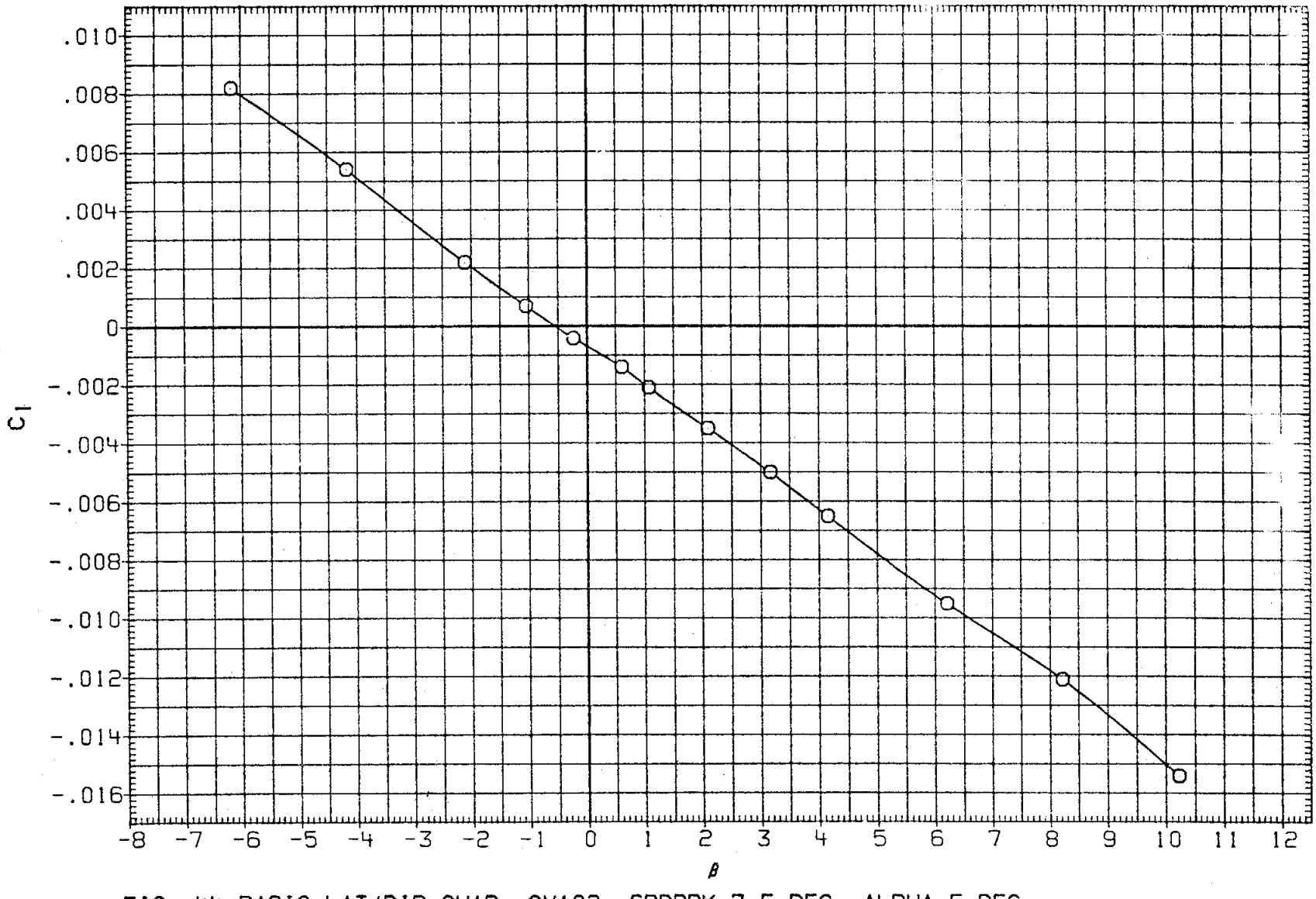


FIG. 44 BASIC LAT/DIR CHAR. 0V102, SPDBRK=7.5 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q079	O	ARC 218-1-12 0A101 (0V102)

ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
5.000	.000	.000	.000	.000	7.500	5.000

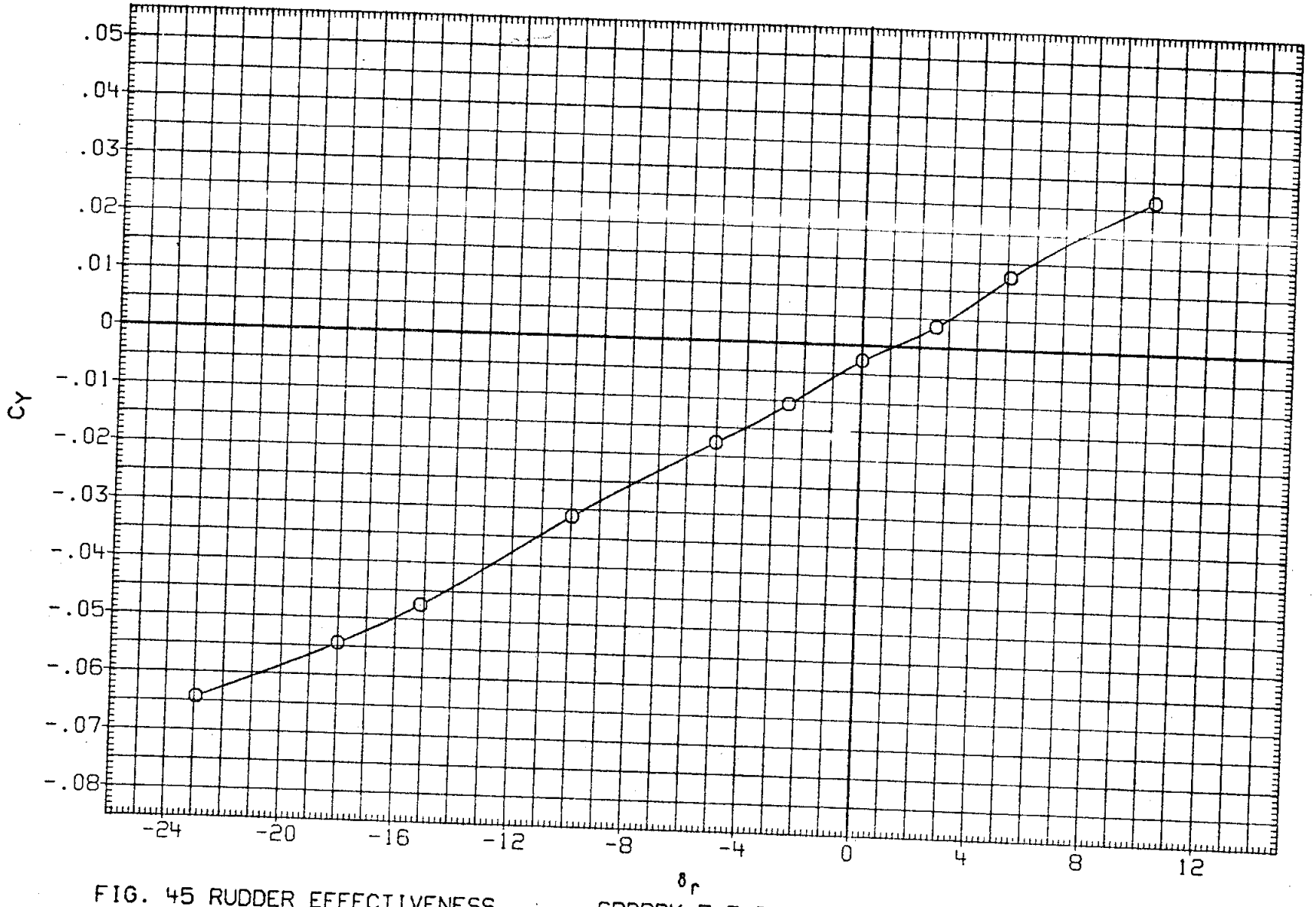


FIG. 45 RUDDER EFFECTIVENESS, SPDBRK=7.5 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q079	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	7.500	5.000

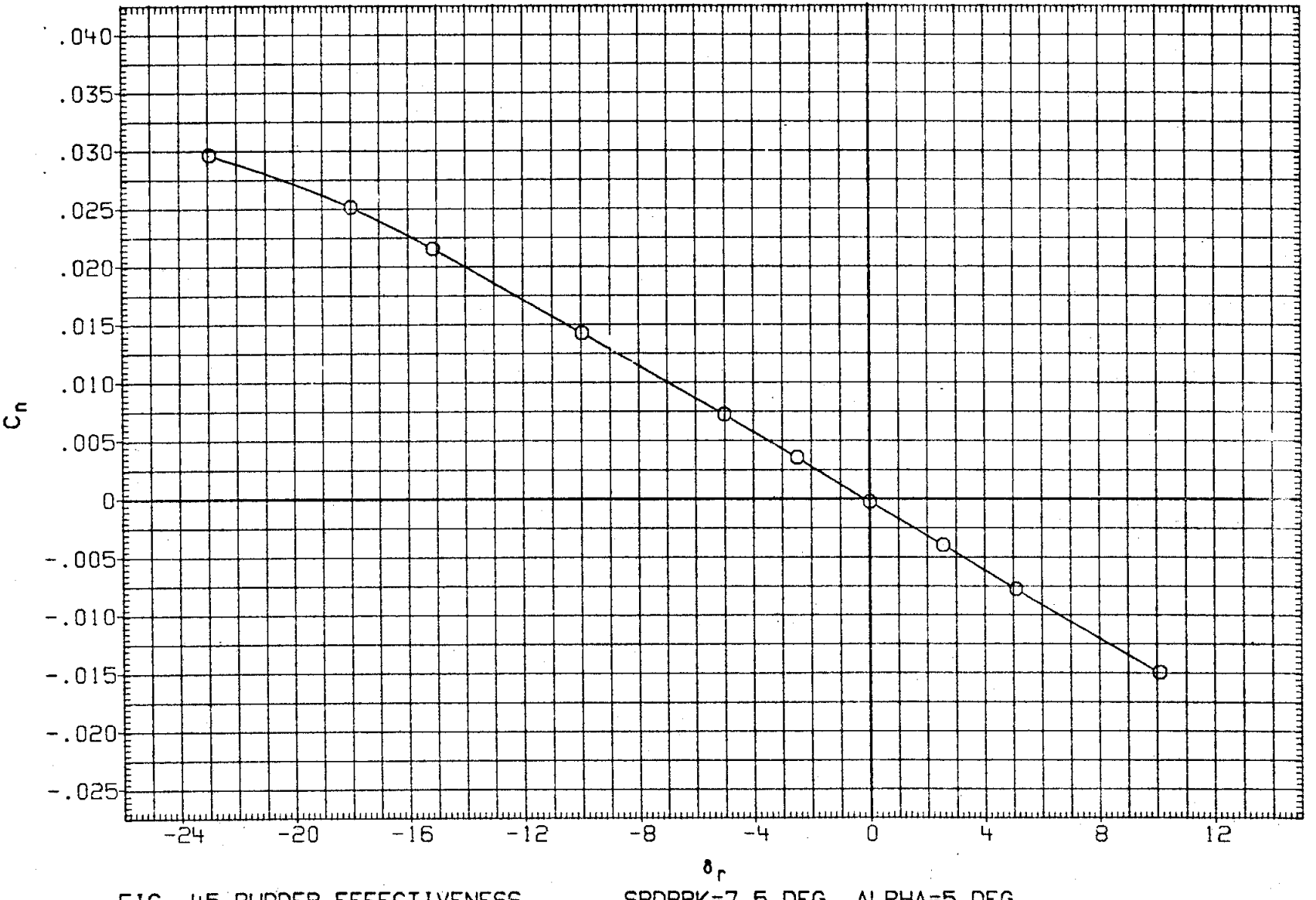


FIG. 45 RUDDER EFFECTIVENESS, SPDBRK=7.5 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q079	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	7.500	5.000

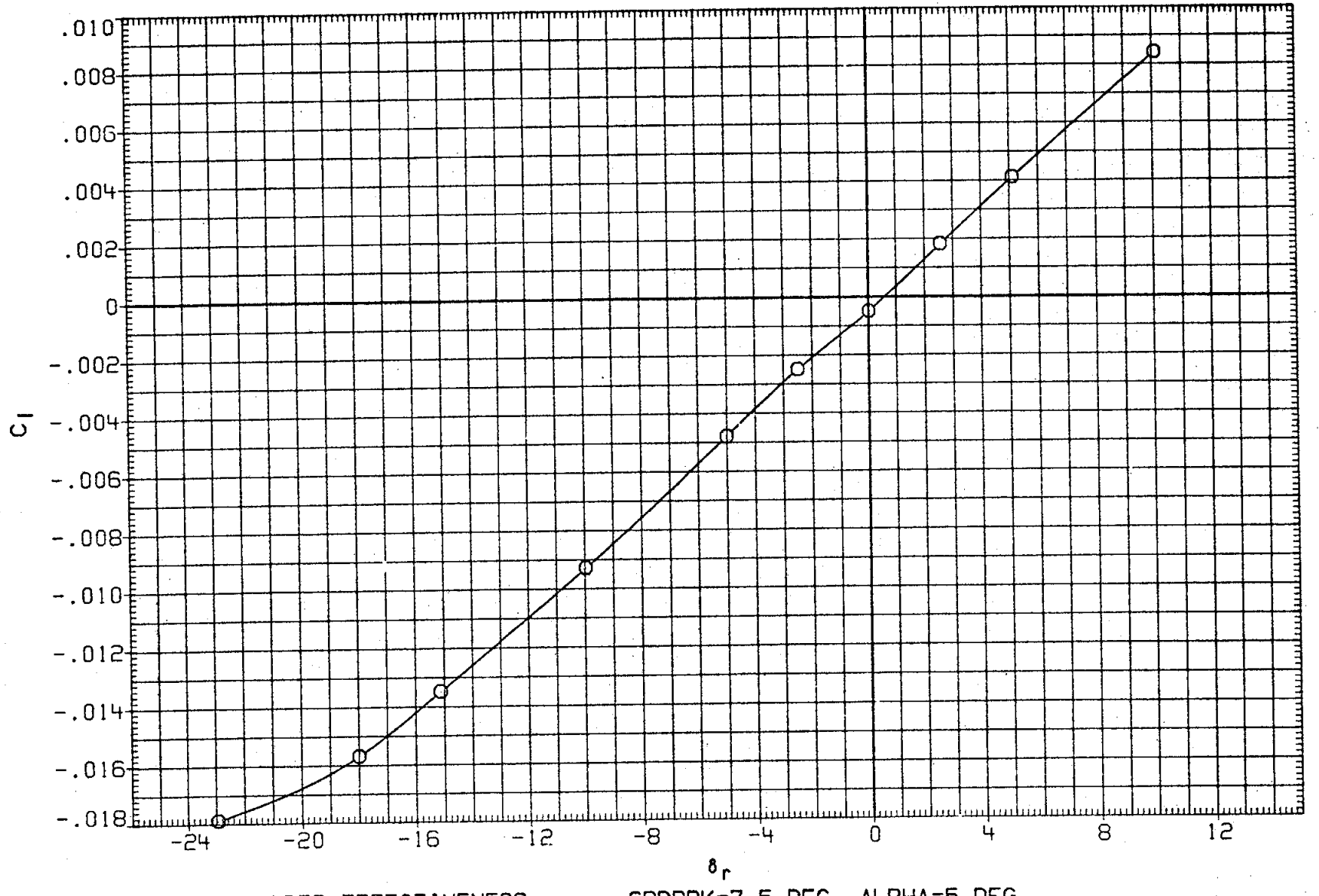


FIG. 45 RUDDER EFFECTIVENESS, SPDBRK=7.5 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q077	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	7.500	5.000	-5.000
R2Q076	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	7.500	5.000	.000

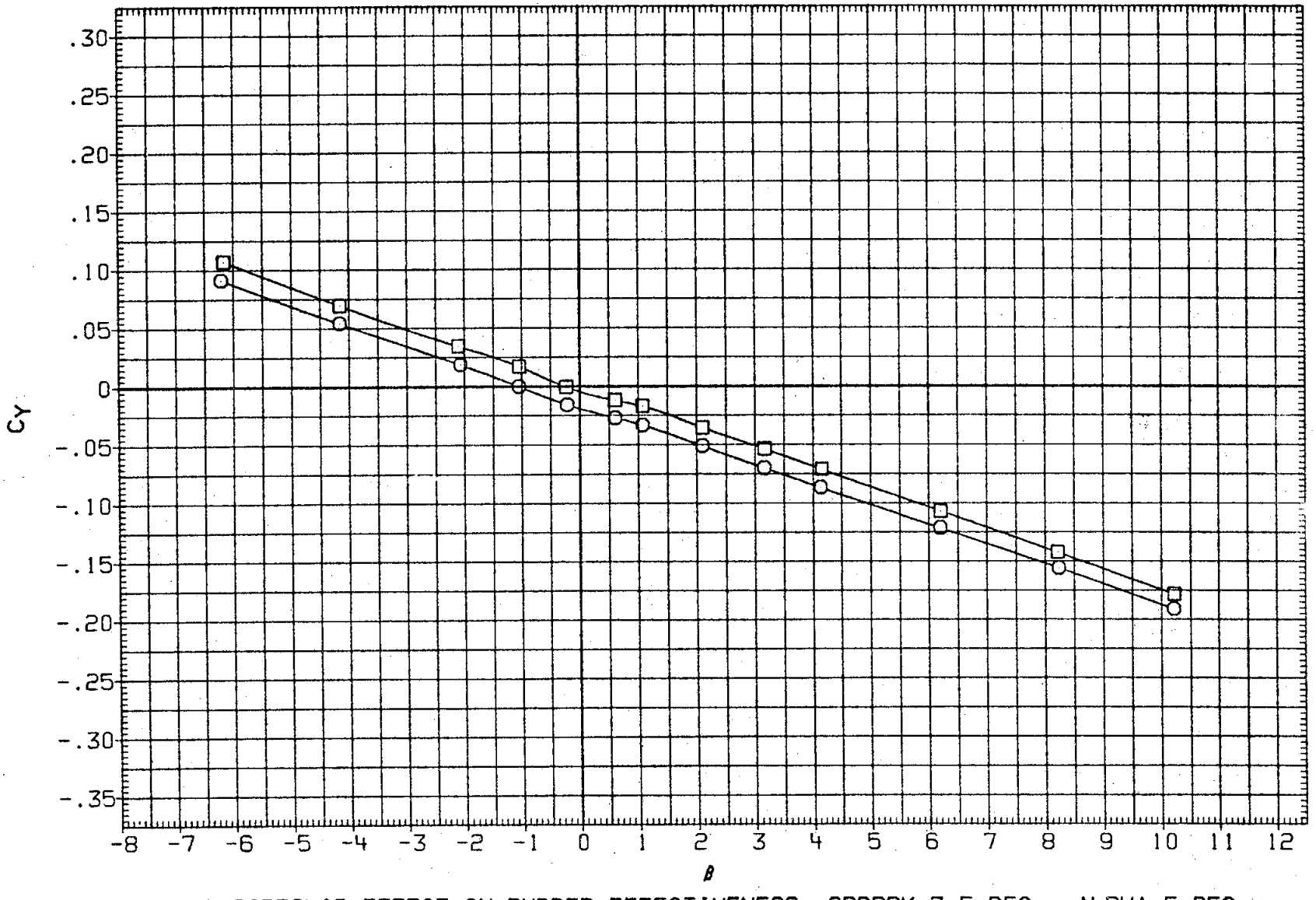


FIG. 46 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=7.5 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q077	○	ARC 218-1-12 0A101 (0V102)
R2Q076	□	ARC 218-1-12 0A101 (0V102)

ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
5.000	.000	.000	.000	7.500	5.000	-5.000
5.000	.000	.000	.000	7.500	5.000	.000

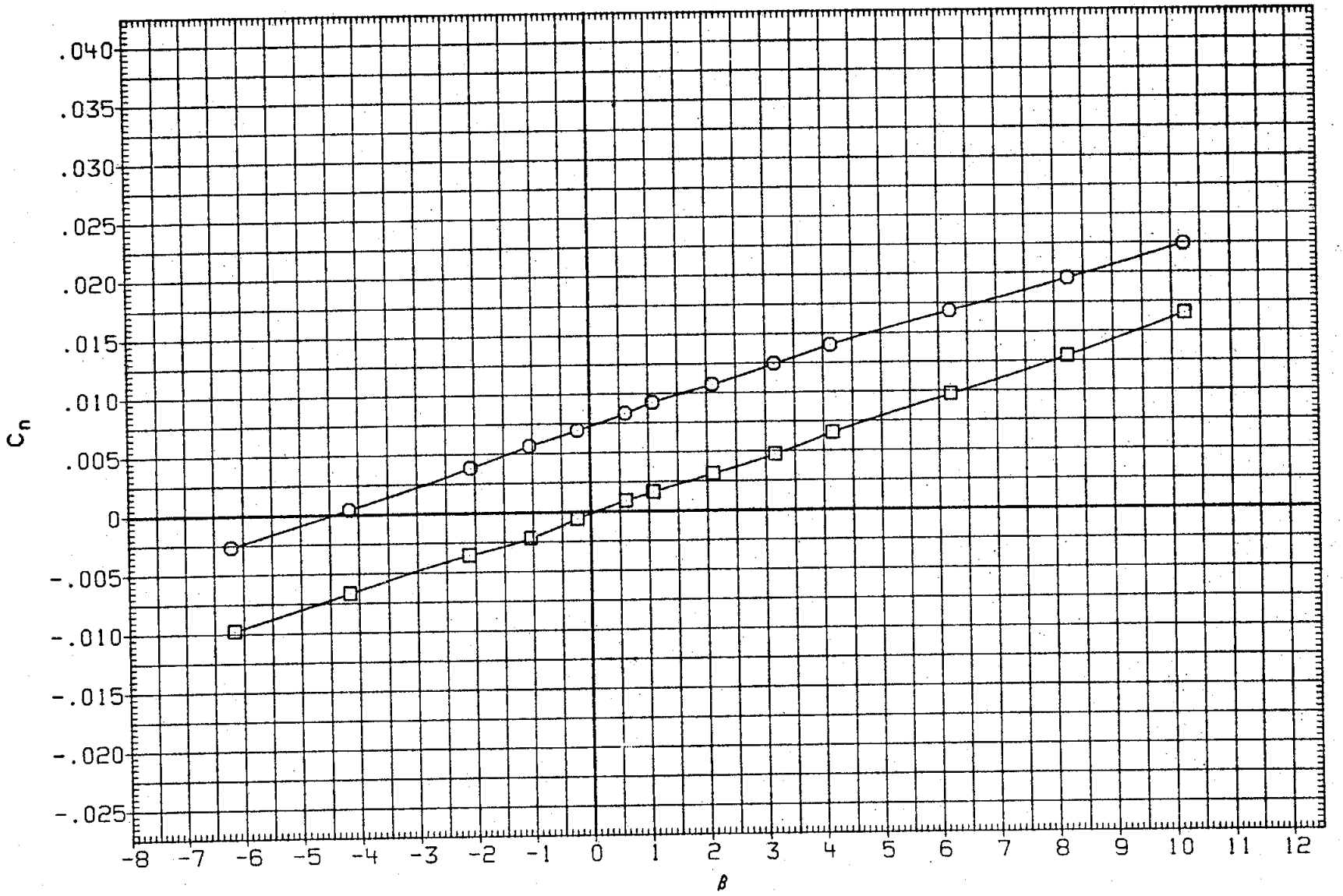


FIG. 46 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=7.5 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q077	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	7.500	5.000	-5.000
R2Q076	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	7.500	5.000	.000

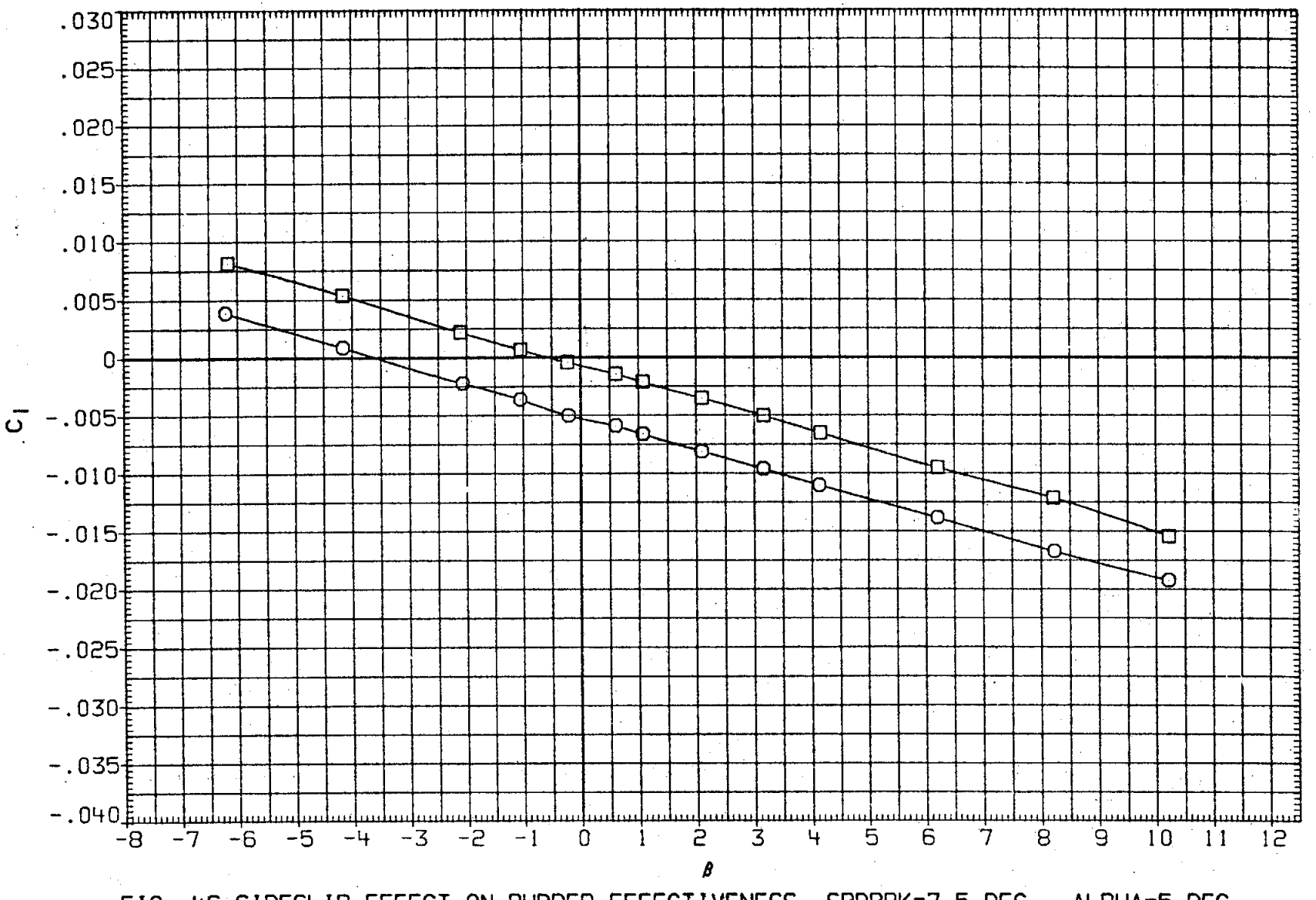


FIG. 46 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=7.5 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q080	O	ARC 218-1-12 0A101 (0V102)

BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
.000	.000	.000	.000	15.000	5.000	.000

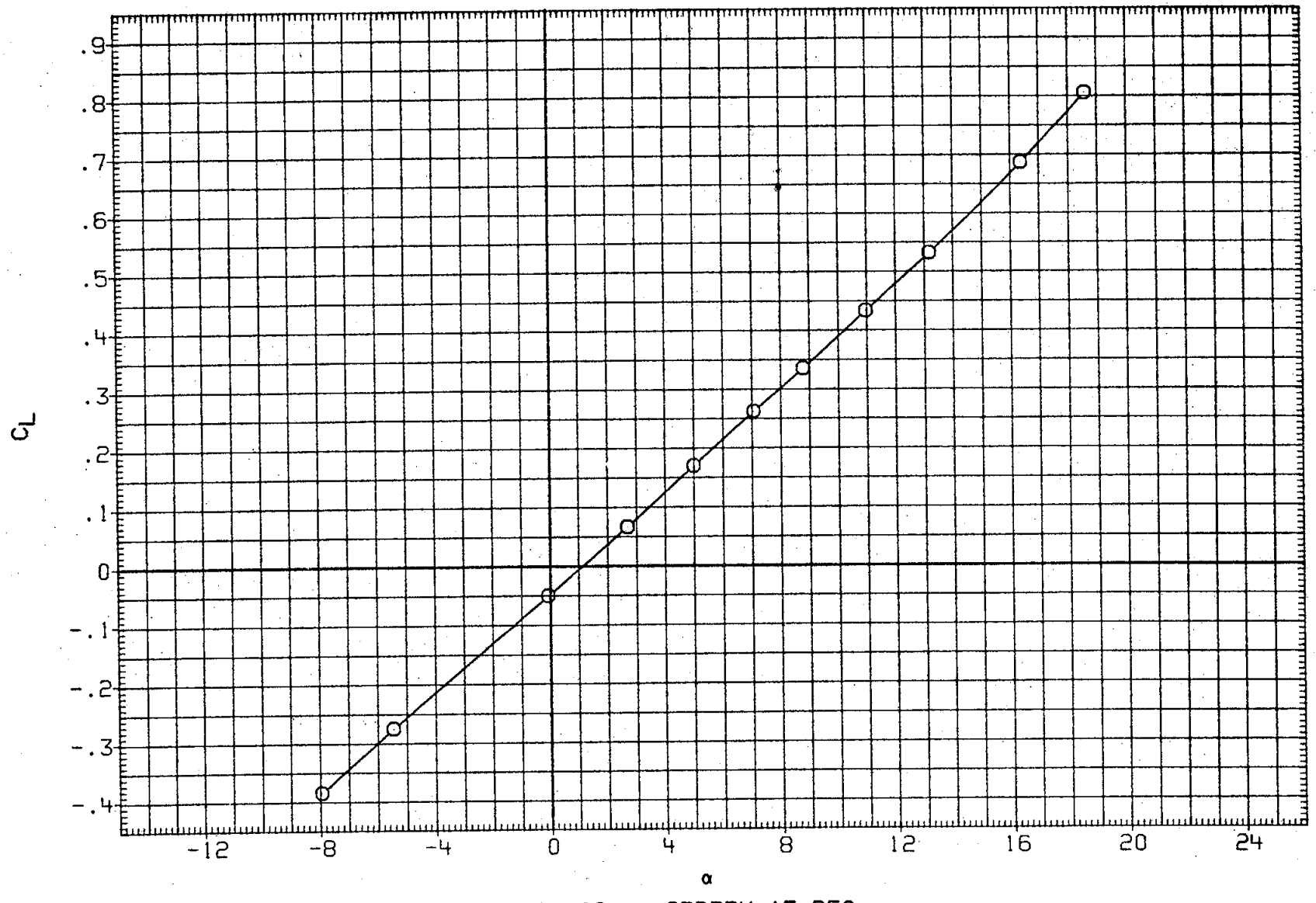


FIG. 47 BASIC LONG. CHAR. OF 0V102 SPDBRK=15 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q080	O	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	15.000	5.000	.000

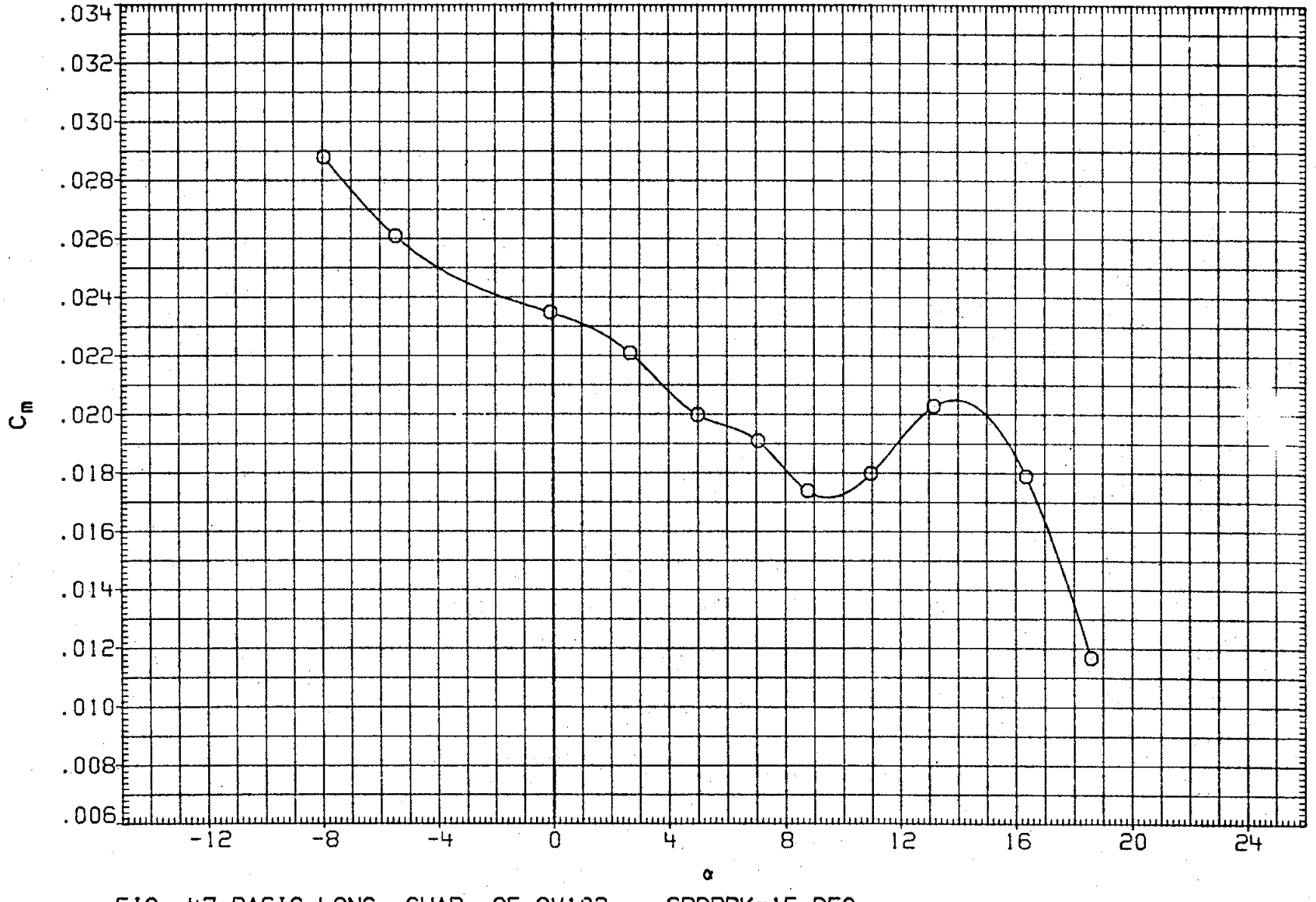


FIG. 47 BASIC LONG. CHAR. OF OV102 SPDBRK=15 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q080	O	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	15.000	5.000	.000

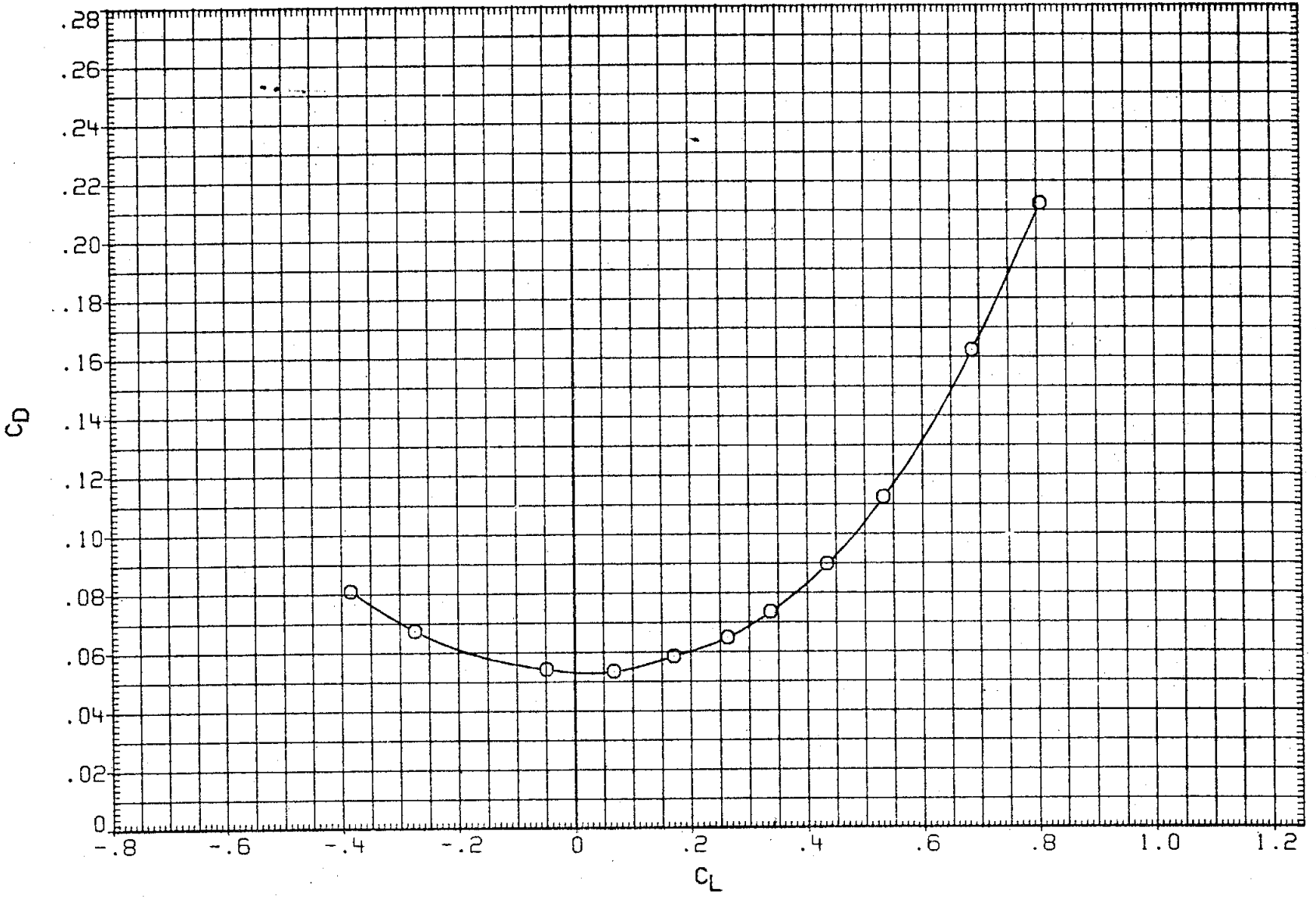


FIG. 47 BASIC LONG. CHAR. OF 0V102 SPDBRK=15 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q080	O	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	15.000	5.000	.000

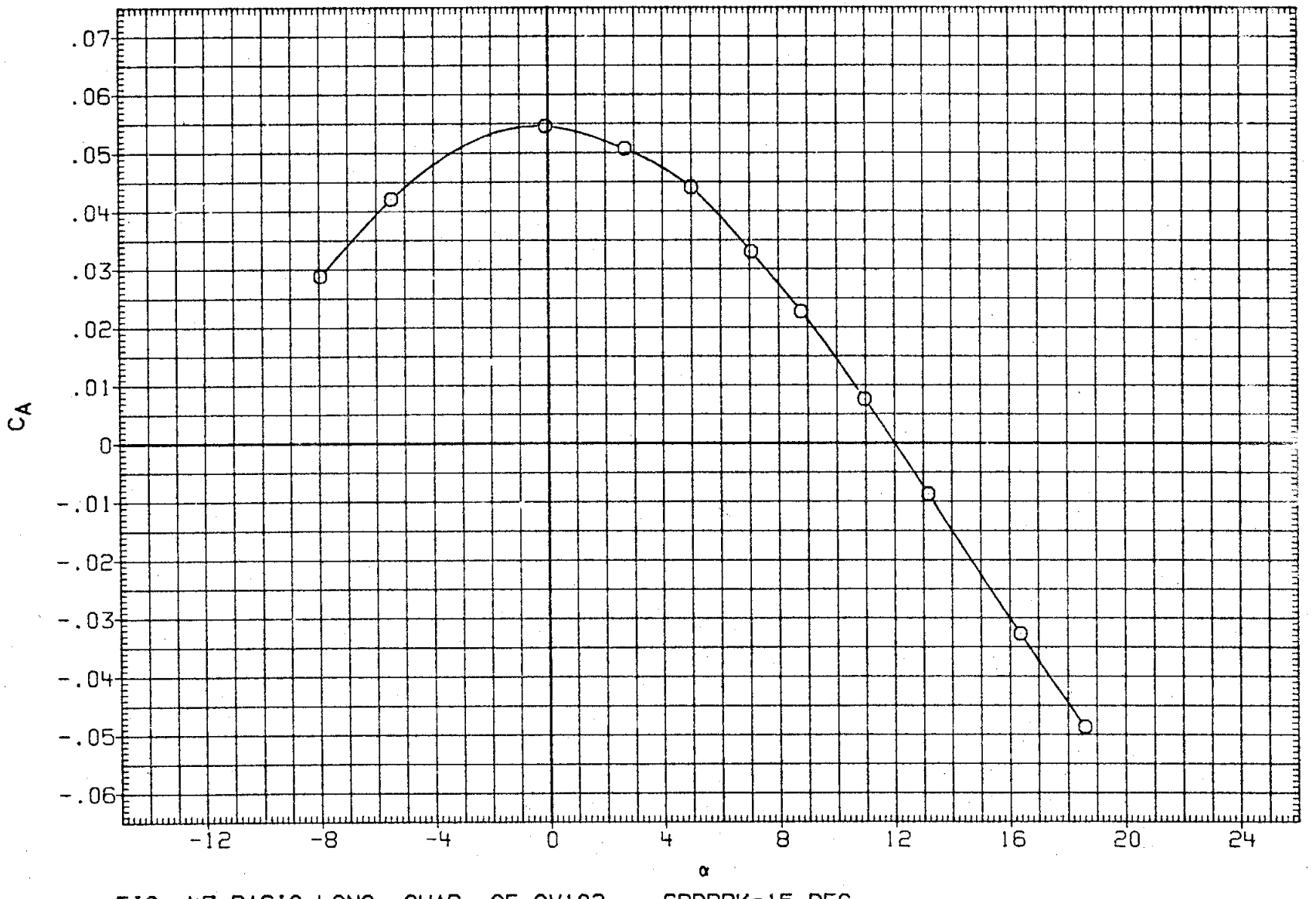


FIG. 47 BASIC LONG. CHAR. OF 0V102 SPDBRK=15 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q082	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	15.000	5.000	.000

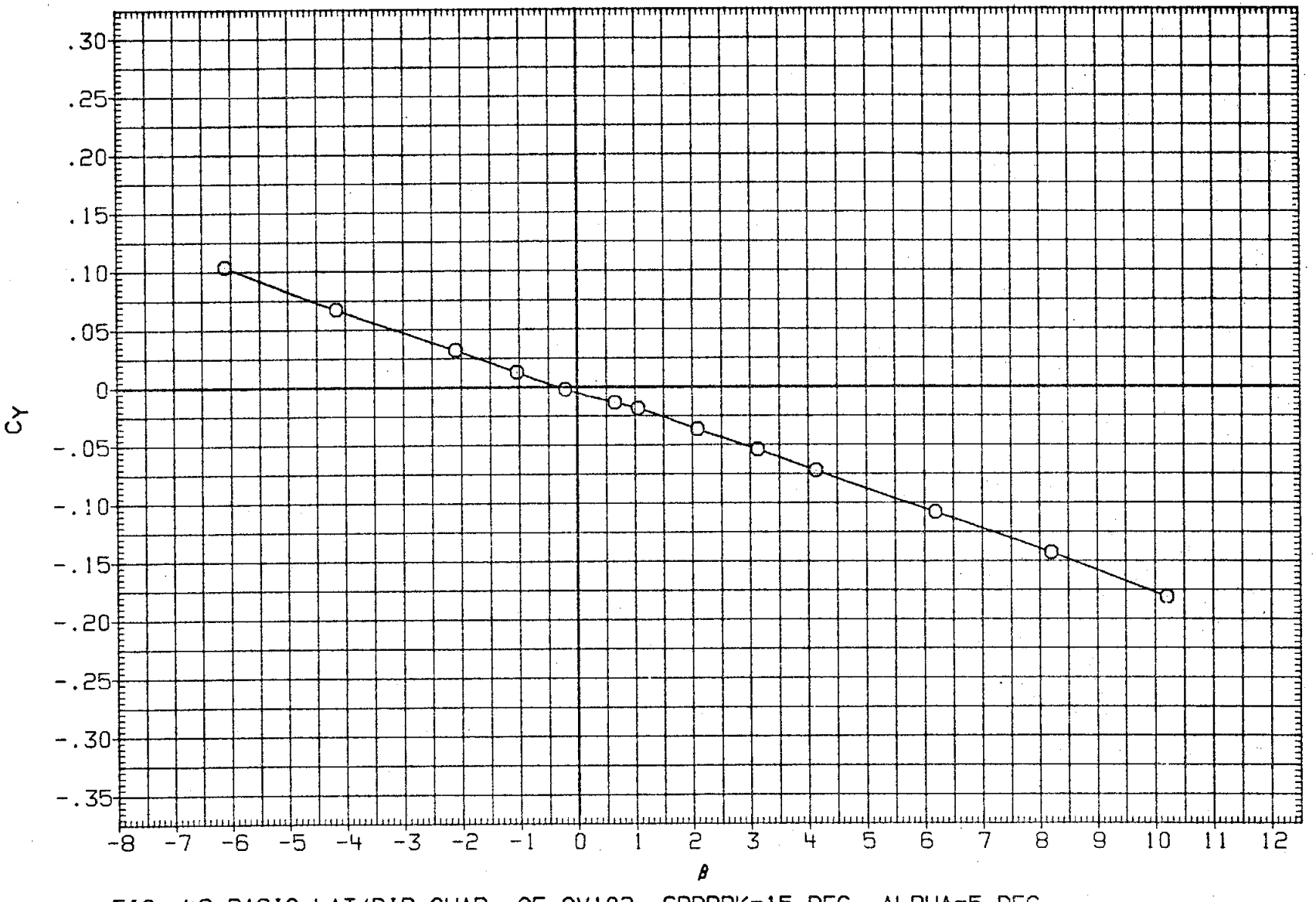


FIG. 48 BASIC LAT/DIR CHAR. OF 0V102, SPDBRK=15 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q082	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	15.000	5.000	.000

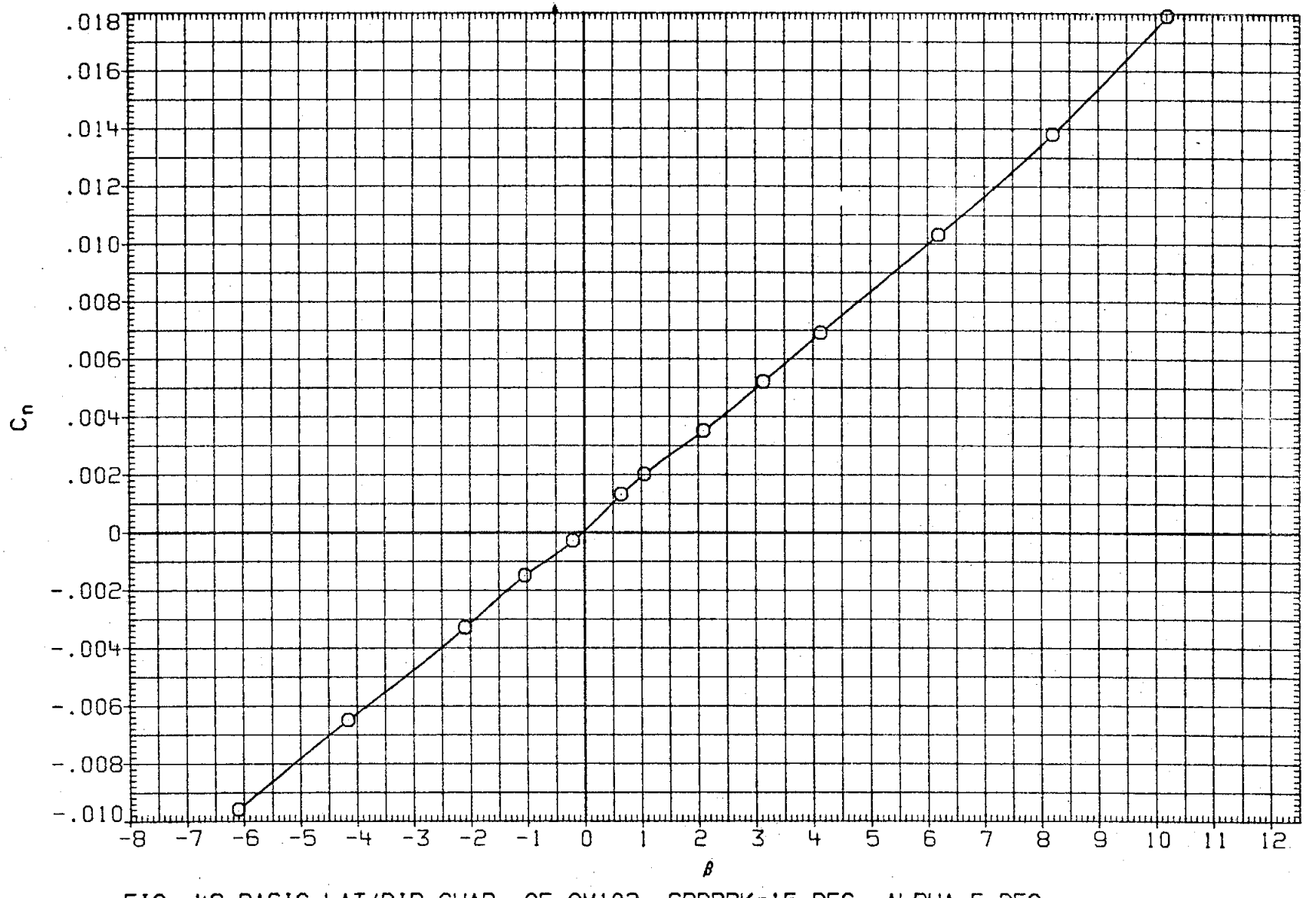


FIG. 48 BASIC LAT/DIR CHAR. OF 0V102, SPDBRK=15 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q082	O	ARC 218-1-12 0A101 (0V102)

ALPHA	ELEVON	AILRON	RDFLAP	SPDBRK	RN/L	RUDDER
5.000	.000	.000	.000	15.000	5.000	.000

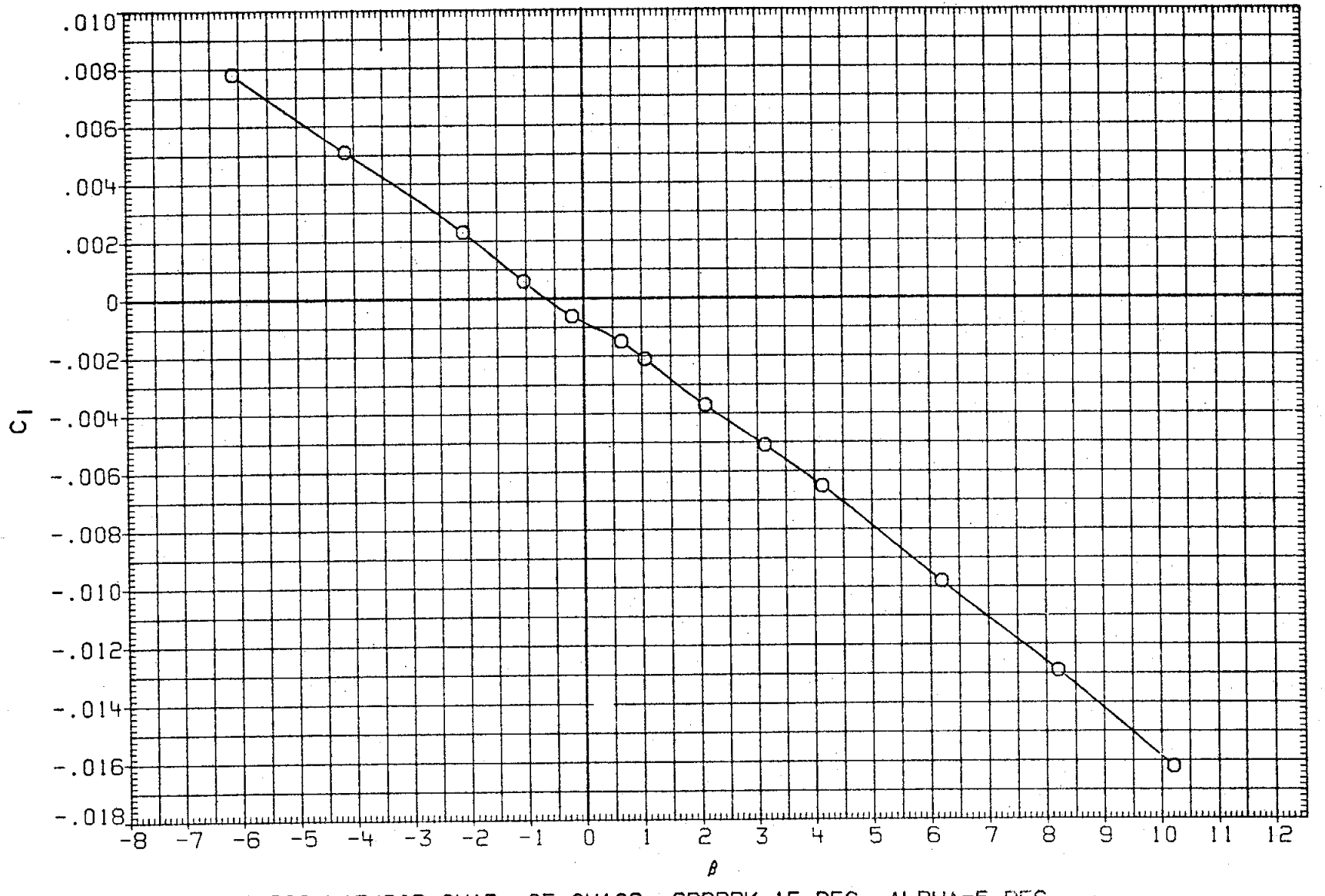


FIG. 48 BASIC LAT/DIR CHAR. OF 0V102, SPDBRK=15 DEG. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q084	○	ARC 218-1-12 0A101 (OV102)	.000	.000	.000	.000	.000	15.000	5.000
R2Q085	□	ARC 218-1-12 0A101 (OV102)	5.000	.000	.000	.000	.000	15.000	5.000
R2Q086	◇	ARC 218-1-12 0A101 (OV102)	10.000	.000	.000	.000	.000	15.000	5.000
R2Q087	△	ARC 218-1-12 0A101 (OV102)	15.000	.000	.000	.000	.000	15.000	5.000

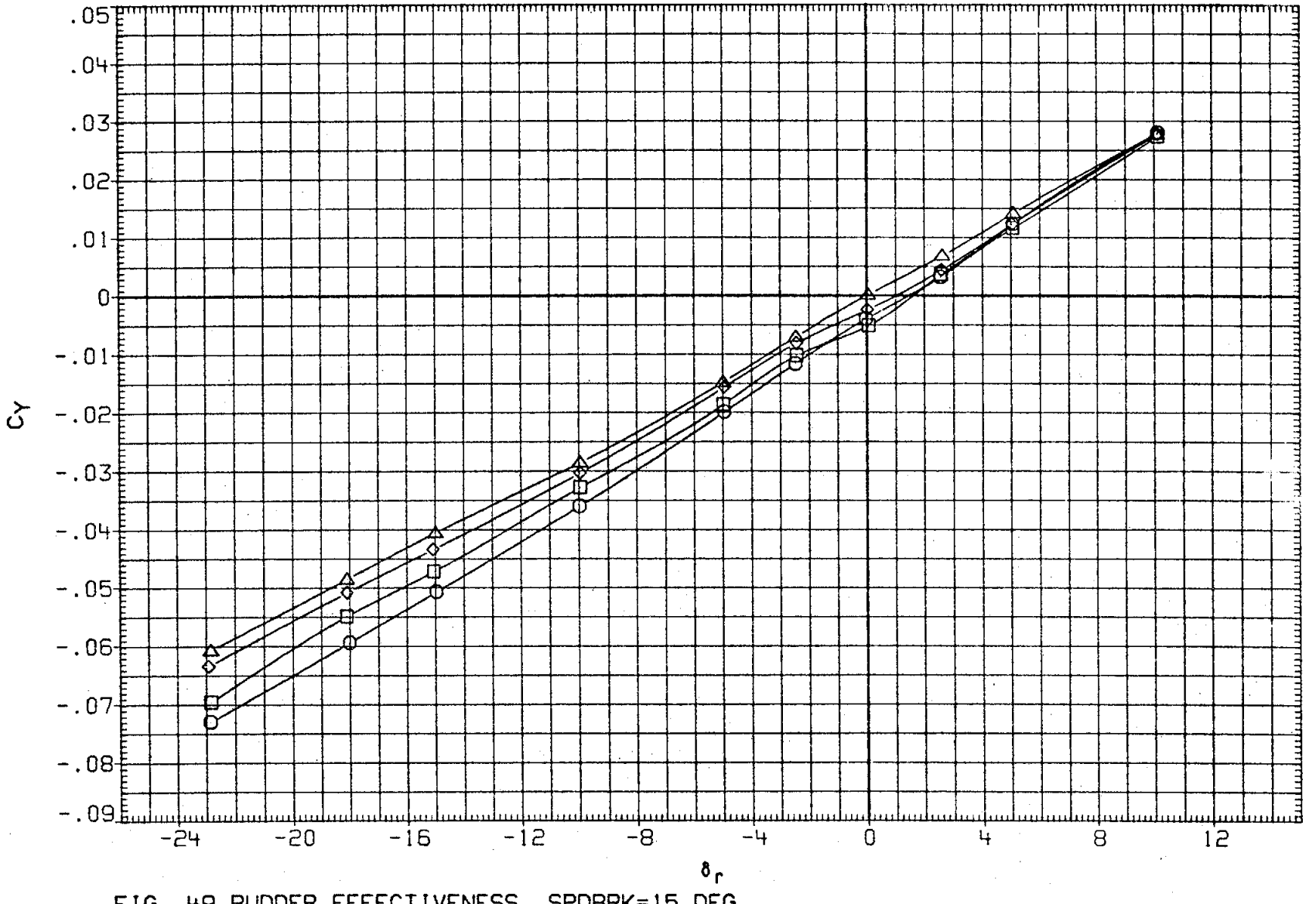


FIG. 49 RUDDER EFFECTIVENESS, SPDBRK=15 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q084	○	ARC 218-1-12 OA101 (OV102)
R2Q085	□	ARC 218-1-12 OA101 (OV102)
R2Q086	◇	ARC 218-1-12 OA101 (OV102)
R2Q087	△	ARC 218-1-12 OA101 (OV102)

ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
.000	.000	.000	.000	.000	15.000	5.000
5.000	.000	.000	.000	.000	15.000	5.000
10.000	.000	.000	.000	.000	15.000	5.000
15.000	.000	.000	.000	.000	15.000	5.000

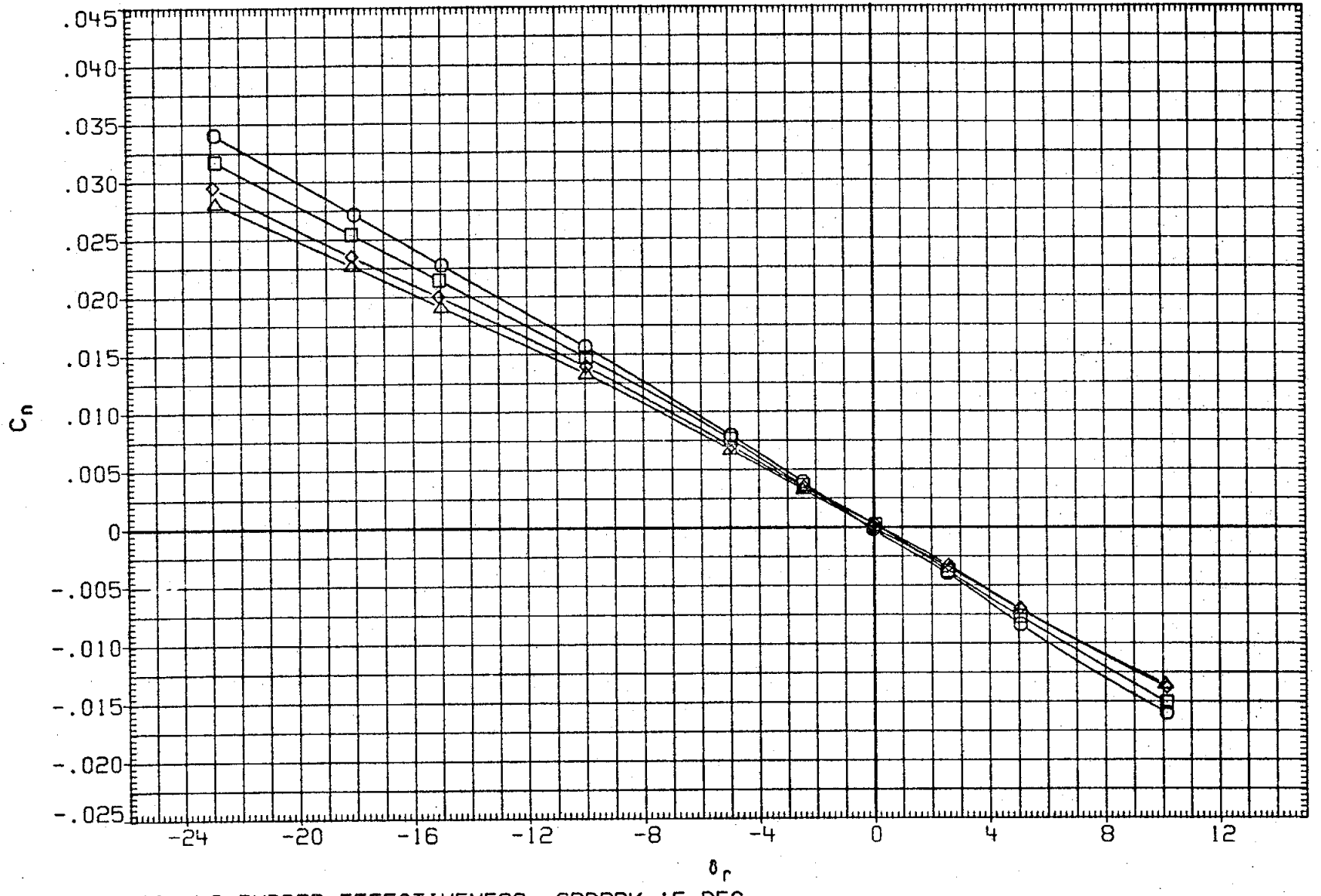


FIG. 49 RUDDER EFFECTIVENESS, SPDBRK=15 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q084	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	.000	15.000	5.000
R2Q085	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	15.000	5.000
R2Q086	◇	ARC 218-1-12 OA101 (OV102)	10.000	.000	.000	.000	.000	15.000	5.000
R2Q087	△	ARC 218-1-12 OA101 (OV102)	15.000	.000	.000	.000	.000	15.000	5.000

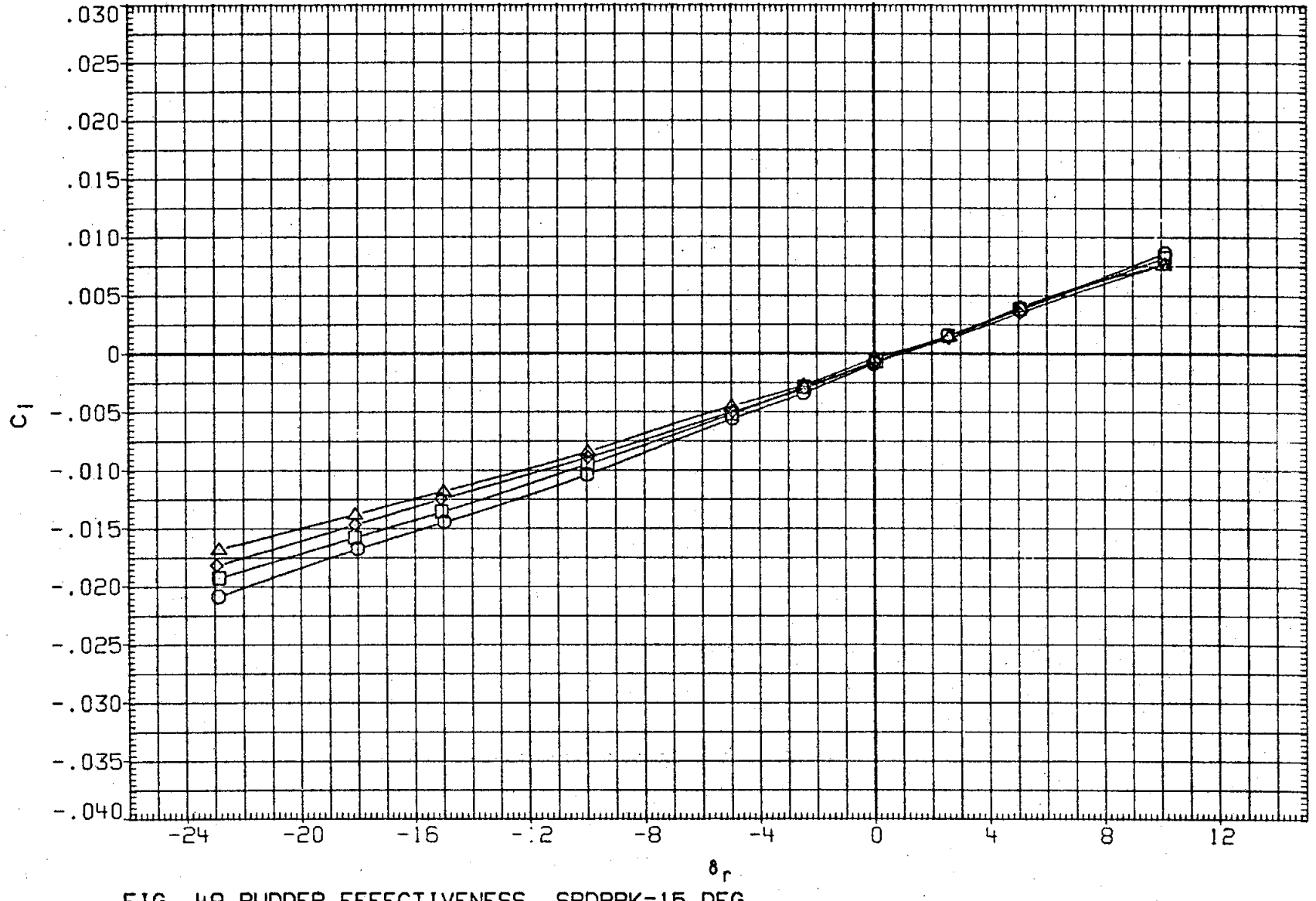


FIG. 49 RUDDER EFFECTIVENESS, SPDBRK=15 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R20088	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	15.000	5.000	-5.000
R20082	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	15.000	5.000	.000

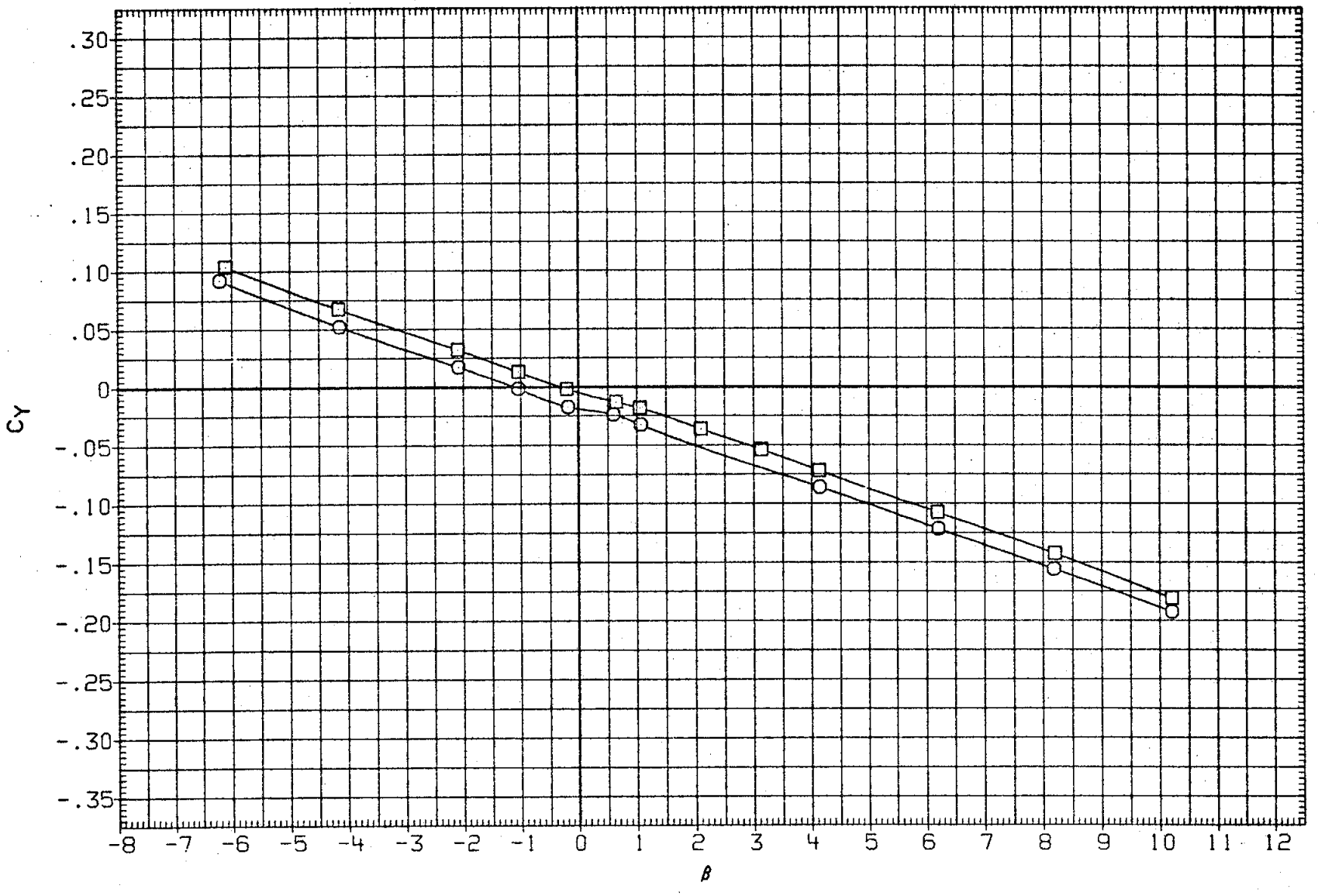


FIG. 50 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=15 DEG, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R20088	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	15.000	5.000	-5.000
R20082	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	15.000	5.000	.000

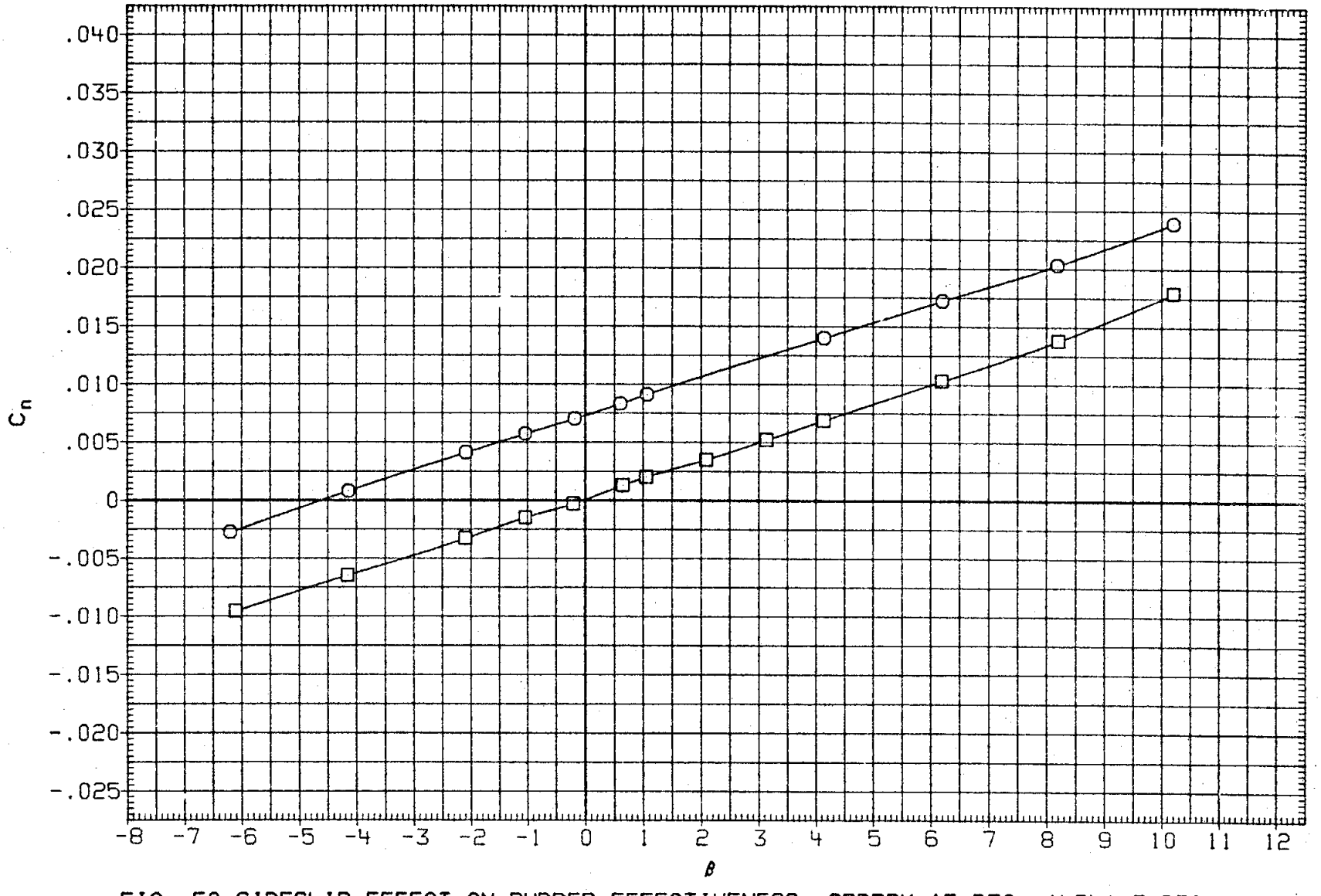


FIG. 50 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=15 DEG, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q088	○	ARC 218-1-12 0A101 (0V102)
R2Q082	□	ARC 218-1-12 0A101 (0V102)

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

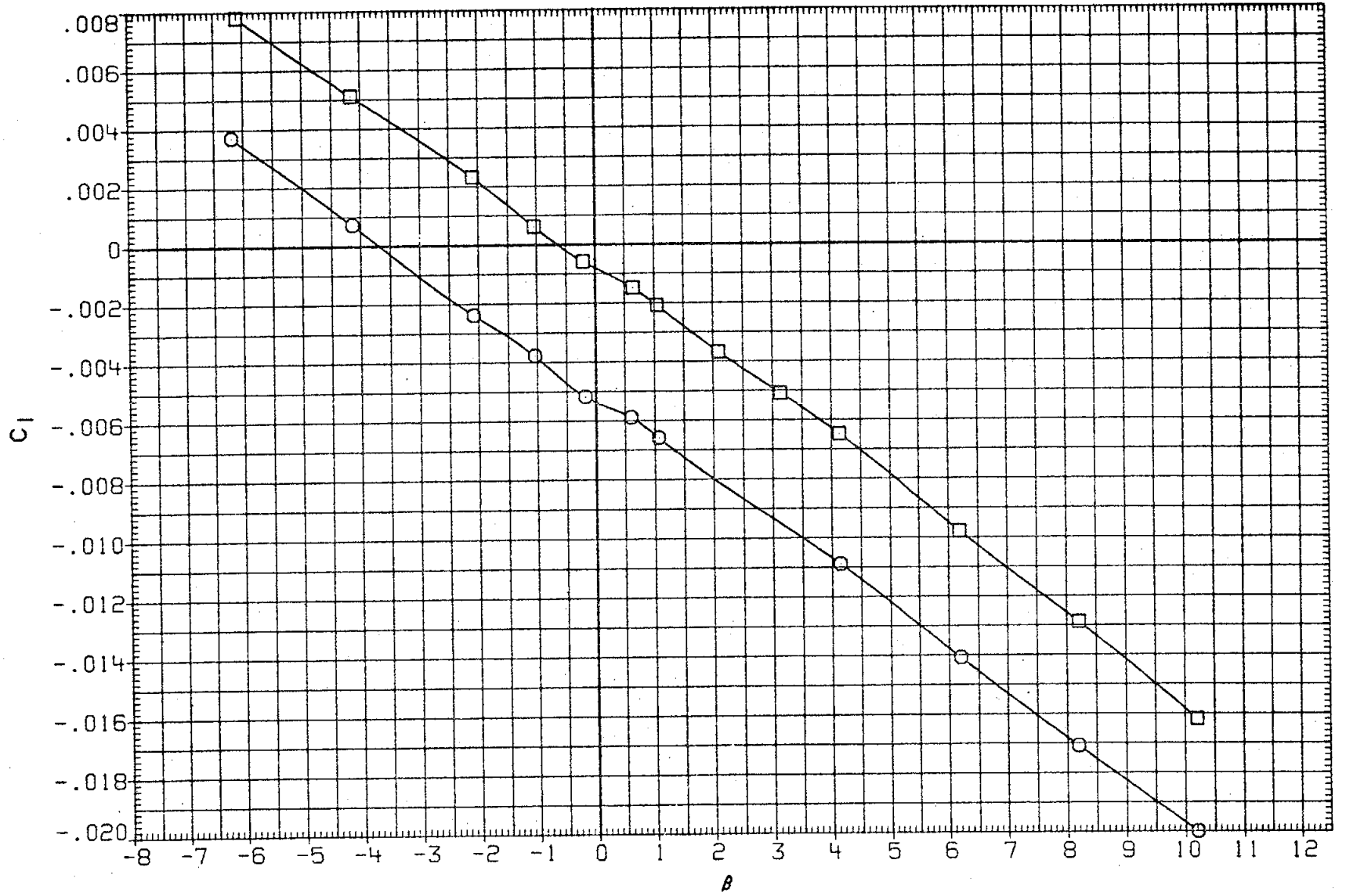


FIG. 50 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=15 DEG, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q089	O	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	40.000	5.000	.000

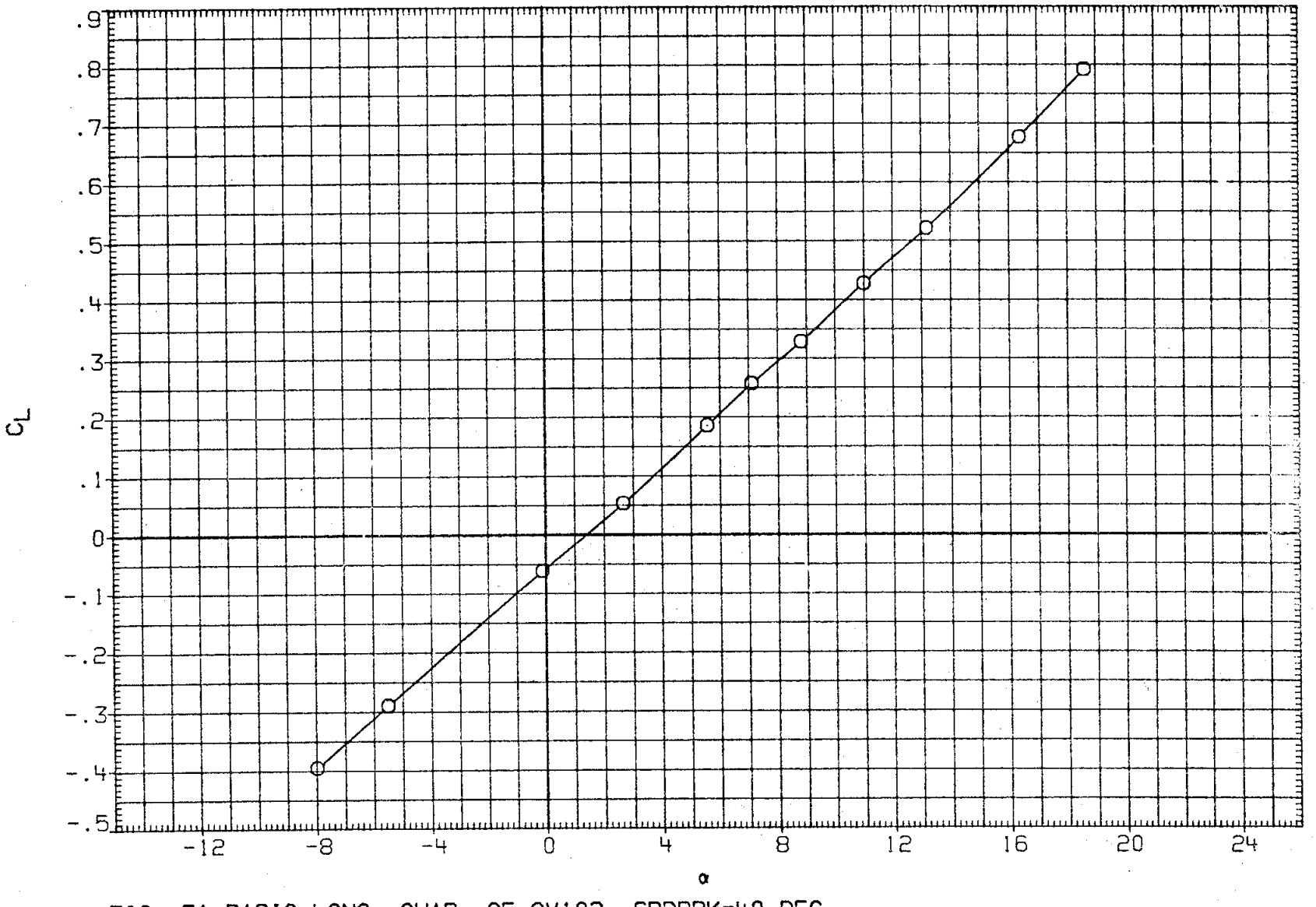


FIG. 51 BASIC LONG. CHAR. OF 0V102, SPDBRK=40 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q089	O	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	40.000	5.000	.000

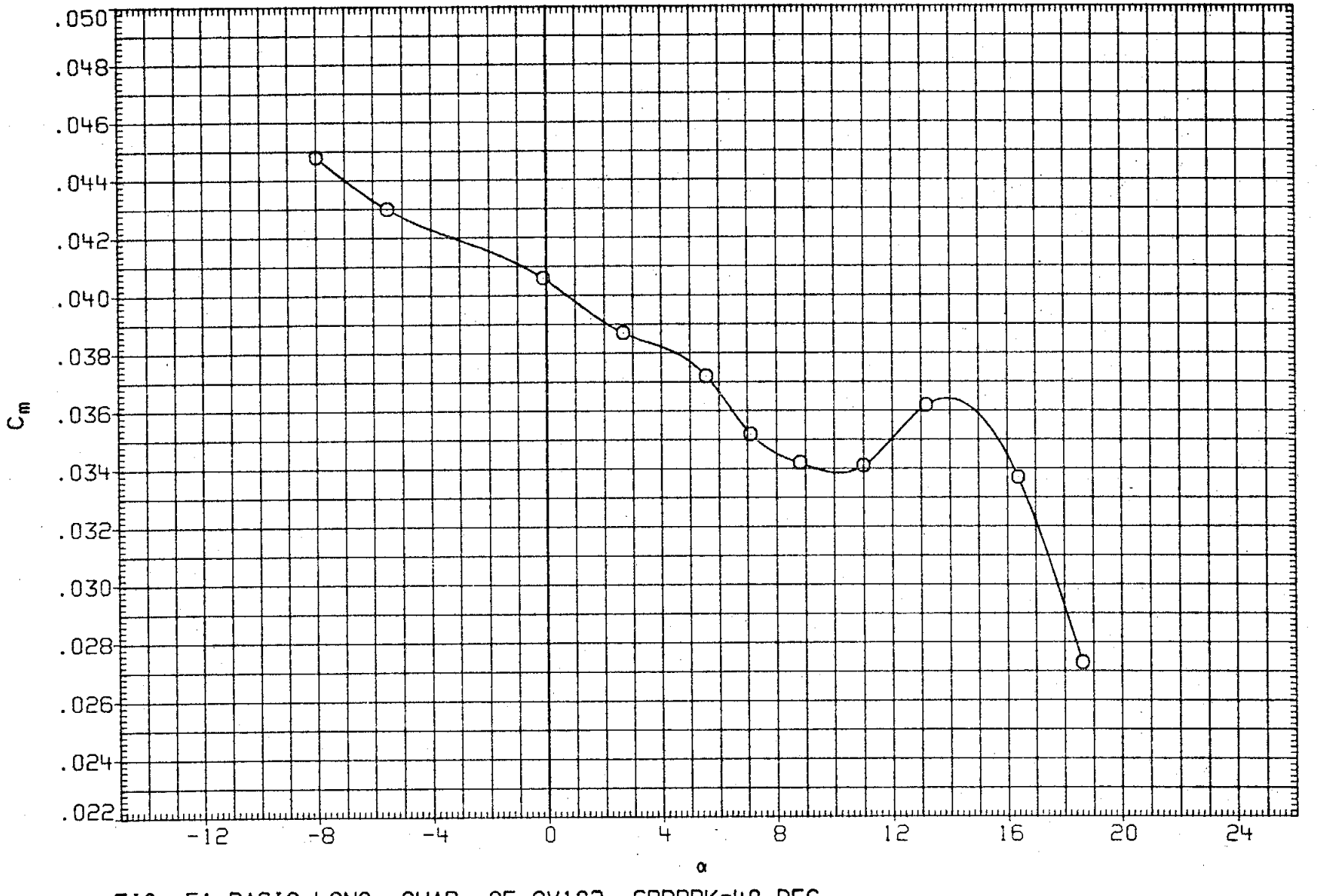


FIG. 51 BASIC LONG. CHAR. OF OV102, SPDBRK=40 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q089	O	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	40.000	5.000	.000

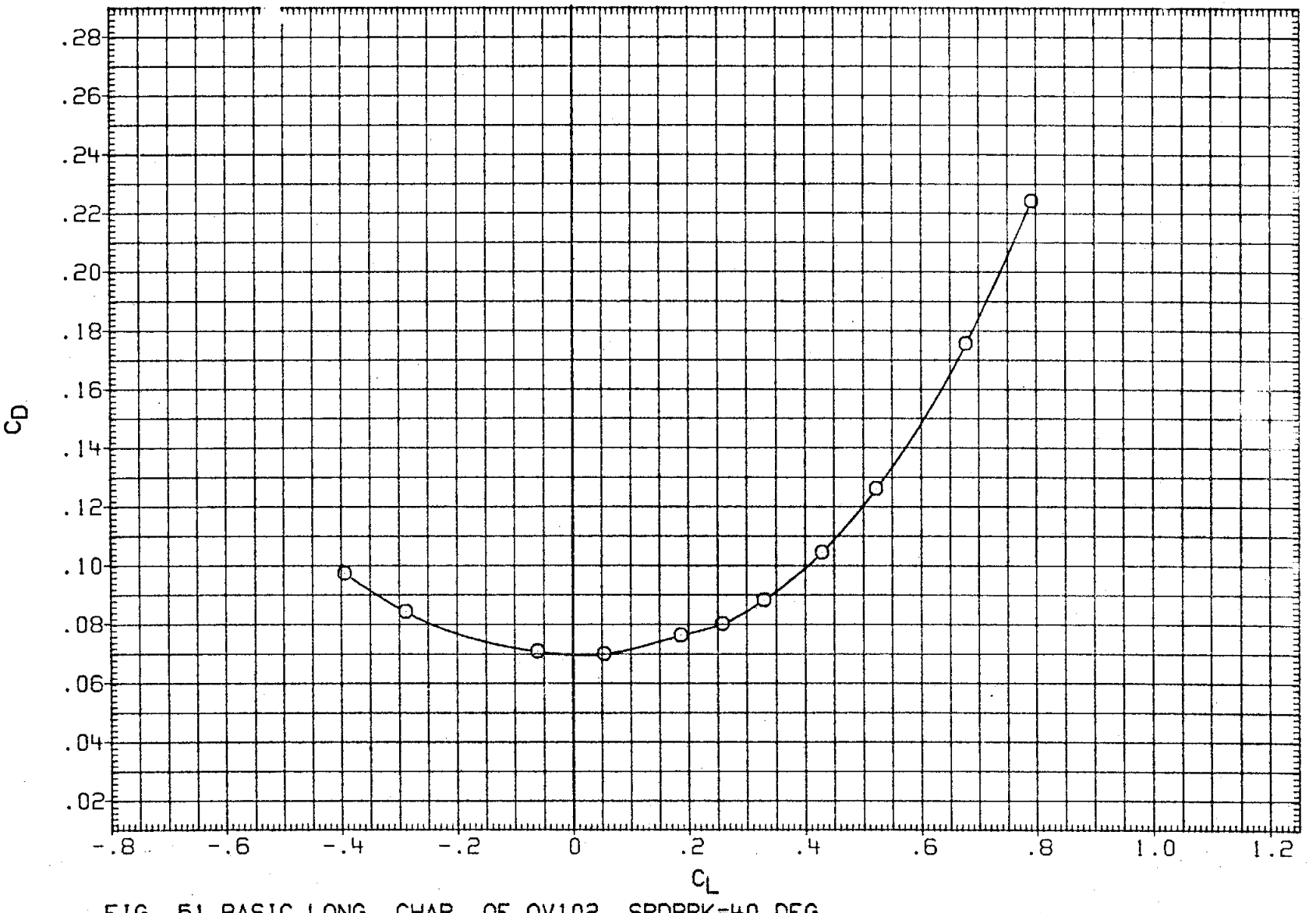


FIG. 51 BASIC LONG. CHAR. OF OV102, SPDBRK=40 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2C089	O	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	40.000	5.000	.000

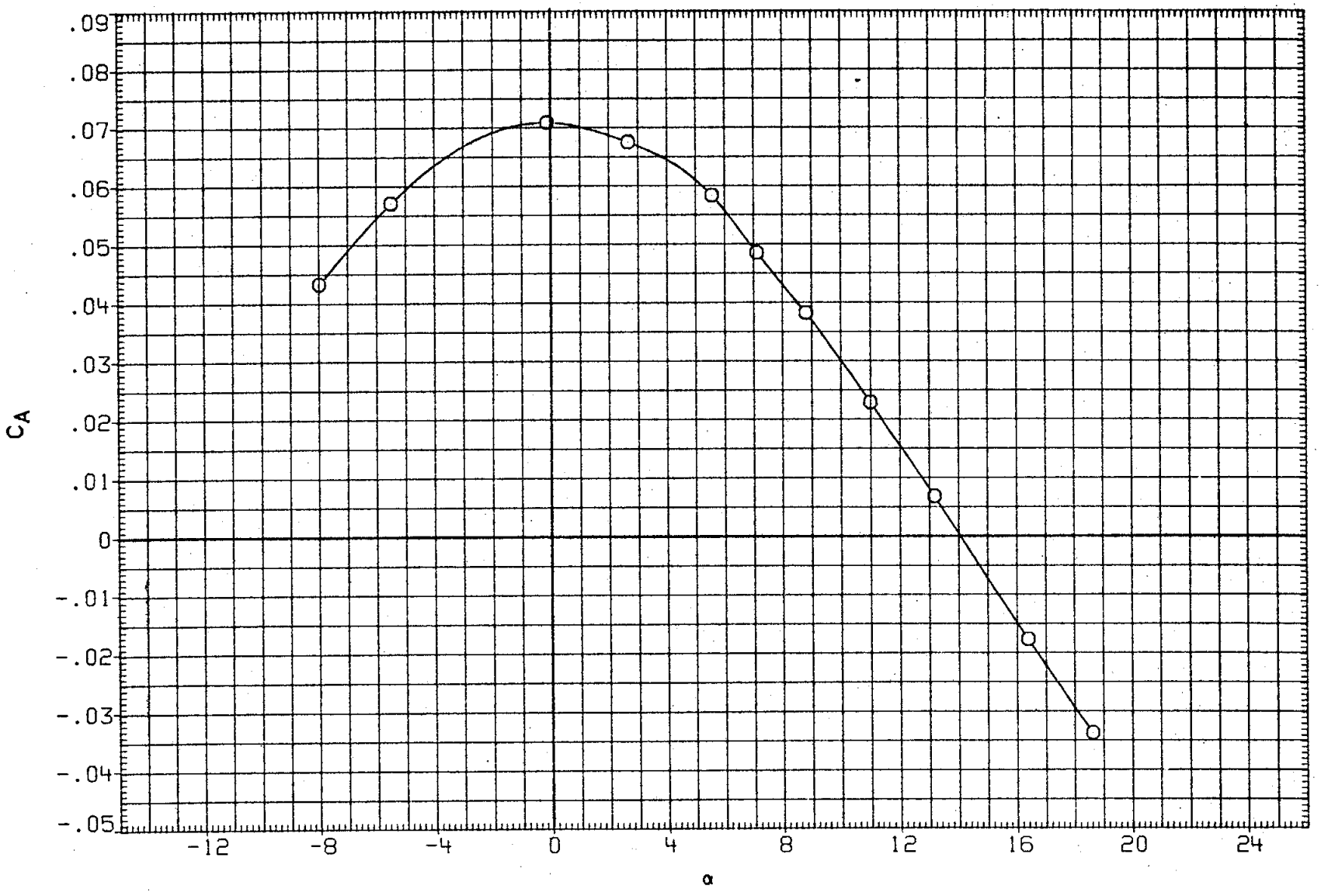


FIG. 51 BASIC LONG. CHAR. OF 0V102, SPDBRK=40 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R20090	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	40.000	5.000	.000

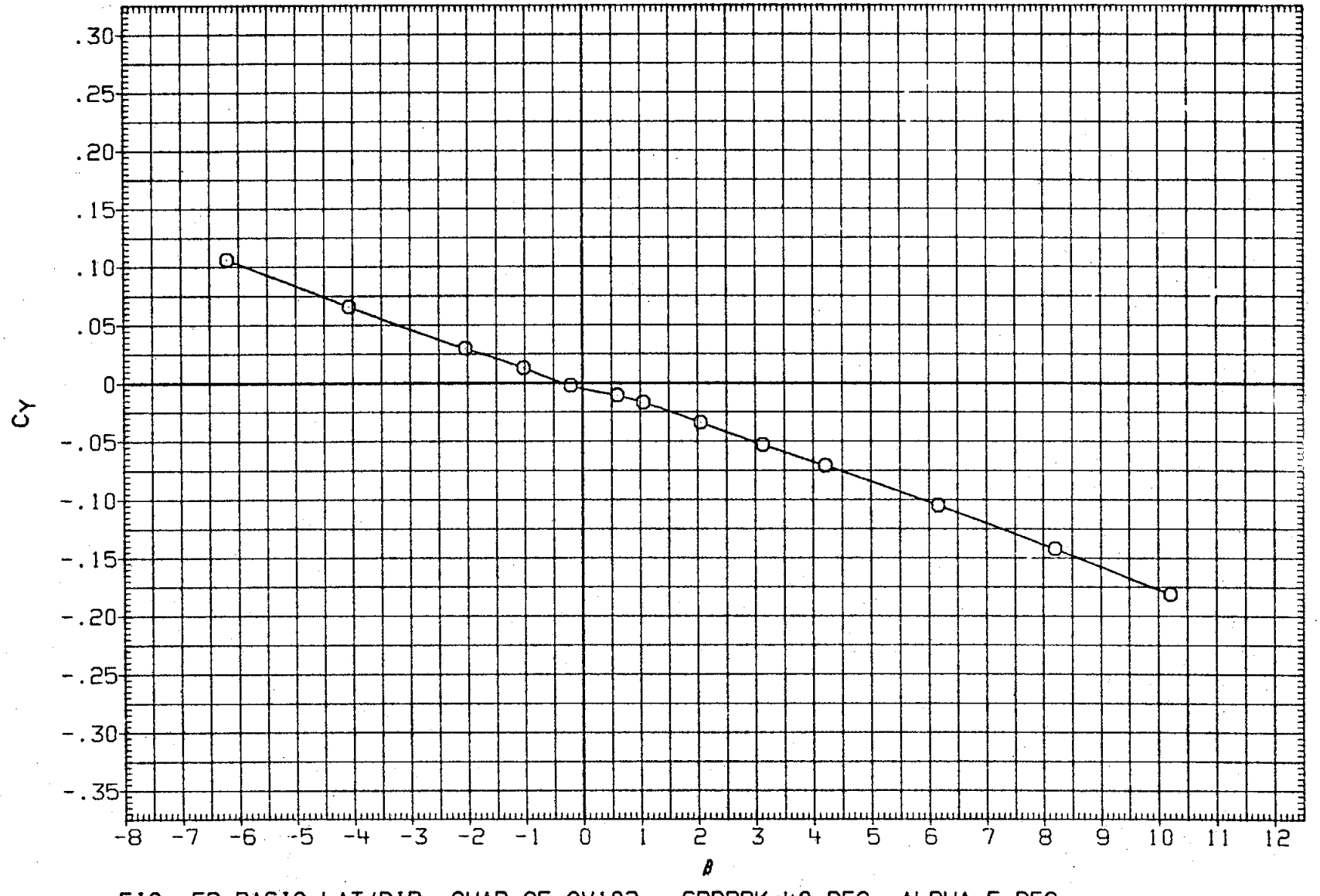


FIG. 52 BASIC LAT/DIR. CHAR OF 0V102, SPDBRK=40 DEG, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q090	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	40.000	5.000	.000

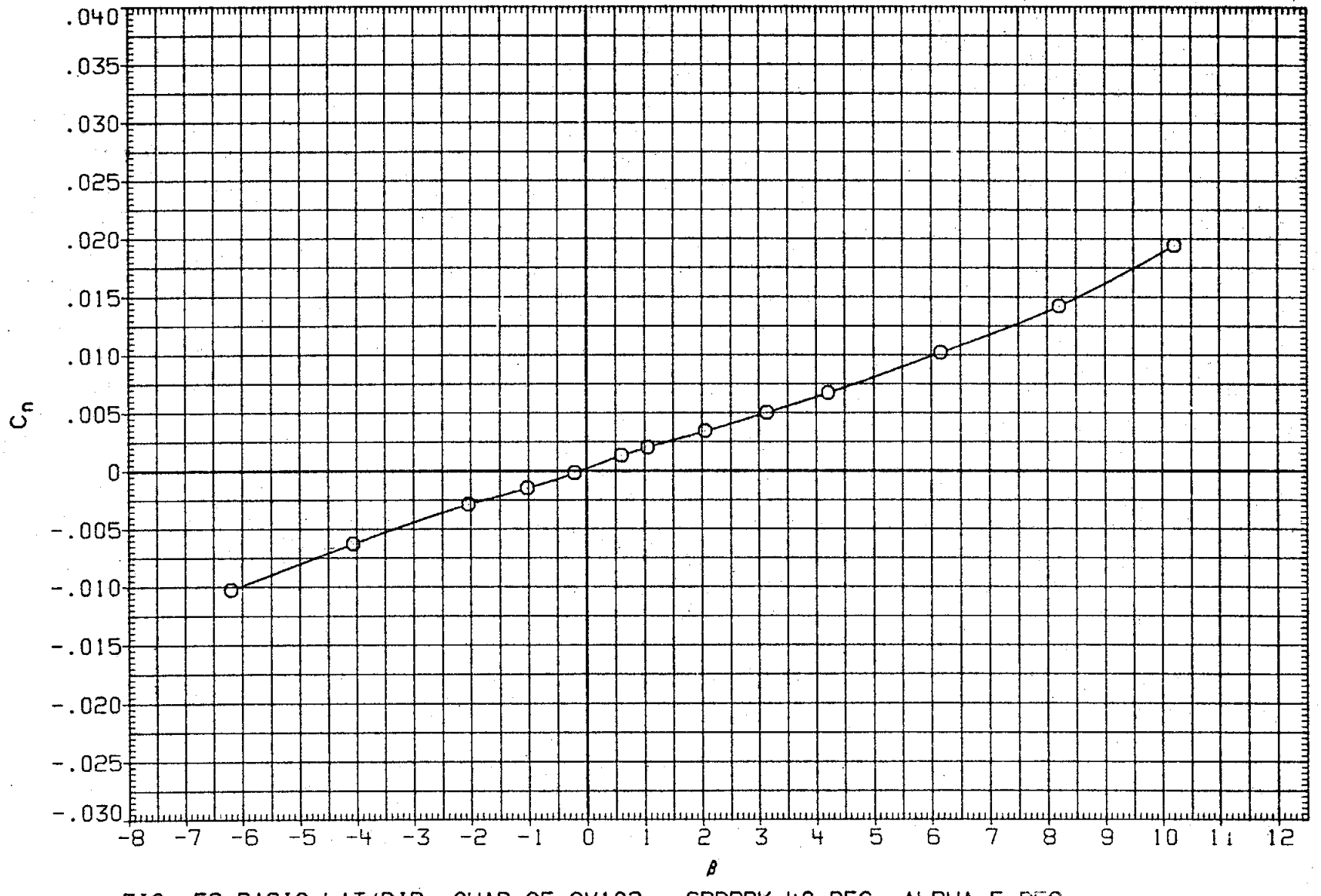


FIG. 52 BASIC LAT/DIR. CHAR OF OV102, SPDBRK=40 DEG, ALPHA=5 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q090	O	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	40.000	5.000	.000

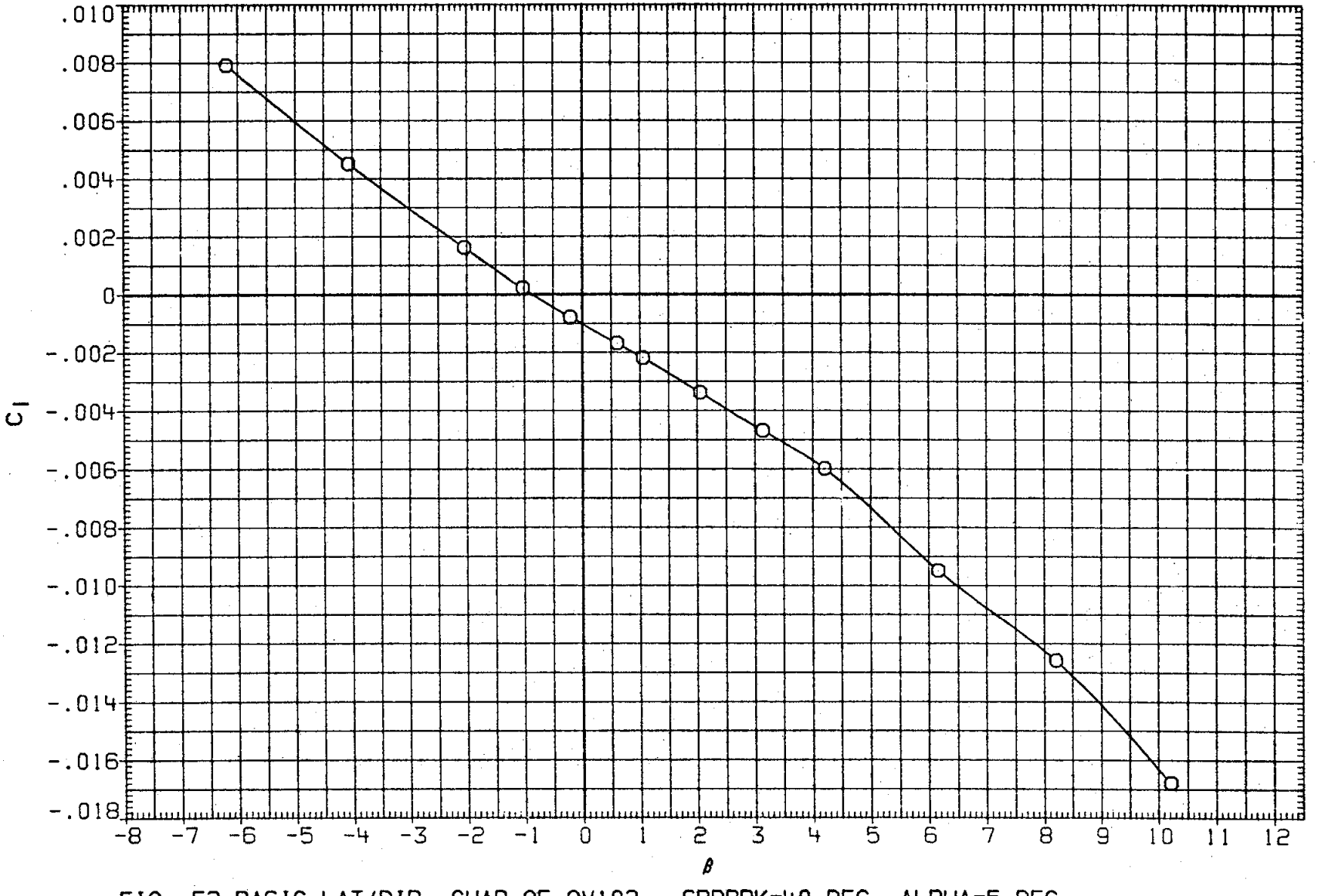


FIG. 52 BASIC LAT/DIR. CHAR OF OV102, SPDBRK=40 DEG, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q091	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	40.000	5.000

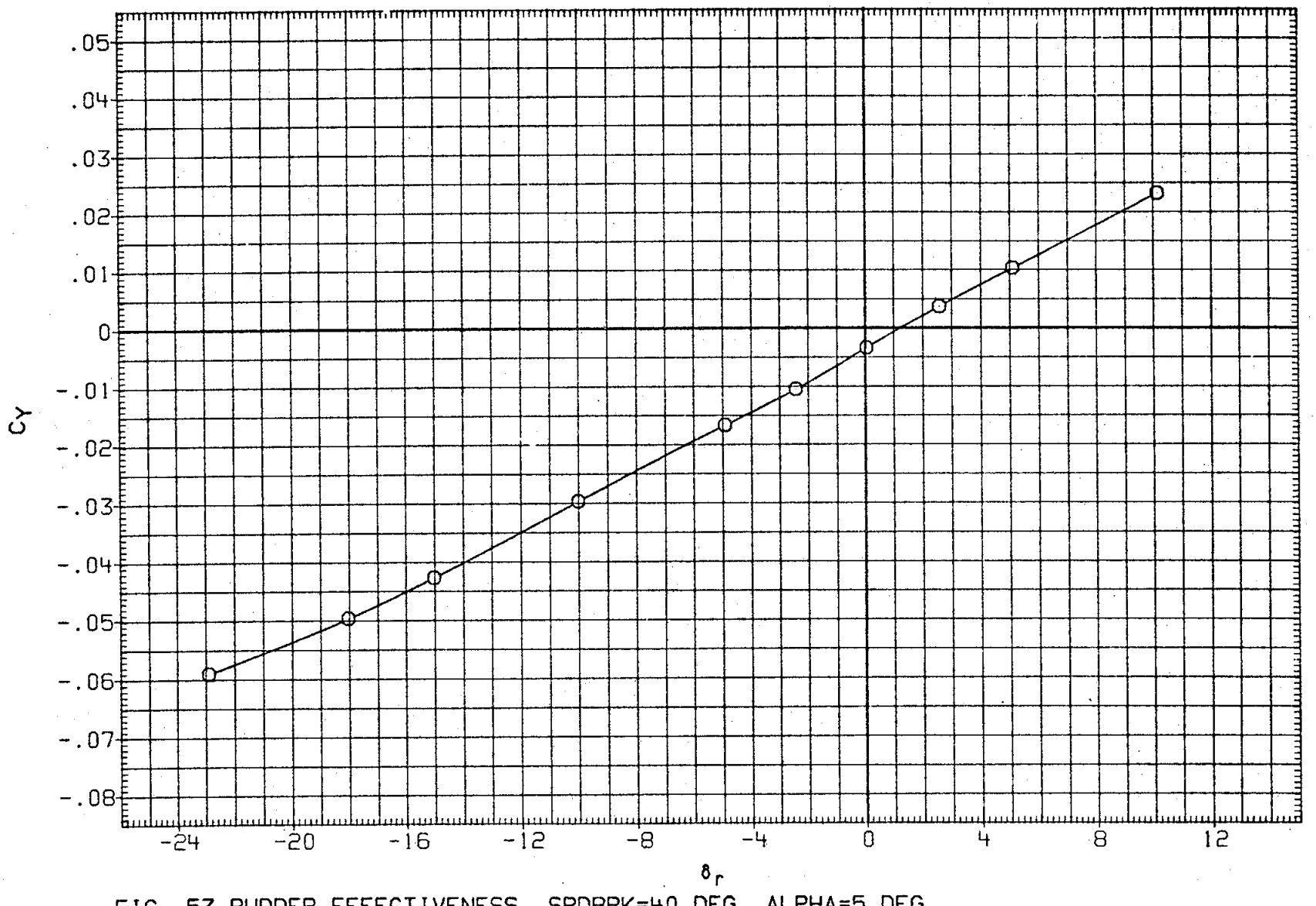


FIG. 53 RUDDER EFFECTIVENESS, SPDBRK=40 DEG, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q091	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	40.000	5.000

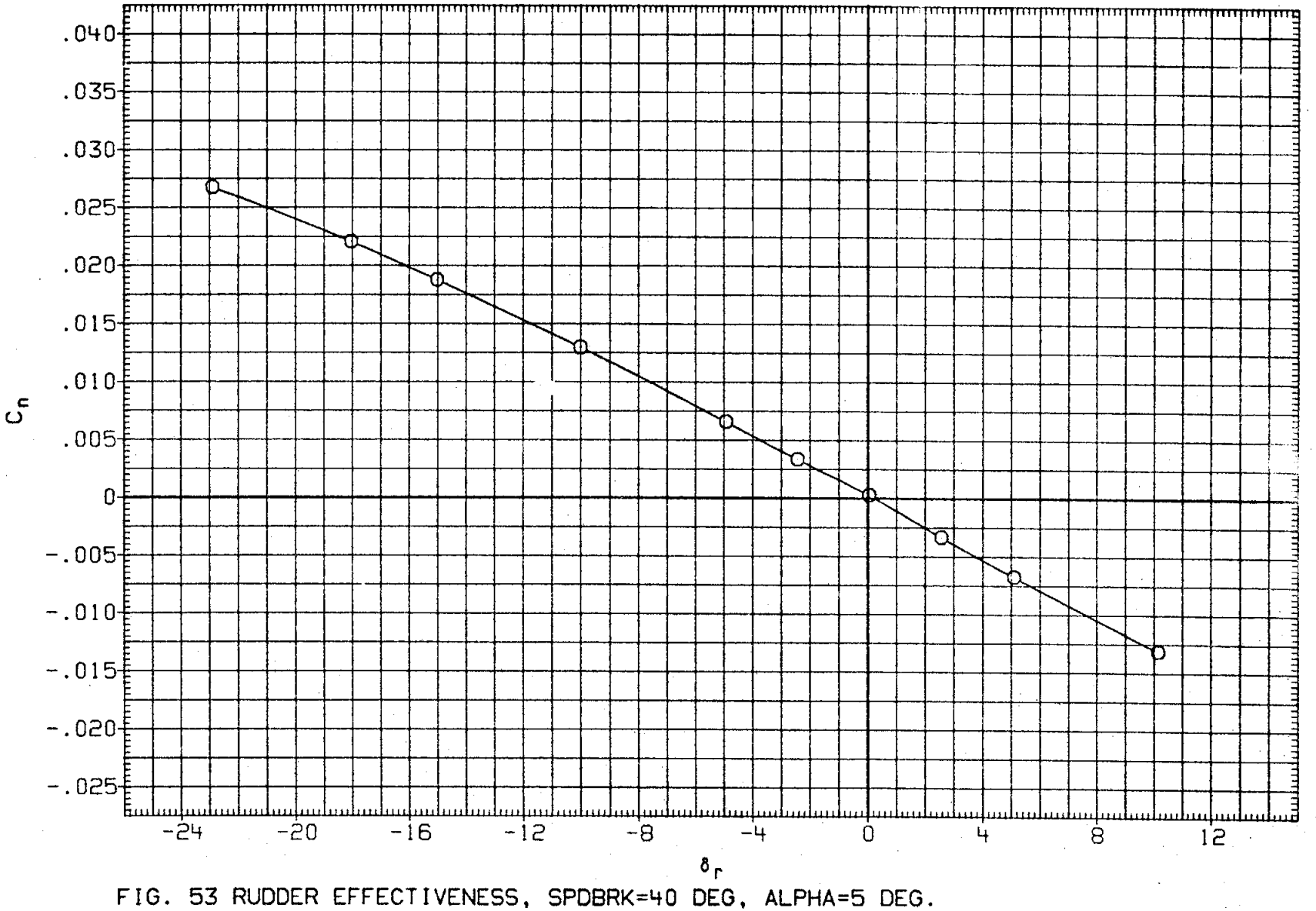


FIG. 53 RUDDER EFFECTIVENESS, SPDBRK=40 DEG, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q091	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	40.000	5.000

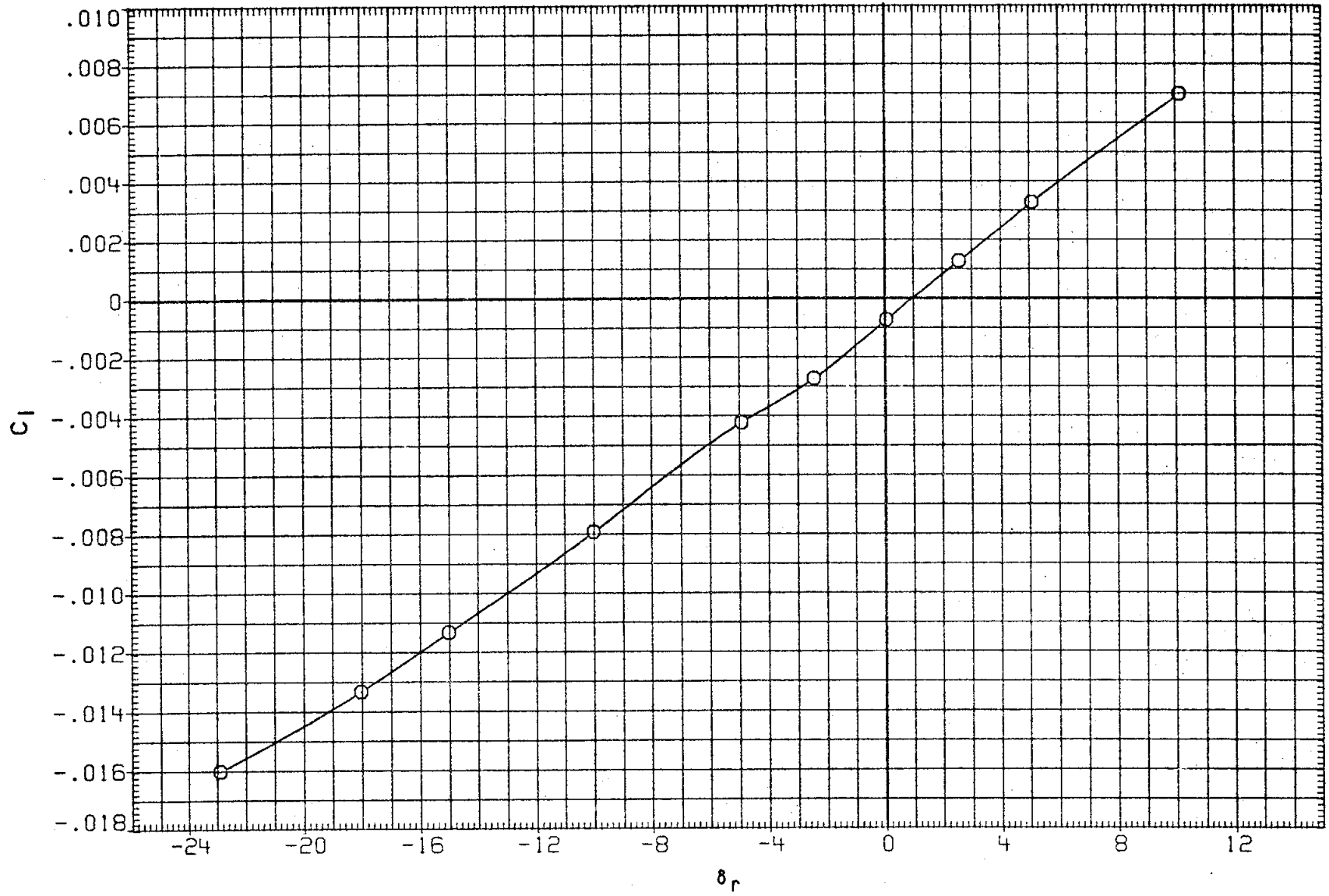


FIG. 53 RUDDER EFFECTIVENESS, SPDBRK=40 DEG, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q092	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	40.000	5.000	-5.000
R2Q090	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	40.000	5.000	.000

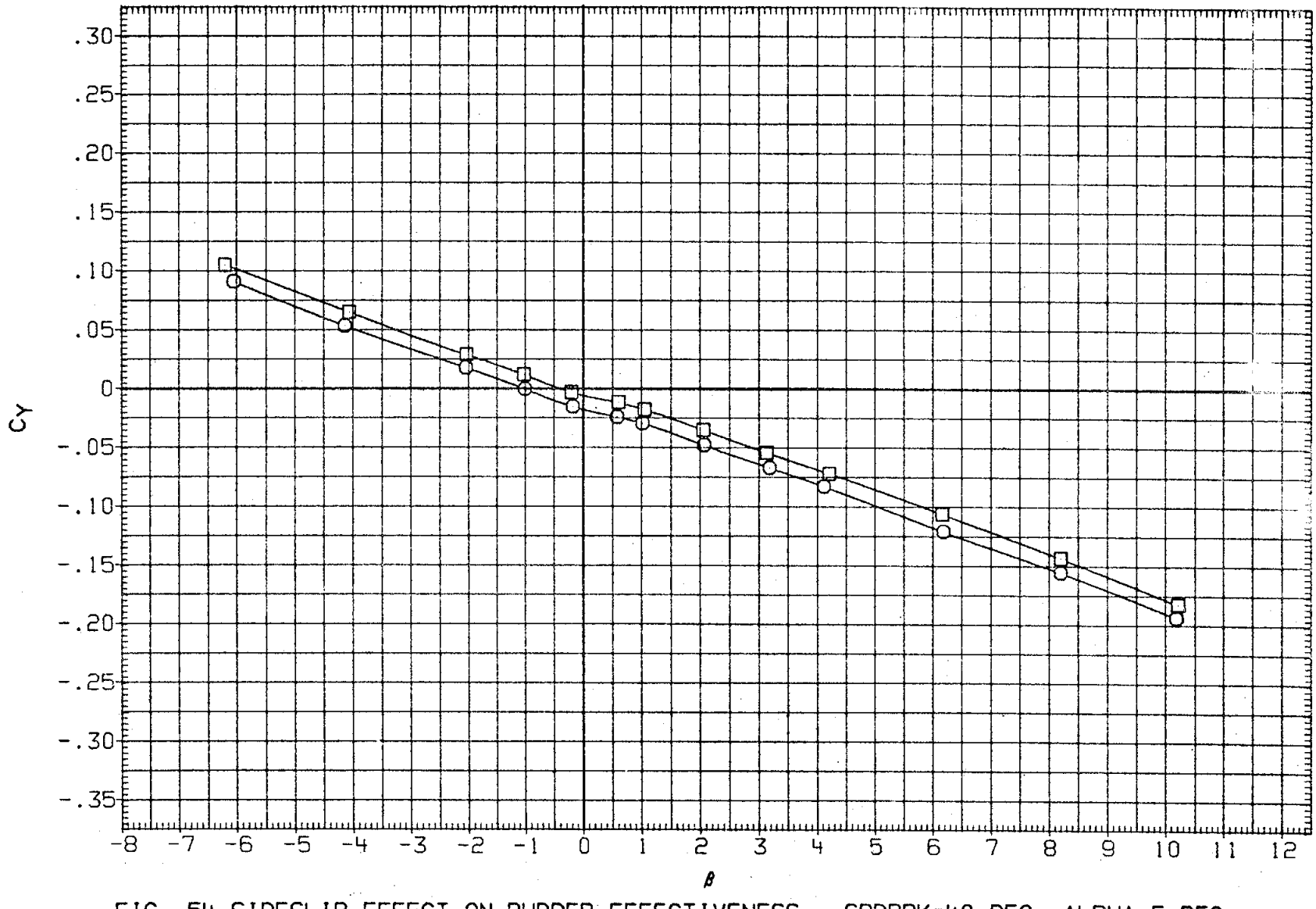


FIG. 54 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=40 DEG.,ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R20092	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	40.000	5.000	-5.000
R2Q090	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	40.000	5.000	.000

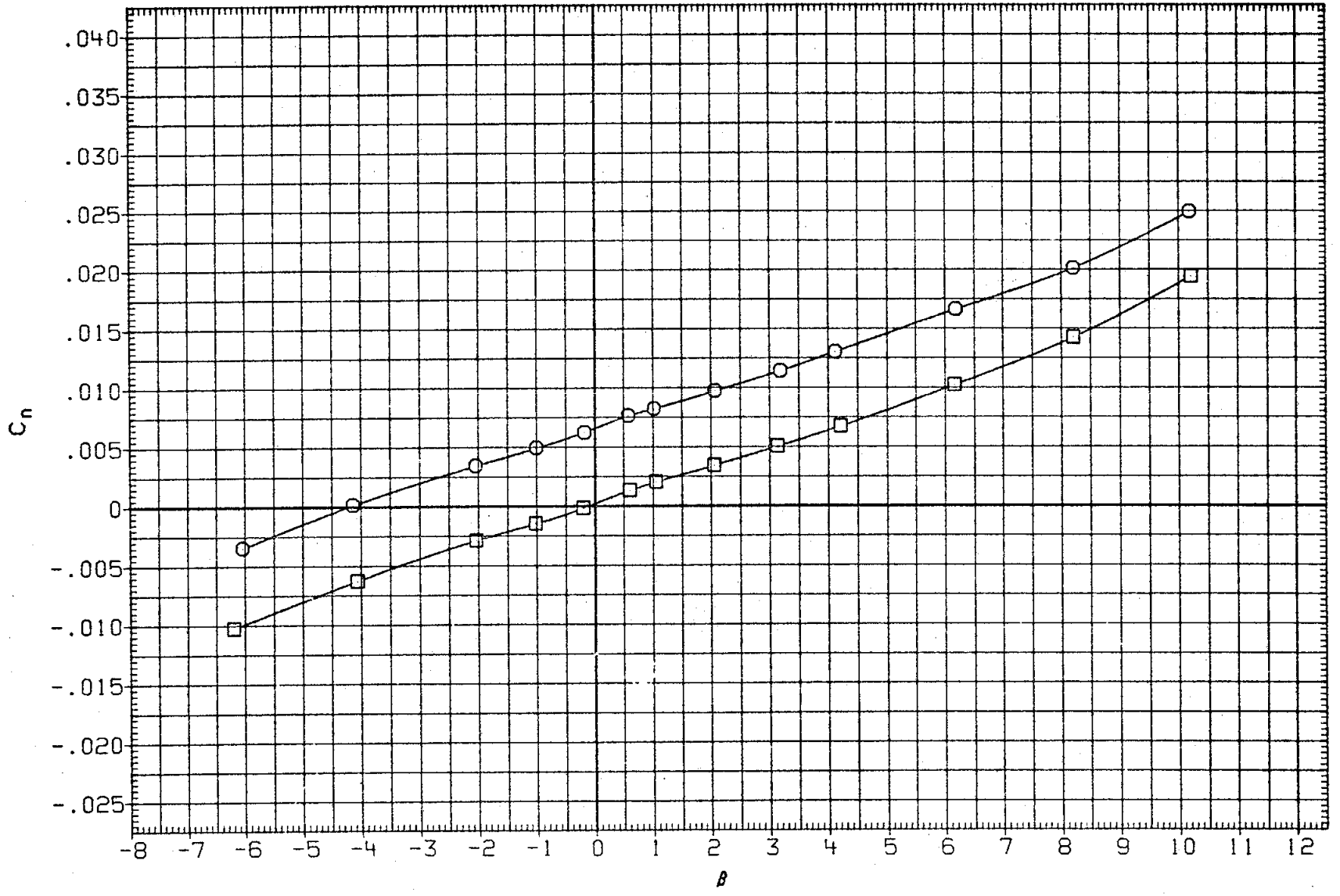


FIG. 54 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=40 DEG.,ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q092	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	40.000	5.000	-5.000
R2Q090	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	40.000	5.000	.000

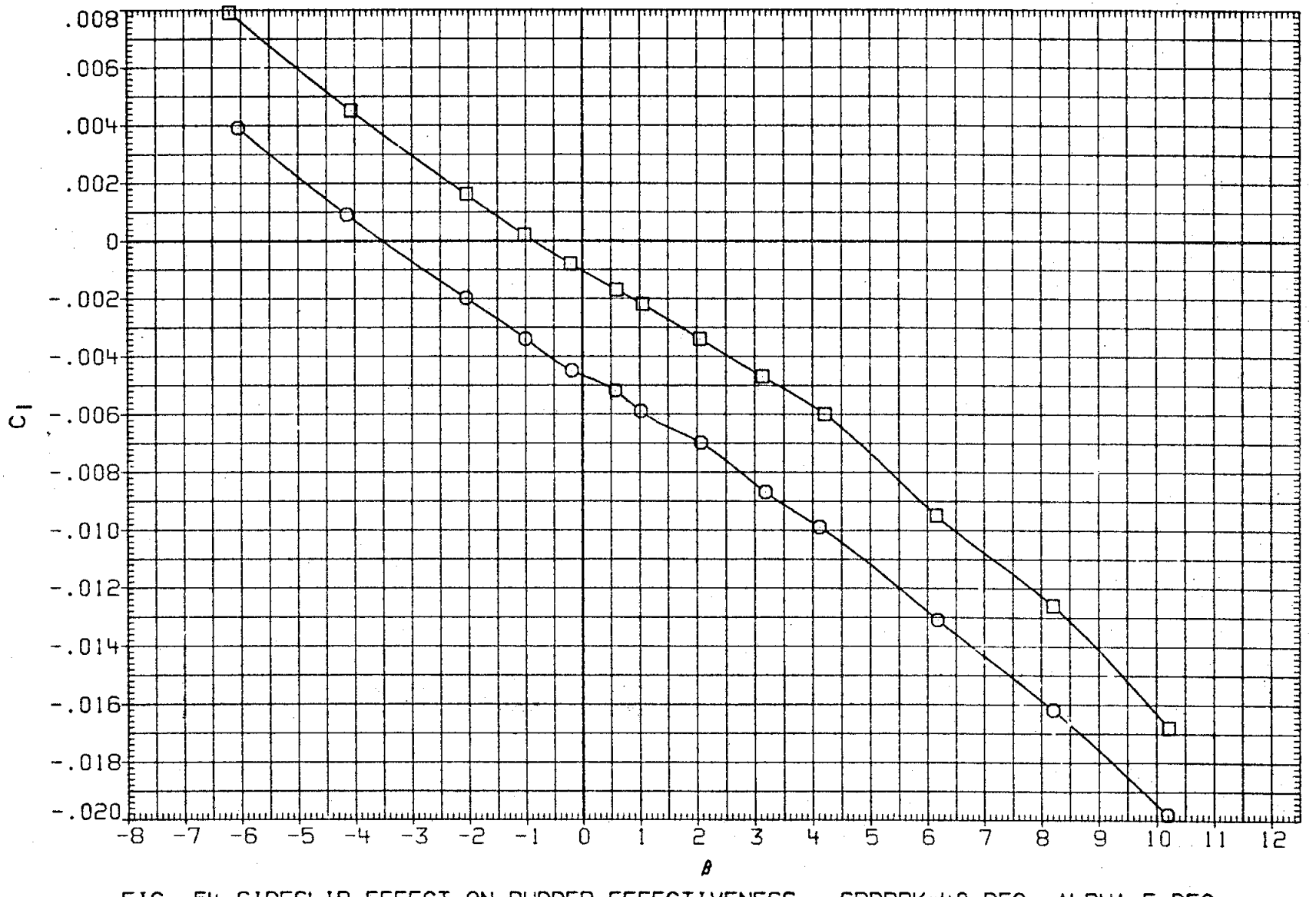


FIG. 54 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=40 DEG.,ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q095	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	55.000	5.000	.000
R2Q096	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	55.000	8.000	.000
3WL014	◇	JUNE 76 ADB	.000	.000	.000	.000	55.000		.000

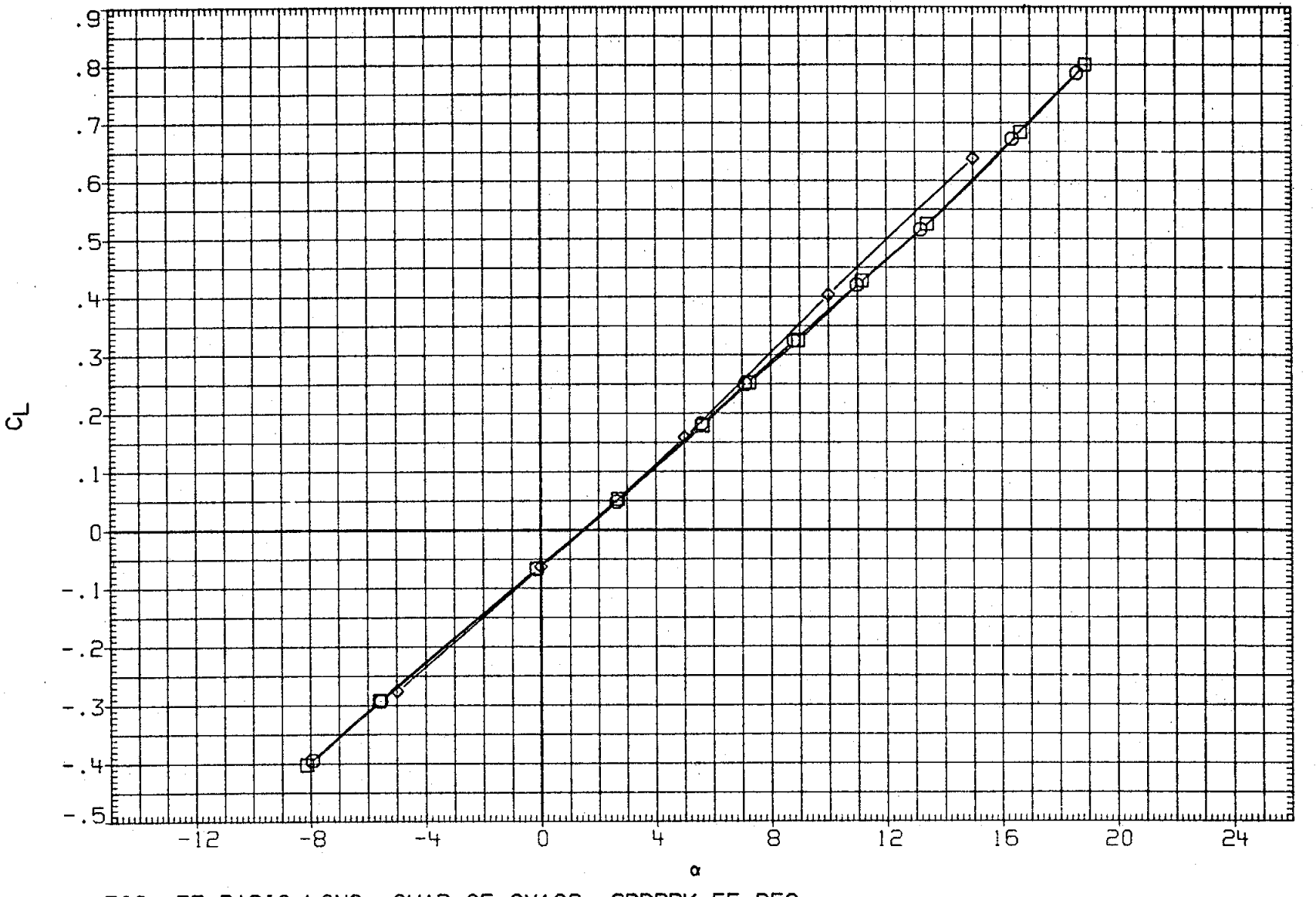


FIG. 55 BASIC LONG. CHAR OF 0V102, SPDBRK=55 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q095	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	55.000	5.000	.000
R2Q096	□	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	55.000	8.000	.000
3WL014	◇	JUNE 76 ADB	.000	.000	.000	.000	55.000		.000

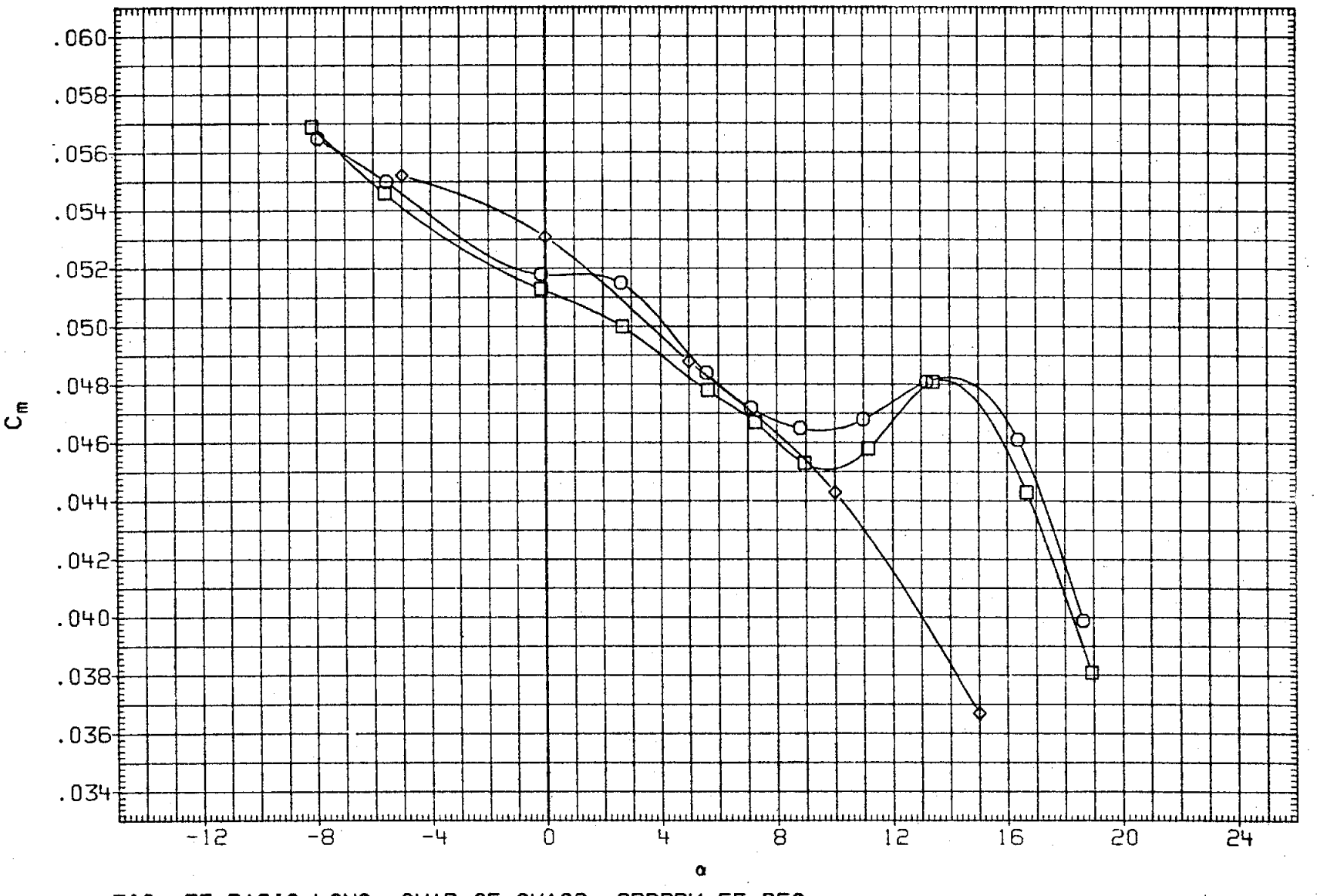


FIG. 55 BASIC LONG. CHAR OF OV102, SPDBRK=55 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q095	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	55.000	5.000	.000
R2Q096	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	55.000	8.000	.000
3WL014	◇	JUNE 76 ADB	.000	.000	.000	.000	55.000		.000

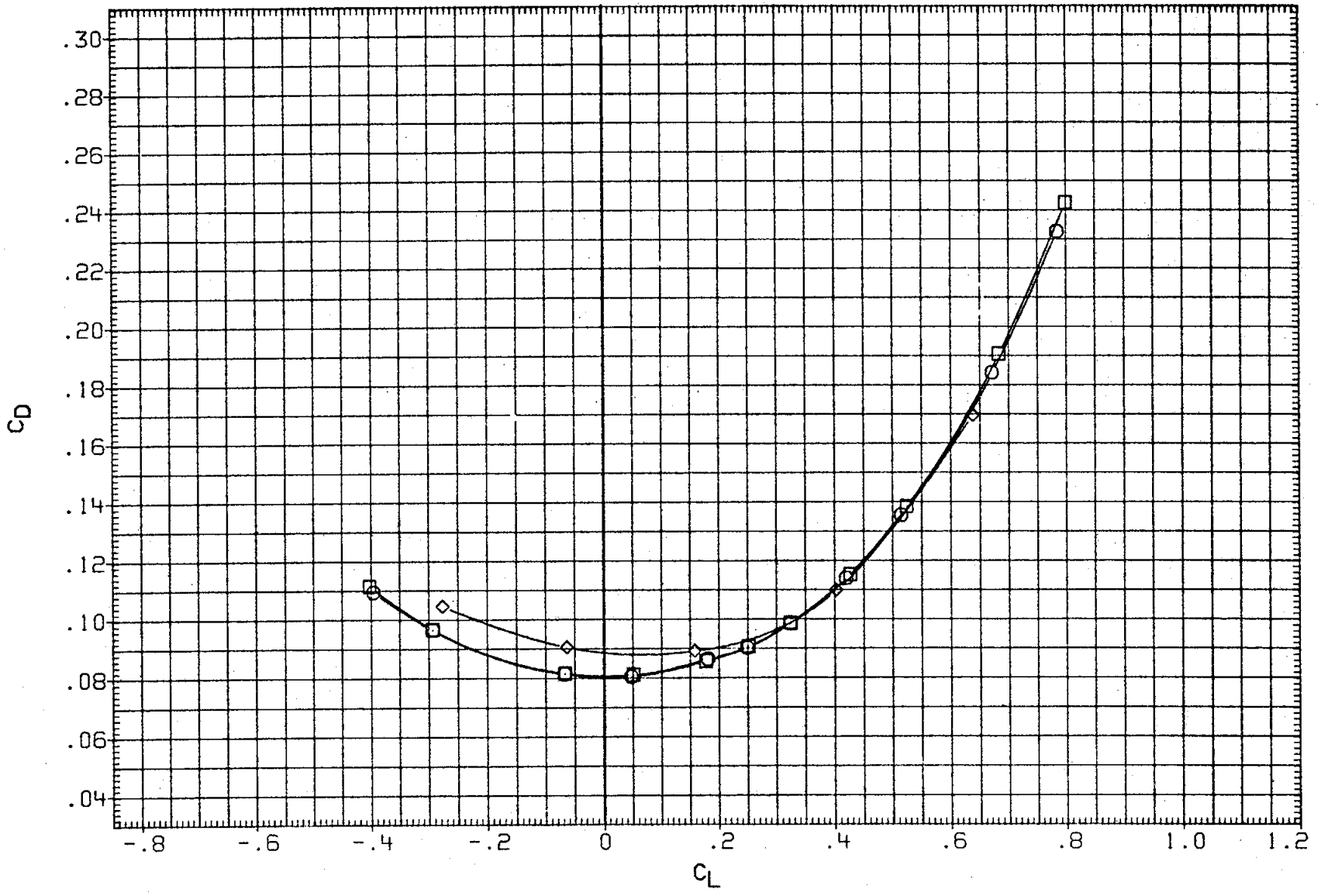


FIG. 55 BASIC LONG. CHAR OF 0V102, SPDBRK=55 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q095	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	55.000	5.000	.000
R2Q096	□	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	55.000	8.000	.000
3WL014	◇	JUNE 76 ADB	.000	.000	.000	.000	55.000		.000

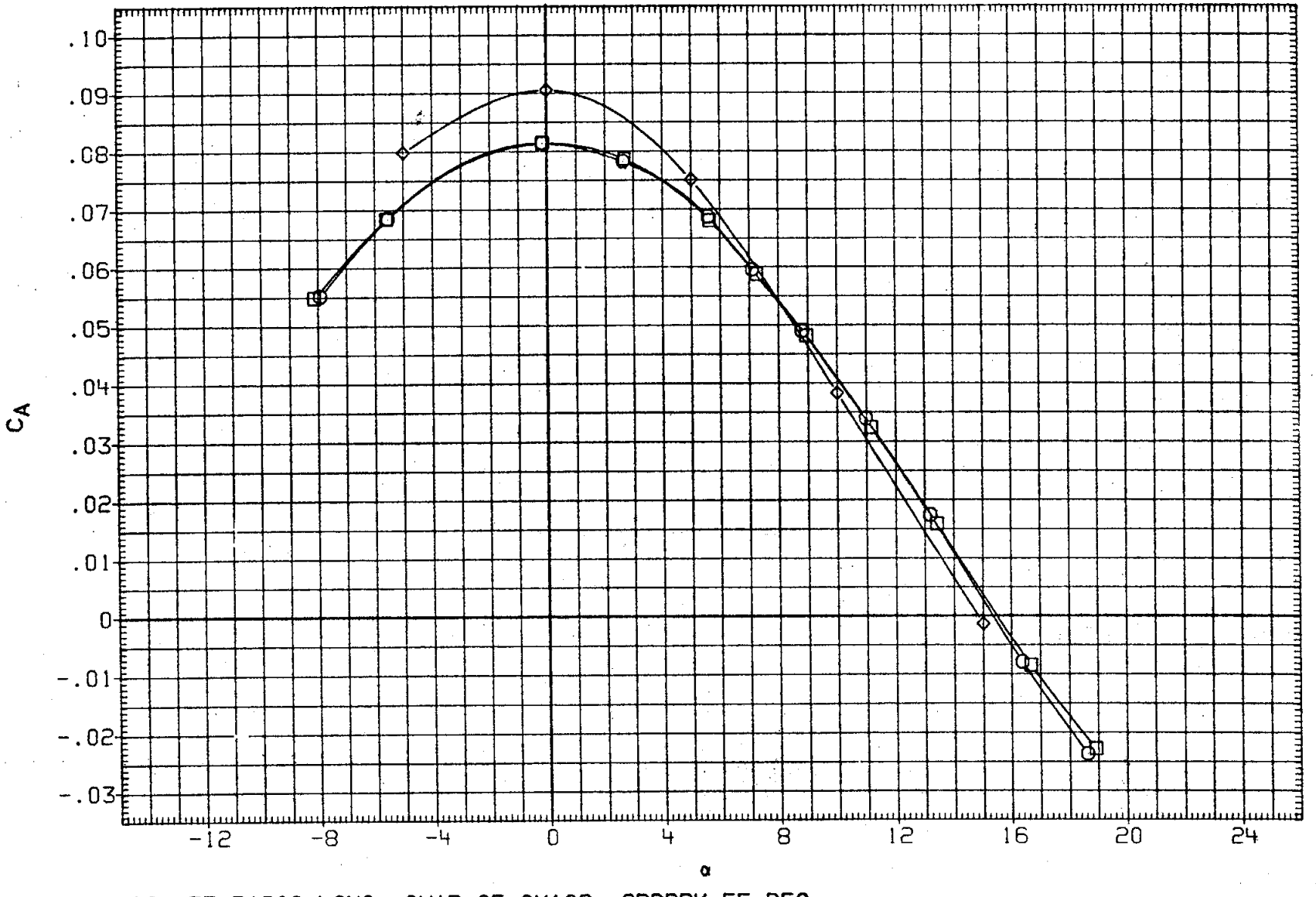


FIG. 55 BASIC LONG. CHAR OF OV102, SPDBRK=55 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q097	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	55.000	8.000	.000
R2Q098	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	55.000	8.000	.000
R2Q099	◇	ARC 218-1-12 OA101 (OV102)	10.000	.000	.000	.000	55.000	8.000	.000
R2Q0A0	△	ARC 218-1-12 OA101 (OV102)	15.000	.000	.000	.000	55.000	8.000	.000
3WL015	◺	JUNE 76 ADB	5.000	.000	.000	.000	55.000		.000

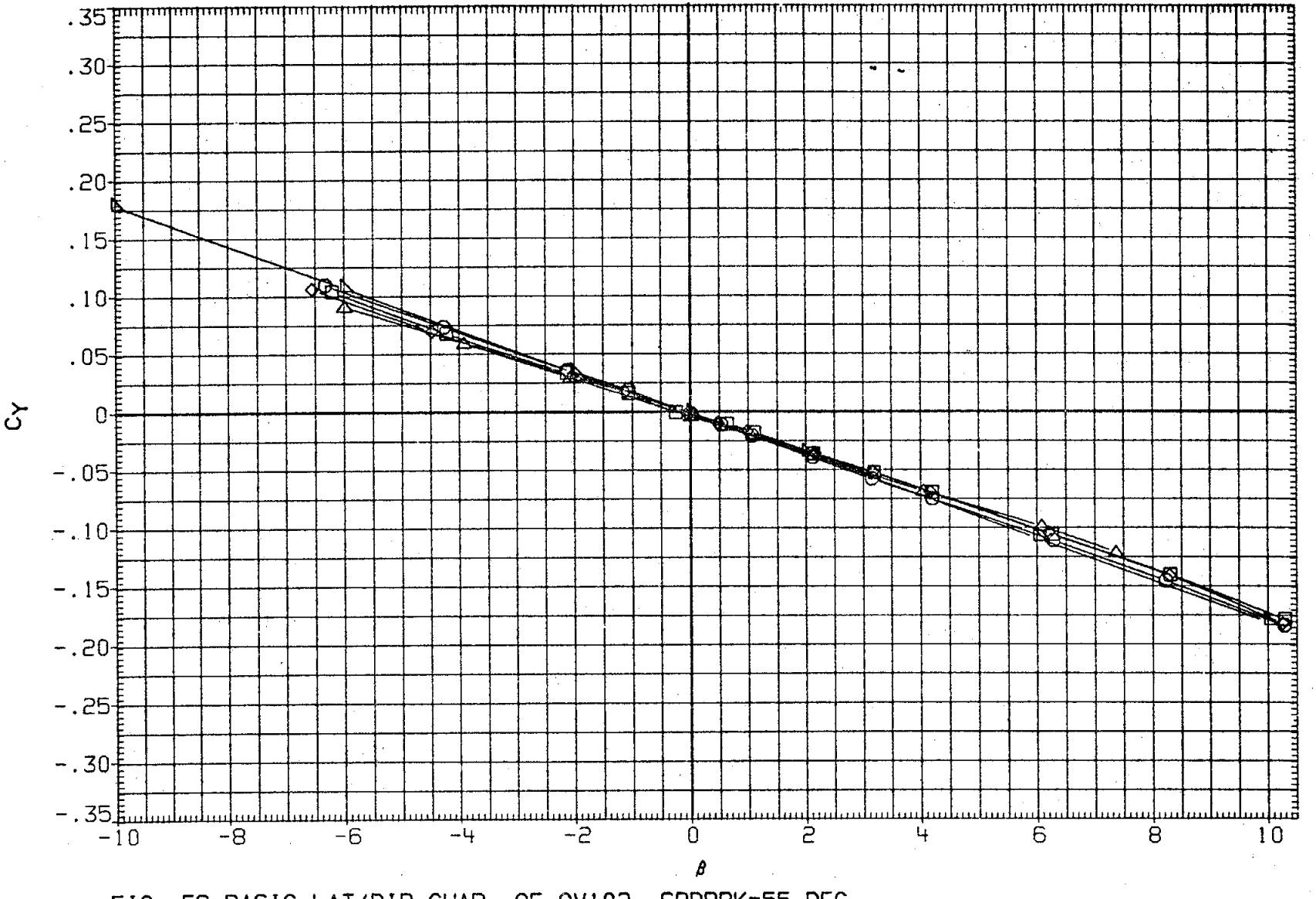


FIG. 56 BASIC LAT/DIR CHAR. OF OV102, SPDBRK=55 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q097	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	55.000	8.000	.000
R2Q098	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	55.000	8.000	.000
R2Q099	◇	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	55.000	8.000	.000
R2Q0A0	△	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	55.000	8.000	.000
3WL015	▷	JUNE 76 ADB	5.000	.000	.000	.000	55.000		.000

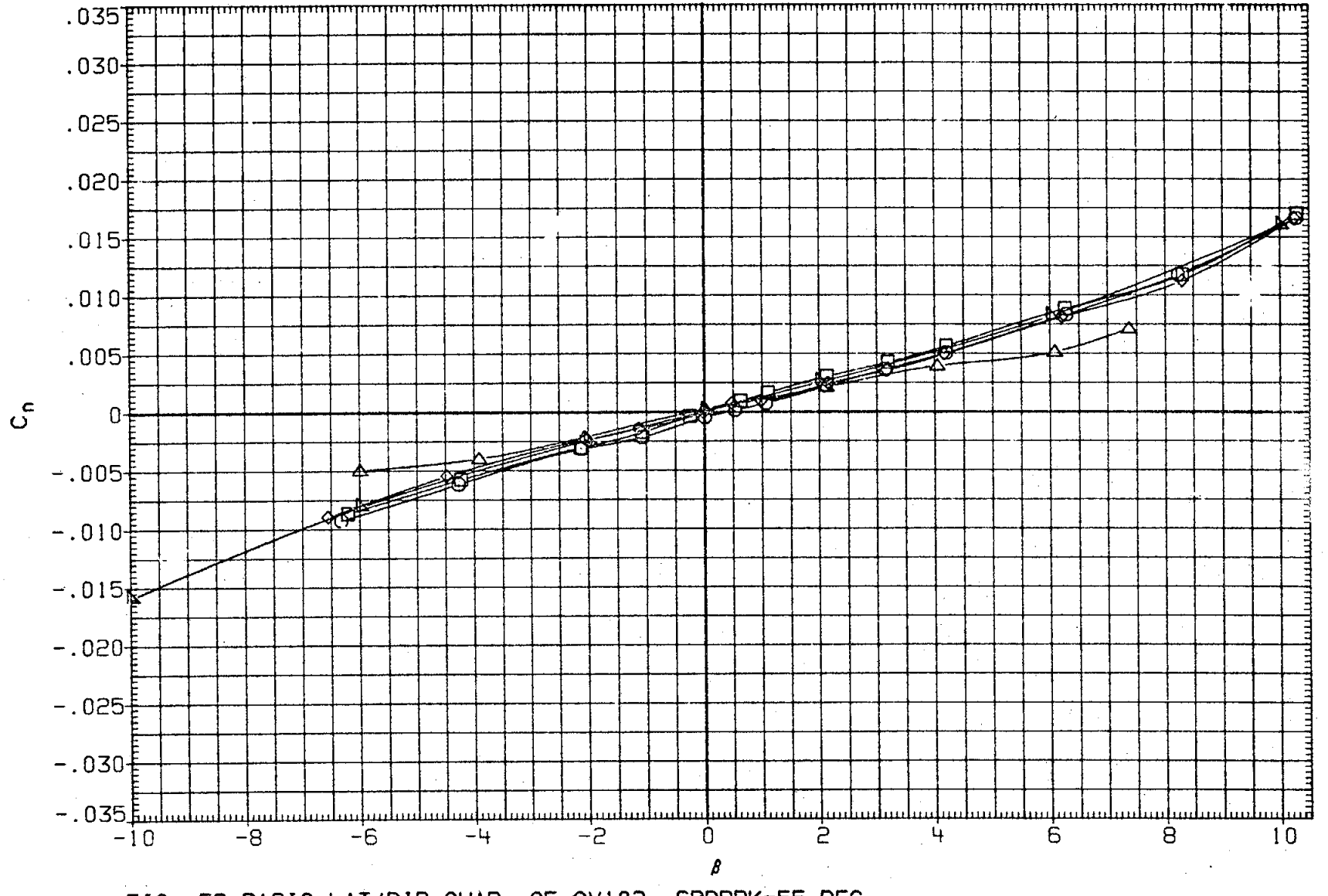


FIG. 56 BASIC LAT/DIR CHAR. OF 0V102, SPDBRK=55 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q097	○	ARC 218-1-12 0A101 (0V102)
R2Q098	□	ARC 218-1-12 0A101 (0V102)
R2Q099	◇	ARC 218-1-12 0A101 (0V102)
R2Q0A0	△	ARC 218-1-12 0A101 (0V102)
3WL015	▷	JUNE 76 ADB

ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
.000	.000	.000	.000	55.000	8.000	.000
5.000	.000	.000	.000	55.000	8.000	.000
10.000	.000	.000	.000	55.000	8.000	.000
15.000	.000	.000	.000	55.000	8.000	.000
5.000	.000	.000	.000	55.000		.000

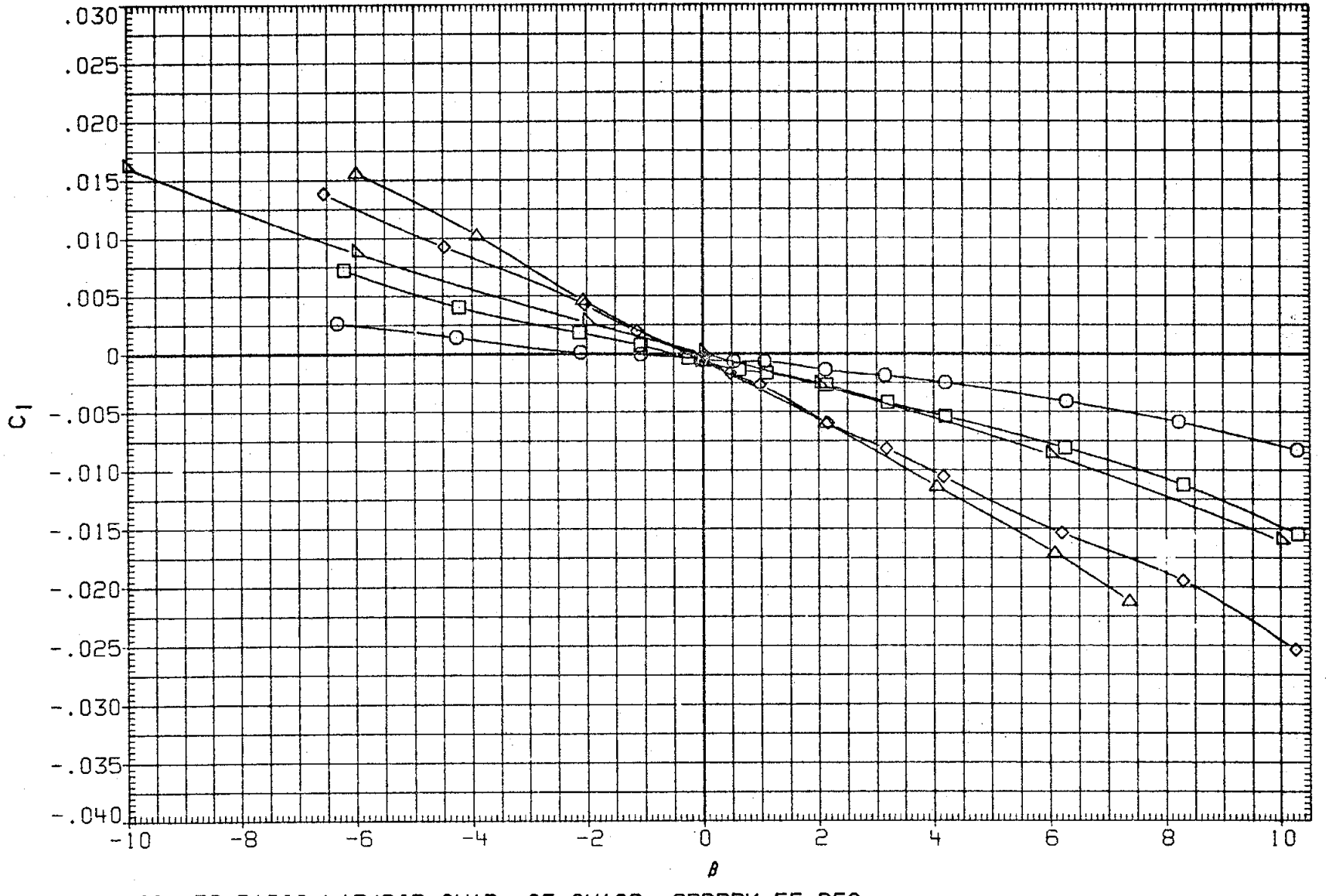


FIG. 56 BASIC LAT/DIR CHAR. OF 0V102, SPDBRK=55 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q0A2	○	ARC 218-1-12 0A101 (0V102)
R2Q0A3	□	ARC 218-1-12 0A101 (0V102)
R2Q0A4	◇	ARC 218-1-12 0A101 (0V102)
R2Q0A5	△	ARC 218-1-12 0A101 (0V102)
3WL016	▽	JUNE 76 ADB

ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
.000	.000	.000	.000	.000	55.000	8.000
5.000	.000	.000	.000	.000	55.000	8.000
10.000	.000	.000	.000	.000	55.000	8.000
15.000	.000	.000	.000	.000	55.000	8.000
5.000	.000	.000	.000	.000	55.000	

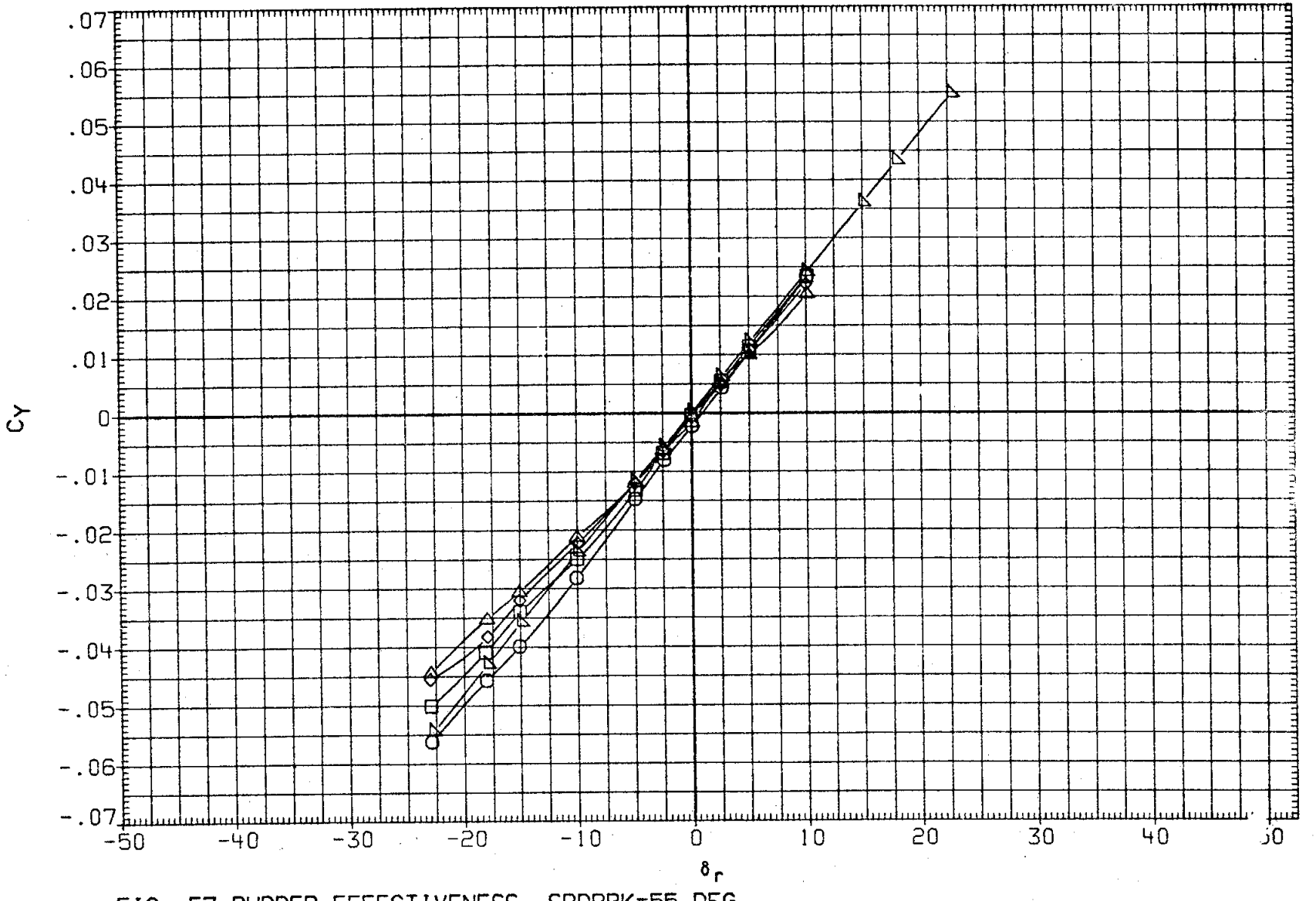


FIG. 57 RUDDER EFFECTIVENESS, SPDBRK=55 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q0A2	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	.000	55.000	8.000
R2Q0A3	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	55.000	8.000
R2Q0A4	◇	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	.000	55.000	8.000
R2Q0A5	△	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	.000	55.000	8.000
3WL016	◺	JUNE 76 ADB	5.000	.000	.000	.000	.000	55.000	

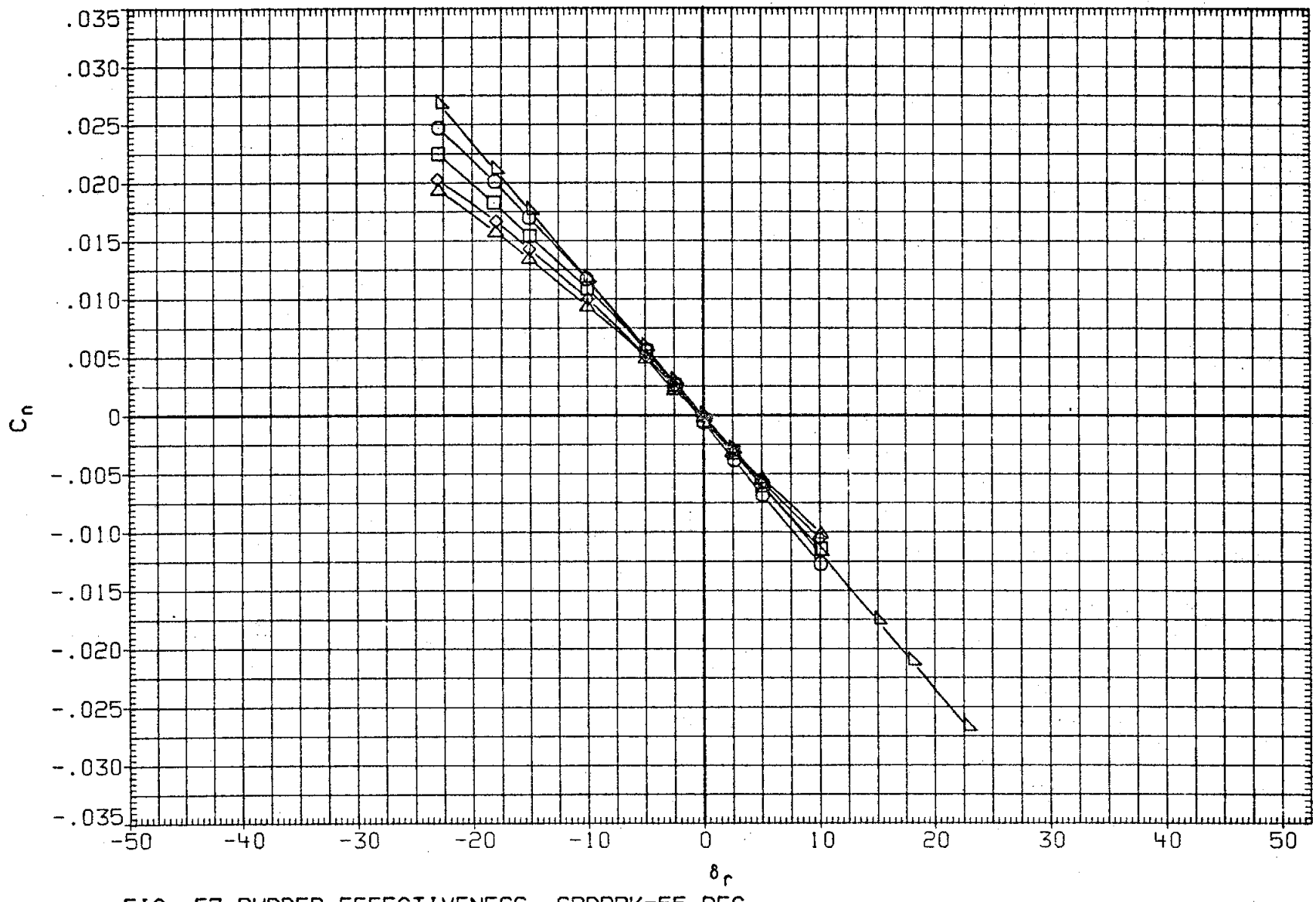


FIG. 57 RUDDER EFFECTIVENESS, SPDBRK=55 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q0A2	○	ARC 218-1-12 0A101 (0V102)
R2Q0A3	□	ARC 218-1-12 0A101 (0V102)
R2Q0A4	◇	ARC 218-1-12 0A101 (0V102)
R2Q0A5	△	ARC 218-1-12 0A101 (0V102)
3WL016	◁	JUNE 76 ADB

ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
.000	.000	.000	.000	.000	55.000	6.000
5.000	.000	.000	.000	.000	55.000	8.000
10.000	.000	.000	.000	.000	55.000	8.000
15.000	.000	.000	.000	.000	55.000	8.000
5.000	.000	.000	.000	.000	55.000	

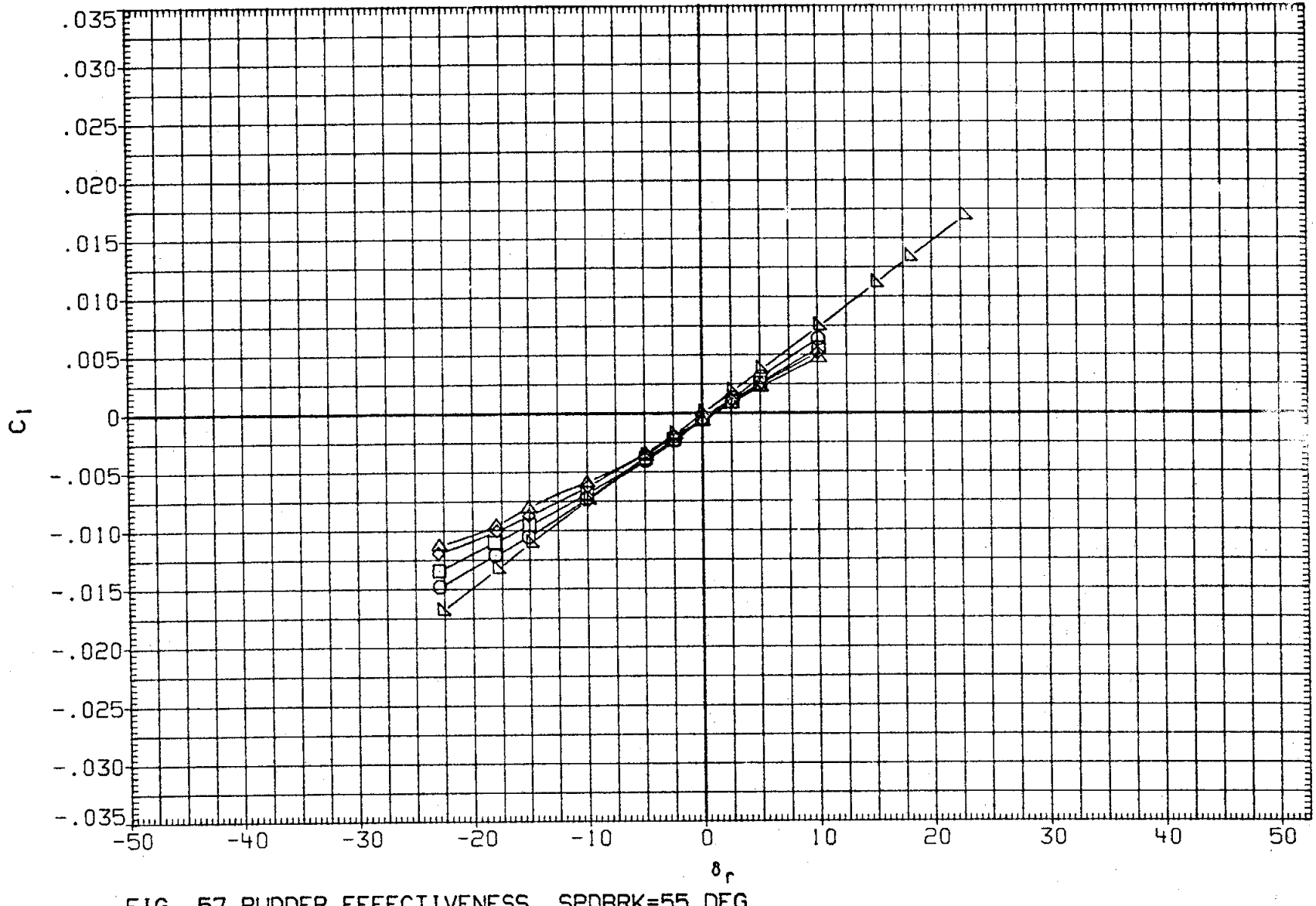


FIG. 57 RUDDER EFFECTIVENESS, SPDBRK=55 DEG

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0A7	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	55.000	8.000	-5.000
R2Q098	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	55.000	8.000	.000

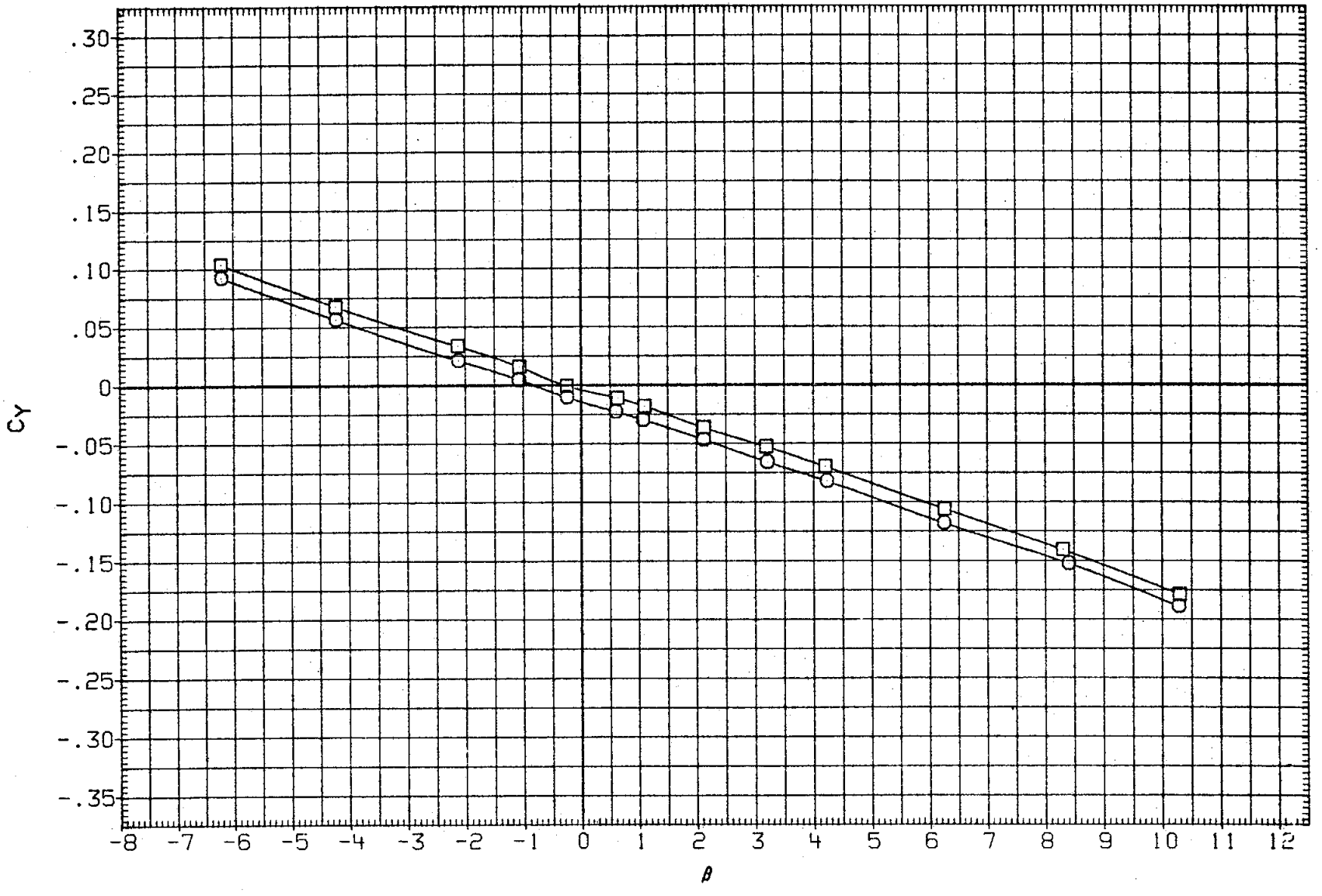


FIG. 58 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=55 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0A7	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	55.000	8.000	-5.000
R2Q098	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	55.000	8.000	.000

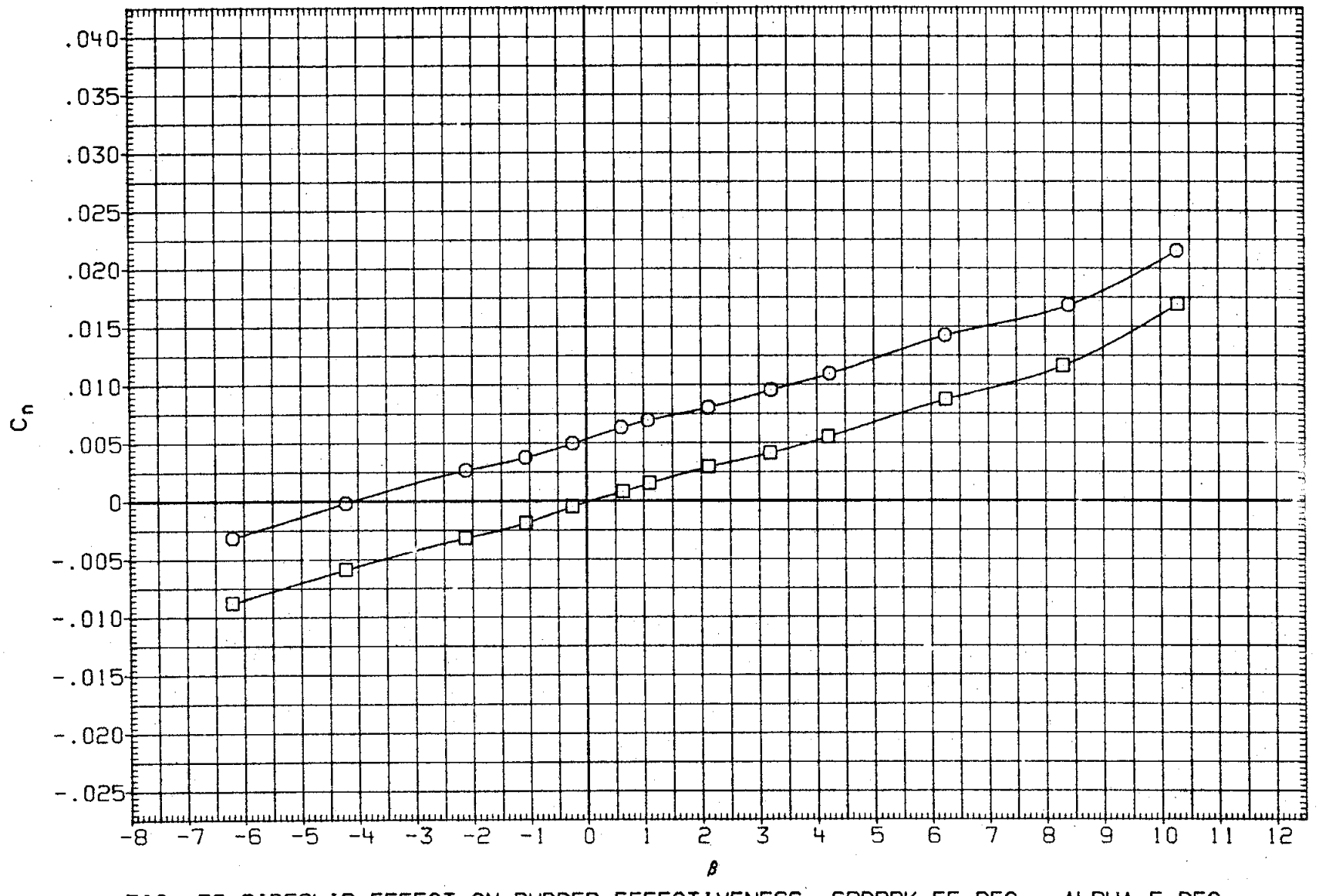


FIG. 58 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=55 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0A7	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	55.000	8.000	-5.000
R2Q098	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	55.000	8.000	.000

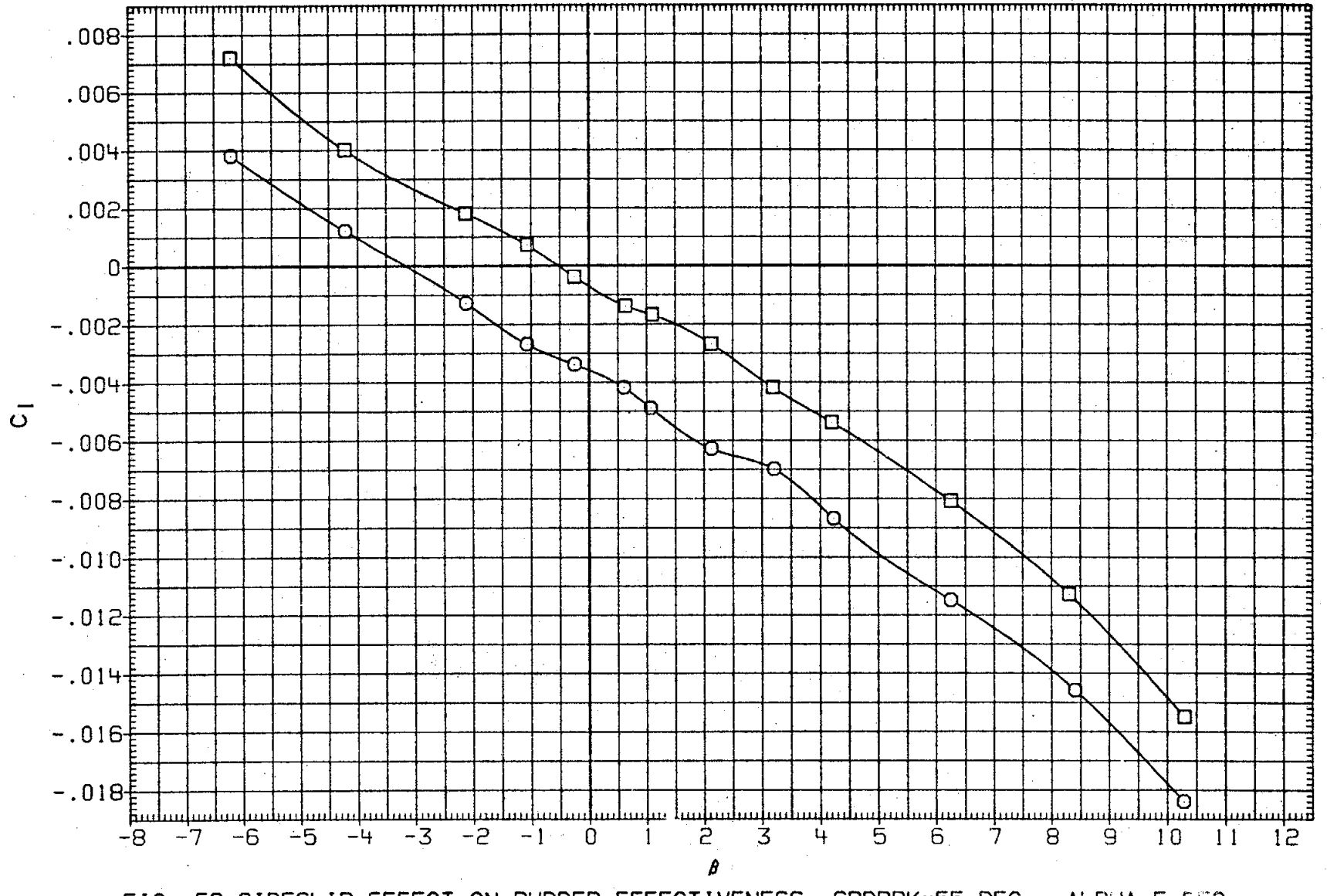


FIG. 58 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=55 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q098	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	55.000	8.000	.000
R2Q0A7	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	55.000	8.000	-5.000
R2Q0A8	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	55.000	8.000	-22.800

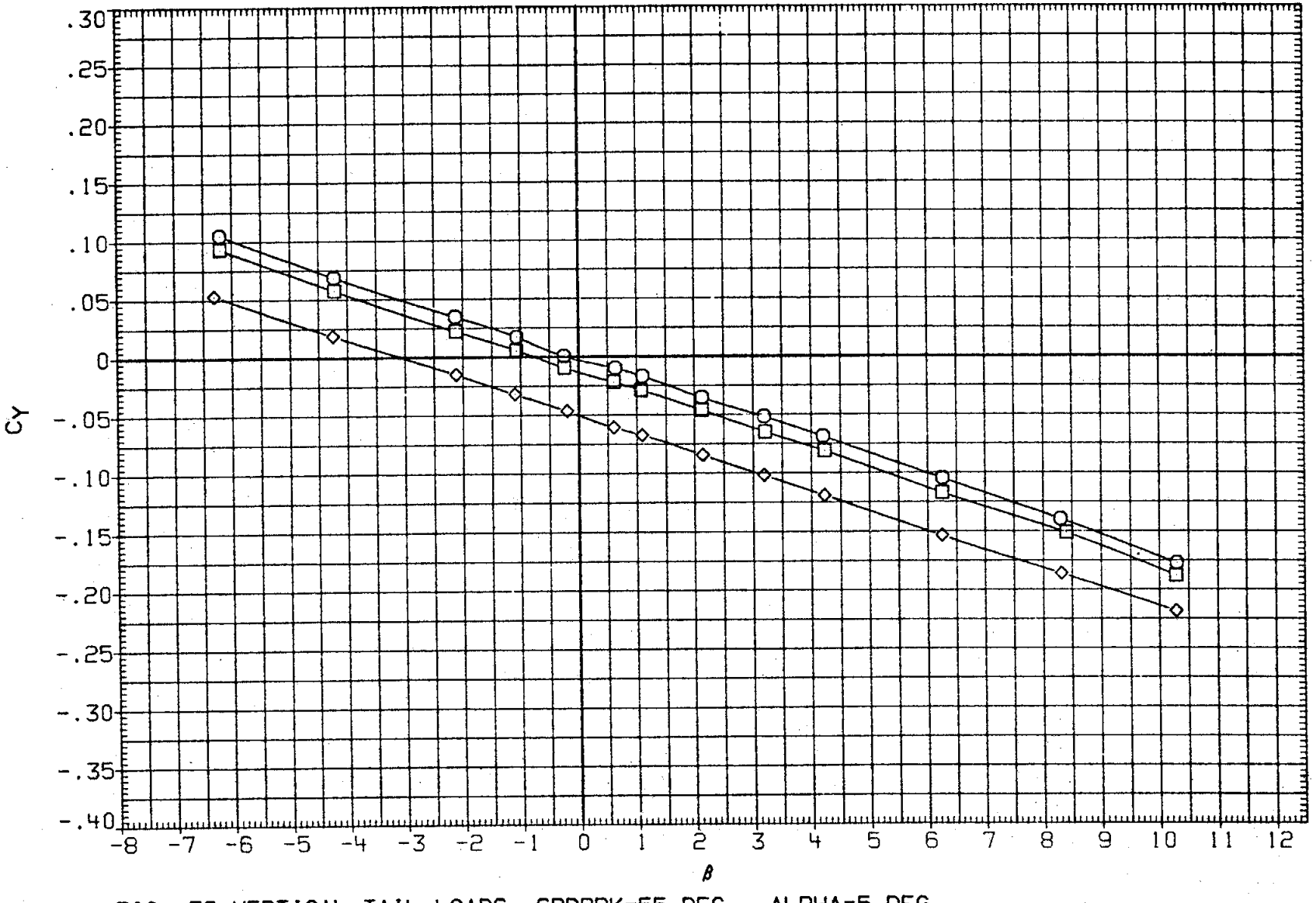


FIG. 59 VERTICAL TAIL LOADS, SPDBRK=55 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
R2Q098	○	ARC 218-1-12 0A101 (0V102)
R2Q0A7	□	ARC 218-1-12 0A101 (0V102)
R2Q0A8	◇	ARC 218-1-12 0A101 (0V102)

ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
5.000	.000	.000	.000	55.000	8.000	.000
5.000	.000	.000	.000	55.000	8.000	-5.000
5.000	.000	.000	.000	55.000	8.000	-22.800

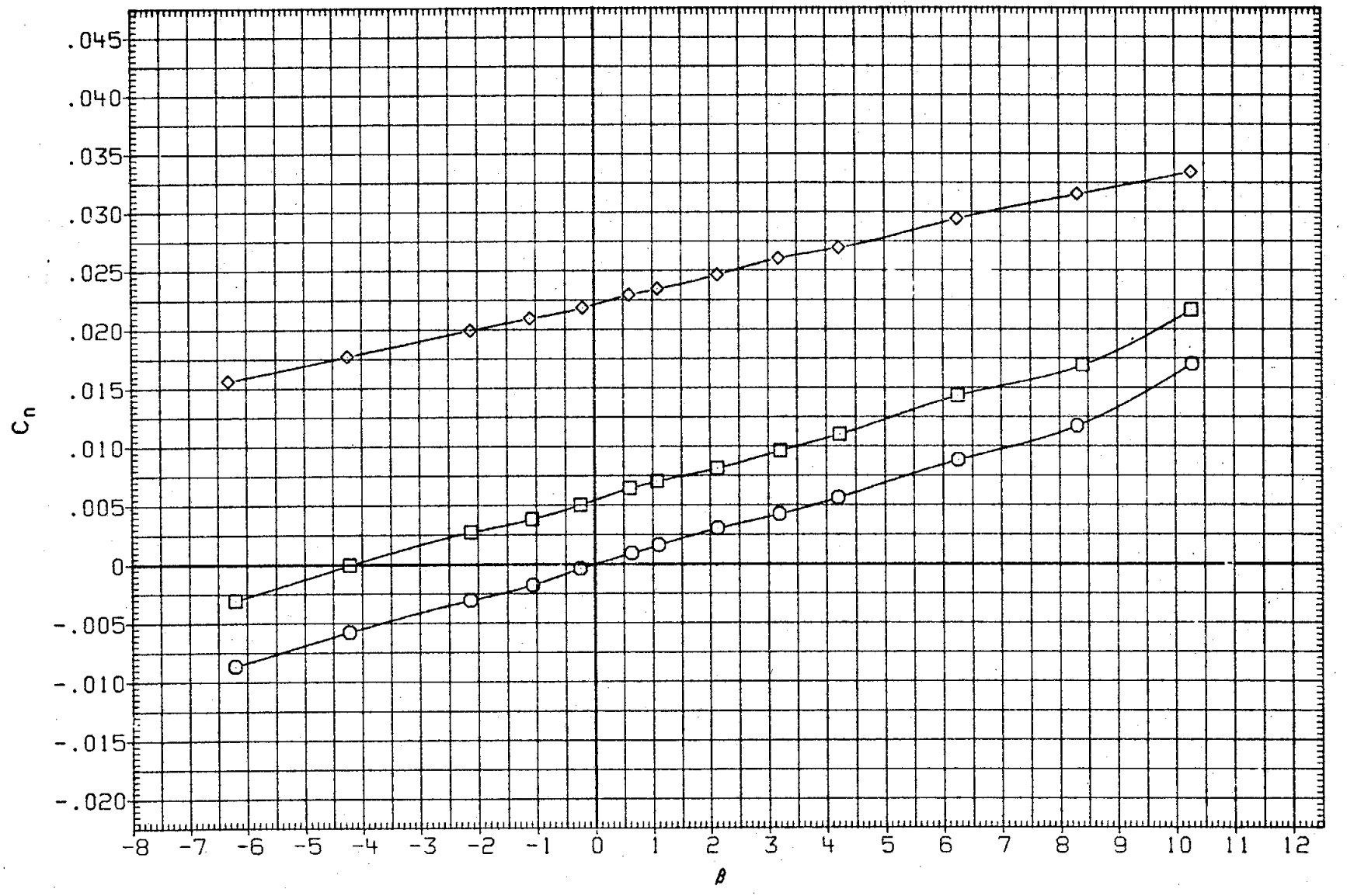


FIG. 59 VERTICAL TAIL LOADS, SPDBRK=55 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q098	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	55.000	8.000	.000
R2Q0A7	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	55.000	8.000	-5.000
R2Q0A8	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	55.000	8.000	-22.800

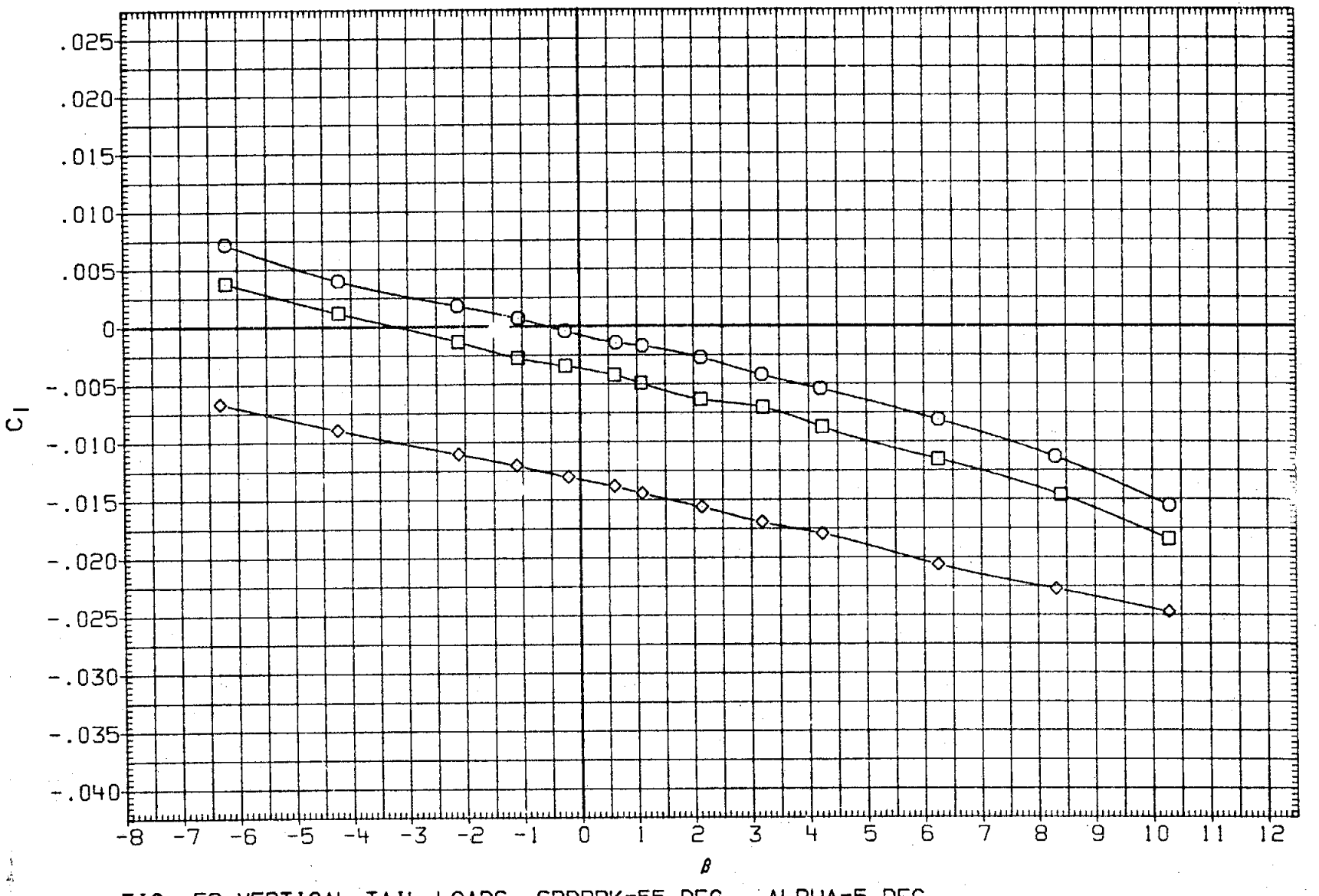


FIG. 59 VERTICAL TAIL LOADS, SPDBRK=55 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0A9	O	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	70.000	5.000	.000

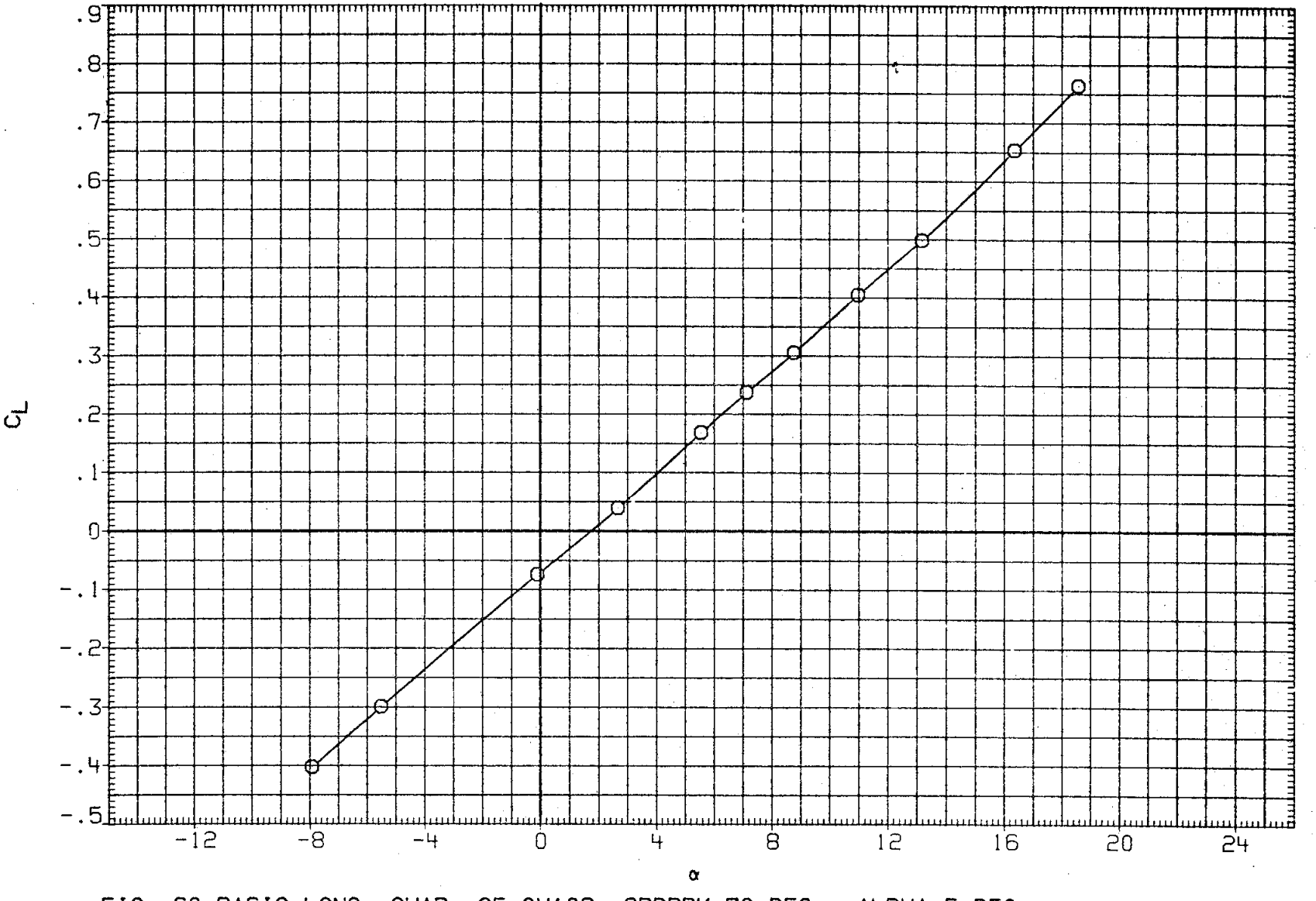


FIG. 60 BASIC LONG. CHAR. OF 0V102, SPDBRK=70 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R200A9	O	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	70.000	5.000	.000

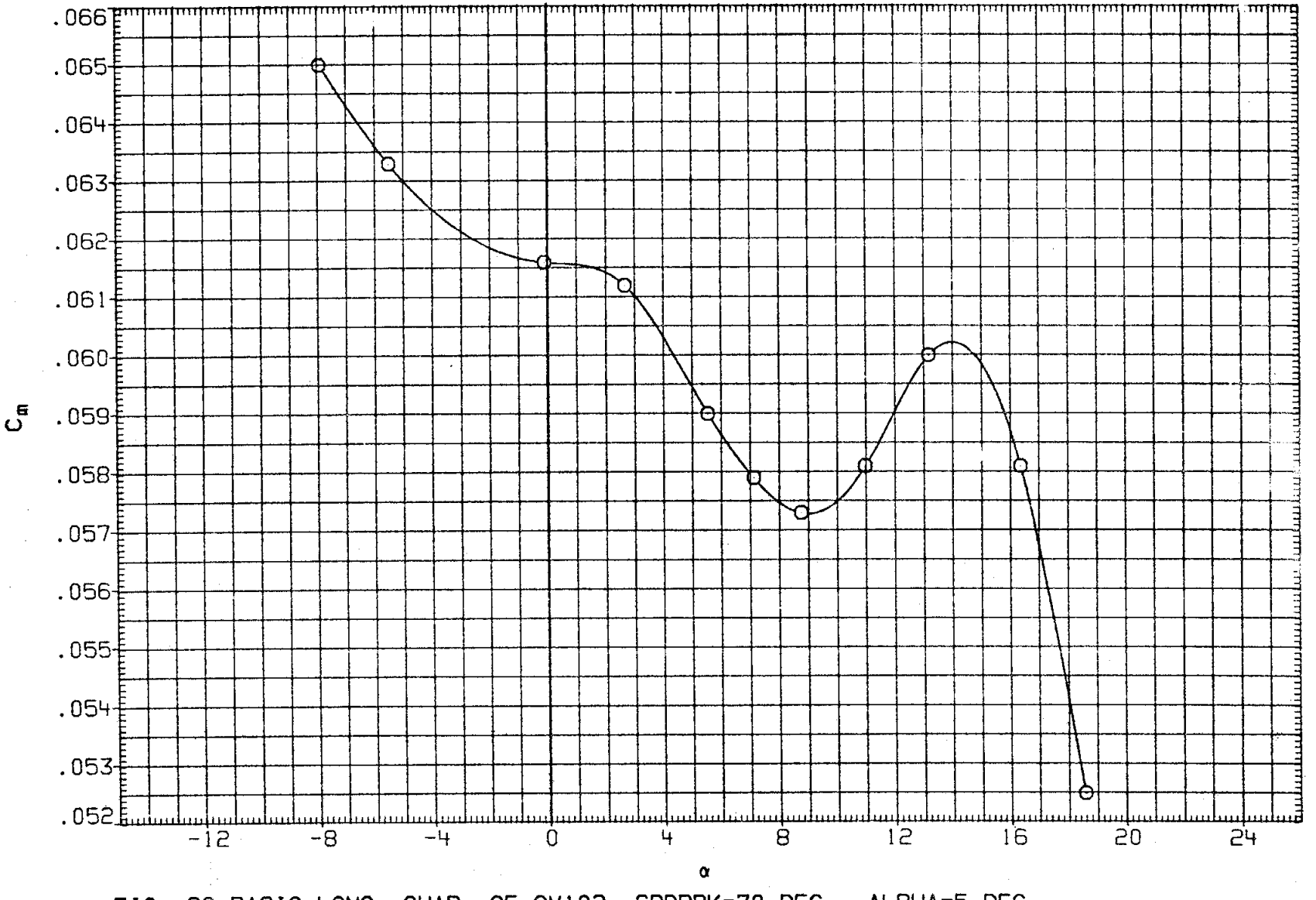


FIG. 60 BASIC LONG. CHAR. OF 0V102, SPDBRK=70 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0A9	O	ARC 218-1-12 0A101 (OV102)	.000	.000	.000	.000	70.000	5.000	.000

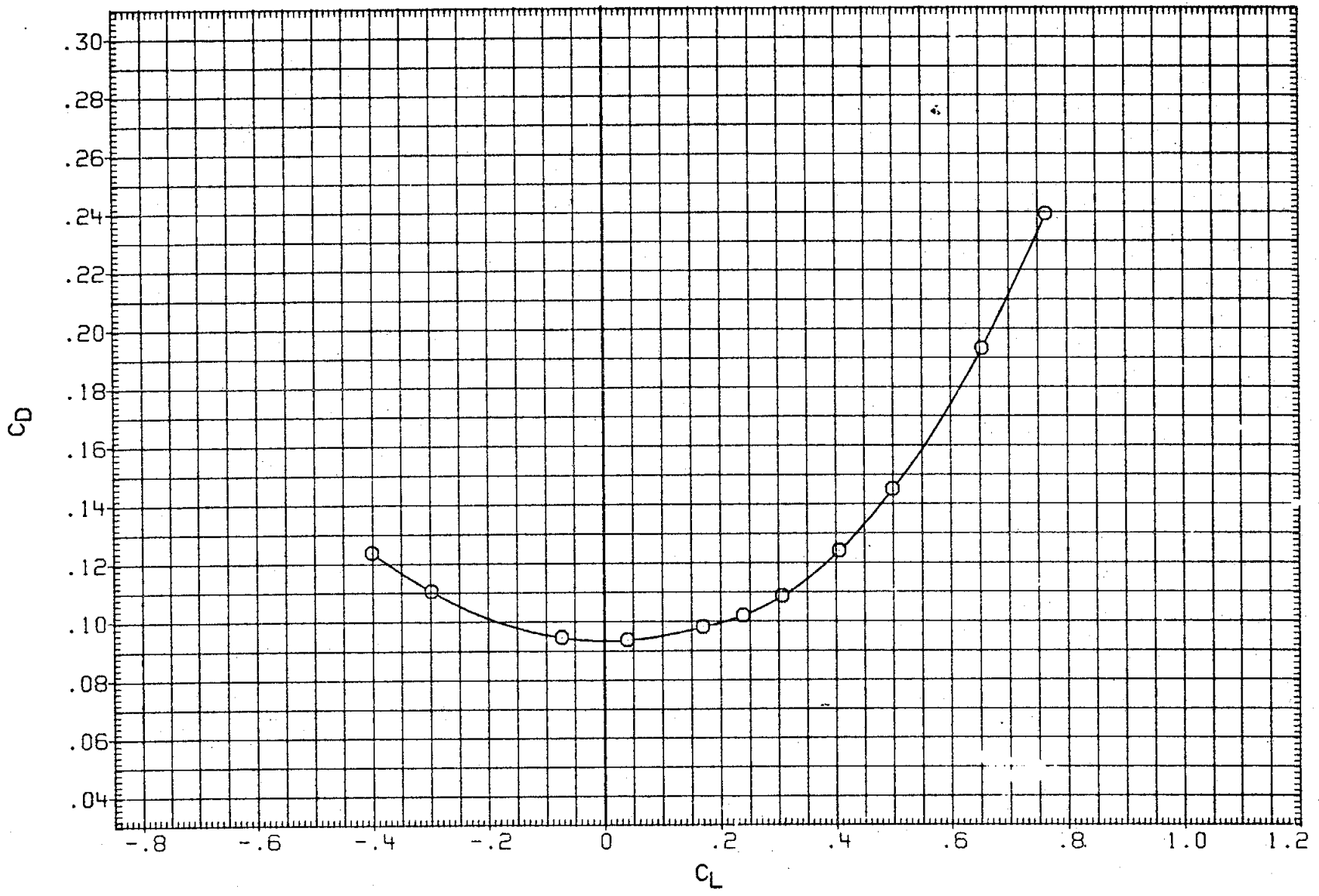


FIG. 60 BASIC LONG. CHAR. OF OV102, SPDBRK=70 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0A9	O	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	70.000	5.000	.000

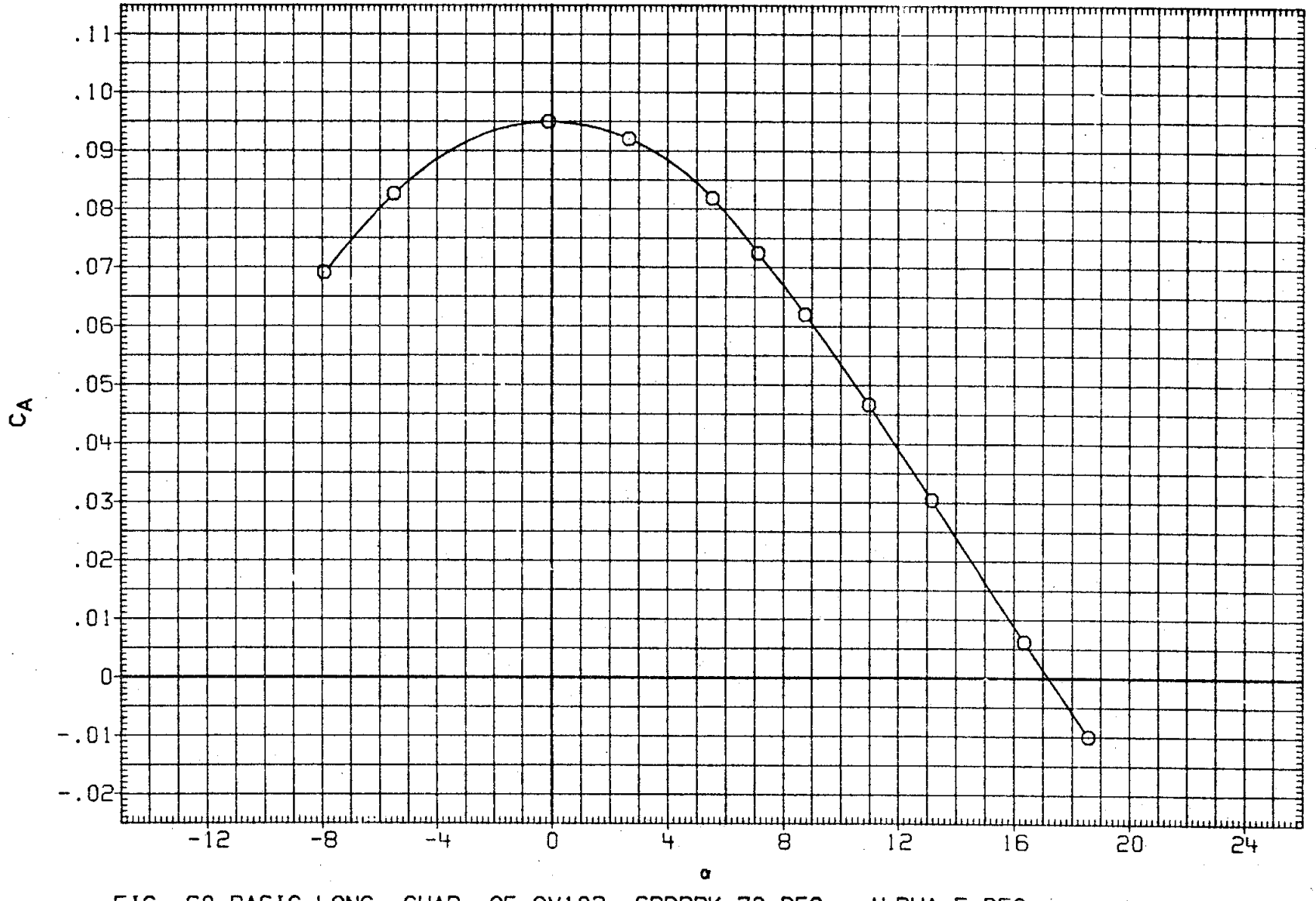


FIG. 60 BASIC LONG. CHAR. OF OV102, SPDBRK=70 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R200B0	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	70.000	5.000	.000

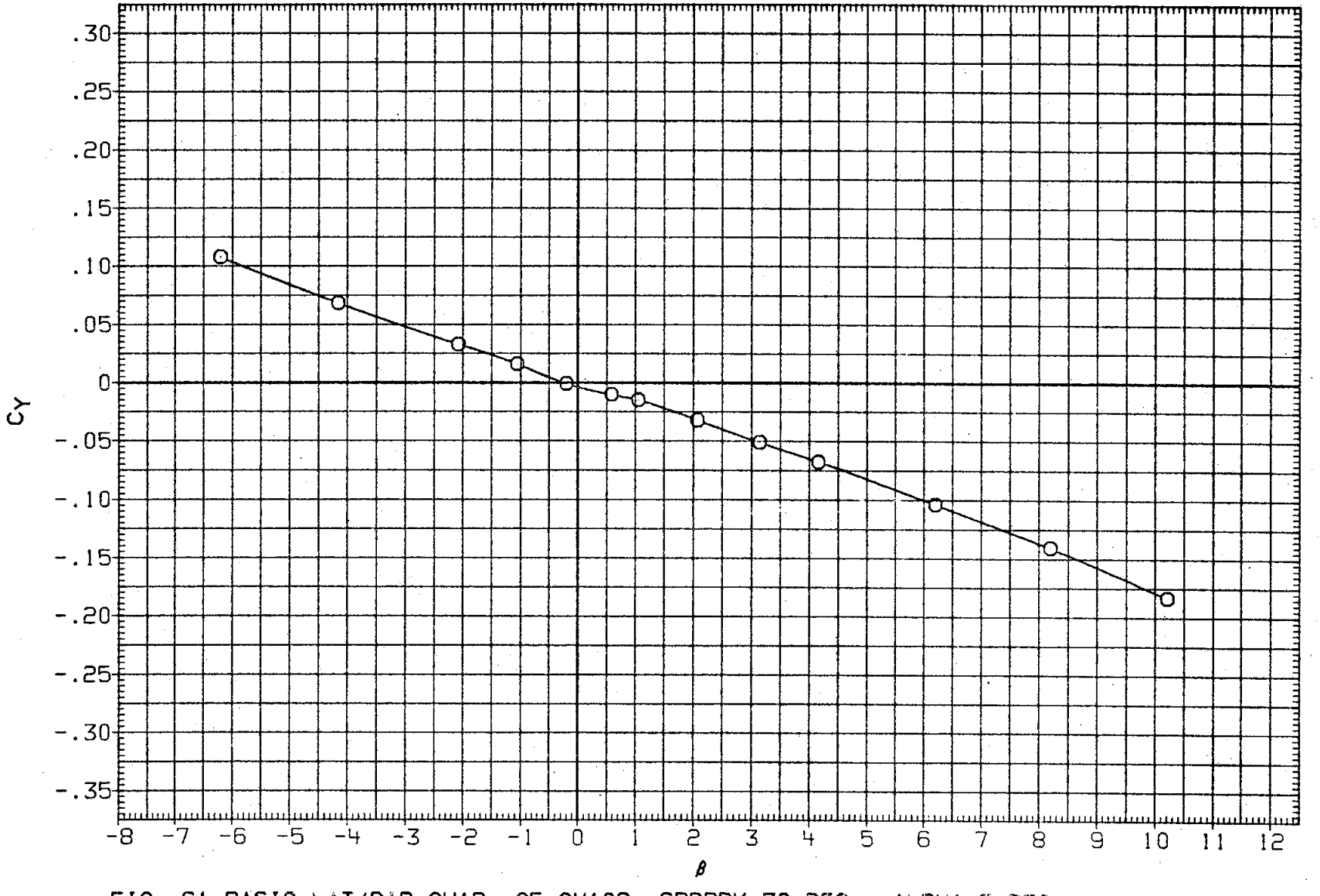


FIG. 61 BASIC LAT/DIR CHAR. OF 0V102, SPDBRK=70 DEG., ALPHA=5 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q080	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	70.000	5.000	.000

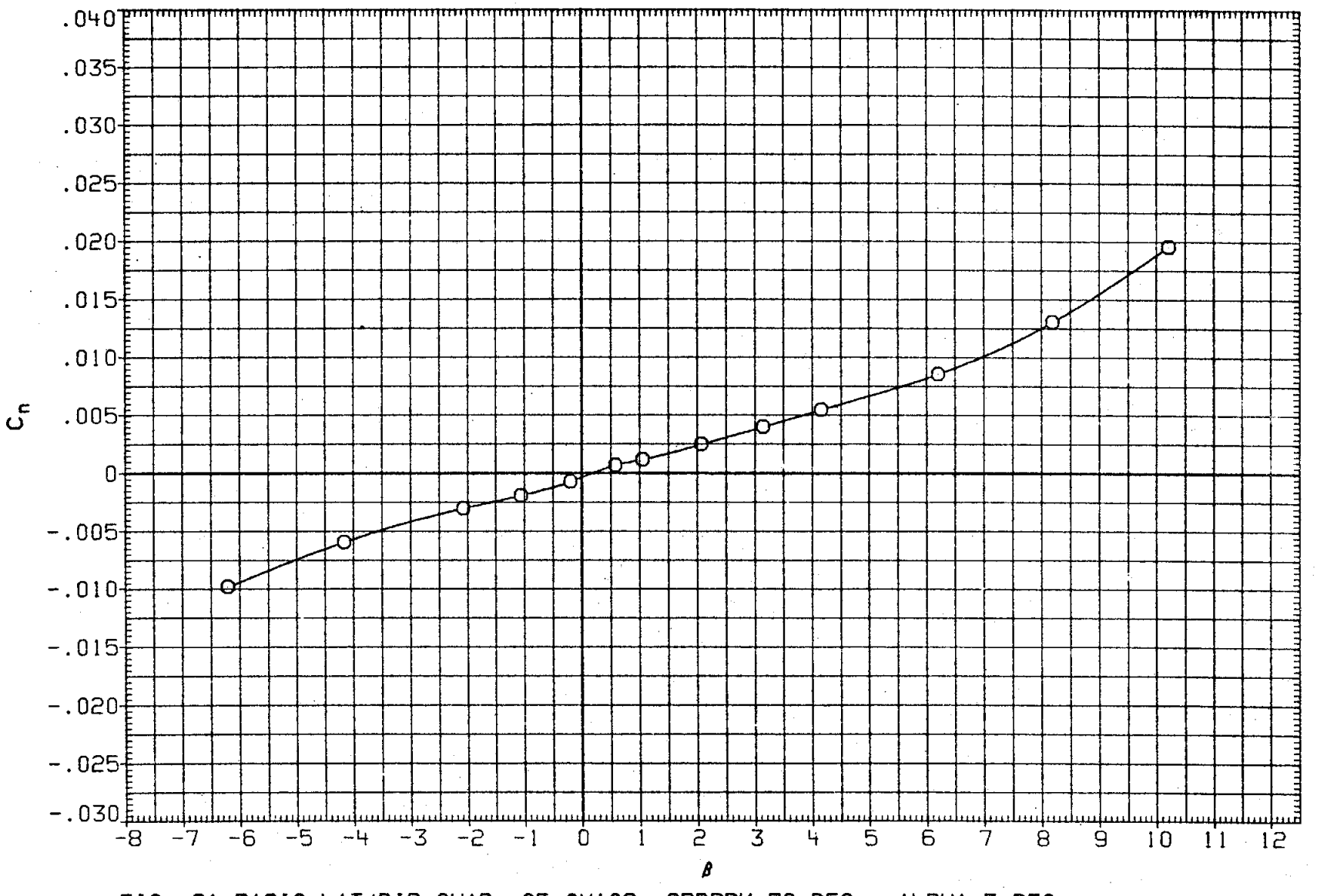


FIG. 61 BASIC LAT/DIR CHAR. OF 0V102, SPDBRK=70 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q080	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	70.000	5.000	.000

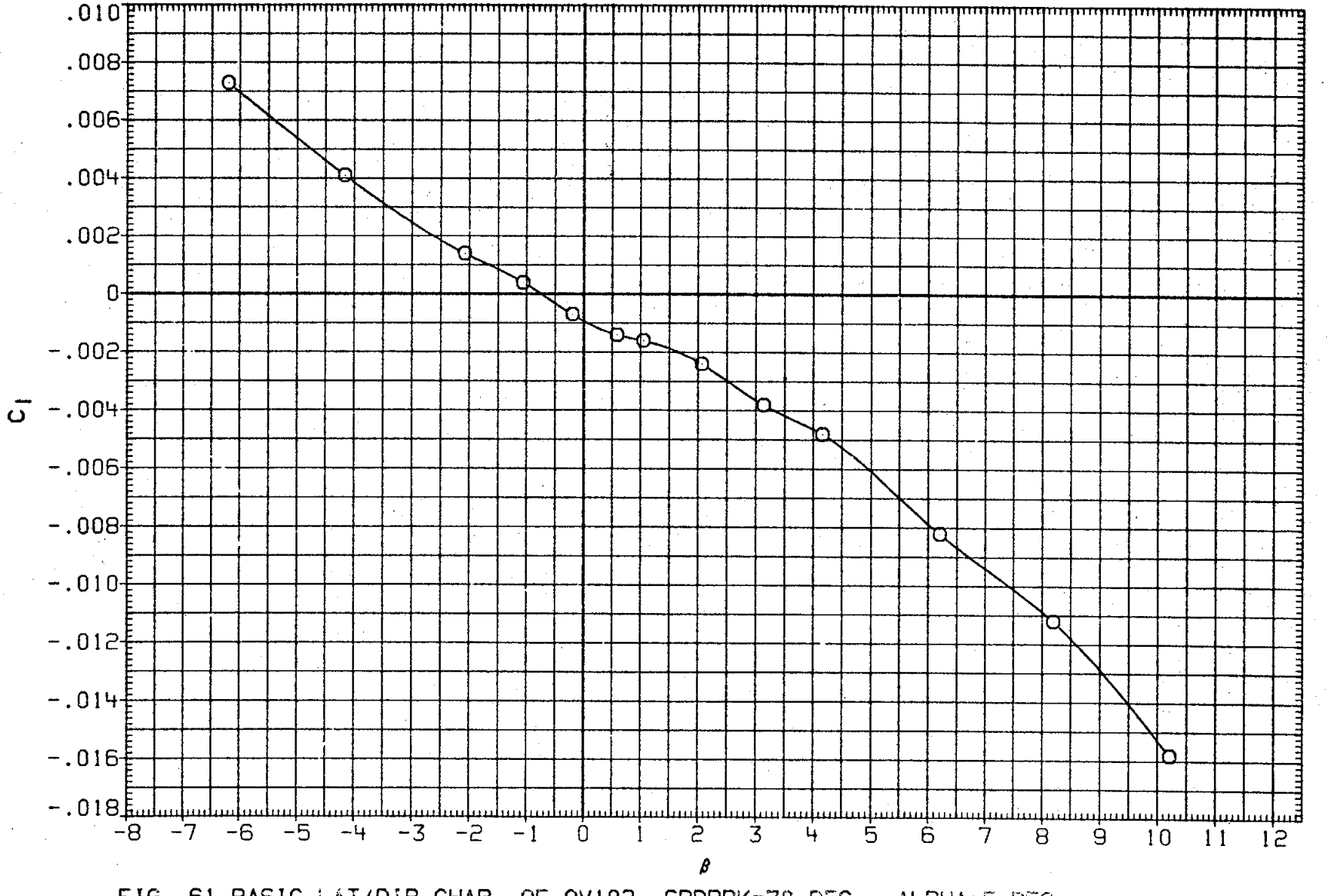


FIG. 61 BASIC LAT/DIR CHAR. OF 0V102, SPDBRK=70 DEG., ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q0B1	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	70.000	5.000

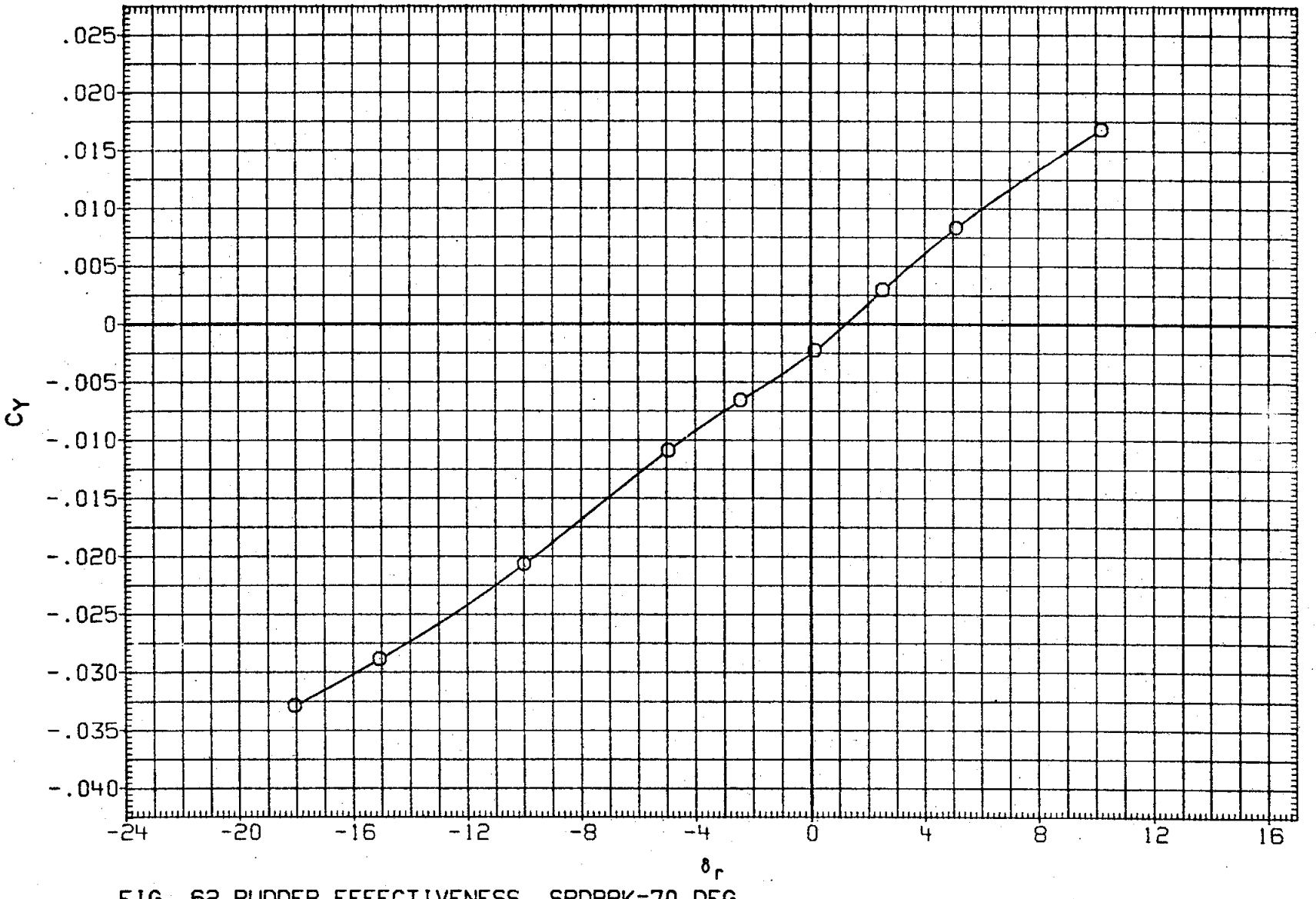


FIG. 62 RUDDER EFFECTIVENESS, SPDBRK=70 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q081	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	70.000	5.000

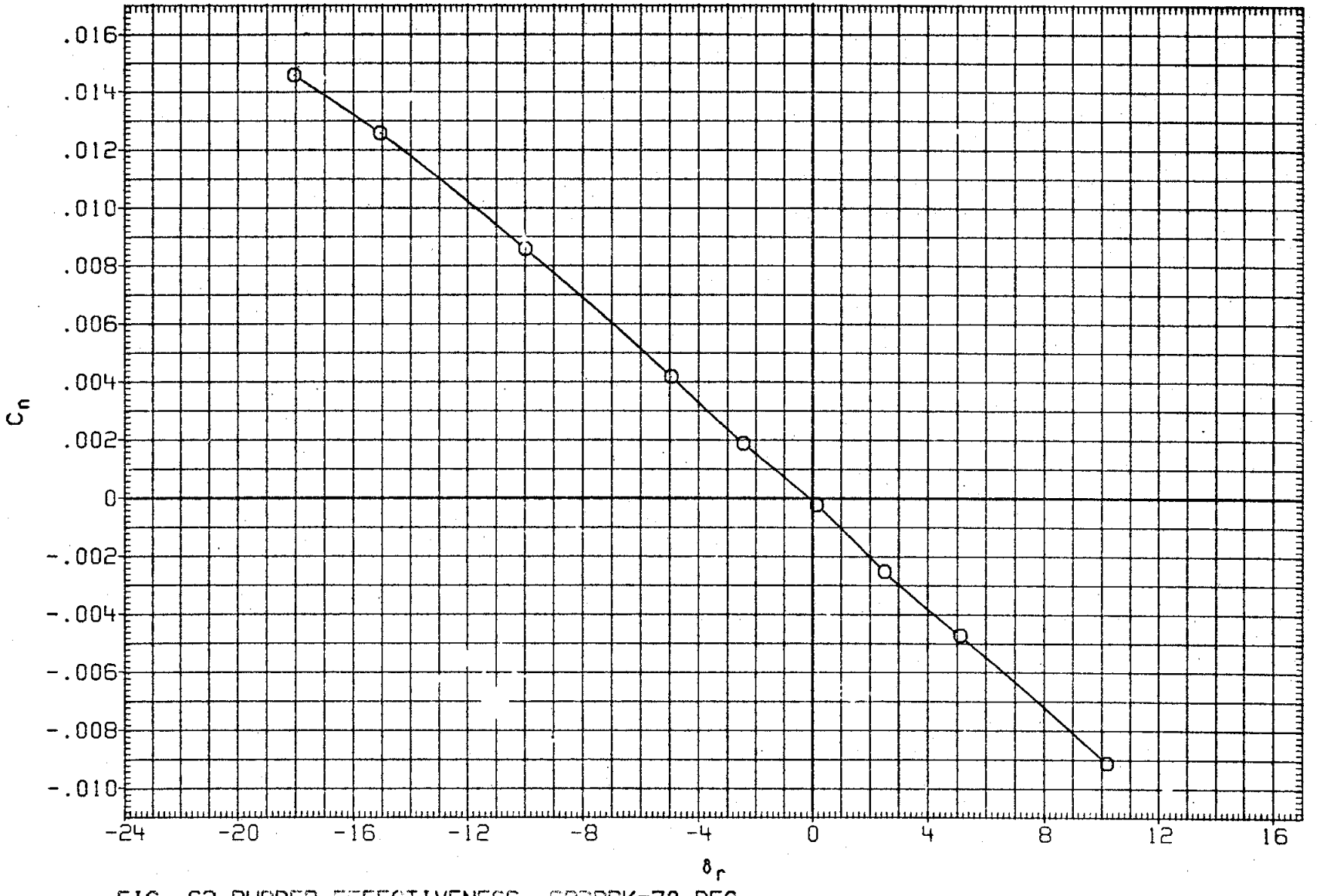


FIG. 62 RUDDER EFFECTIVENESS, SPDBRK=70 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q0B1	O	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	70.000	5.000

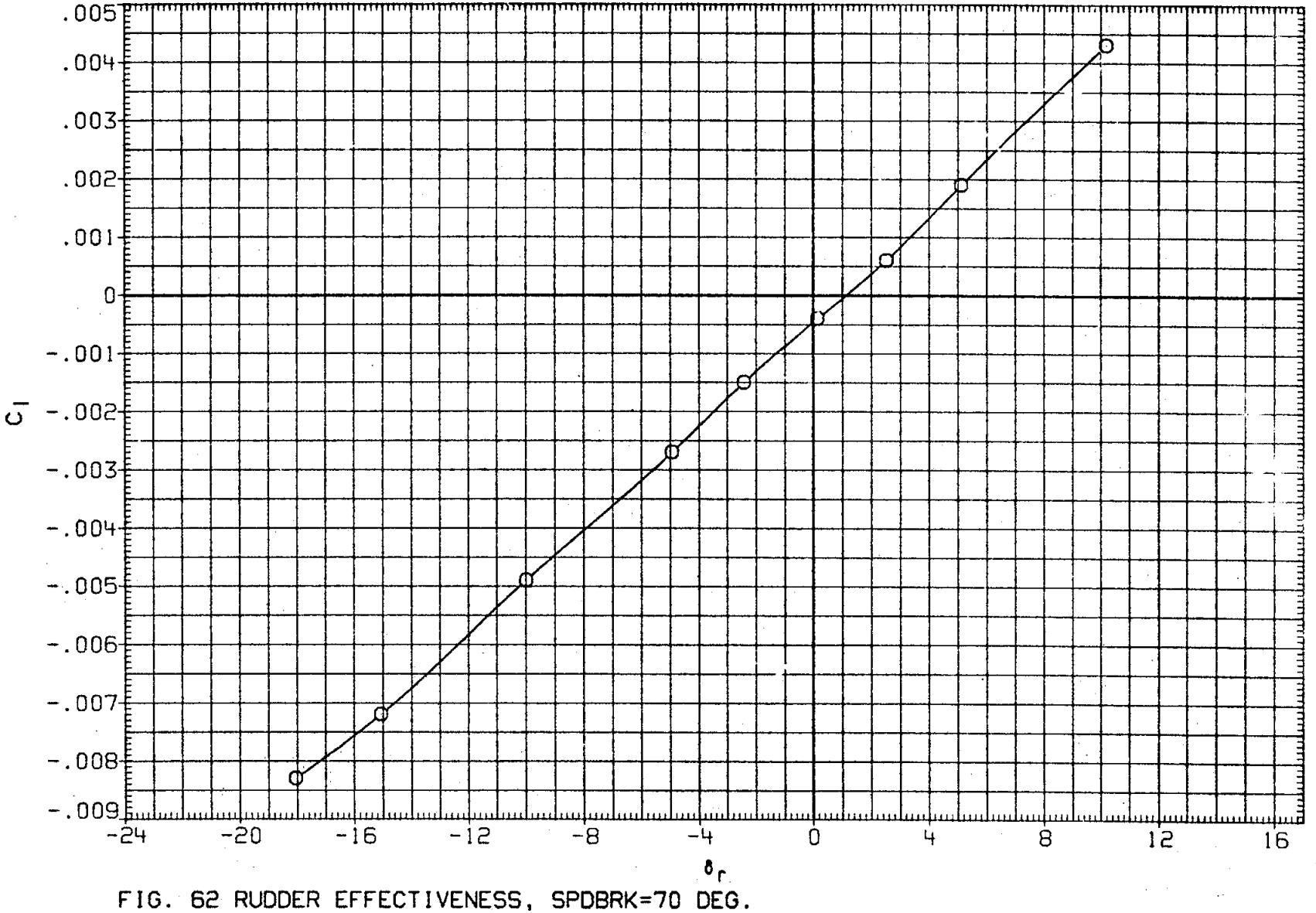


FIG. 62 RUDDER EFFECTIVENESS, SPDBRK=70 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0B0	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	70.000	5.000	.000
R2Q0B2	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	70.000	5.000	-5.000

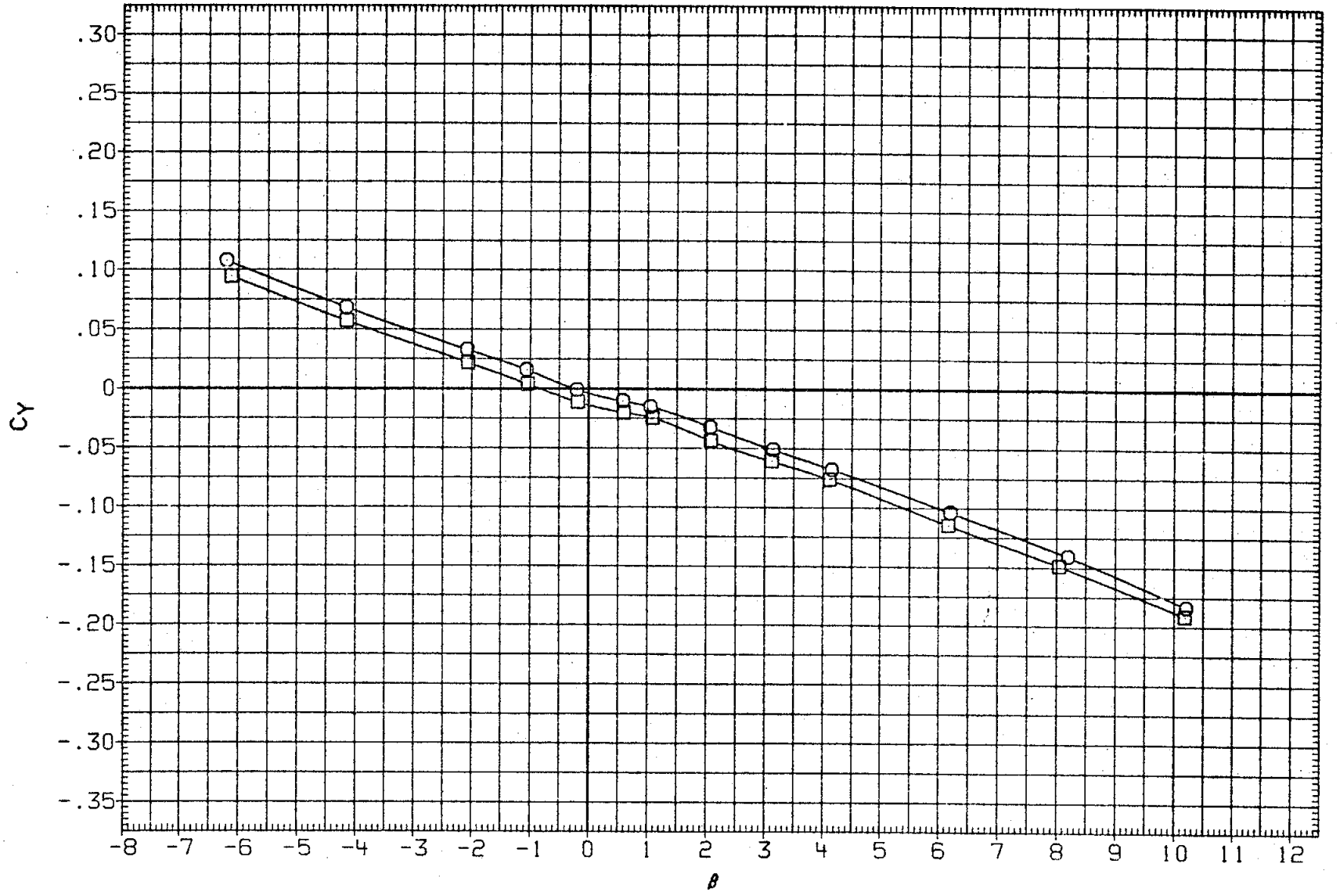


FIG. 63 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=70 DEG, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0B0	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	70.000	5.000	.000
R2Q0B2	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	70.000	5.000	-5.000

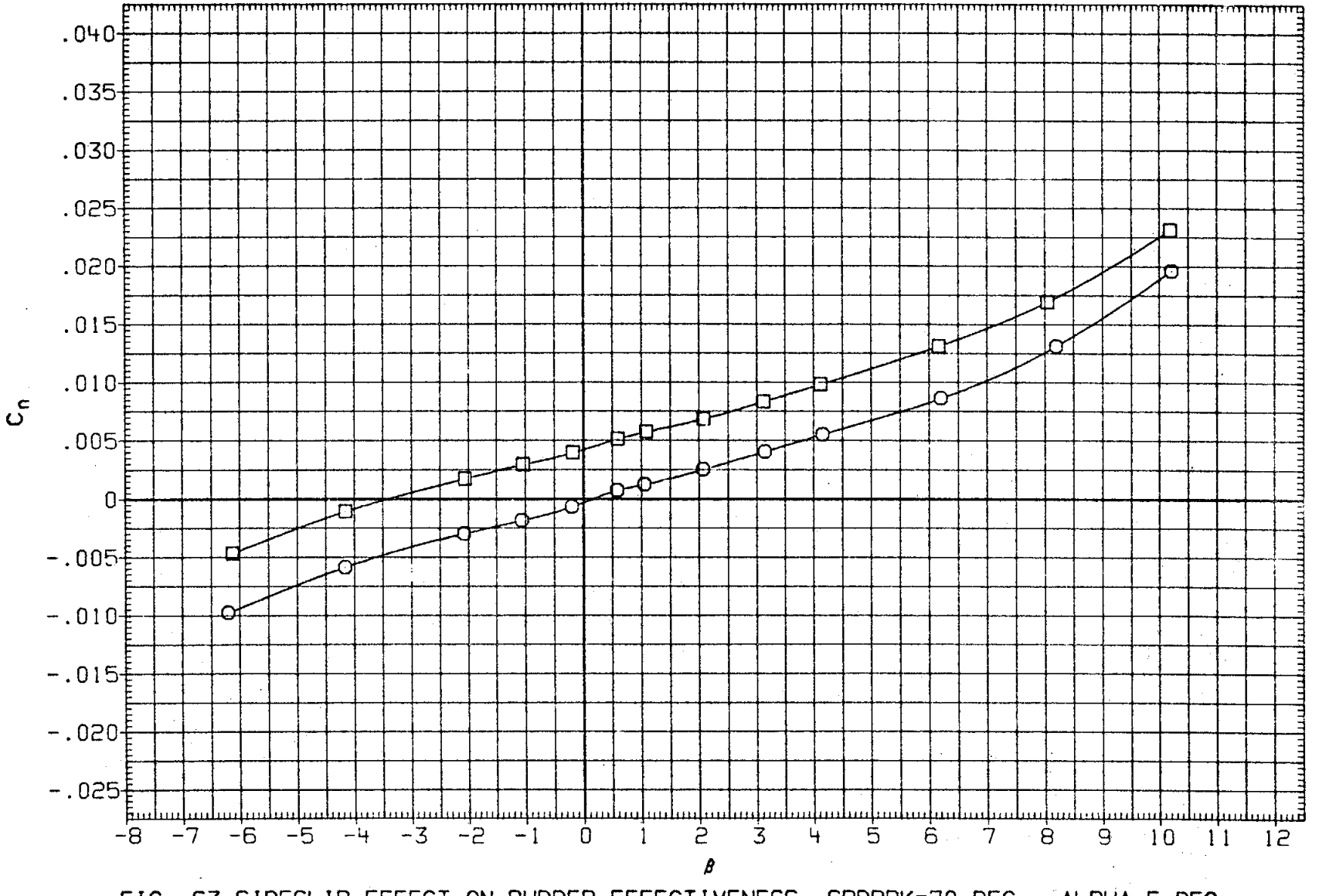


FIG. 63 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=70 DEG, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0B0	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	70.000	5.000	.000
R2Q0B2	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	70.000	5.000	-5.000

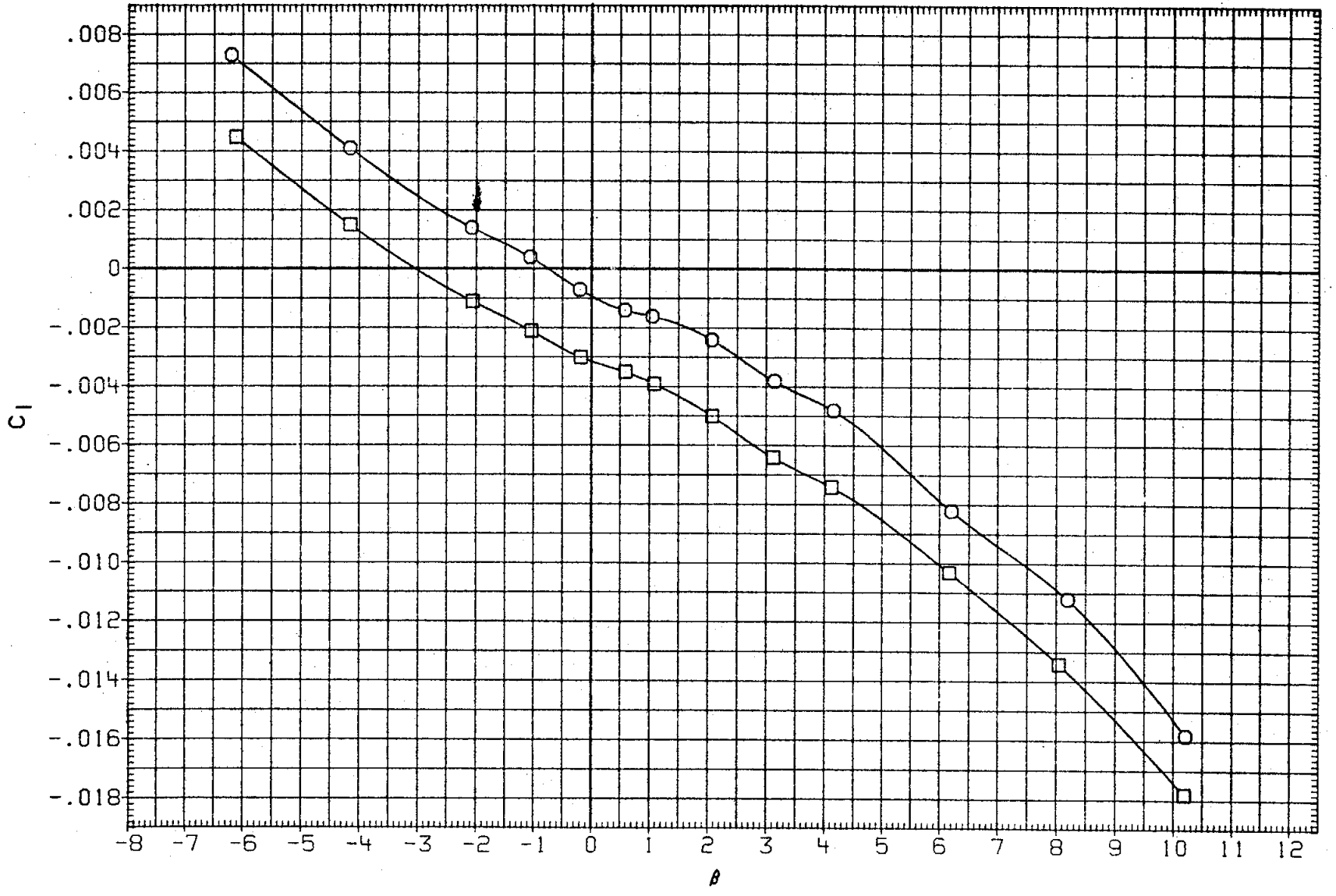


FIG. 63 SIDESLIP EFFECT ON RUDDER EFFECTIVENESS, SPDBRK=70 DEG, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0B5	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	87.200	5.000	.000
R2Q0B6	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	87.200	8.000	.000
3WL017	◇	JUNE 76 ADB	.000	.000	.000	.000	87.200		.000

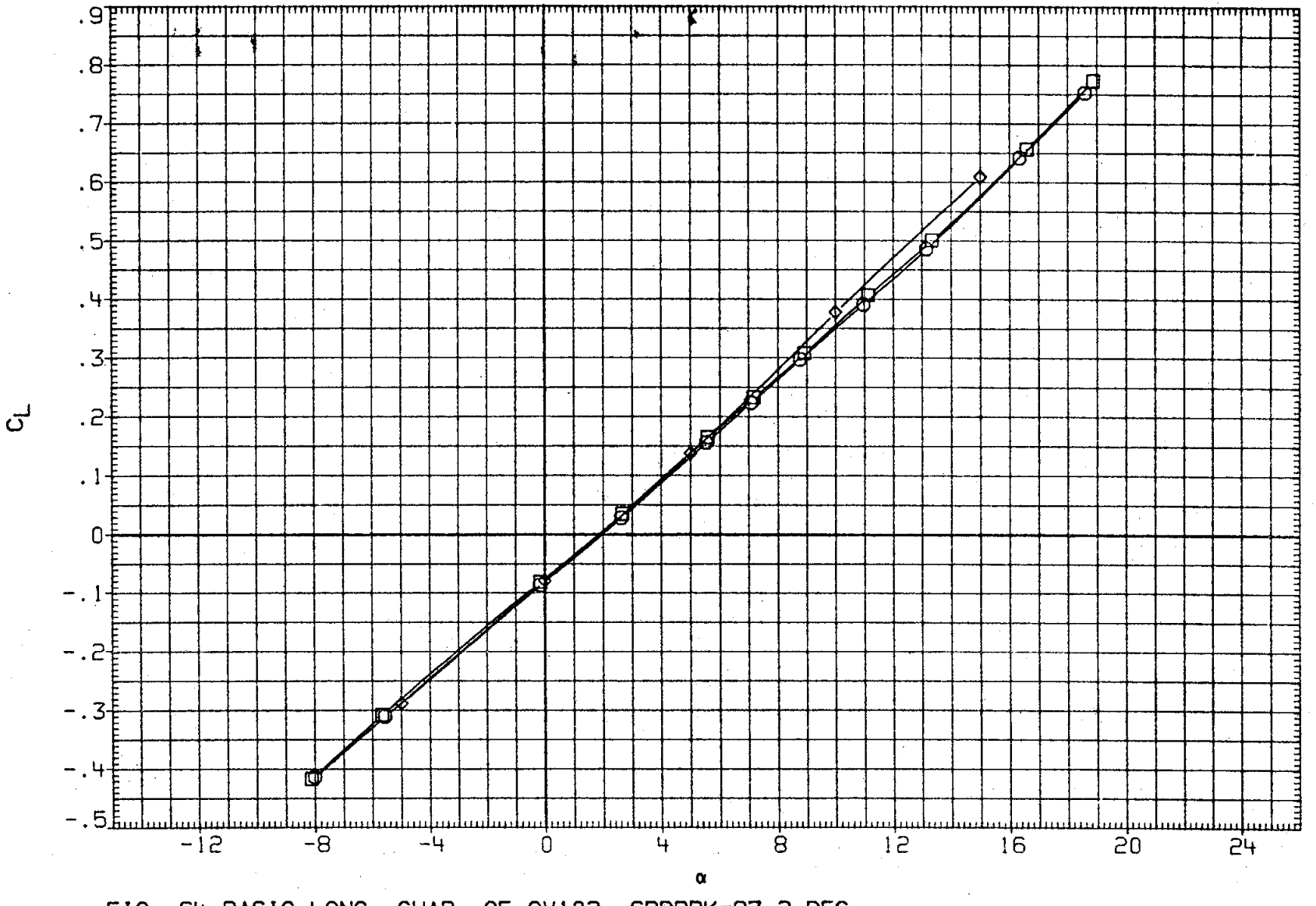


FIG. 64 BASIC LONG. CHAR. OF 0V102, SPDBRK=87.2 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q085	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	87.200	5.000	.000
R2Q086	□	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	87.200	8.000	.000
3WL017	◇	JUNE 76 ADB	.000	.000	.000	.000	87.200		.000

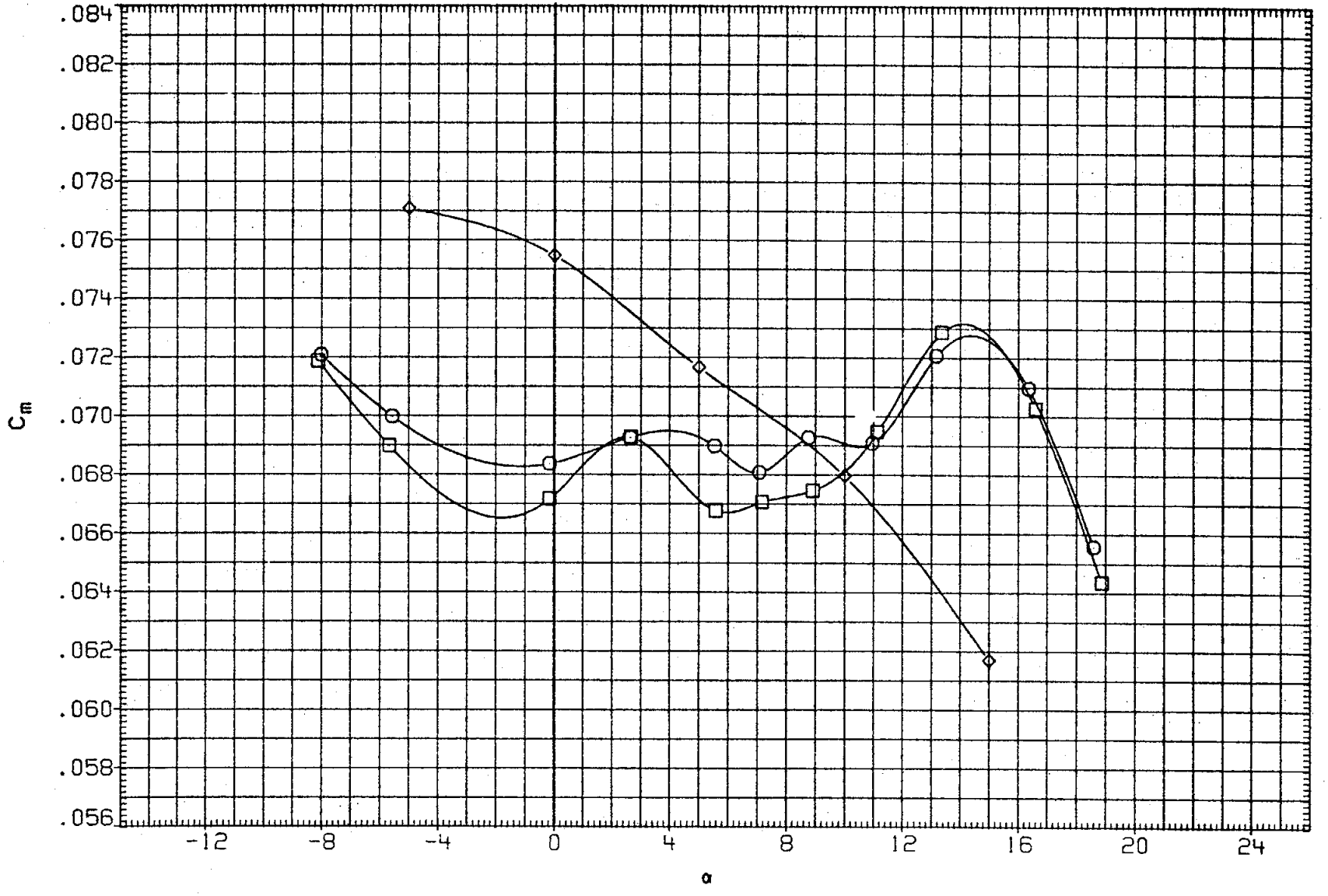


FIG. 64 BASIC LONG. CHAR. OF OV102, SPDBRK=87.2 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0B5	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	87.200	5.000	.000
R2Q0B6	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	87.200	8.000	.000
3WL017	◇	JUNE 76 ADB	.000	.000	.000	.000	87.200		.000

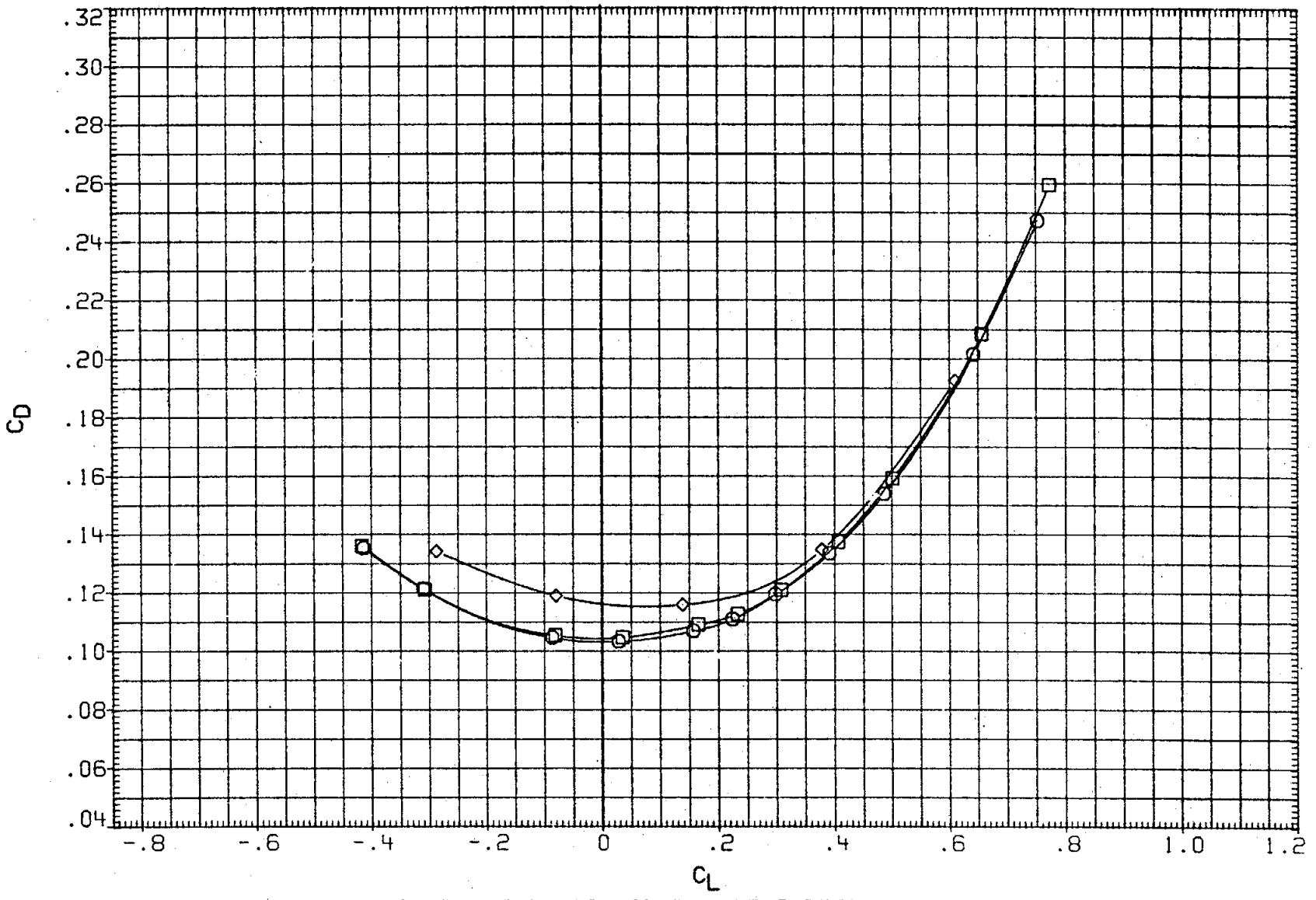


FIG. 64 BASIC LONG. CHAR. OF 0V102, SPDBRK=87.2 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0B5	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	87.200	5.000	.000
R2Q0B6	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	87.200	8.000	.000
3WL017	◇	JUNE 76 ADB	.000	.000	.000	.000	87.200		.000

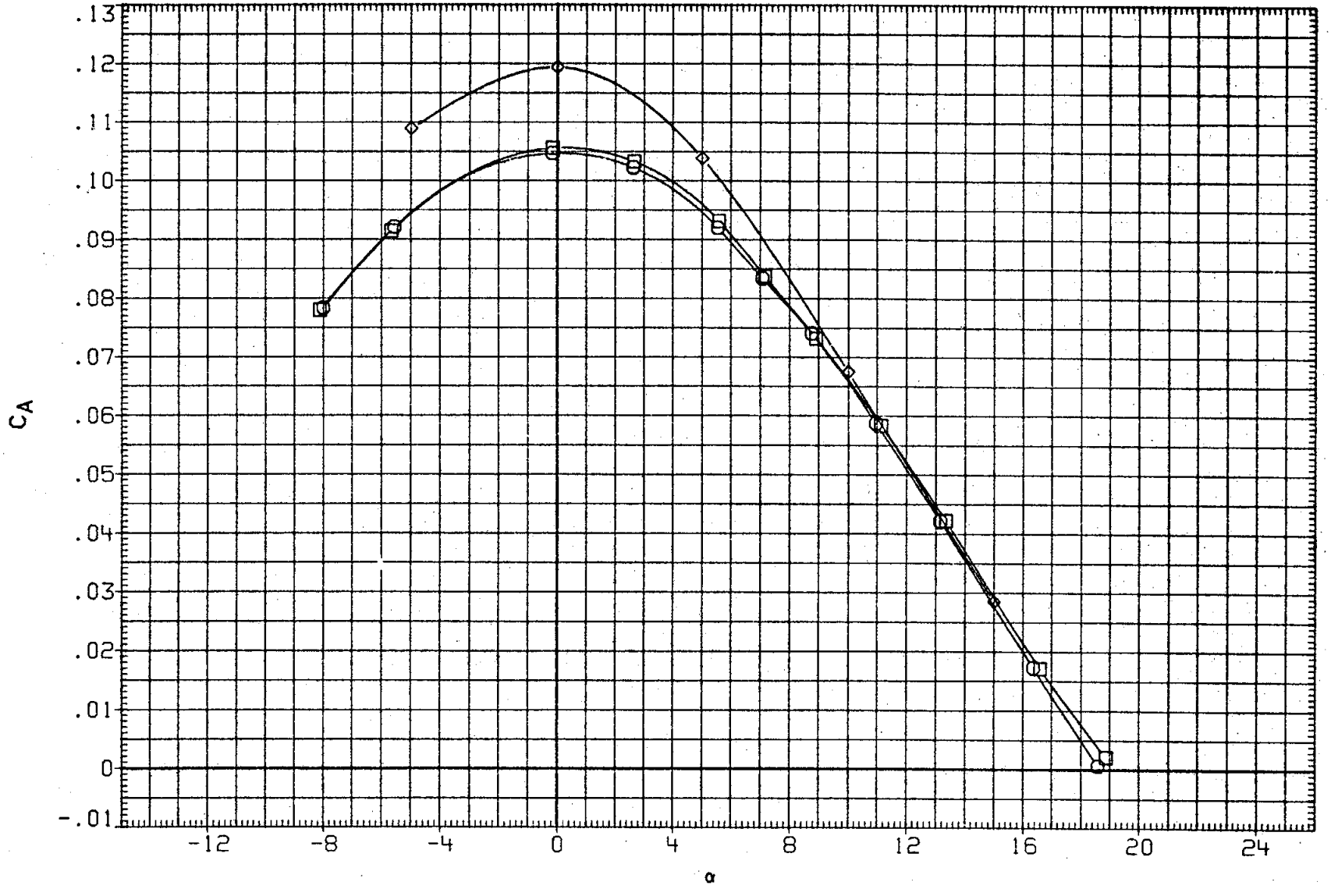


FIG. 64 BASIC LONG. CHAR. OF 0V102, SPDBRK=87.2 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q088	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	87.200	8.000	.000
R2Q089	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	87.200	8.000	.000
R2Q0C0	◇	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	87.200	8.000	.000
R2Q0C1	△	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	87.200	8.000	.000
3WL018	◺	JUNE 76 ADB	5.000	.000	.000	.000	87.200		.000

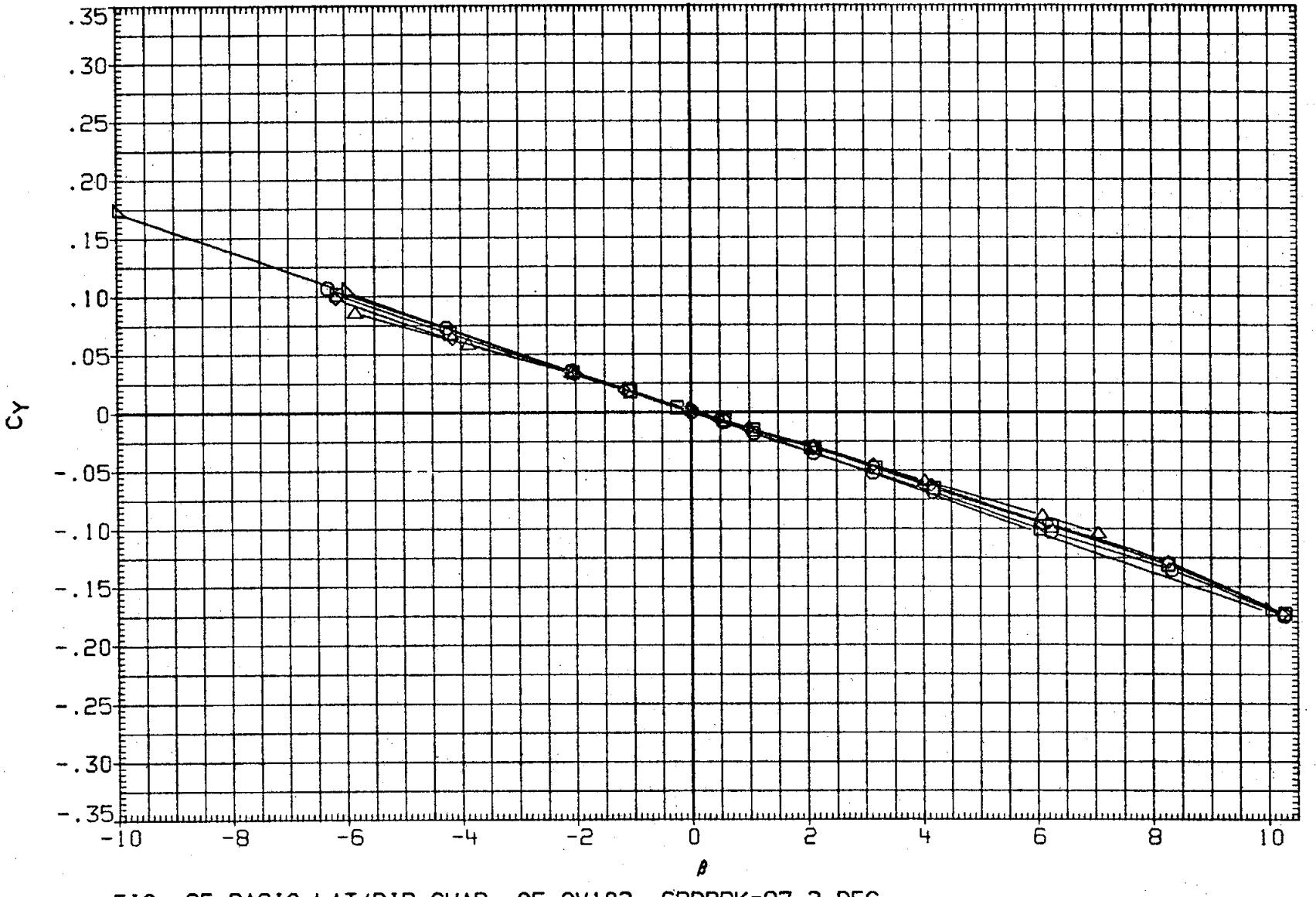


FIG. 65 BASIC LAT/DIR CHAR. OF 0V102, SPDBRK=87.2 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0B8	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	87.200	8.000	.000
R2Q0B9	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	87.200	8.000	.000
R2Q0C0	◇	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	87.200	8.000	.000
R2Q0C1	△	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	87.200	8.000	.000
3WL018	◁	JUNE 76 ADB	5.000	.000	.000	.000	87.200		.000

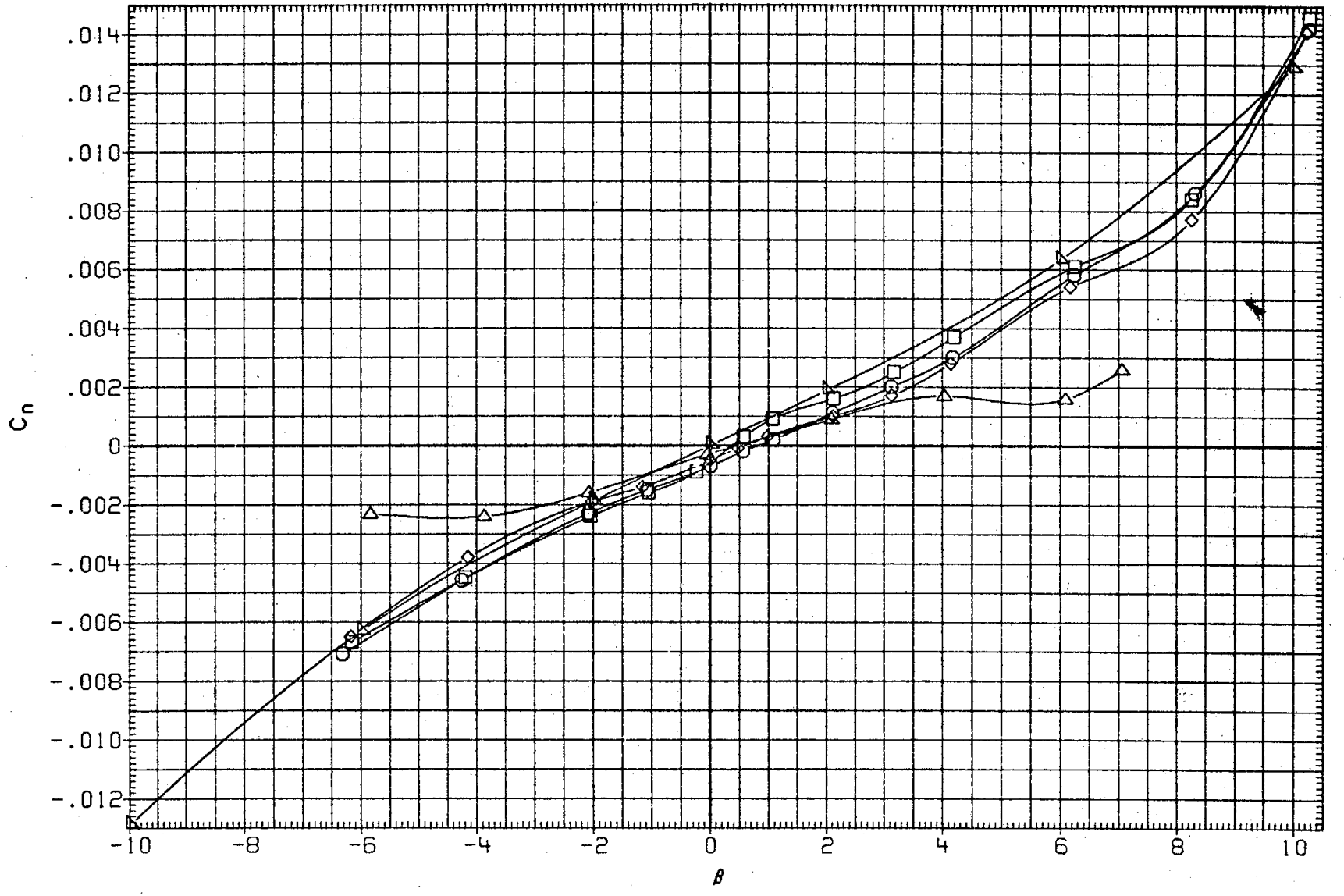


FIG. 65 BASIC LAT/DIR CHAR. OF 0V102, SPDBRK=87.2 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0B8	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	87.200	8.000	.000
R2Q0B9	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	87.200	8.000	.000
R2Q0C0	◇	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	87.200	8.000	..000
R2Q0C1	△	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	87.200	8.000	.000
3WL018	◁	JUNE 76 ADB	5.000	.000	.000	.000	87.200		.000

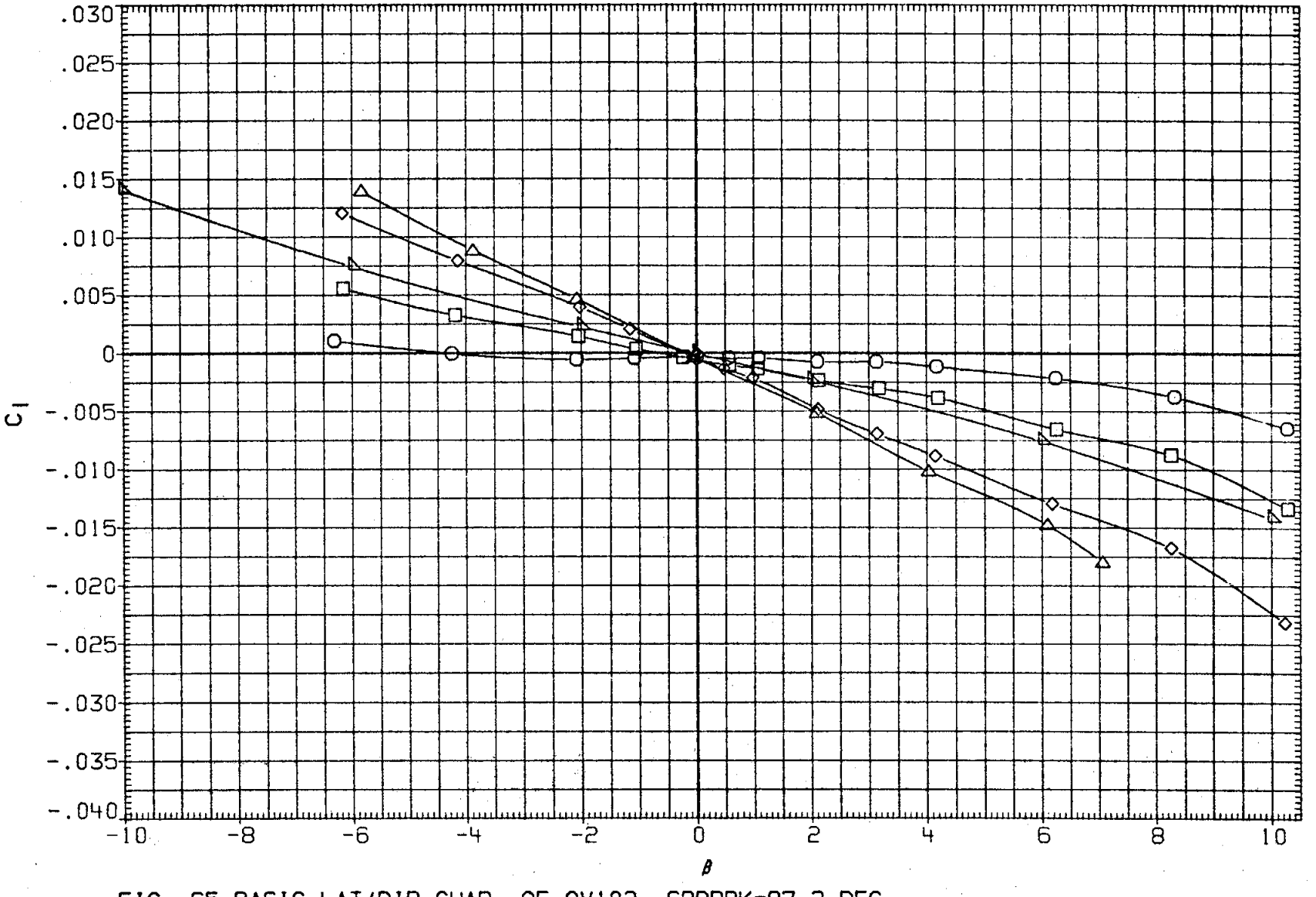


FIG. 65 BASIC LAT/DIR CHAR. OF 0V102, SPDBRK=87.2 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q0C2	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	.000	87.200	8.000
R2Q0C3	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	87.200	8.000
R2Q0C4	◇	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	.000	87.200	8.000
R2Q0C5	△	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	.000	87.200	8.000
3WL019	◁	JUNE 76 ADB	5.000	.000	.000	.000	.000	87.200	

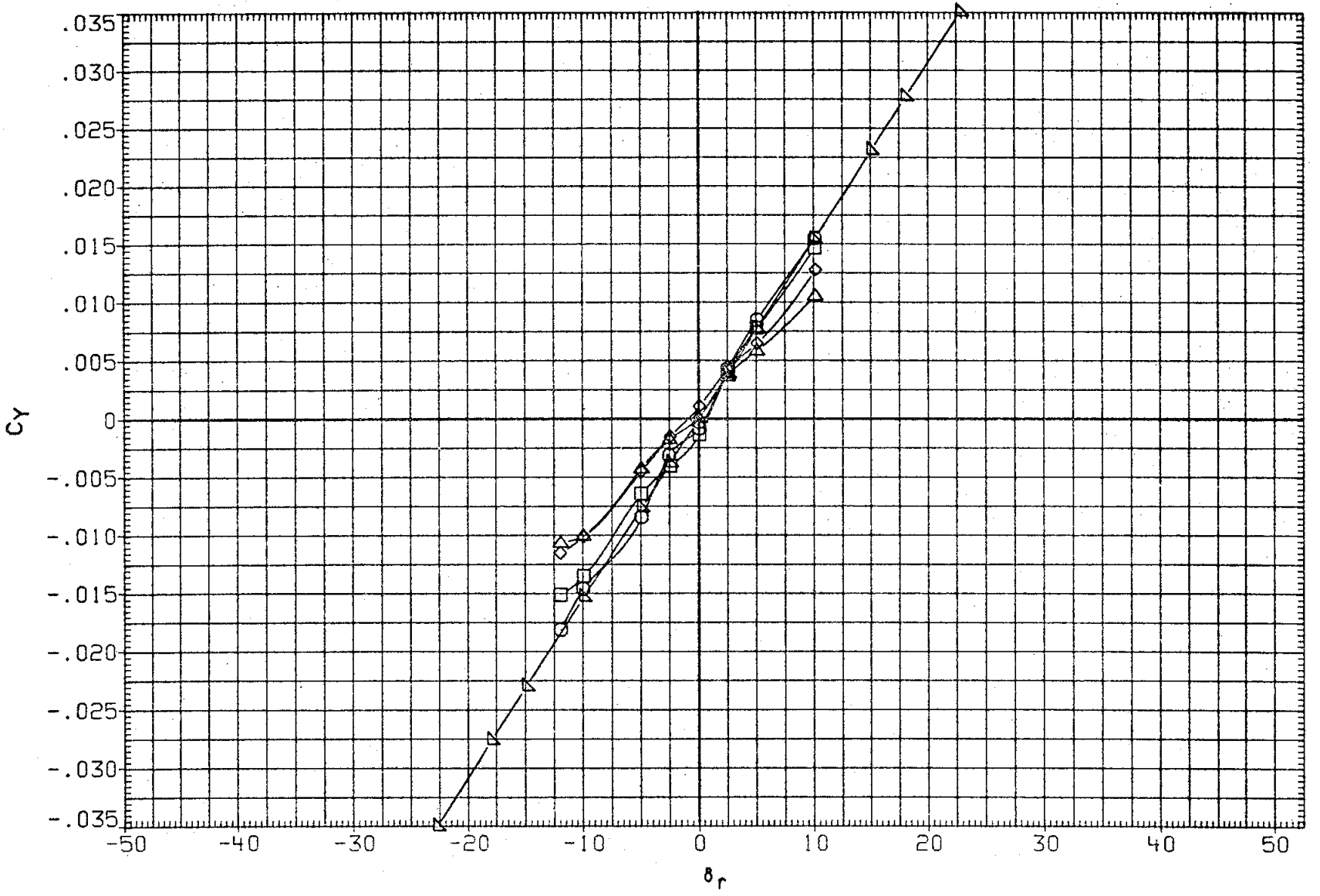


FIG. 66 RUDDER EFFECTIVENESS, SPDBRK=87.2 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q0C2	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	.000	87.200	8.000
R2Q0C3	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	87.200	8.000
R2Q0C4	◇	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	.000	87.200	8.000
R2Q0C5	△	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	.000	87.200	8.000
3WL019	◺	JUNE 76 ADB	5.000	.000	.000	.000	.000	87.200	

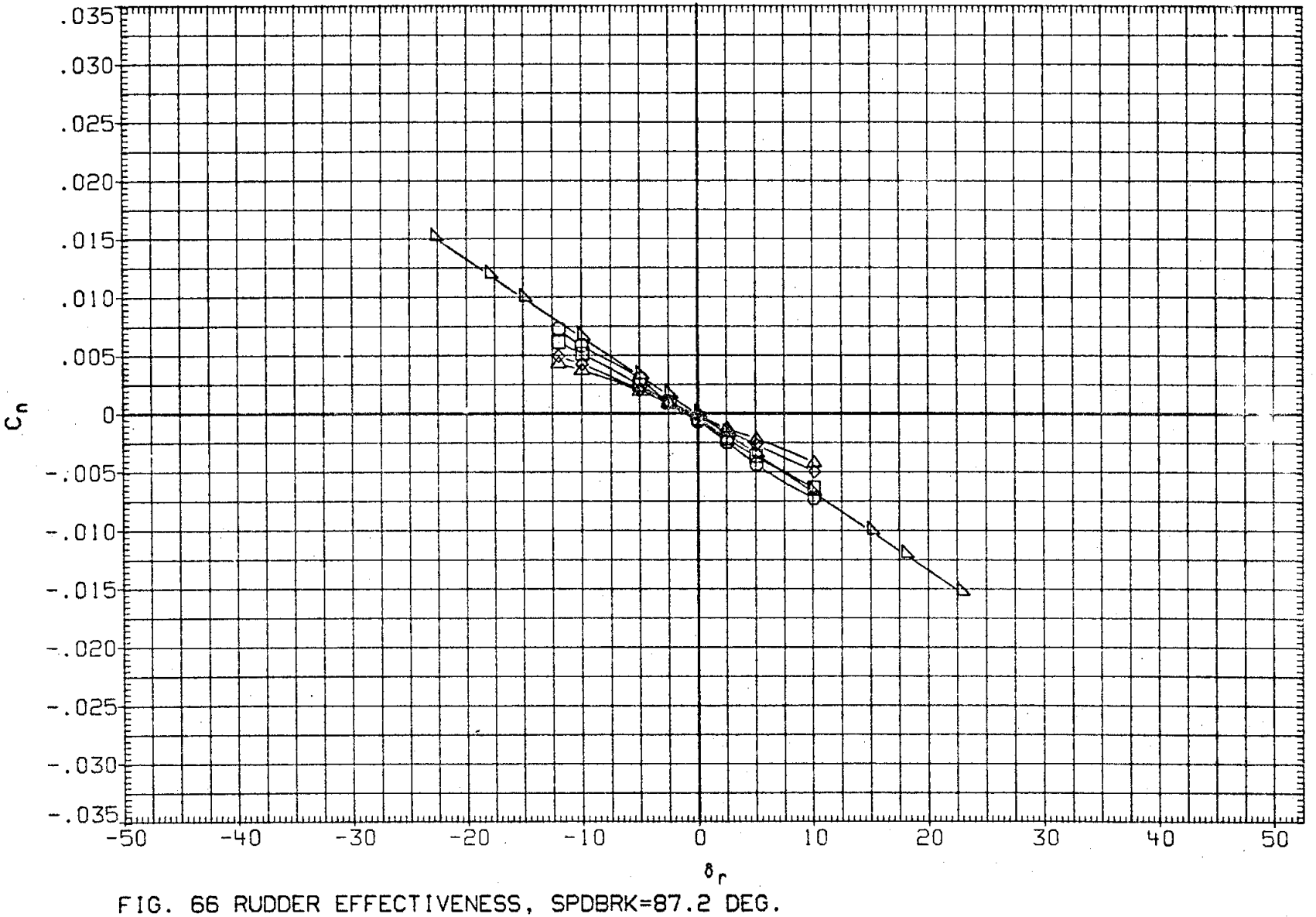


FIG. 66 RUDDER EFFECTIVENESS, SPDBRK=87.2 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q0C2	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	.000	87.200	8.000
R2Q0C3	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	87.200	8.000
R2Q0C4	◇	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	.000	87.200	8.000
R2Q0C5	△	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	.000	87.200	8.000
3WL019	◁	JUNE 76 ADB	5.000	.000	.000	.000	.000	87.200	

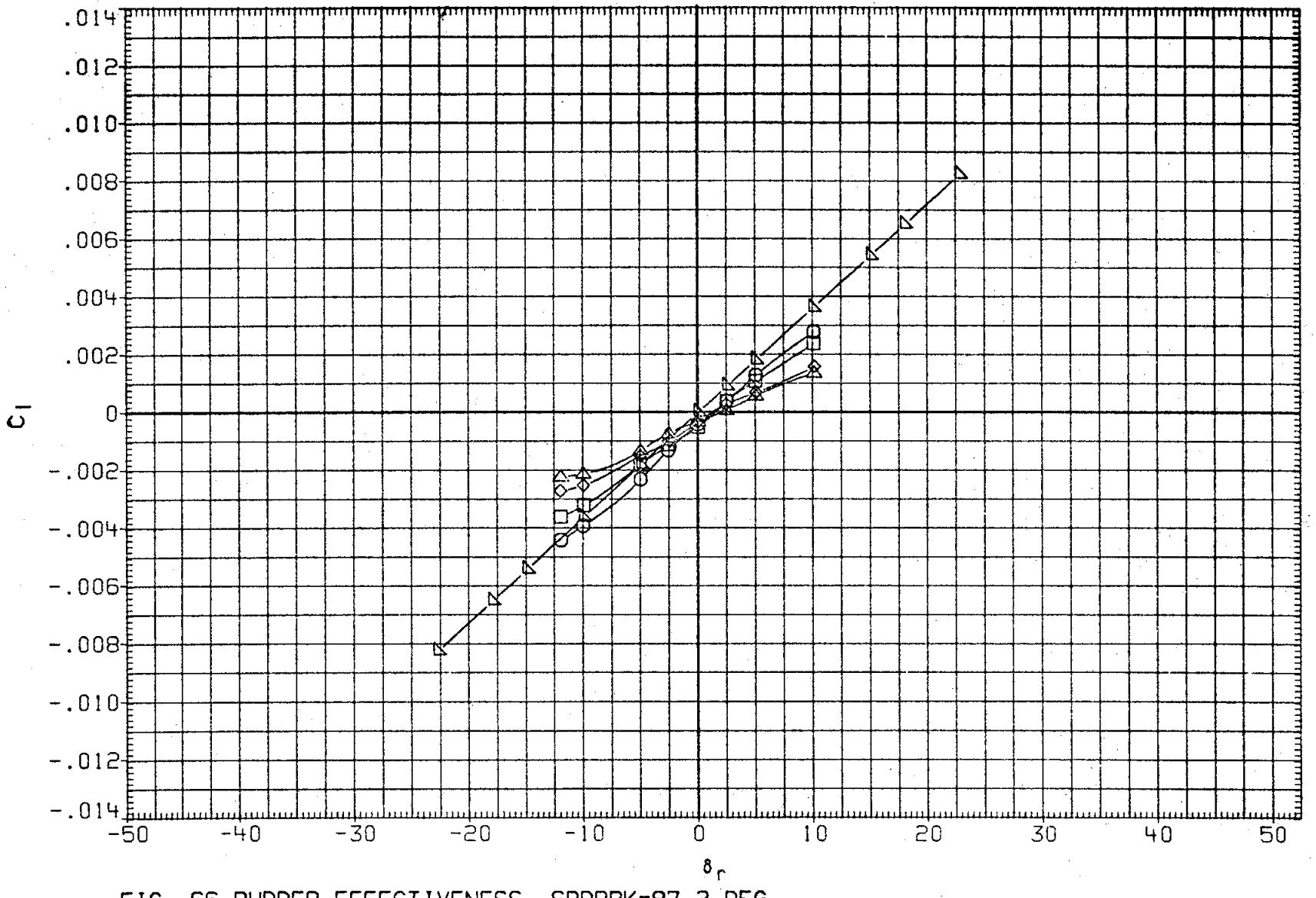


FIG. 66 RUDDER EFFECTIVENESS, SPDBRK=87.2 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0B9	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	87.200	8.000	.000
R2Q0C7	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	87.200	8.000	-5.000
R2Q0C8	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	87.200	8.000	-12.000

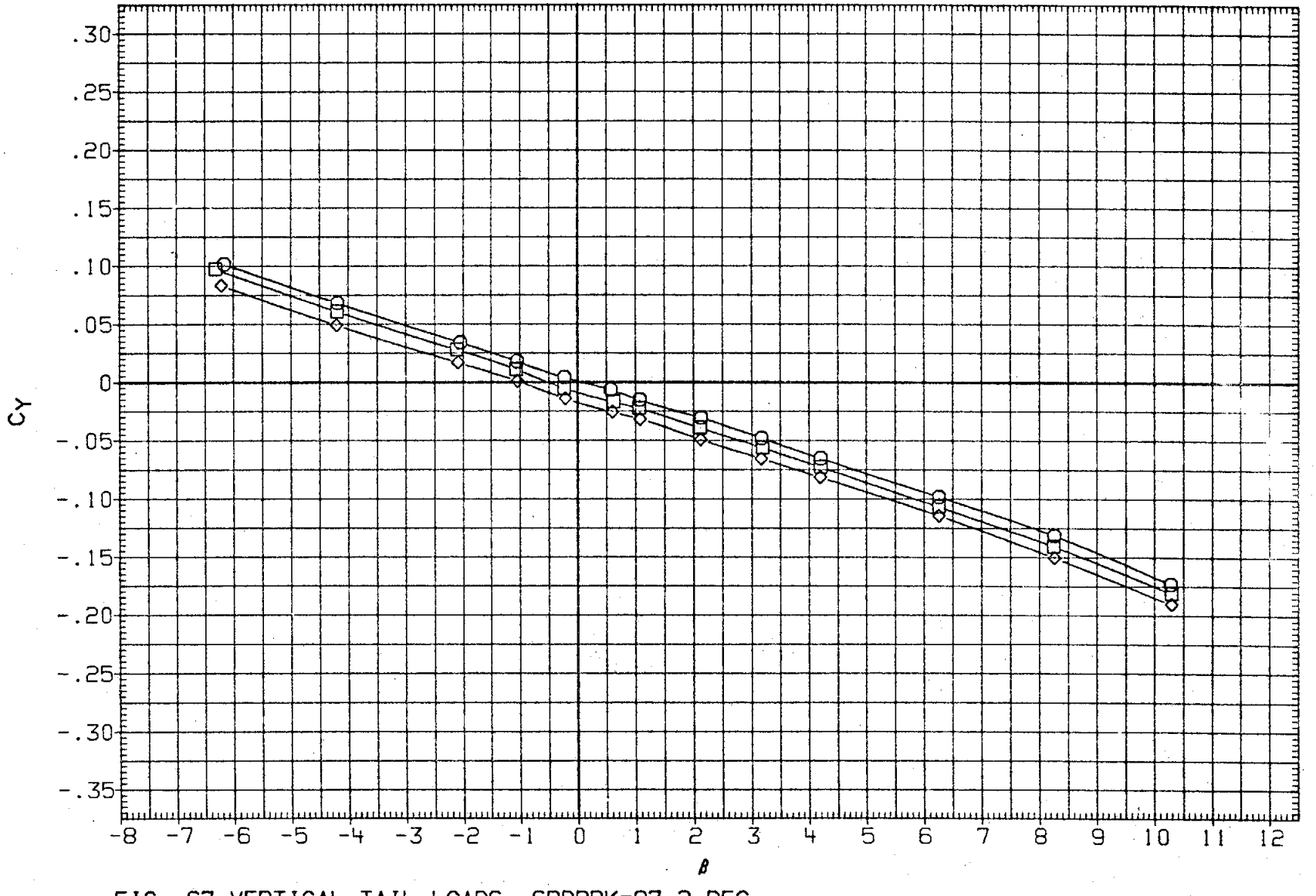


FIG. 67 VERTICAL TAIL LOADS, SPDBRK=87.2 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0B9	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	87.200	8.000	.000
R2Q0C7	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	87.200	8.000	-5.000
R2Q0C8	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	87.200	8.000	-12.000

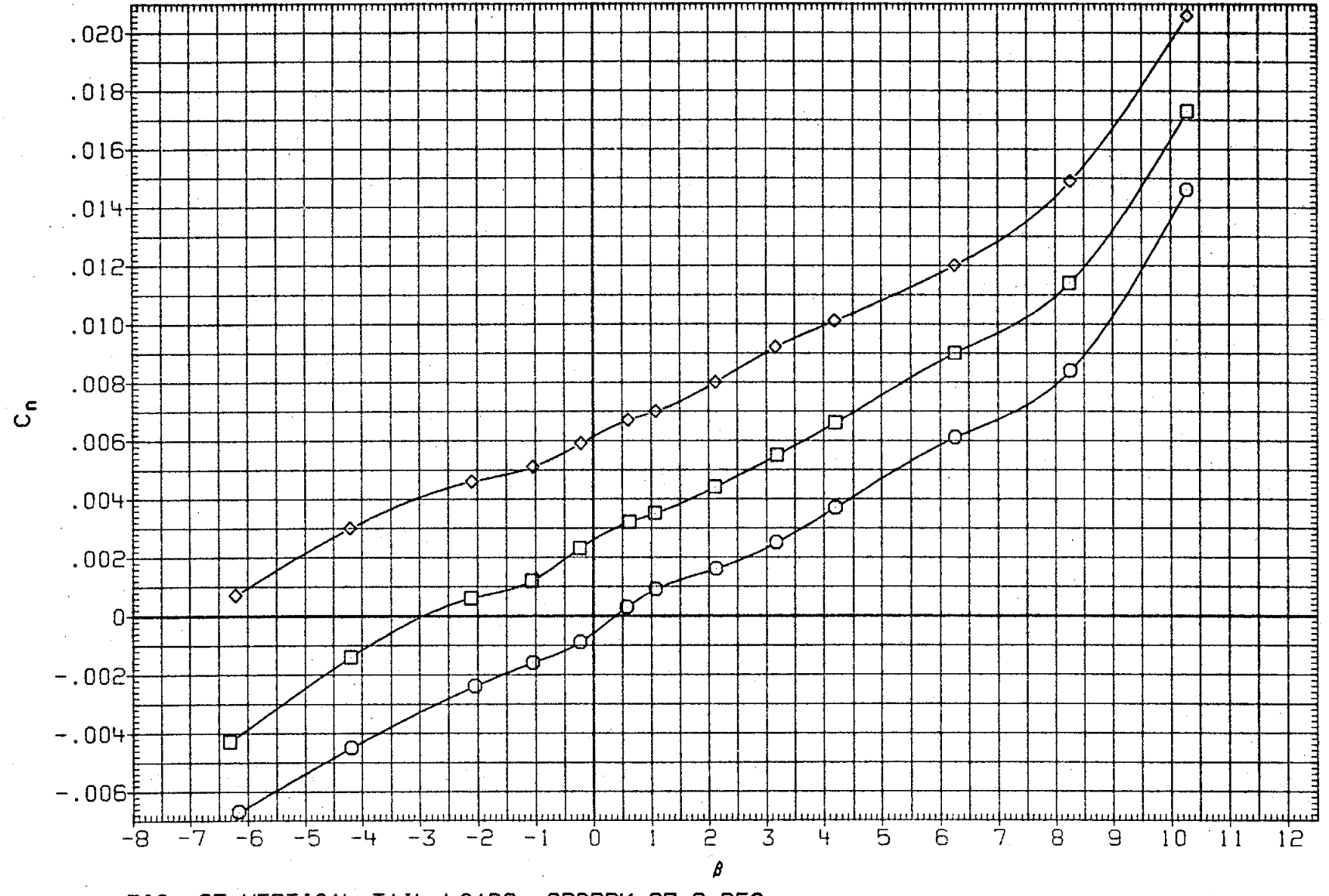


FIG. 67 VERTICAL TAIL LOADS, SPDBRK=87.2 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0B9	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	87.200	8.000	.000
R2Q0C7	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	87.200	8.000	-5.000
R2Q0C8	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	87.200	8.000	-12.000

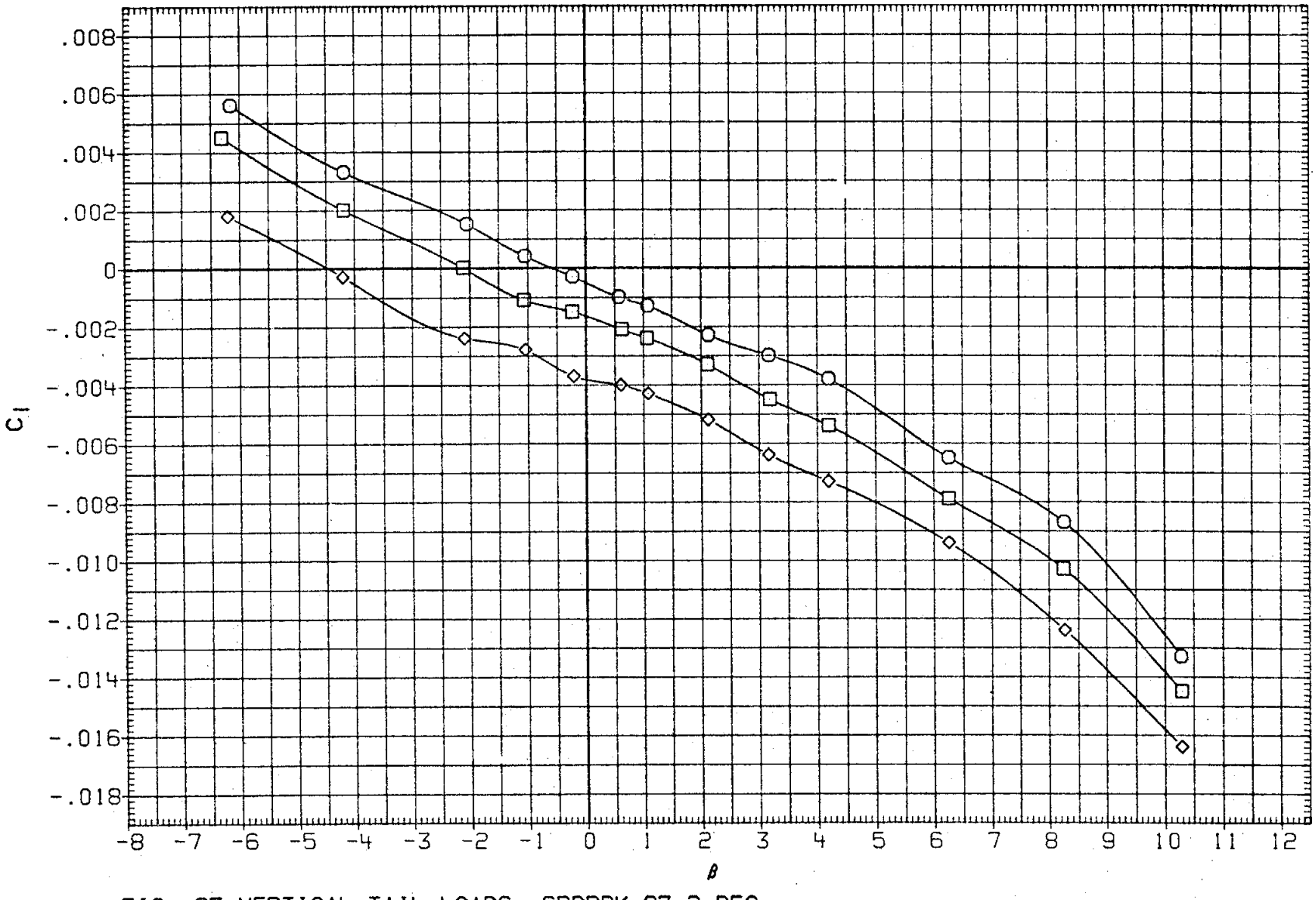


FIG. 67 VERTICAL TAIL LOADS, SPDBRK=87.2 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	RDFLAP	SPDBRK	RN/L	RUDDER
R2Q057	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	.000	8.000	.000
R2Q0F0	□	ARC 218-1-12 (0V102), NO SILTS POD	.000	.000	.000	.000	.000	8.000	.000

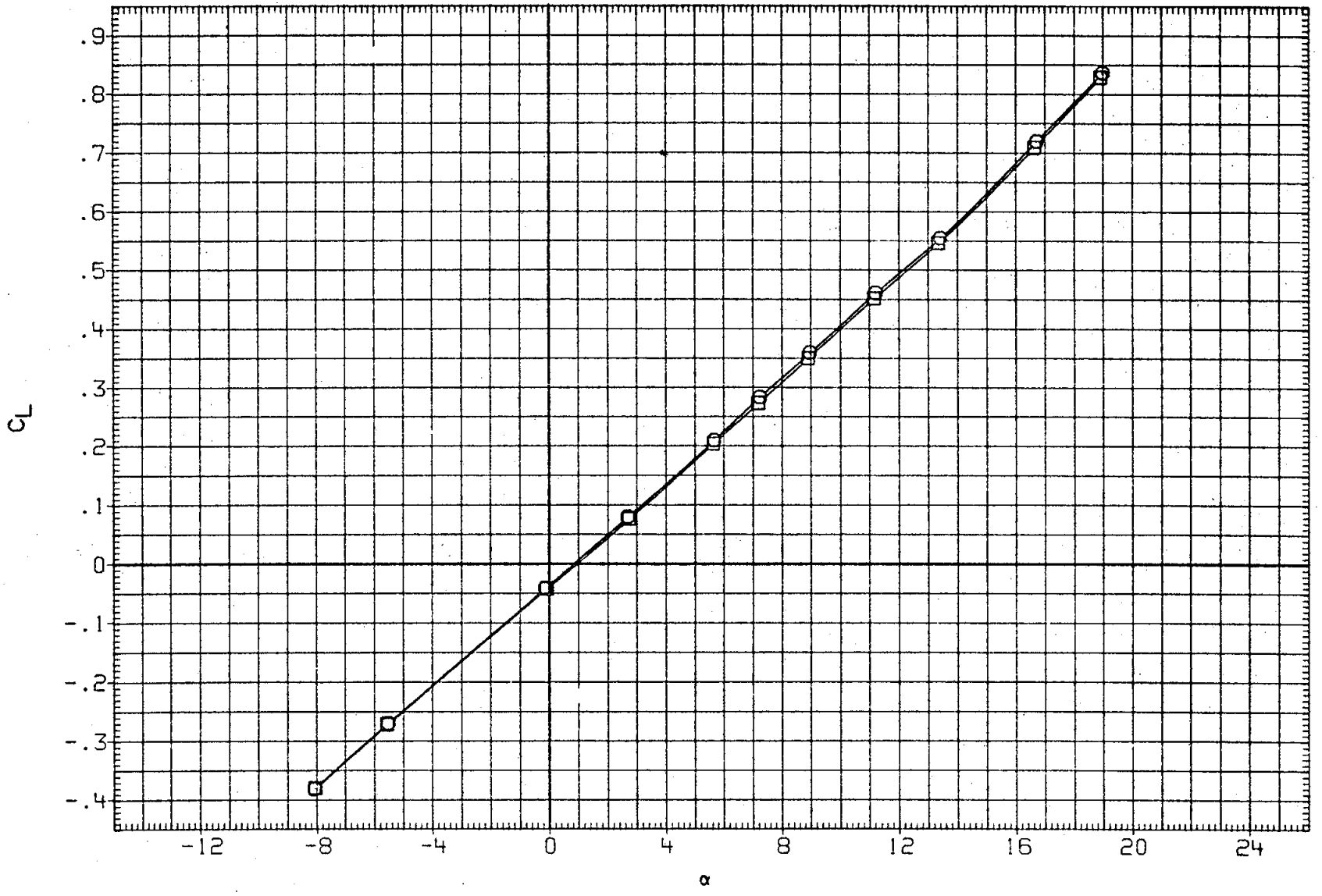


FIG. 68 SILTS ON VS. OFF,SPDBRK=0 DEG., LONG. CHAR.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q057	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	.000	8.000	.000
R2Q0F0	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	.000	8.000	.000

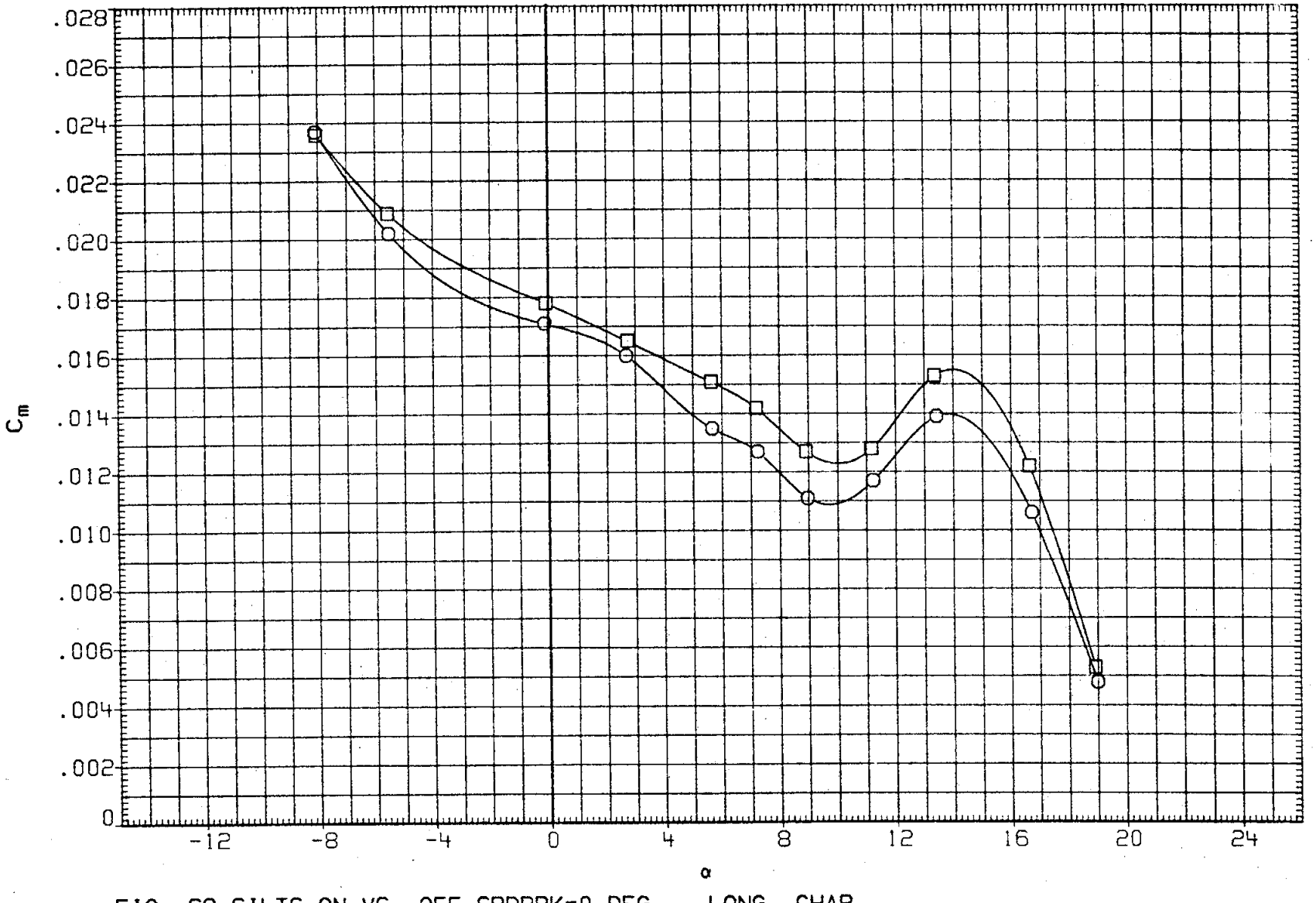


FIG. 68 SILTS ON VS. OFF, SPDBRK=0 DEG., LONG. CHAR.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RN/L	RUDDER
R2Q057	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	.000	8.000	.000
R2Q0F0	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	.000	8.000	.000

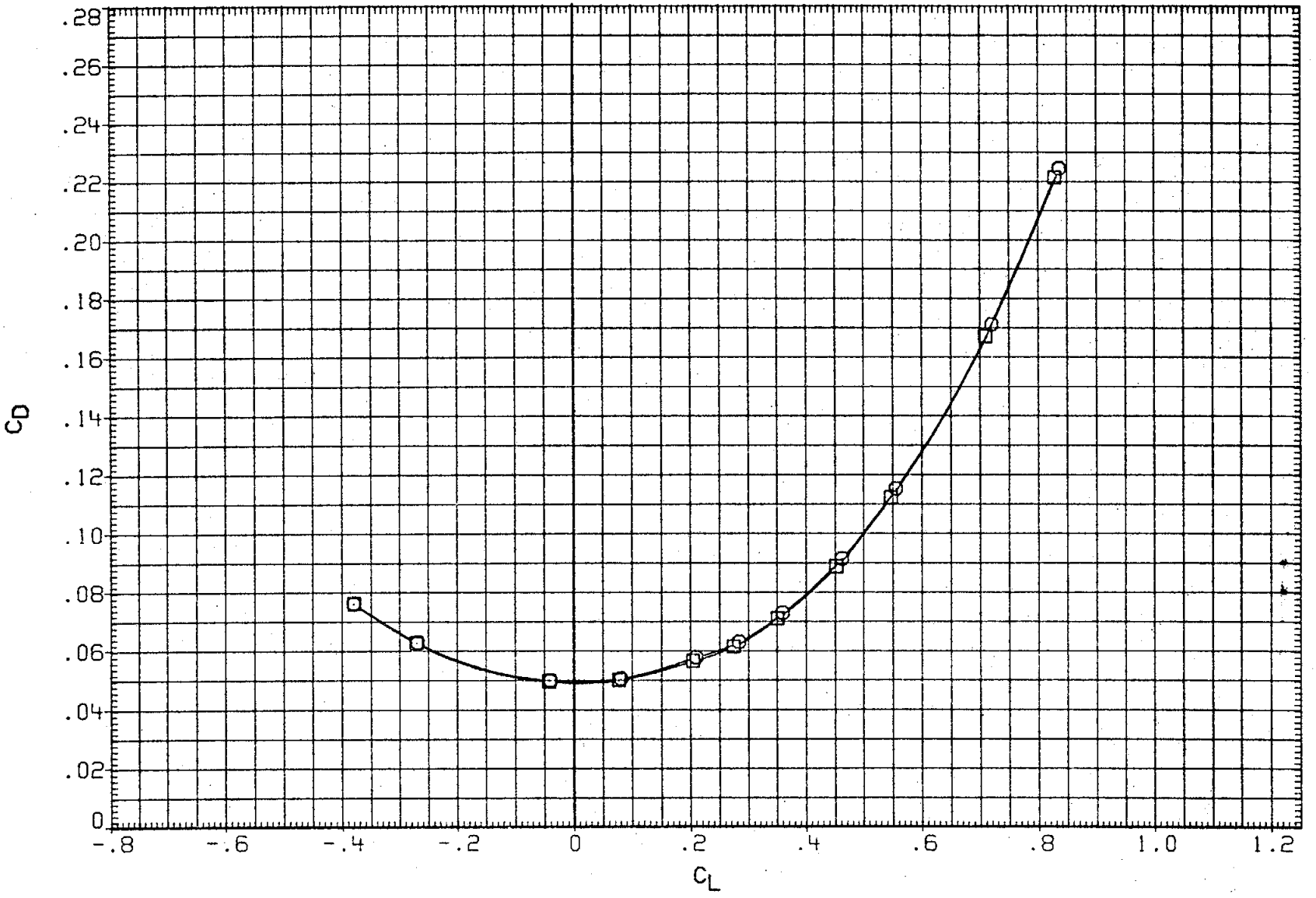


FIG. 68 SILTS ON VS. OFF, SPDBRK=0 DEG., LONG. CHAR.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q057	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	.000	8.000	.000
R2Q0F0	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	.000	8.000	.000

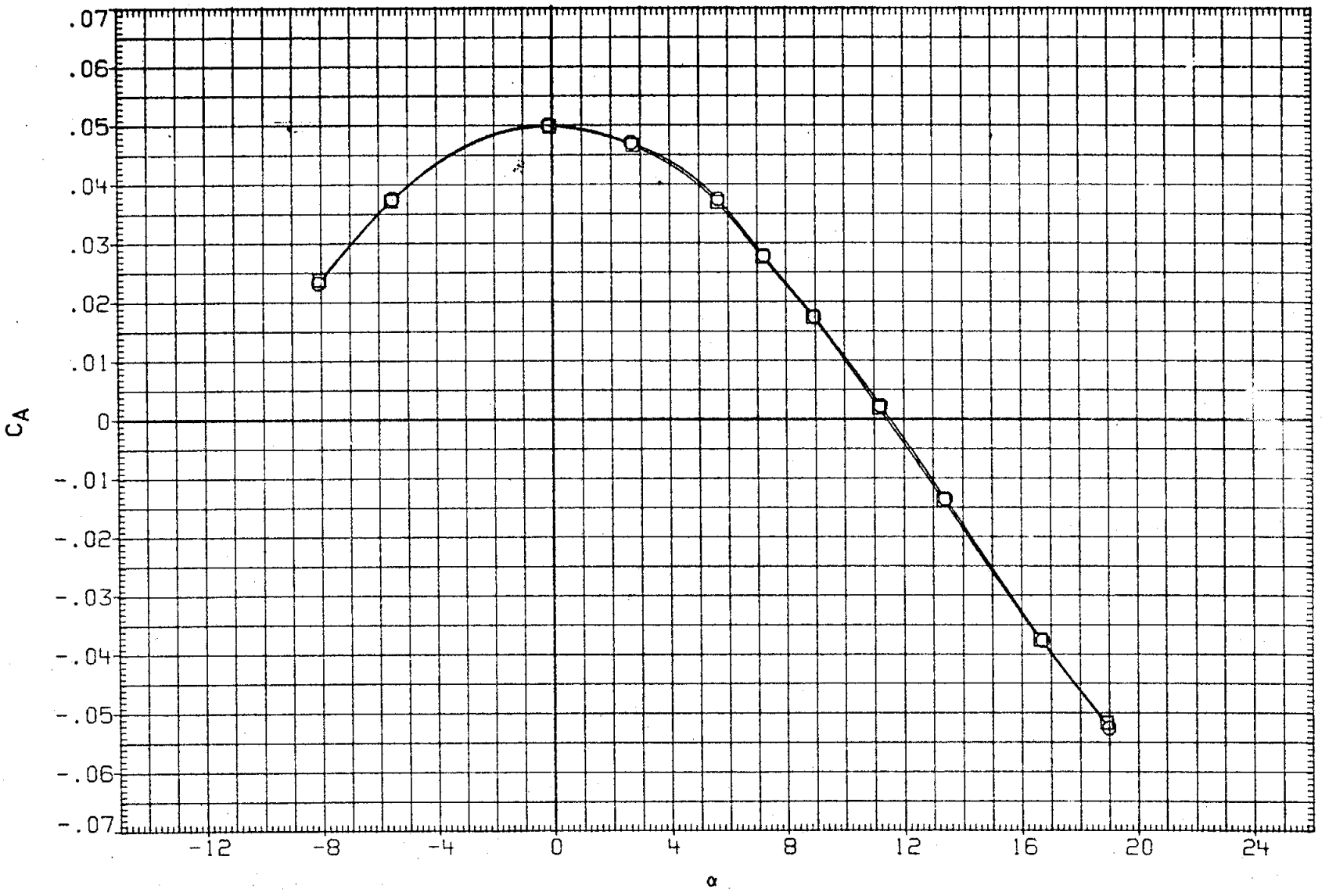


FIG. 68 SILTS ON VS. OFF, SPDBRK=0 DEG., LONG. CHAR.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q060	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	8.000	.000
R2Q0F3	□	ARC 218-1-12 (OV102), NO SILTS POD	5.000	.000	.000	.000	.000	8.000	.000

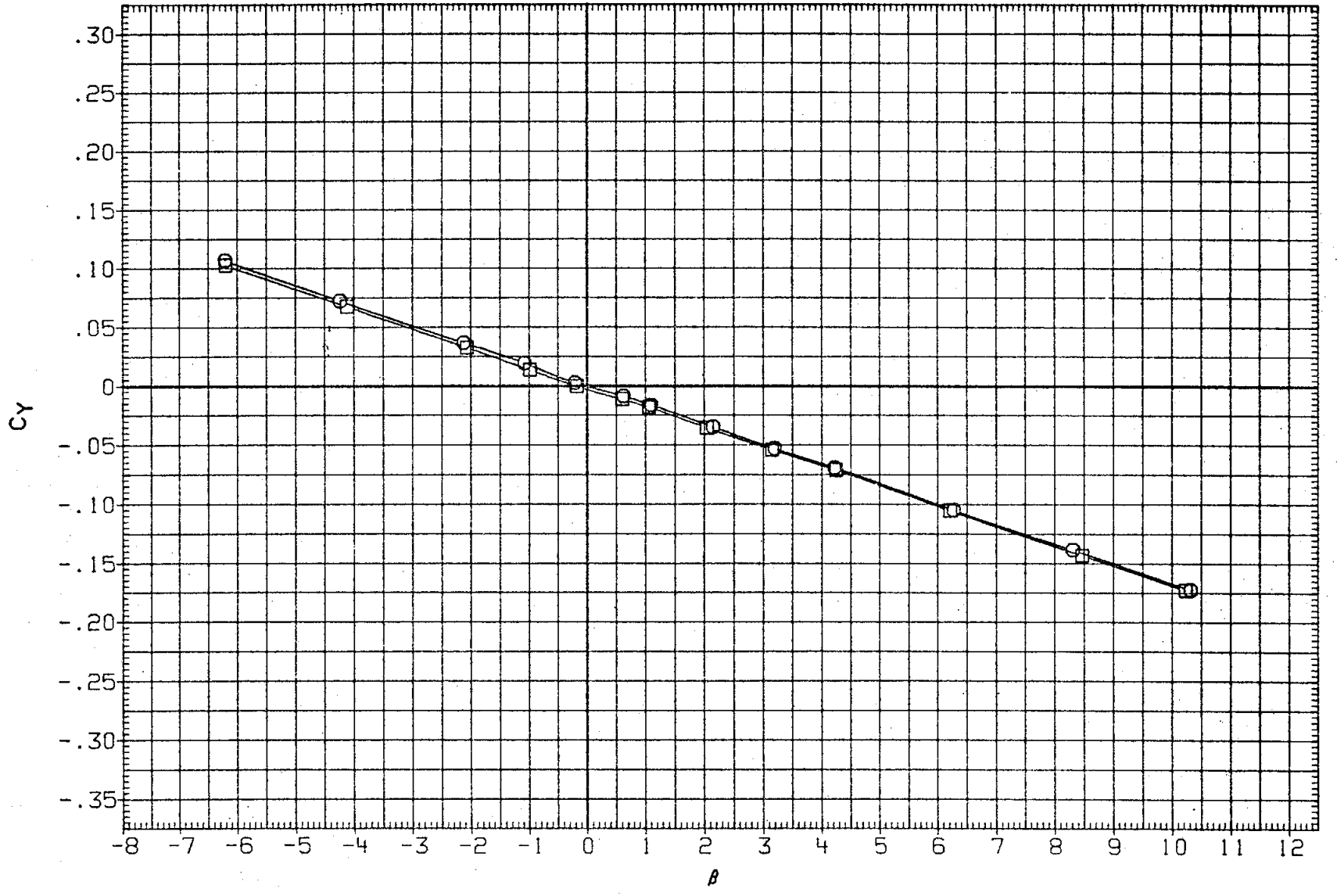


FIG. 69 SILTS ON VS. OFF, SPDBRK=0 DEG., LAT/DIR CHAR, ALPHA=5 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q060	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	8.000	.000
R2Q0F3	□	ARC 218-1-12 (OV102), NO SILTS POD	5.000	.000	.000	.000	.000	8.000	.000

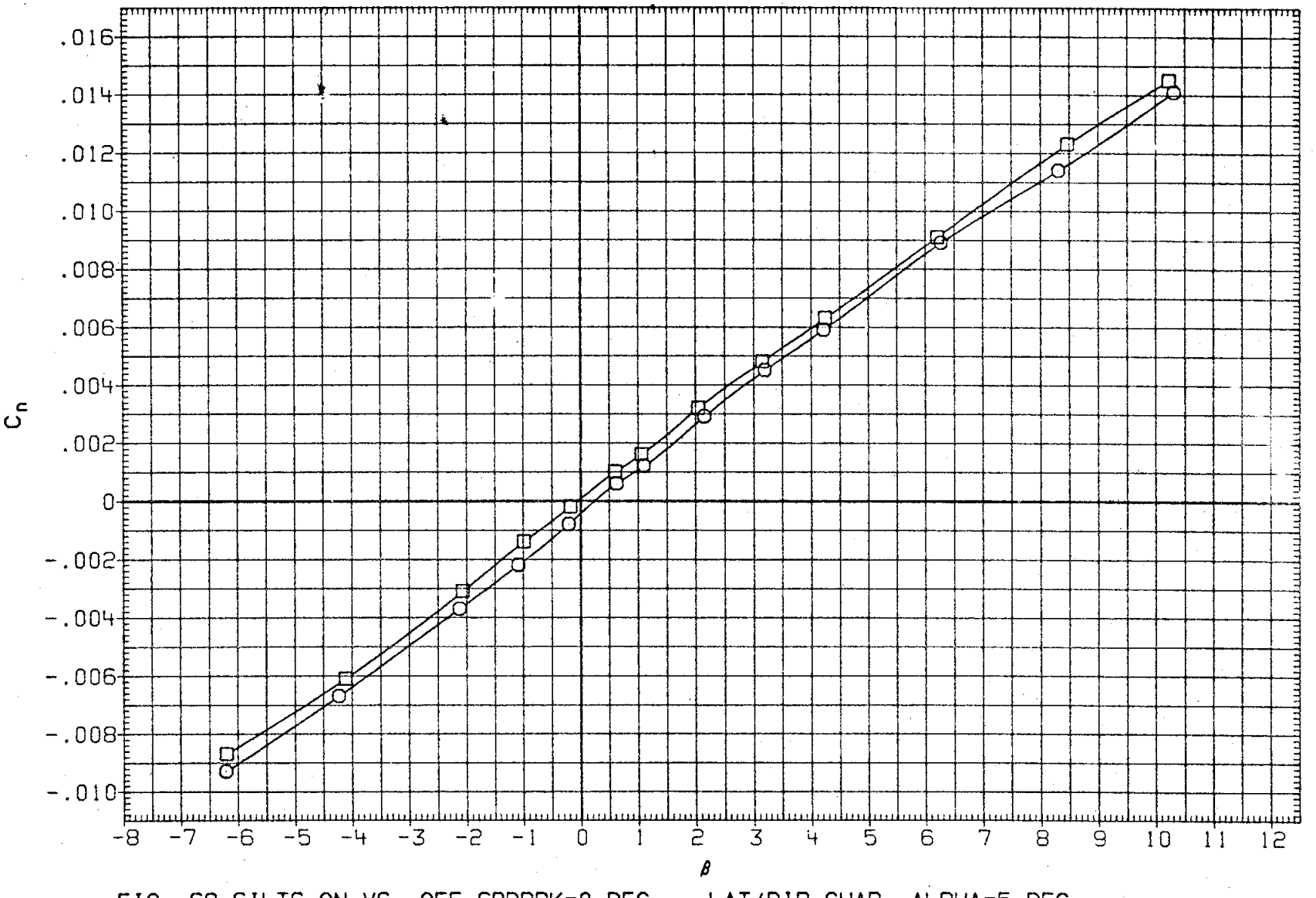


FIG. 69 SILTS ON VS. OFF, SPDBRK=0 DEG., LAT/DIR CHAR, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q060	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	8.000	.000
R2Q0F3	□	ARC 218-1-12 (OV102), NO SILTS POD	5.000	.000	.000	.000	.000	8.000	.000

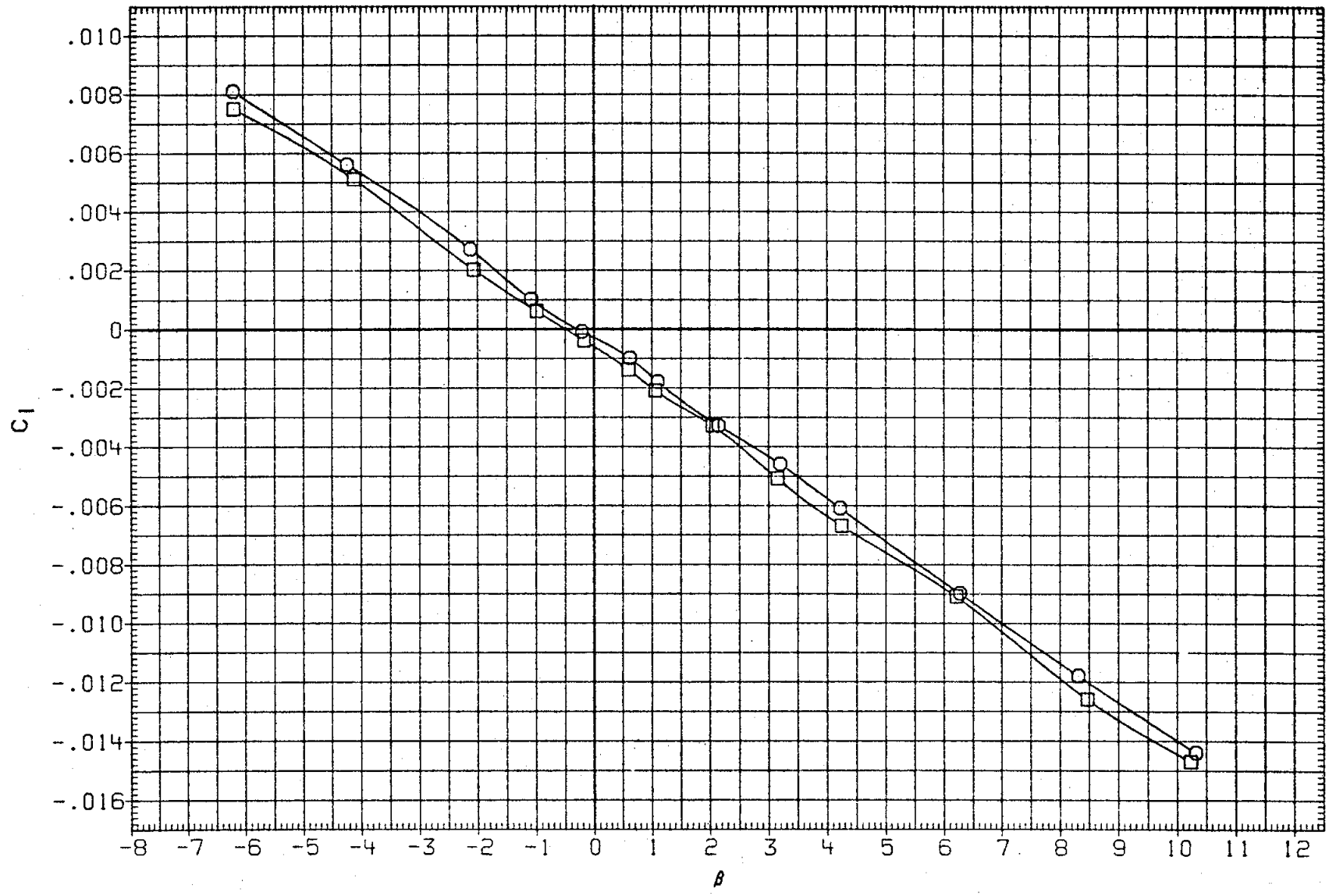


FIG. 69 SILTS ON VS. OFF, SPDBRK=0 DEG., LAT/DIR CHAR, ALPHA=5 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q065	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	.000	8.000
R2Q0F6	□	ARC 218-1-12 (OV102), NO SILTS POD	5.000	.000	.000	.000	.000	.000	8.000

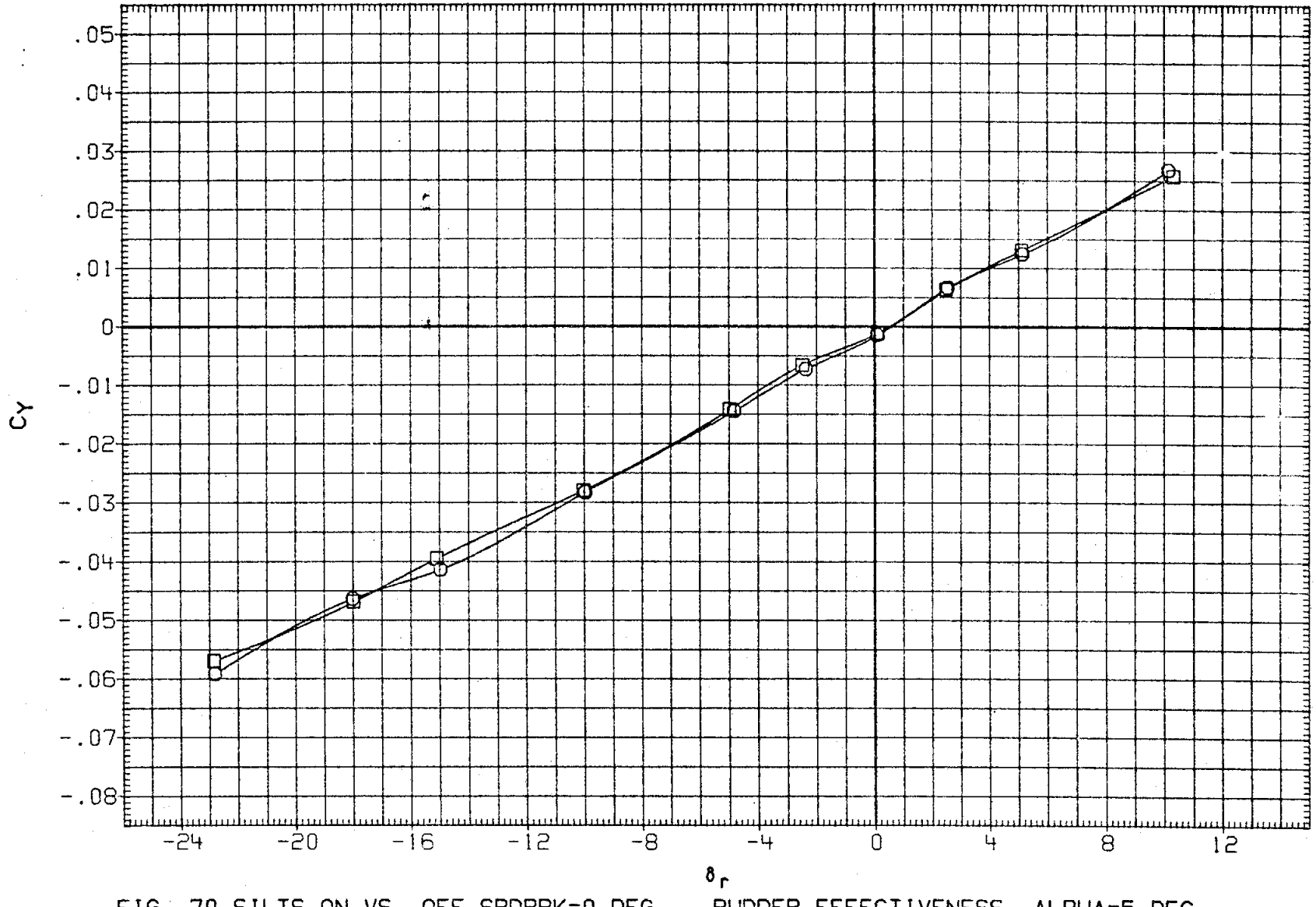


FIG. 70 SILTS ON VS. OFF, SPDBRK=0 DEG., RUDDER EFFECTIVENESS, ALPHA=5 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q065	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	.000	8.000
R2Q0F6	□	ARC 218-1-12 (OV102), NO SILTS POD	5.000	.000	.000	.000	.000	.000	8.000

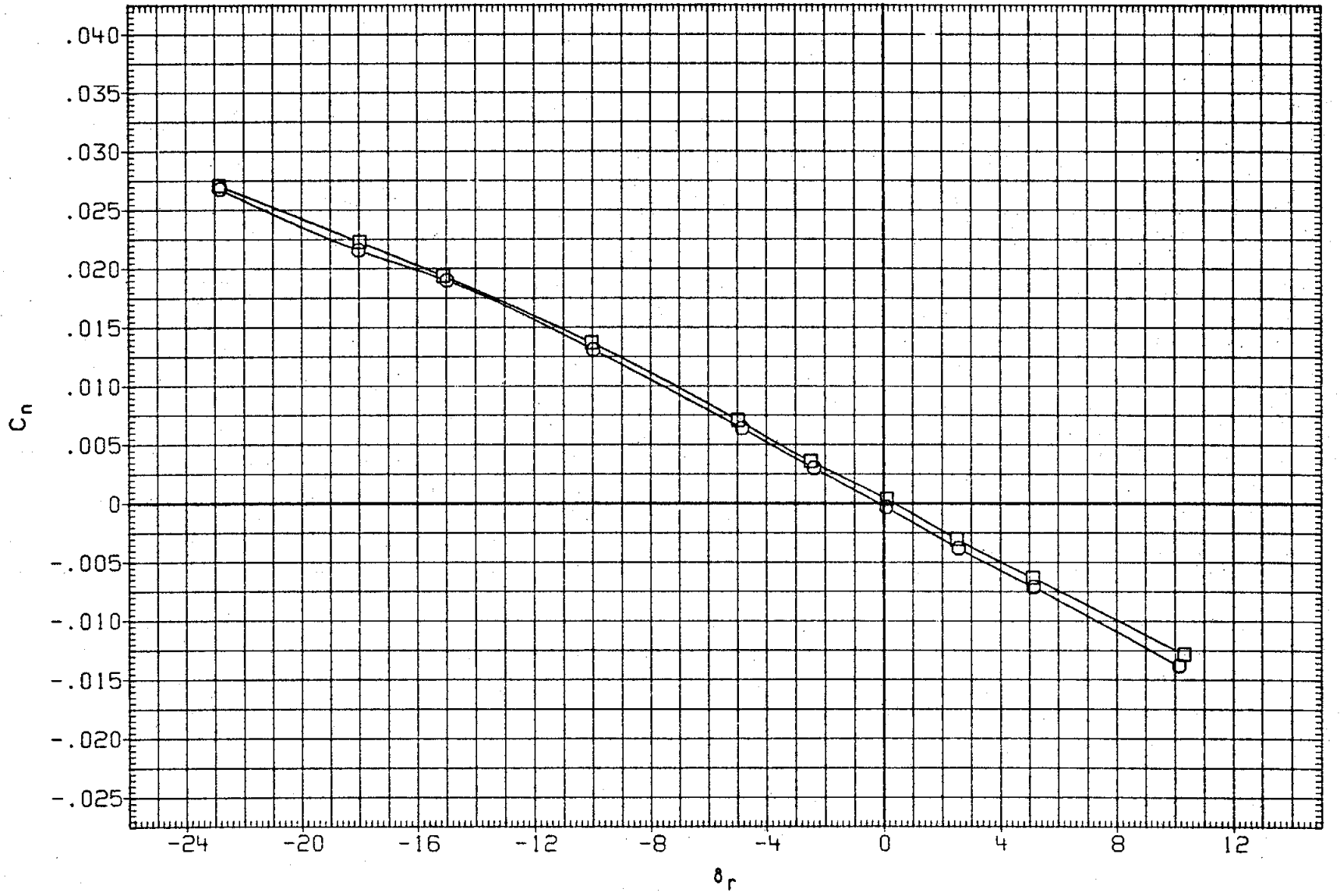


FIG. 70 SILTS ON VS. OFF, SPDBRK=0 DEG., RUDDER EFFECTIVENESS, ALPHA=5 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q065	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	.000	8.000
R2Q0F6	□	ARC 218-1-12 (OV102), NO SILTS POD	5.000	.000	.000	.000	.000	.000	8.000

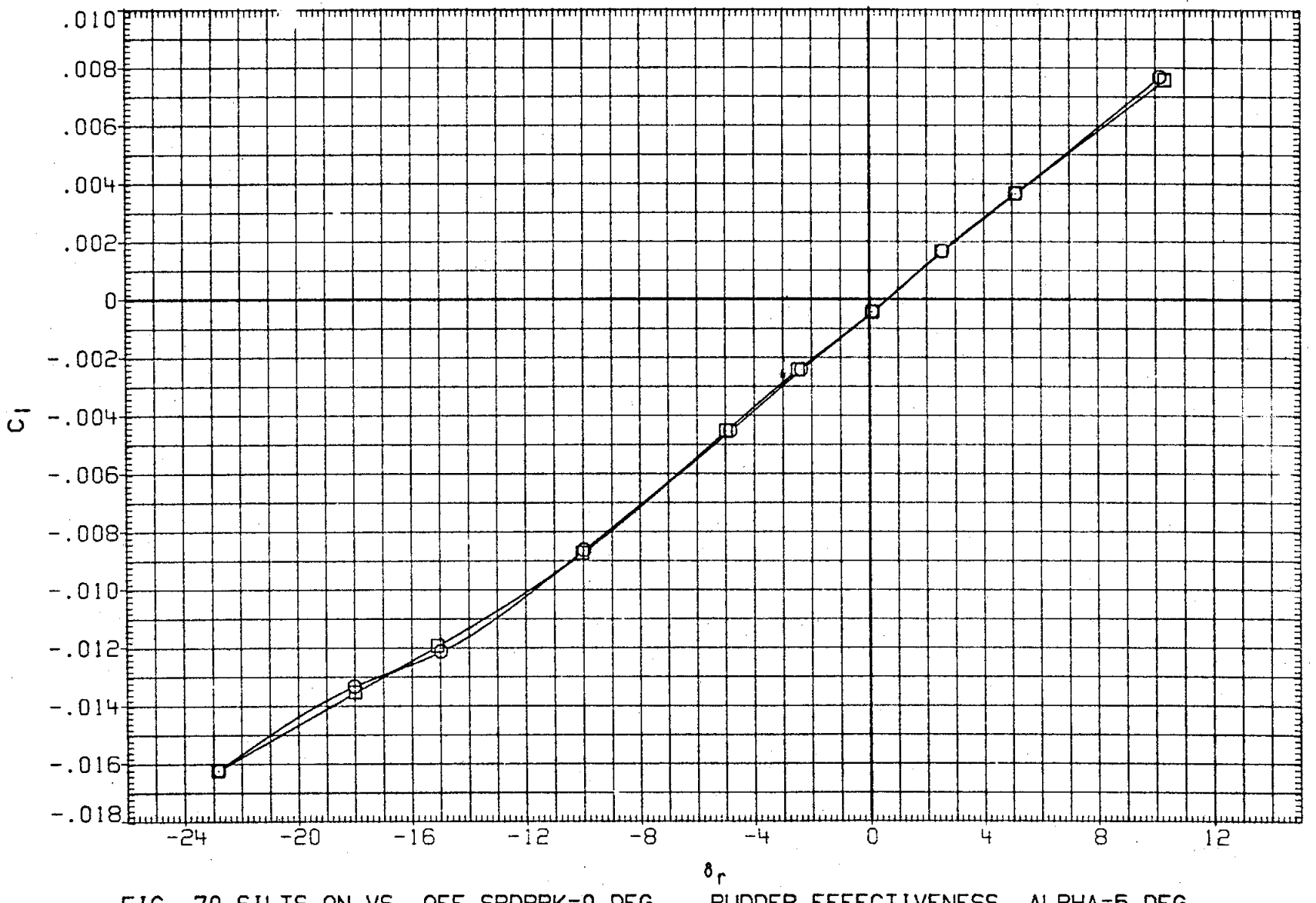


FIG. 70 SILTS ON VS. OFF, SPDBRK=0 DEG., RUDDER EFFECTIVENESS, ALPHA=5 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q096	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	55.000	8.000	.000
R2Q0G3	□	ARC 218-1-12 (0V102), NO SILTS POD	.000	.000	.000	.000	55.000	8.000	.000

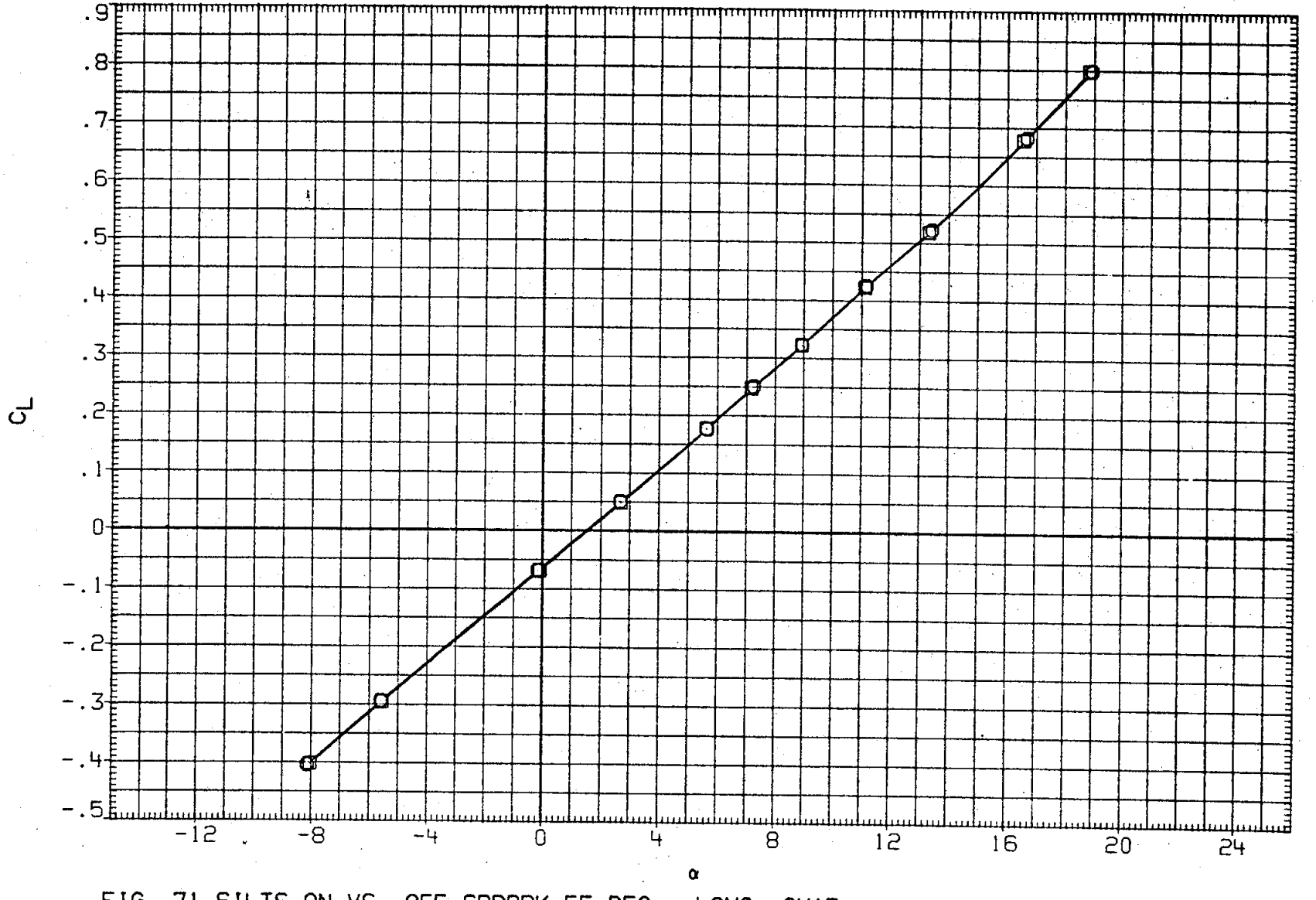


FIG. 71 SILTS ON VS. OFF, SPDBRK=55 DEG., LONG. CHAR

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q096	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	55.000	8.000	.000
R2Q0G3	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	55.000	8.000	.000

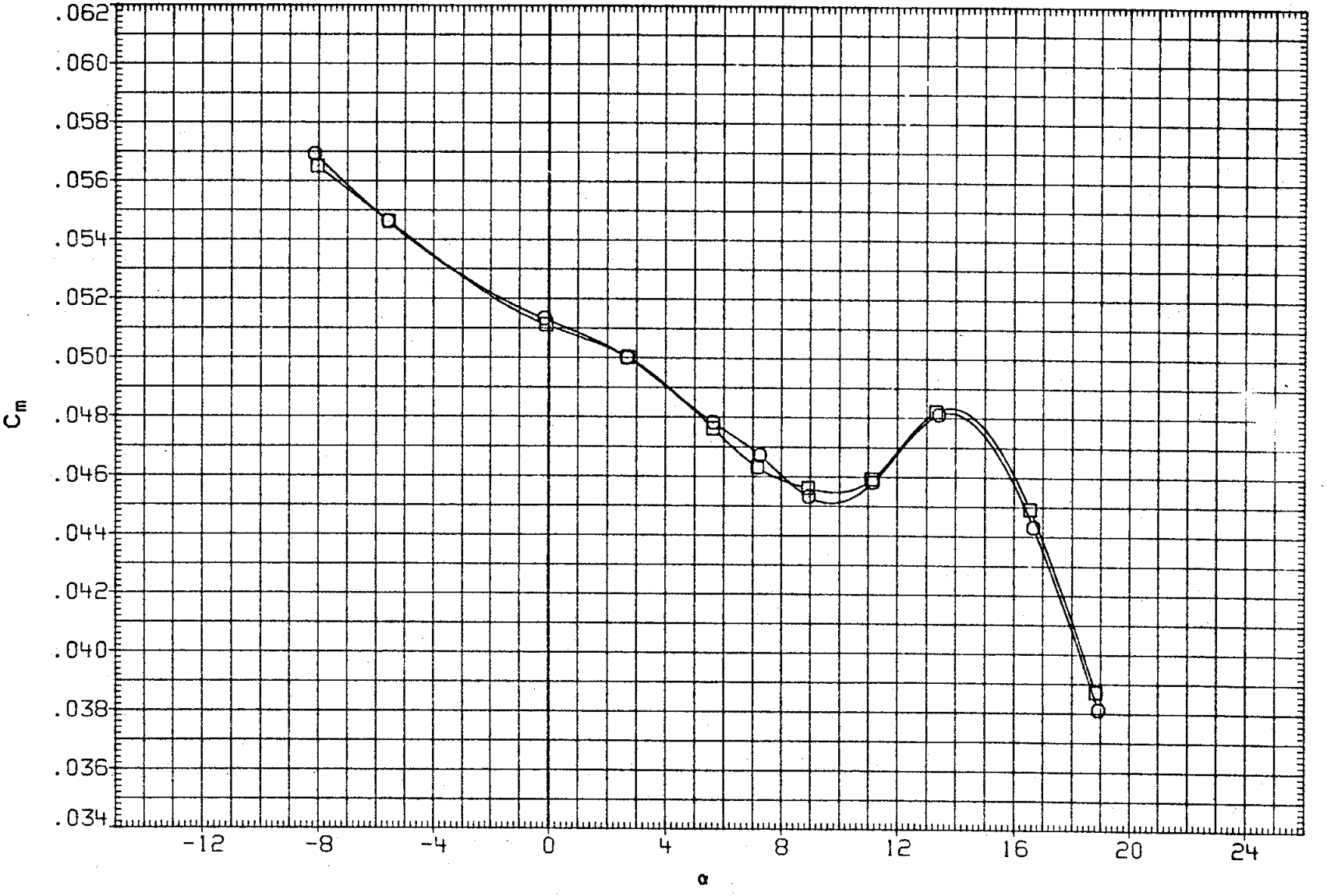


FIG. 71 SILTS ON VS. OFF, SPDBRK=55 DEG., LONG. CHAR

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q096	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	55.000	8.000	.000
R2Q0G3	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	55.000	8.000	.000

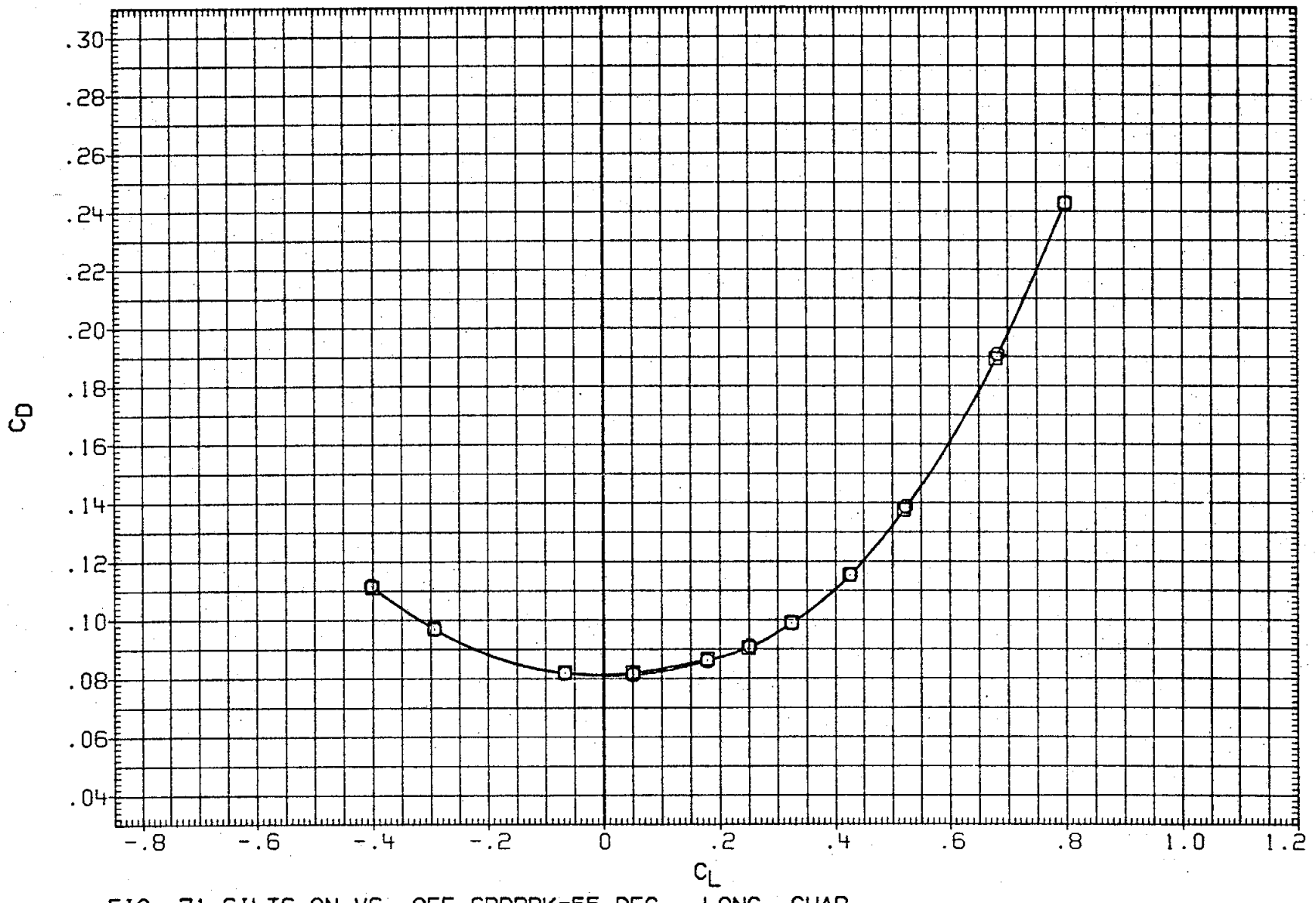


FIG. 71 SILTS ON VS. OFF, SPDBRK=55 DEG., LONG. CHAR

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q096	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	55.000	8.000	.000
R2Q0G3	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	55.000	8.000	.000

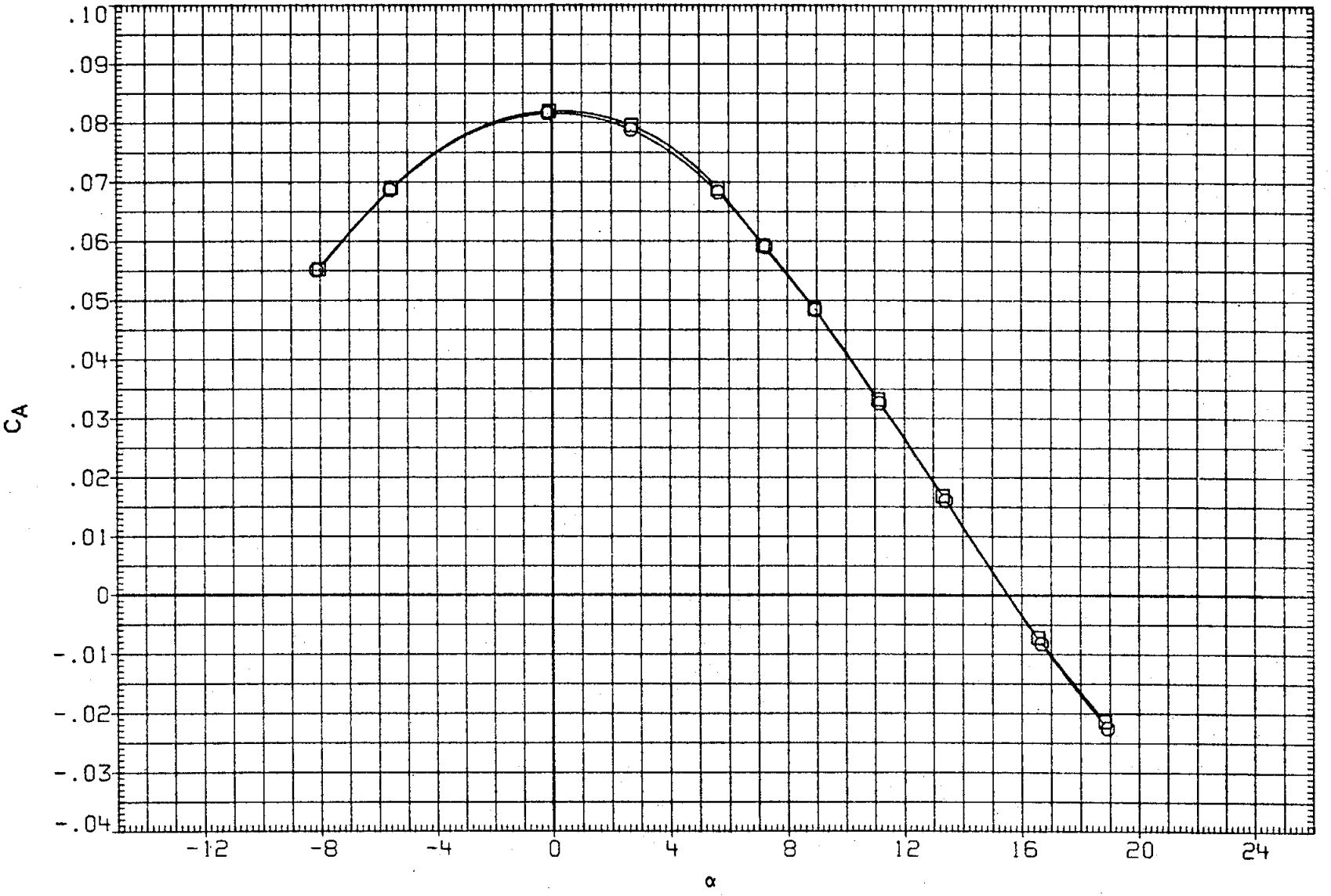


FIG. 71 SILTS ON VS. OFF,SPDBRK=55 DEG., LONG. CHAR

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q098	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	55.000	8.000	.000
R2Q0G7	□	ARC 218-1-12 (OV102), NO SILTS POD	5.000	.000	.000	.000	55.000	8.000	.000

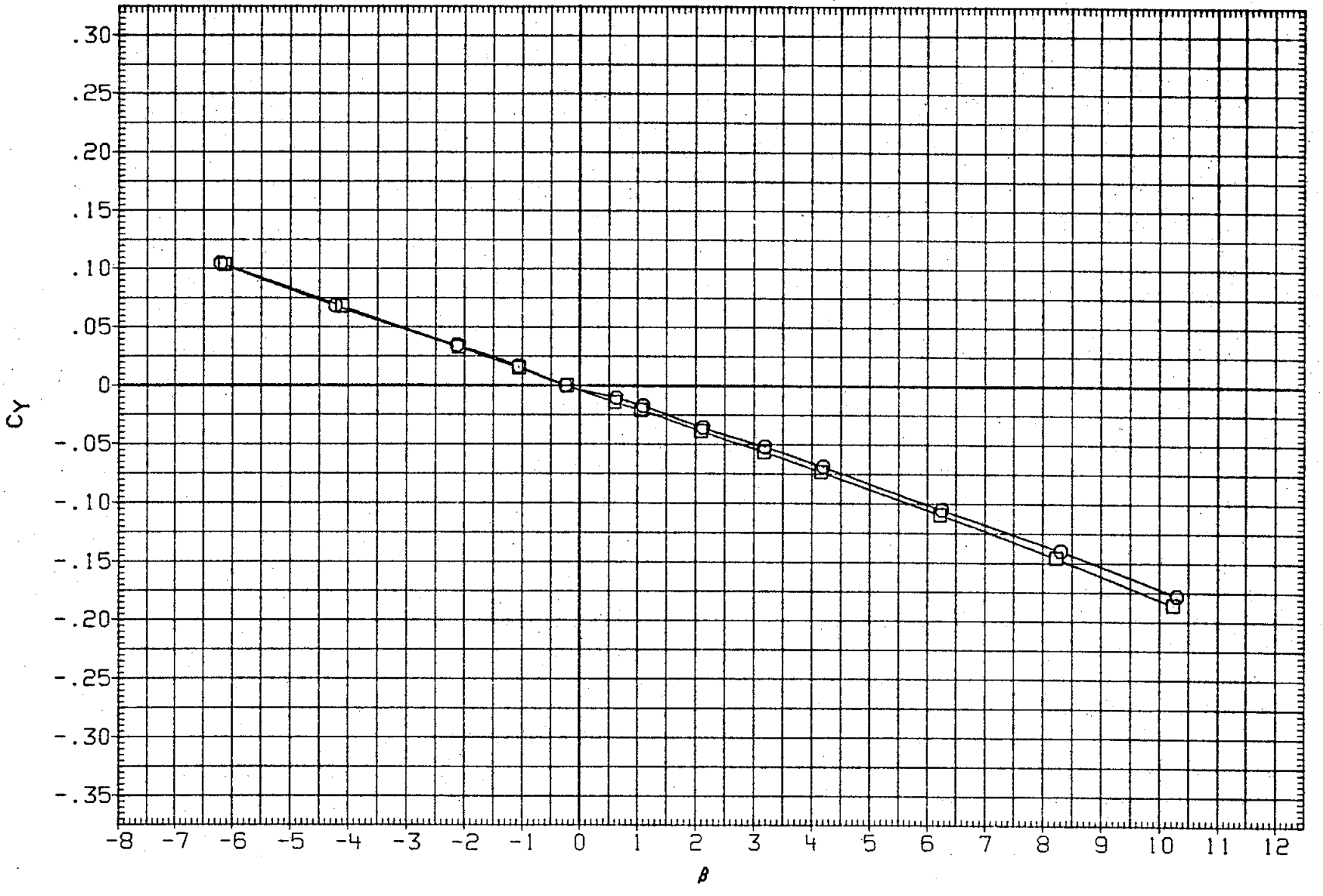


FIG. 72 SILTS ON VS. OFF, SPDBRK=55 DEG., LAT/DIR CHAR, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q09B	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	55.000	8.000	.000
R2Q0G7	□	ARC 218-1-12 (OV102), NO SILTS POD	5.000	.000	.000	.000	55.000	8.000	.000

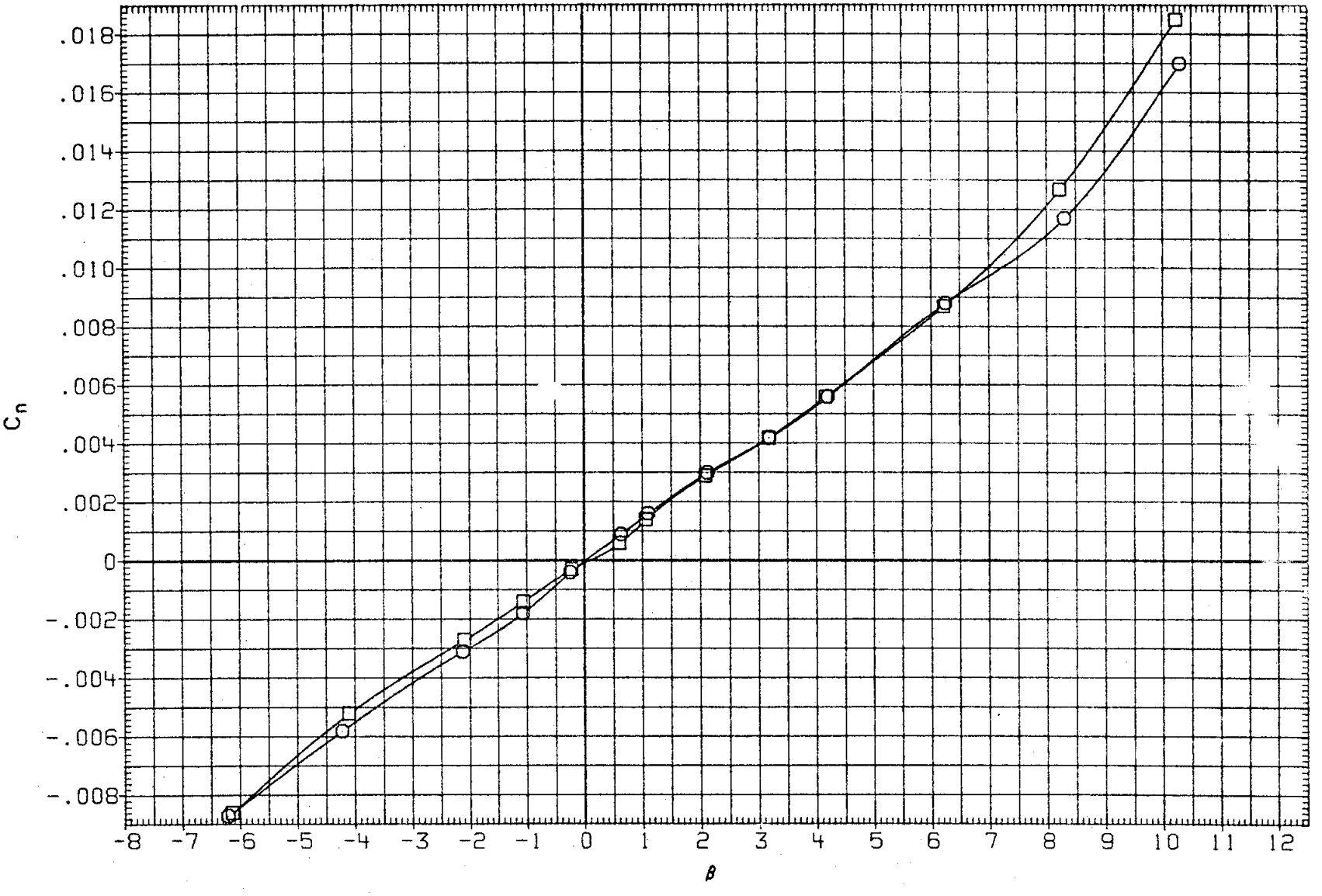


FIG. 72 SILTS ON VS. OFF, SPDBRK=55 DEG., LAT/DIR CHAR, ALPHA=5 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q098	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	55.000	8.000	.000
R2Q0G7	□	ARC 218-1-12 (OV102), NO SILTS POD	5.000	.000	.000	.000	55.000	8.000	.000

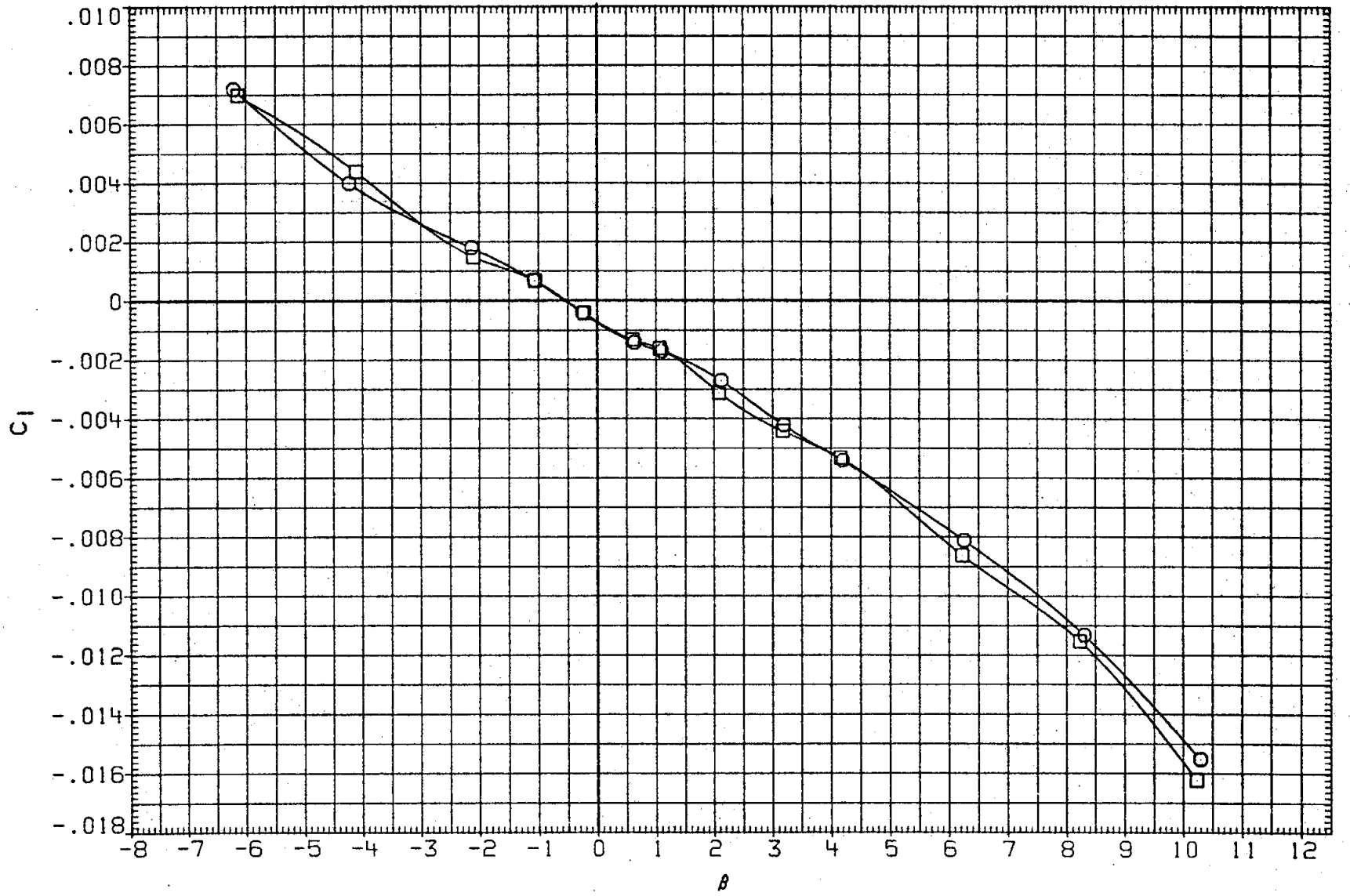


FIG. 72 SILTS ON VS. OFF, SPDBRK=55 DEG., LAT/DIR CHAR, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q0A3	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	55.000	8.000
R2Q0H0	□	ARC 218-1-12 (0V102), NO SILTS POD	5.000	.000	.000	.000	.000	55.000	8.000

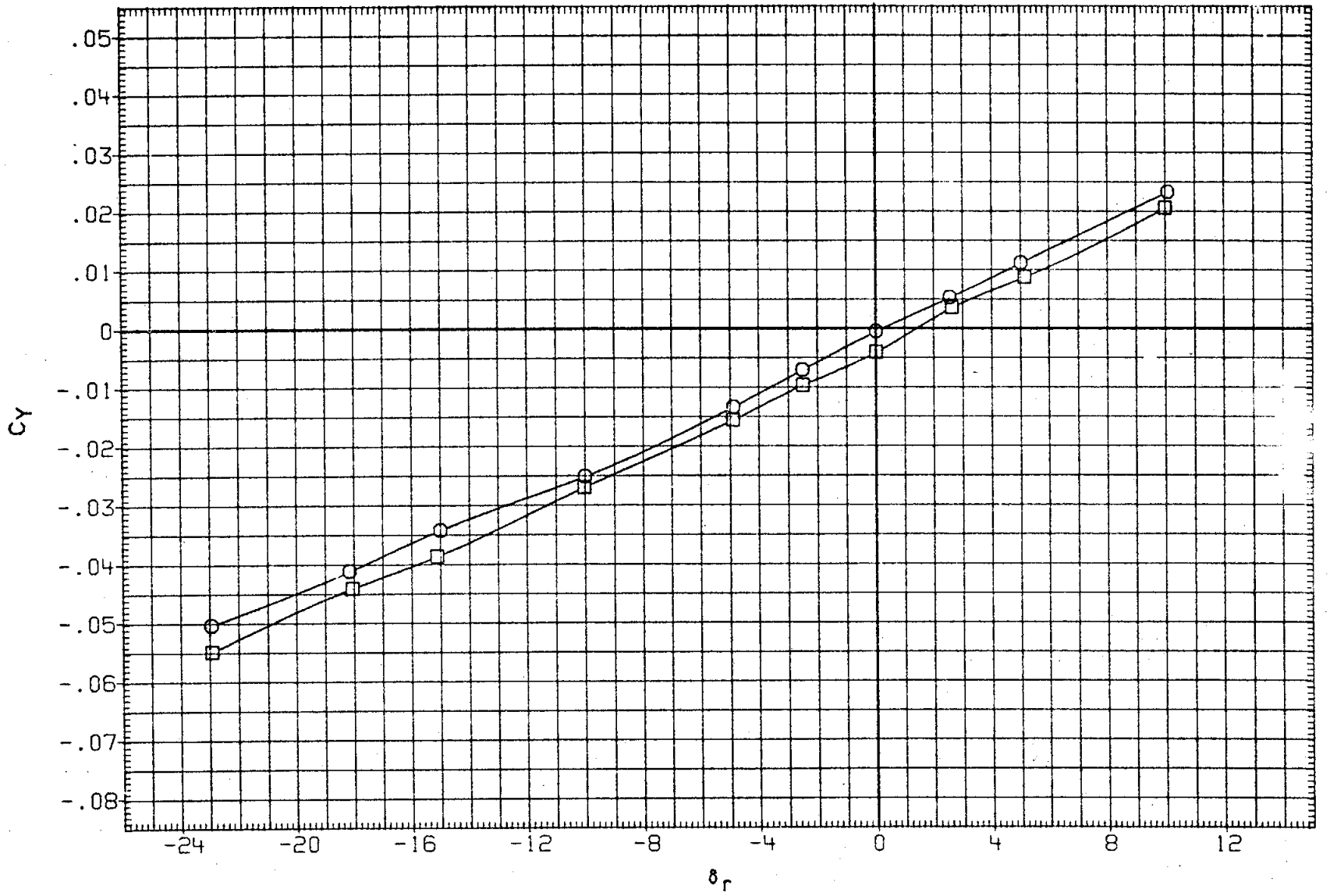


FIG. 73 SILTS ON VS. OFF, SPDBRK=55 DEG., RUDDER EFFECTIVENESS, ALPHA=5 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q0A3	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	55.000	8.000
R2Q0H0	□	ARC 218-1-12 (0V102), NO SILTS POD	5.000	.000	.000	.000	.000	55.000	8.000

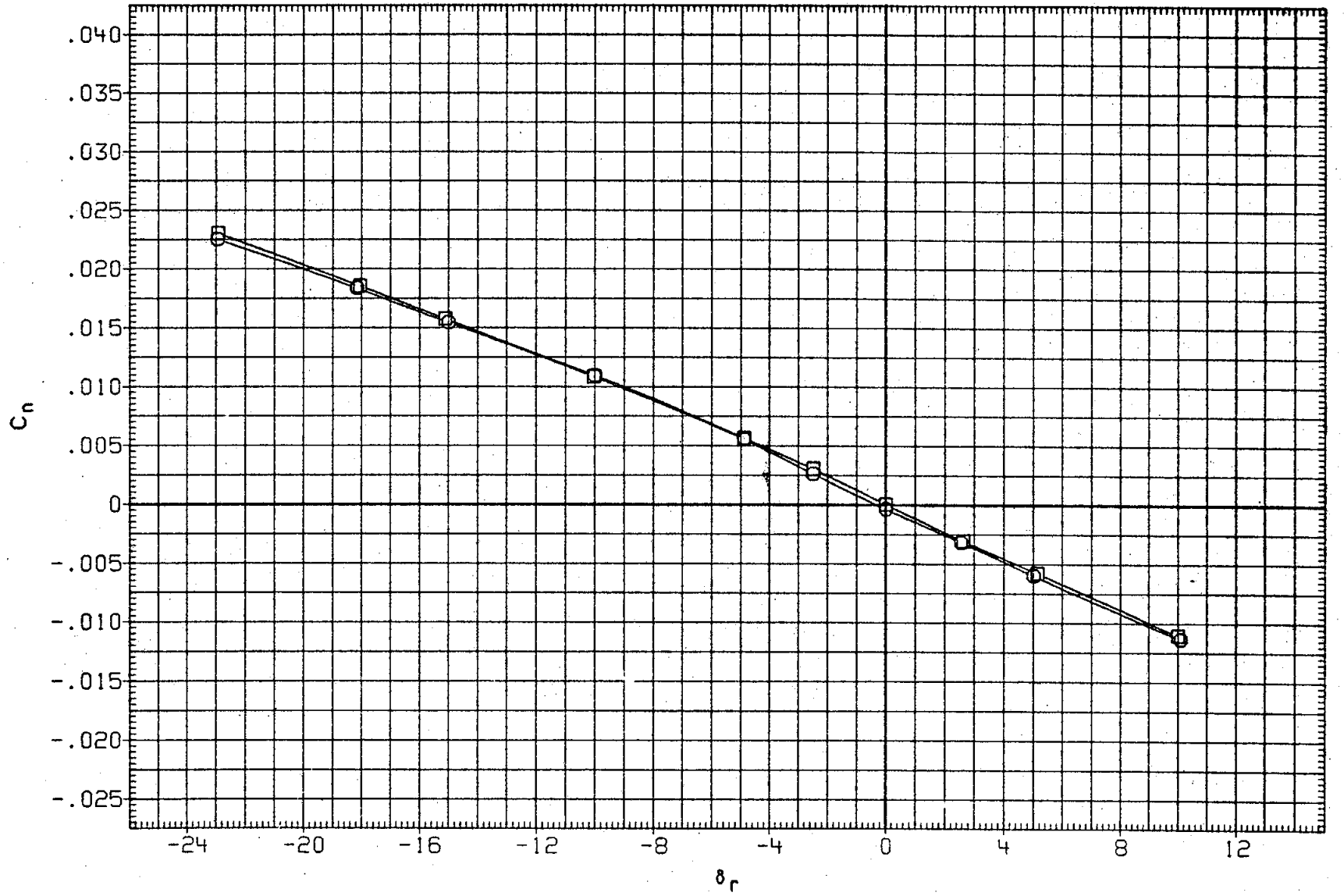


FIG. 73 SILTS ON VS. OFF, SPDBRK=55 DEG., RUDDER EFFECTIVENESS, ALPHA=5 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q0A3	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	55.000	8.000
R2Q0H0	□	ARC 218-1-12 (OV102), NO SILTS POD	5.000	.000	.000	.000	.000	55.000	8.000

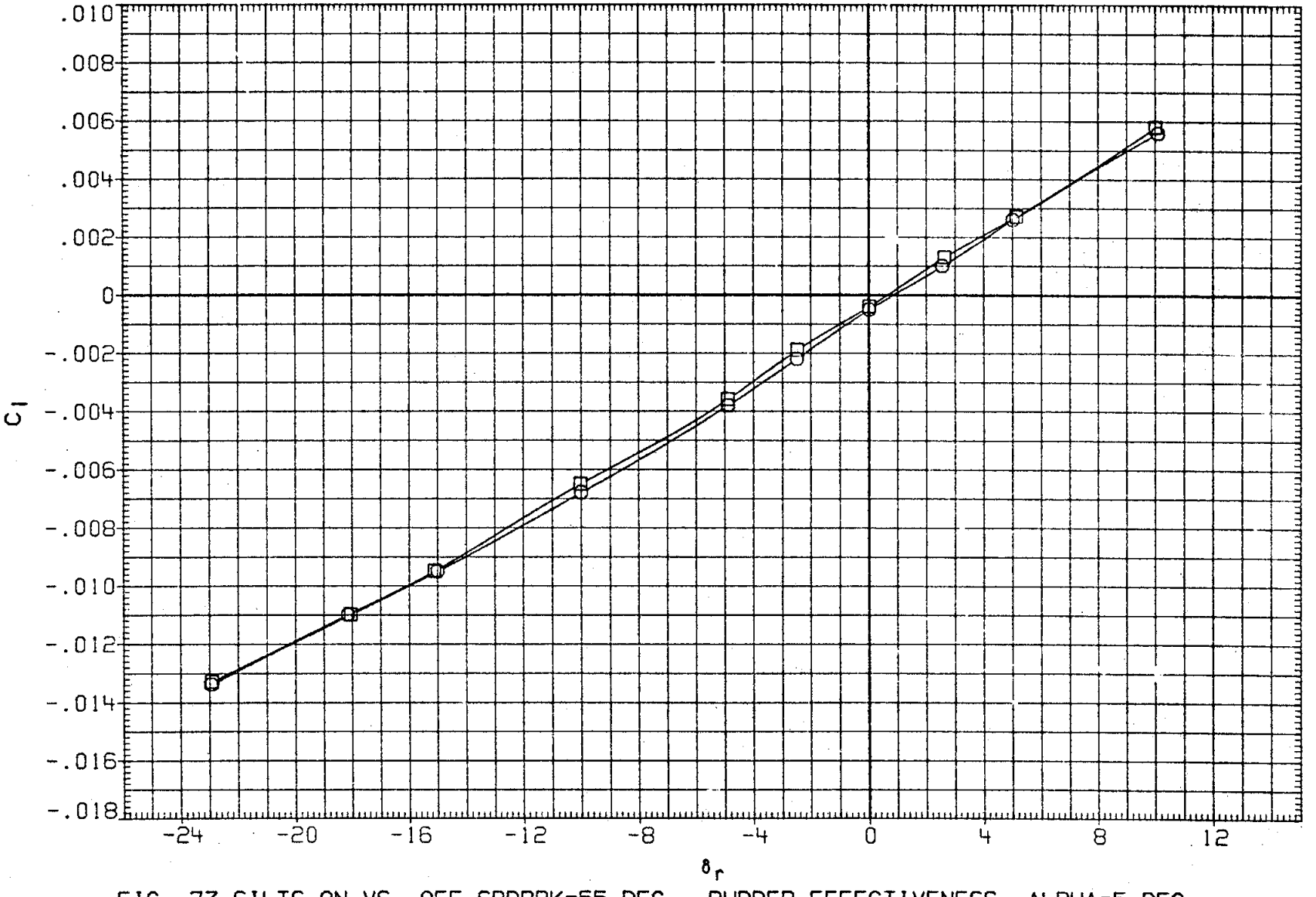


FIG. 73 SILTS ON VS. OFF, SPDBRK=55 DEG., RUDDER EFFECTIVENESS, ALPHA=5 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q002	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	8.000	.000
R2Q0F7	□	ARC 218-1-12 (0V102), NO SILTS POD	.000	.000	.000	.000	25.000	8.000	.000

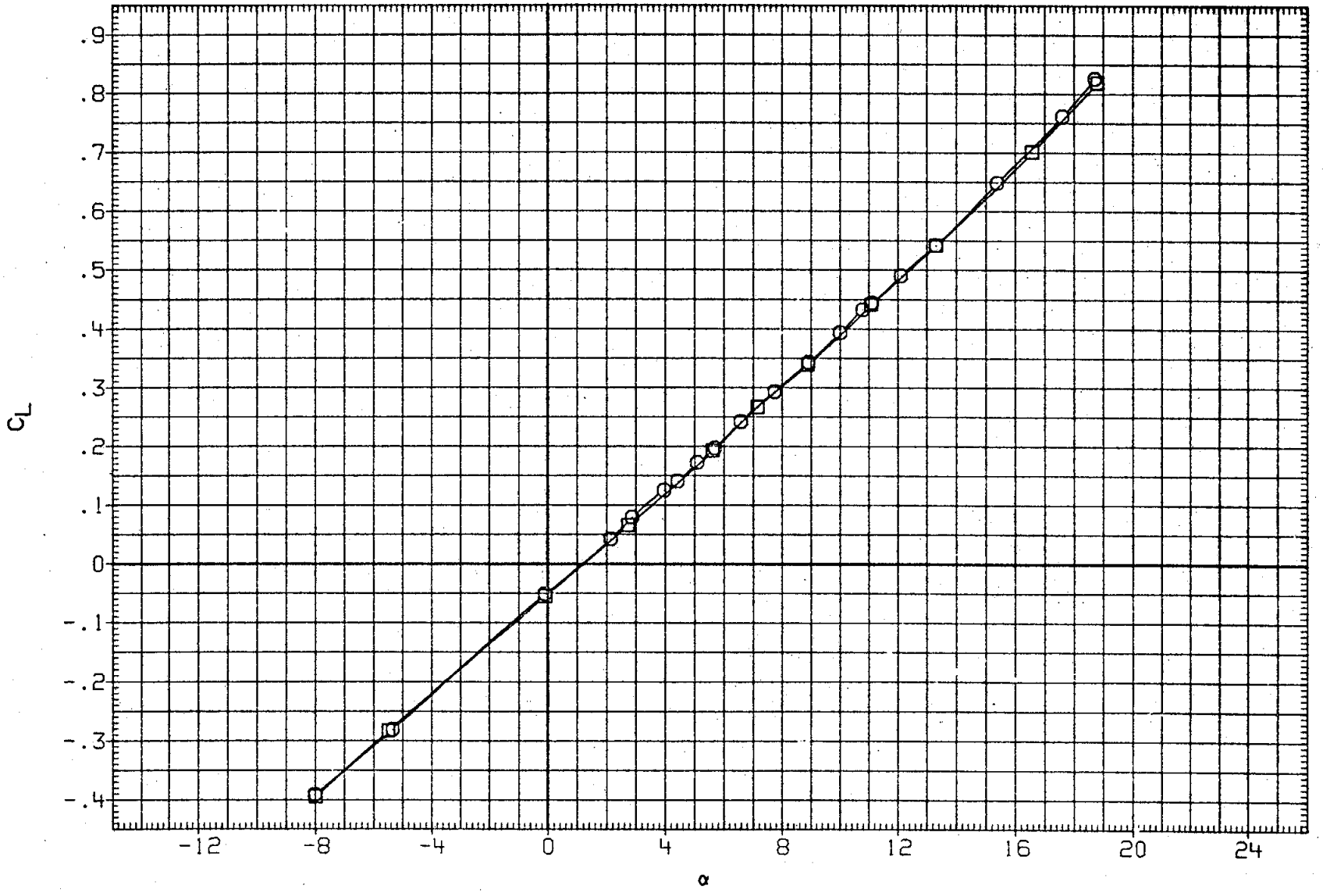


FIG. 74 SILTS ON VS. OFF, SPDBRK=25 DEG., LONG. CHAR

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q002	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	25.000	8.000	.000
R2Q0F7	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	25.000	8.000	.000

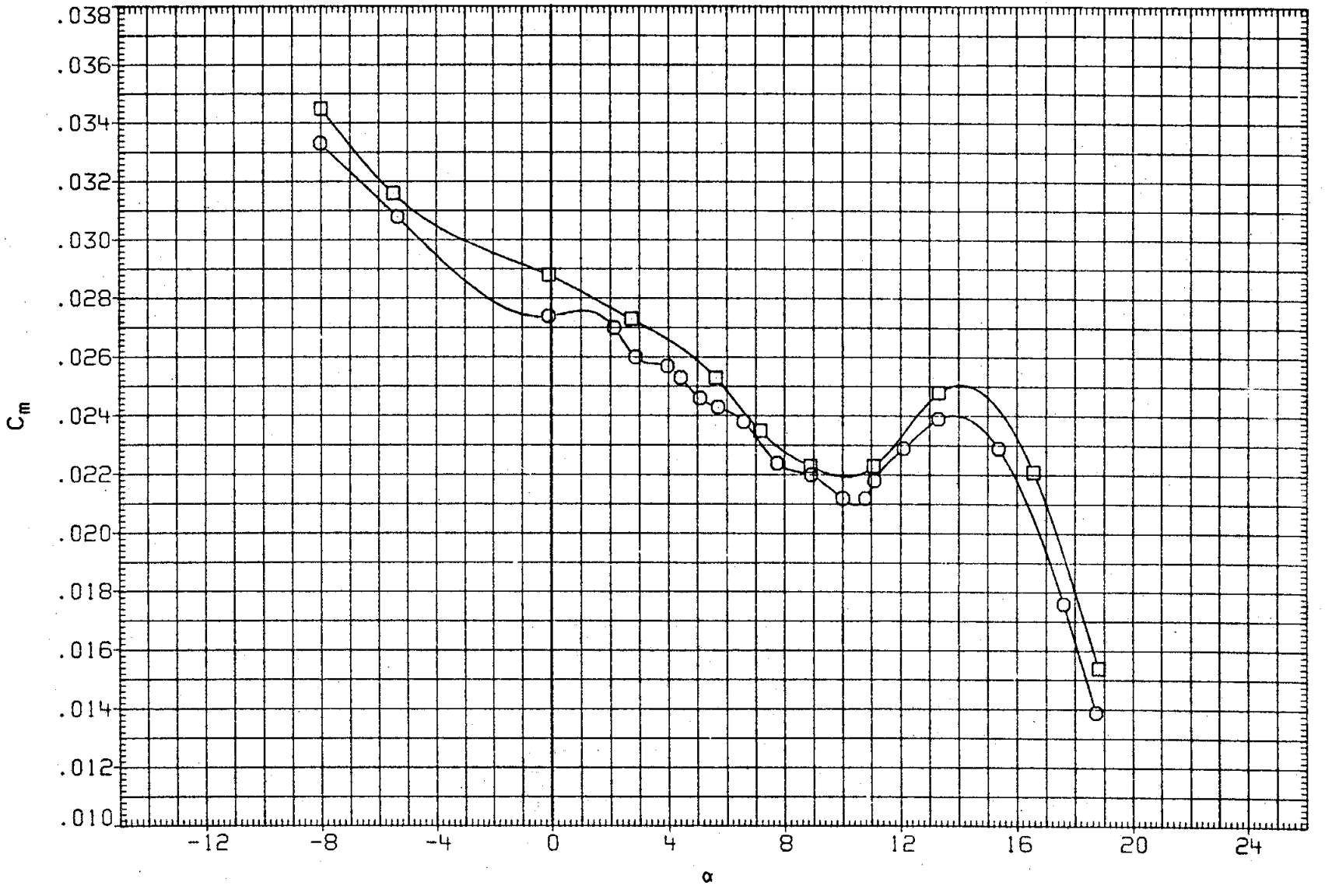


FIG. 74 SILTS ON VS. OFF, SPDBRK=25 DEG., LONG. CHAR

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q002	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	8.000	.000
R2Q0F7	□	ARC 218-1-12 (0V102), NO SILTS POD	.000	.000	.000	.000	25.000	8.000	.000

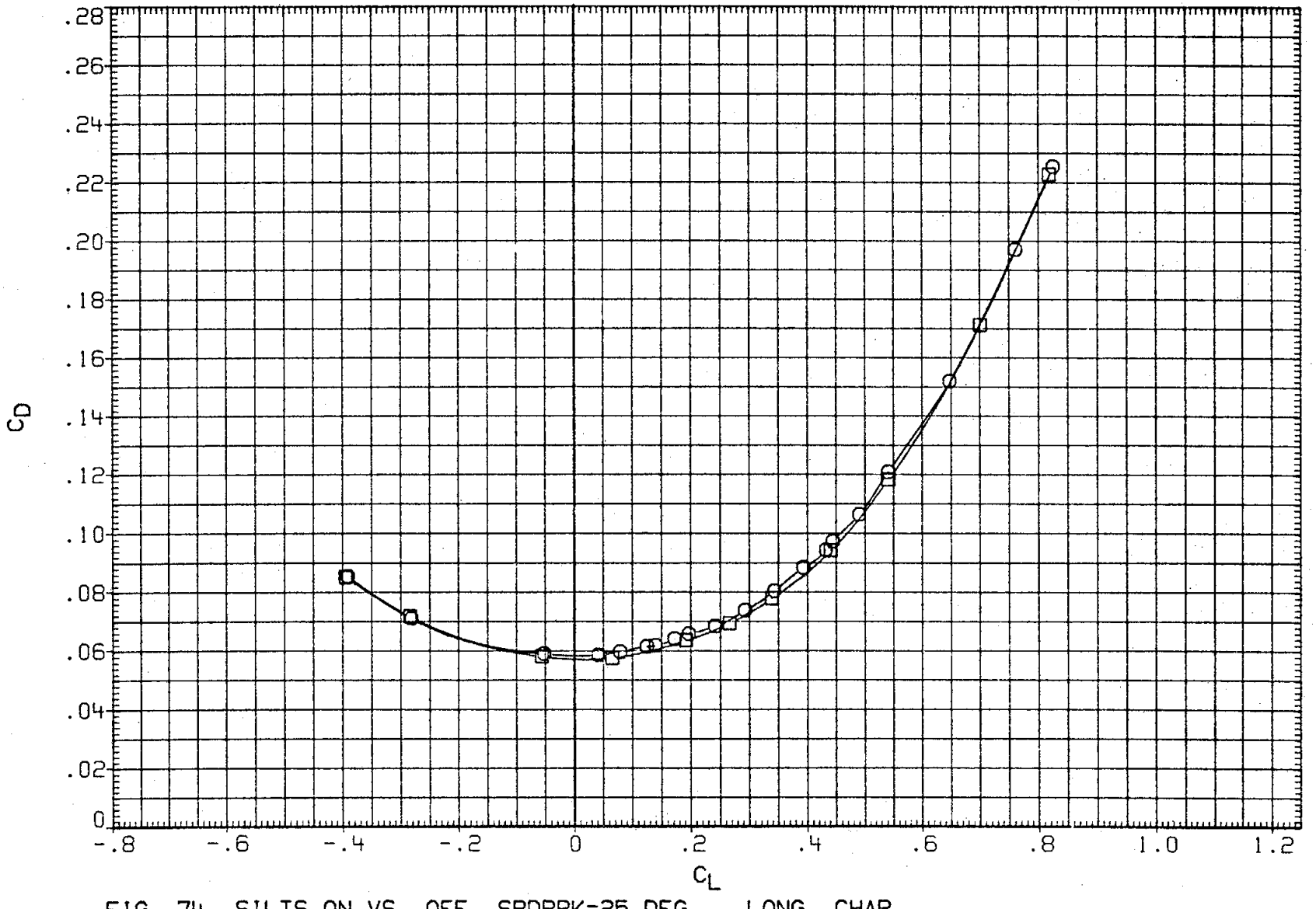


FIG. 74 SILTS ON VS. OFF, SPDBRK=25 DEG., LONG. CHAR

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q002	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	25.000	8.000	.000
R2Q0F7	□	ARC 218-1-12 (0V102), NO SILTS POD	.000	.000	.000	.000	25.000	8.000	.000

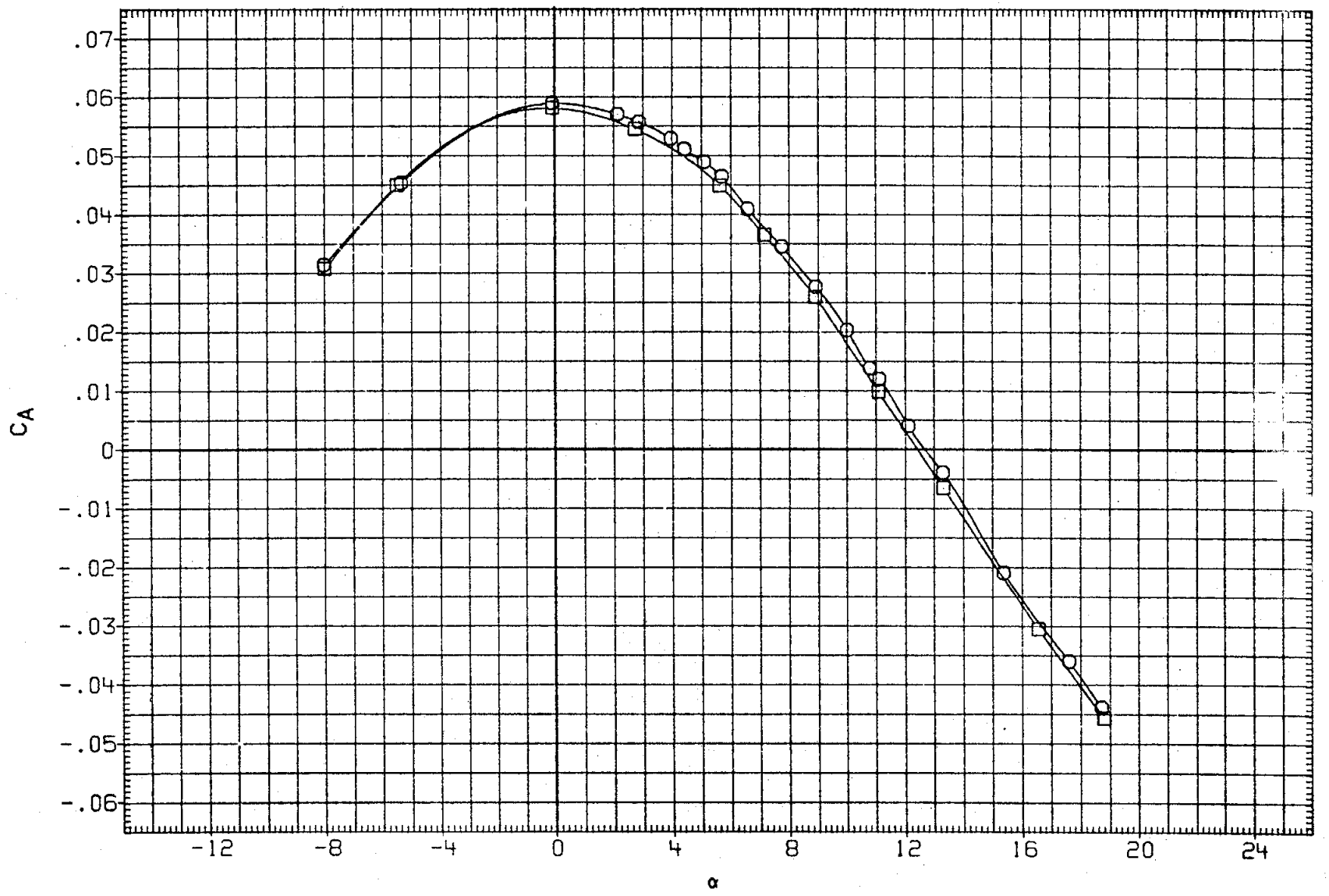


FIG. 74 SILTS ON VS. OFF, SPDBRK=25 DEG., LONG. CHAR

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q006	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	25.000	8.000	.000
R2Q0F9	□	ARC 218-1-12 (OV102), NO SILTS POD	5.000	.000	.000	.000	25.000	8.000	.000

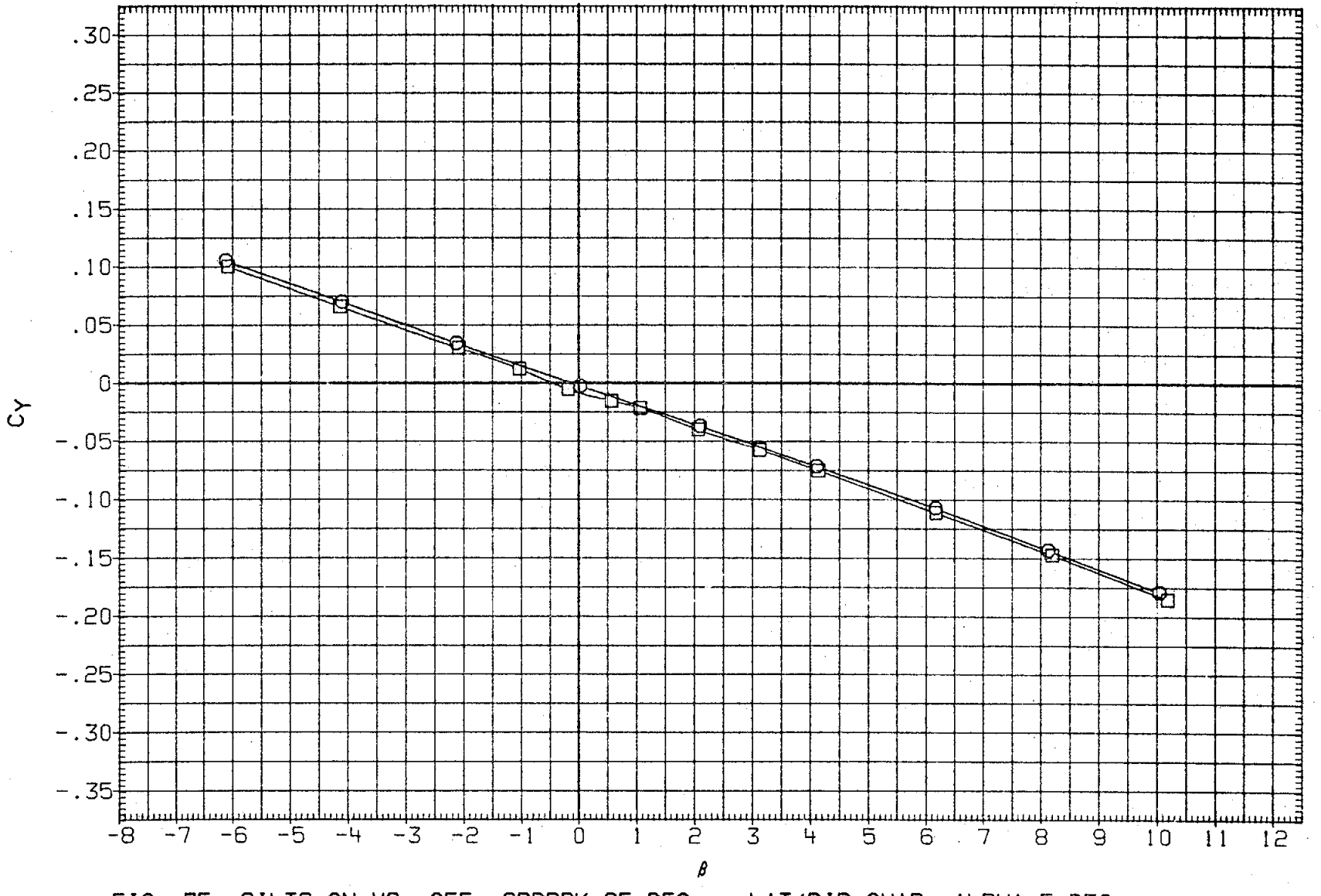


FIG. 75 SILTS ON VS. OFF, SPDBRK=25 DEG., LAT/DIR CHAR. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q006	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	8.000	.000
R2Q0F9	□	ARC 218-1-12 (0V102), NO SILTS POD	5.000	.000	.000	.000	25.000	8.000	.000

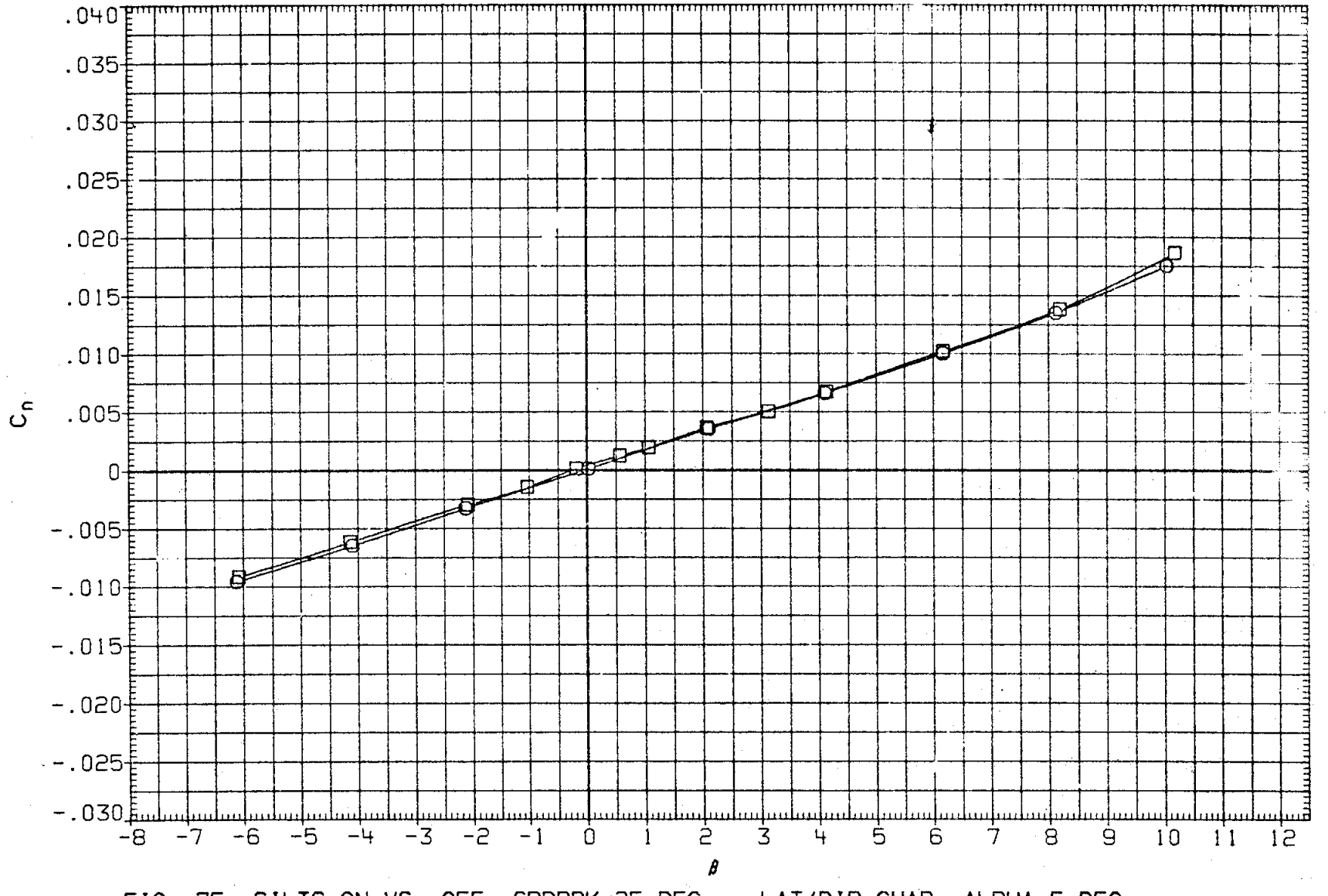


FIG. 75 SILTS ON VS. OFF, SPDBRK=25 DEG., LAT/DIR CHAR. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q006	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	25.000	8.000	.000
R2Q0F9	□	ARC 218-1-12 (0V102), NO SILTS POD	5.000	.000	.000	.000	25.000	8.000	.000

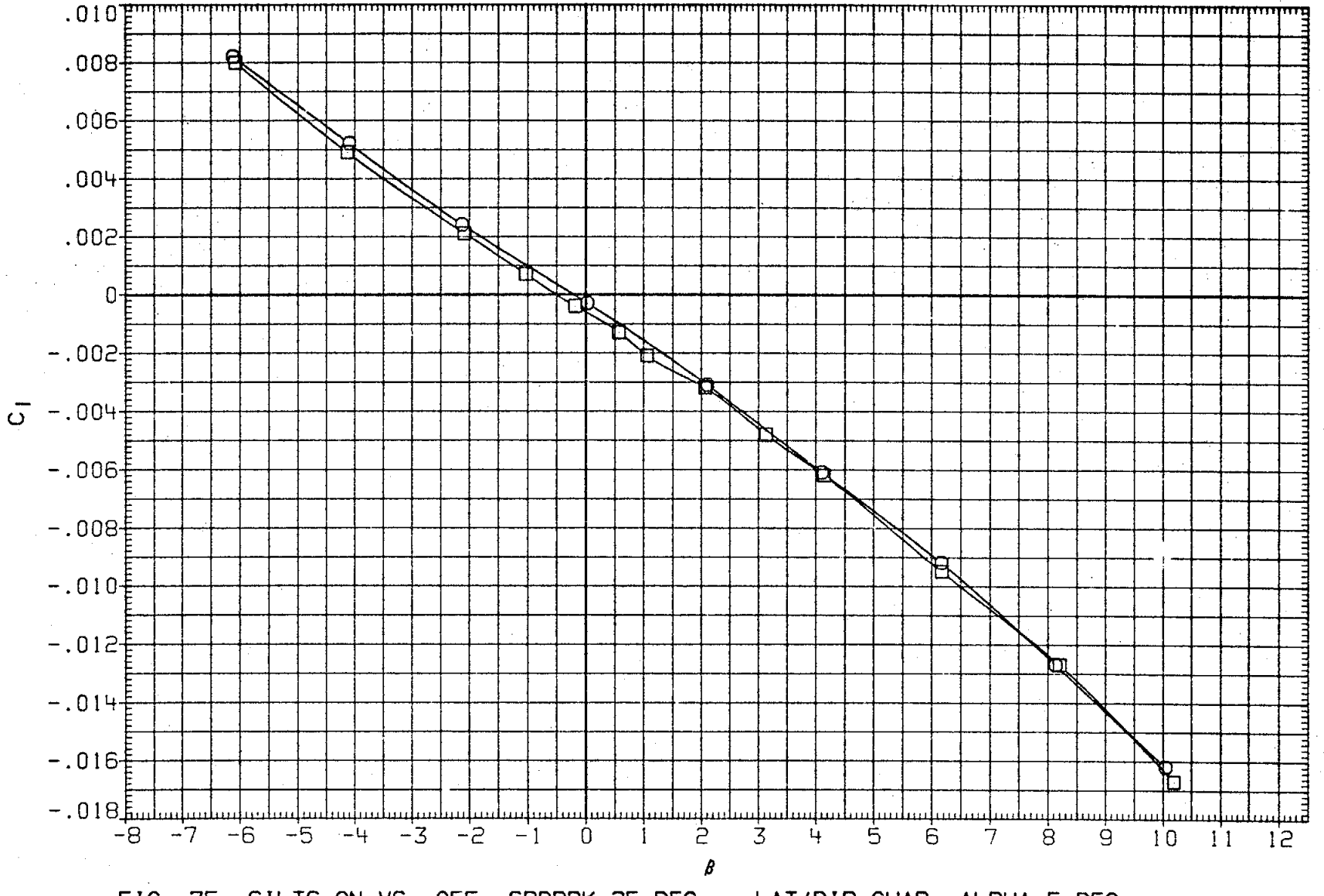


FIG. 75 SILTS ON VS. OFF, SPDBRK=25 DEG., LAT/DIR CHAR. ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q042	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	25.000	8.000
R2Q0G2	□	ARC 218-1-12 (0V102), NO SILTS POD	5.000	.000	.000	.000	.000	25.000	8.000

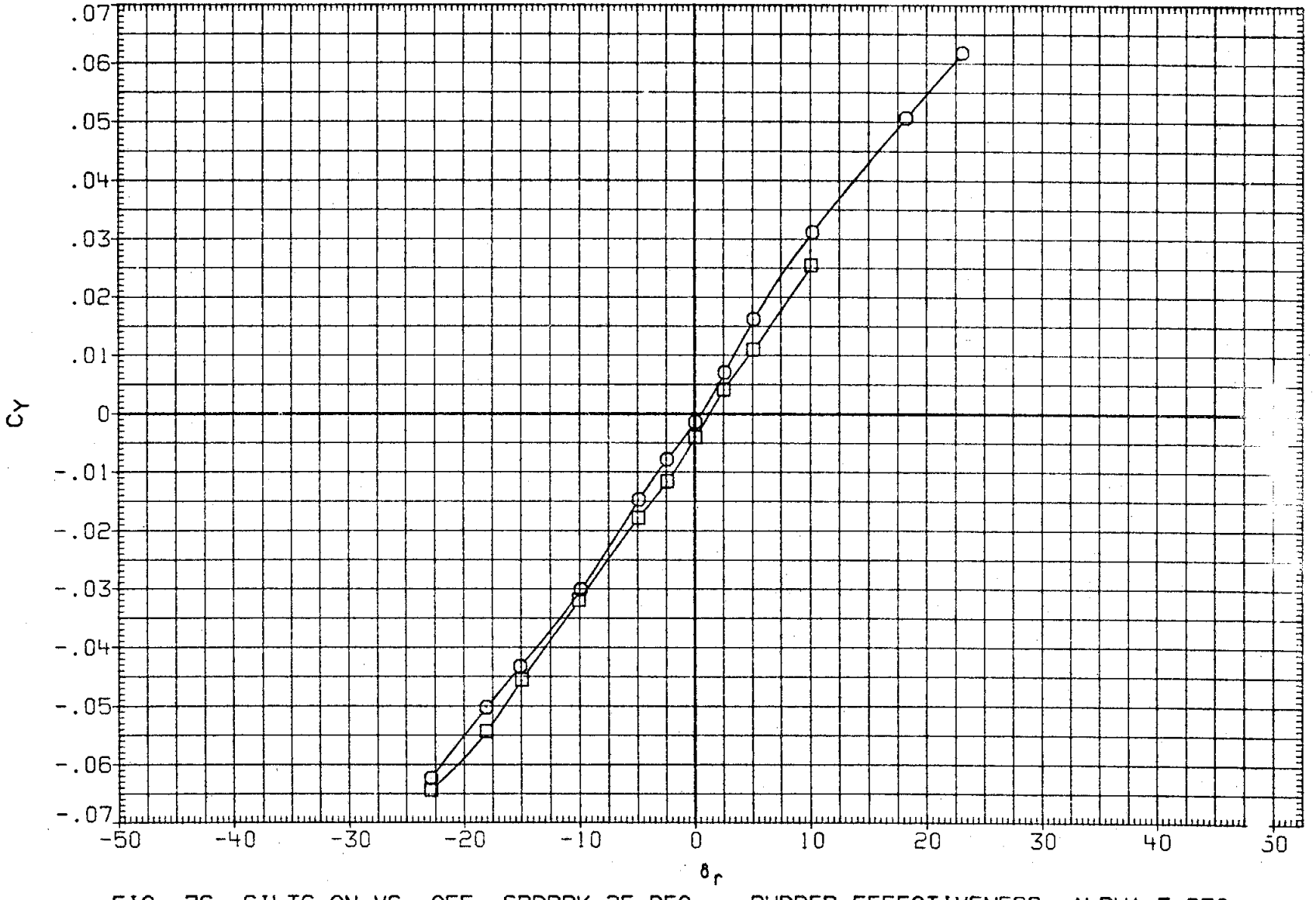


FIG. 76 SILTS ON VS. OFF, SPDBRK=25 DEG. RUDDER EFFECTIVENESS, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q042	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	25.000	8.000
R2Q0G2	□	ARC 218-1-12 (OV102), NO SILTS POD	5.000	.000	.000	.000	.000	25.000	8.000

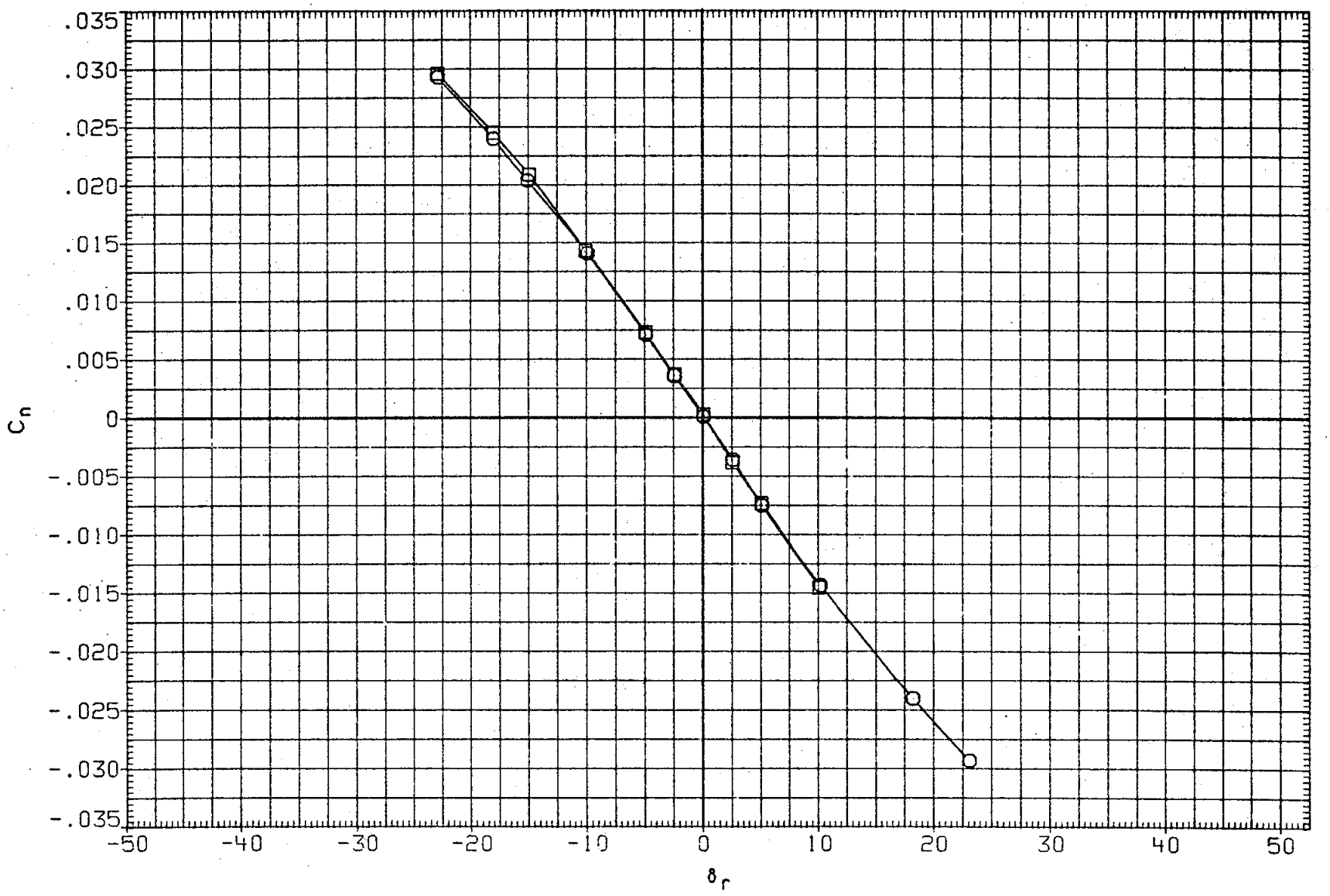


FIG. 76 SILTS ON VS. OFF, SPDBRK=25 DEG. RUDDER EFFECTIVENESS, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L
R2Q042	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	25.000	8.000
R2Q0G2	□	ARC 218-1-12 (0V102), NO SILTS POD	5.000	.000	.000	.000	.000	25.000	8.000

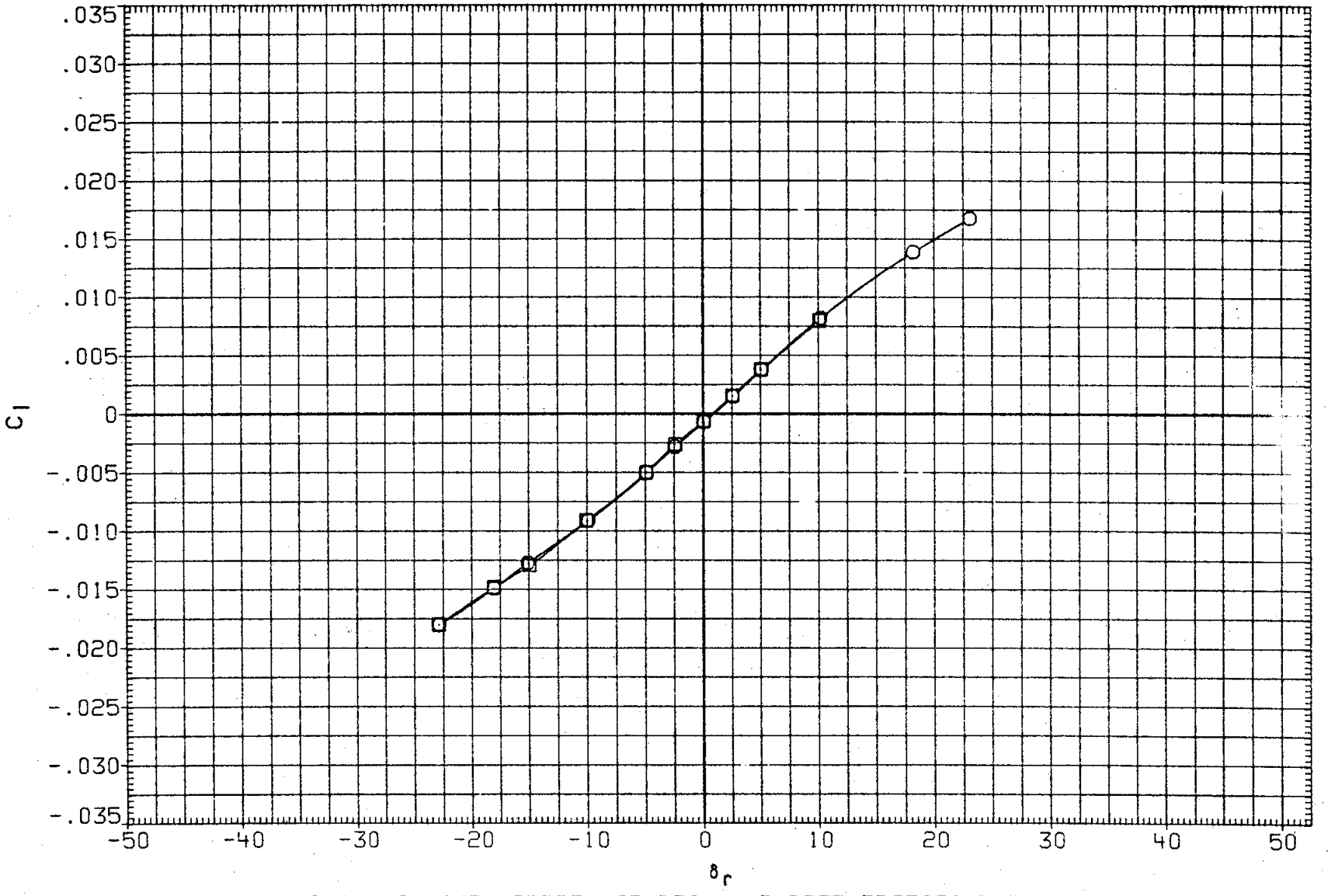


FIG. 76 SILTS ON VS. OFF, SPDBRK=25 DEG. RUDDER EFFECTIVENESS, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2QQG4	○	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	55.000	5.000	.000
R2QQG5	□	ARC 218-1-12 OA101 (OV102) NO SILTS, F.D. SEALED	.000	.000	.000	.000	55.000	5.000	.000

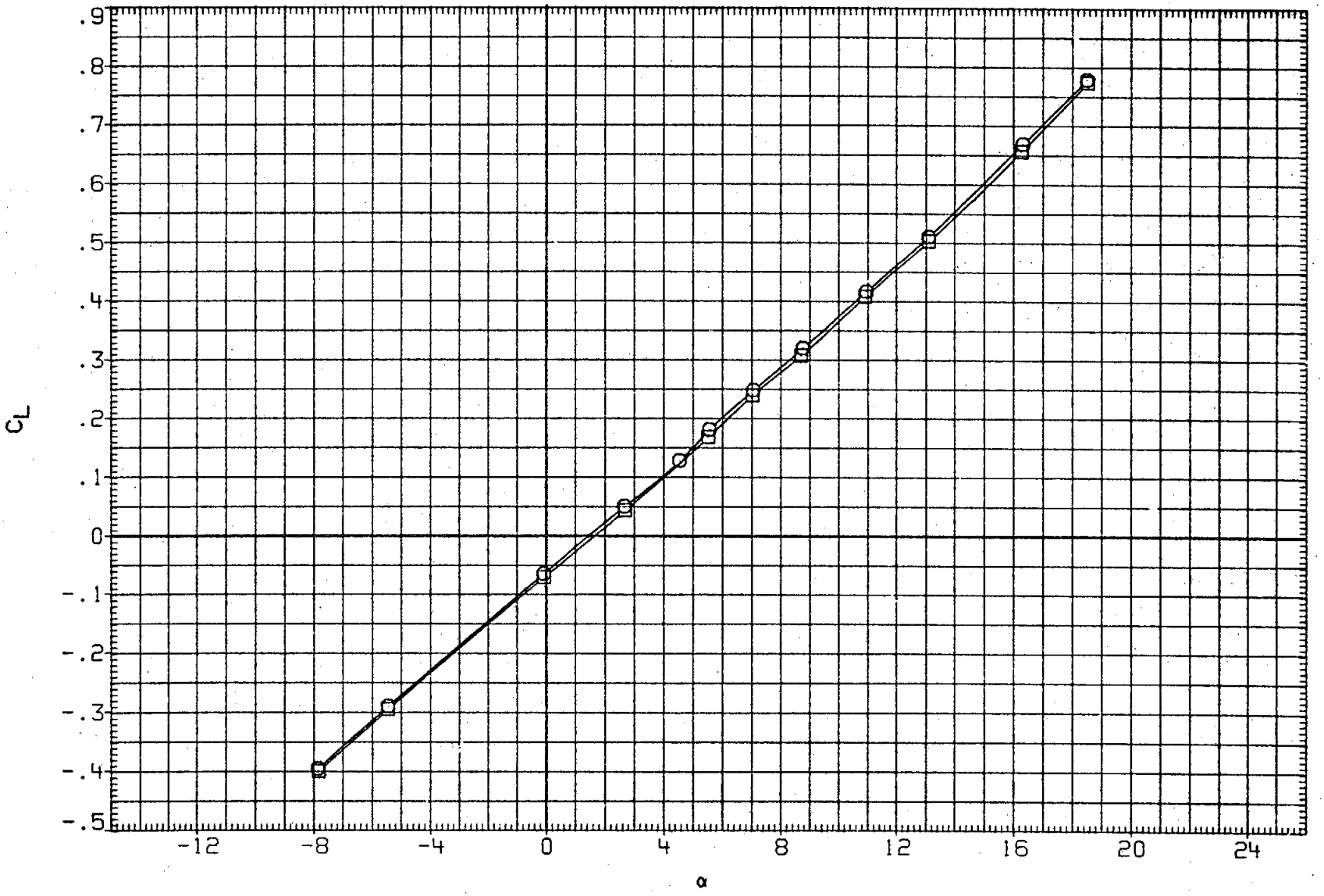


FIG. 77 AIR LEAKAGE CHECK, TAPED AND UNTAPED FLIPPER DOOR VENTS AND HINGELINES

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0G4	○	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	55.000	5.000	.000
R2Q0G5	□	ARC 218-1-12 OA101 (OV102) NO SILTS, F.D. SEALED	.000	.000	.000	.000	55.000	5.000	.000

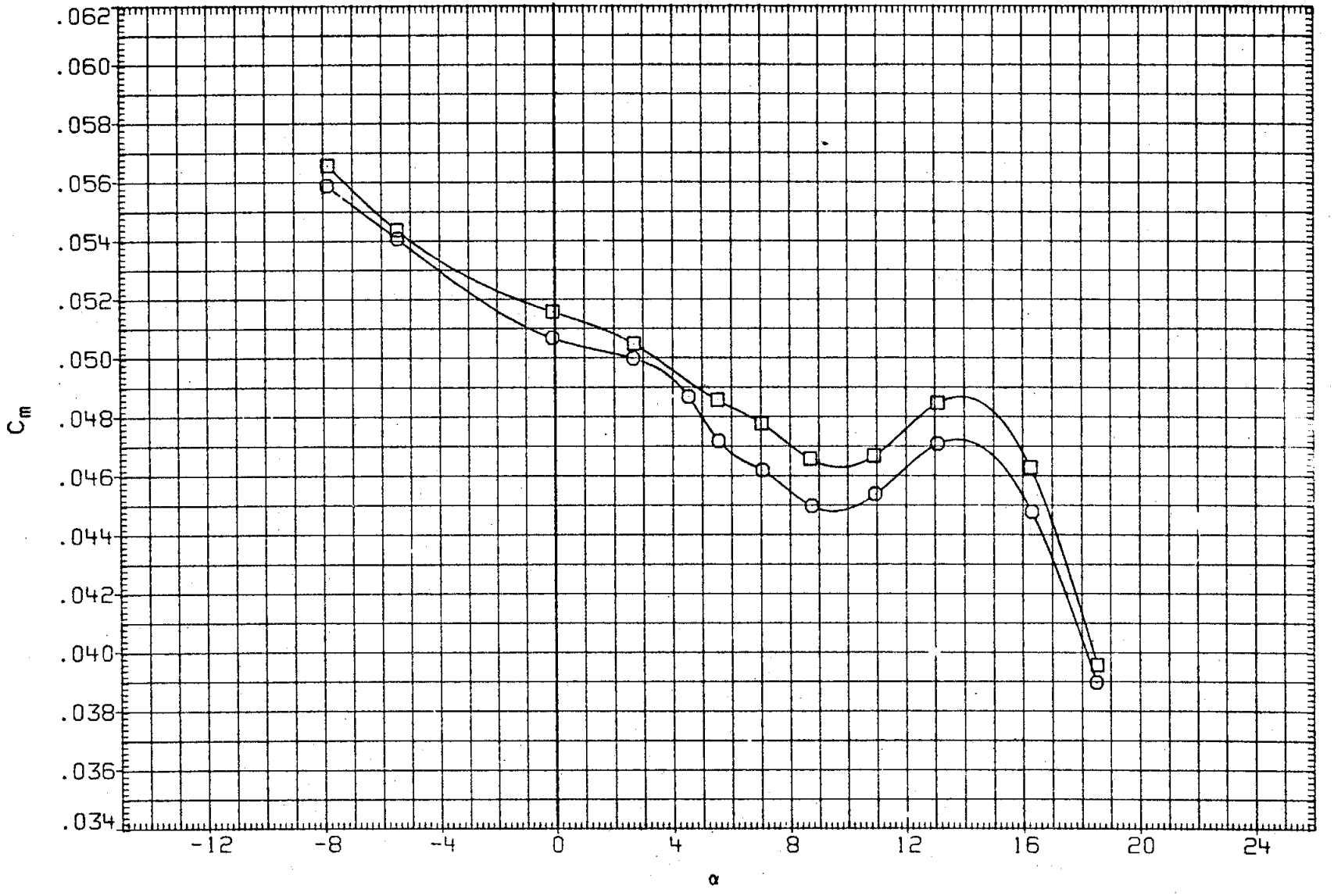


FIG. 77 AIR LEAKAGE CHECK, TAPED AND UNTAPED FLIPPER DOOR VENTS AND HINGELINES

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0G4	○	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	55.000	5.000	.000
R2Q0G5	□	ARC 218-1-12 0A101 (OV102) NO SILTS, F.D. SEALED	.000	.000	.000	.000	55.000	5.000	.000

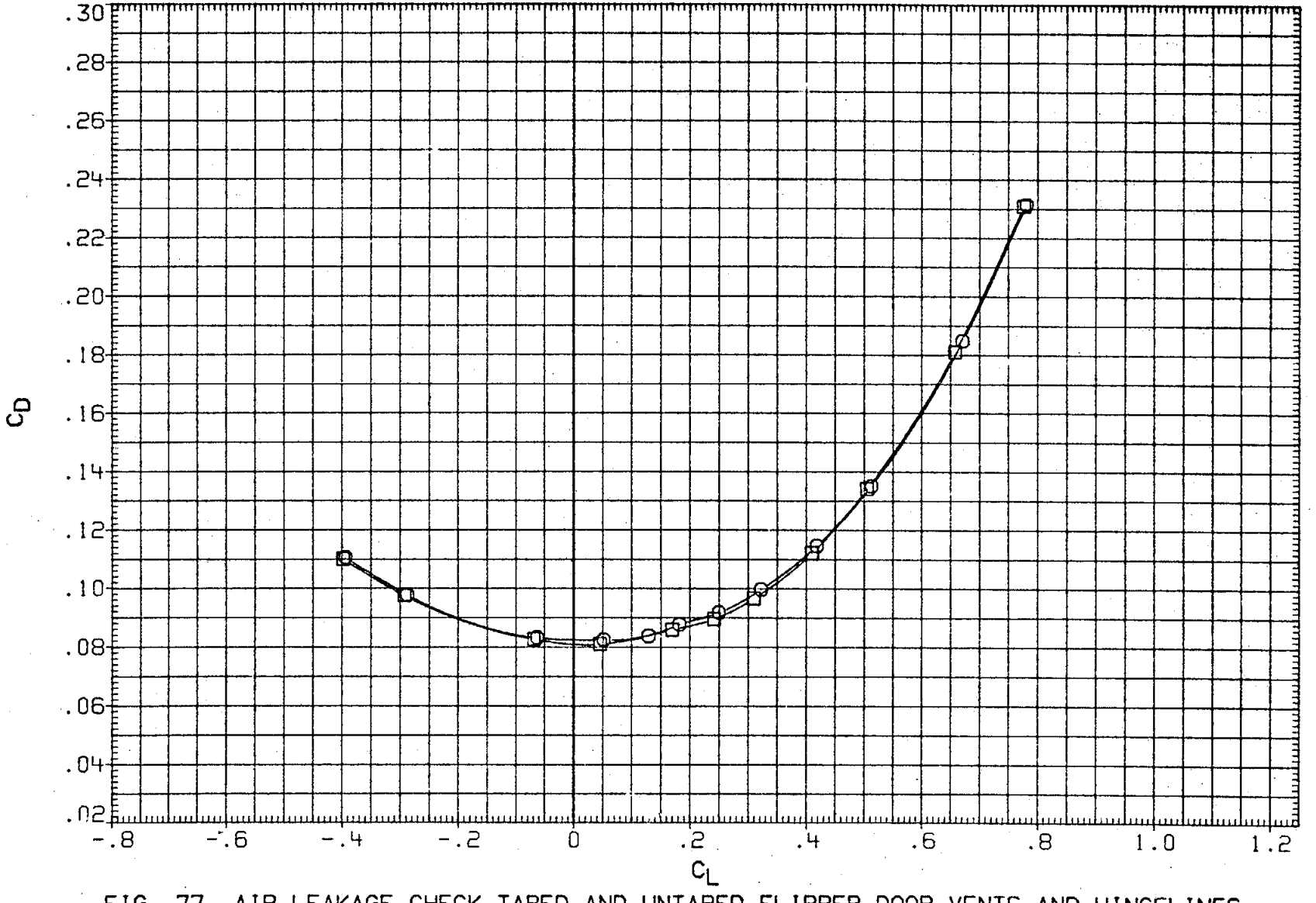


FIG. 77 AIR LEAKAGE CHECK, TAPED AND UNTAPED FLIPPER DOOR VENTS AND HINGELINES

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0G4	○	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	55.000	5.000	.000
R2Q0G5	□	ARC 218-1-12 OA101 (OV102) NO SILTS, F.D. SEALED	.000	.000	.000	.000	55.000	5.000	.000

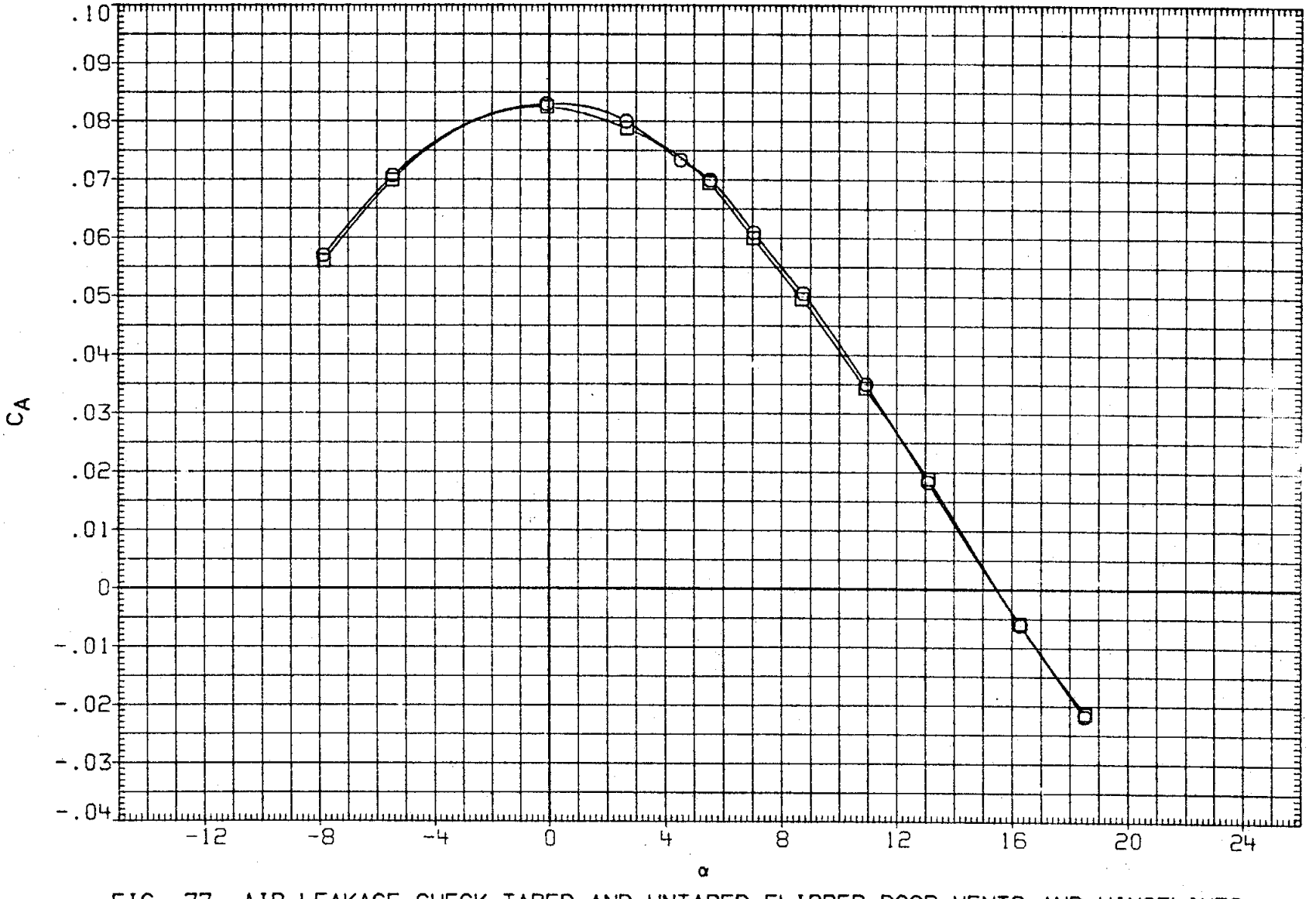


FIG. 77 AIR LEAKAGE CHECK, TAPED AND UNTAPED FLIPPER DOOR VENTS AND HINGELINES

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K2QQG5	○	ARC 218-1-12 0A101 (0V102) NO SILTS, F.C. SEALED	.000	.000	.000	.000	55.000	5.000	.000

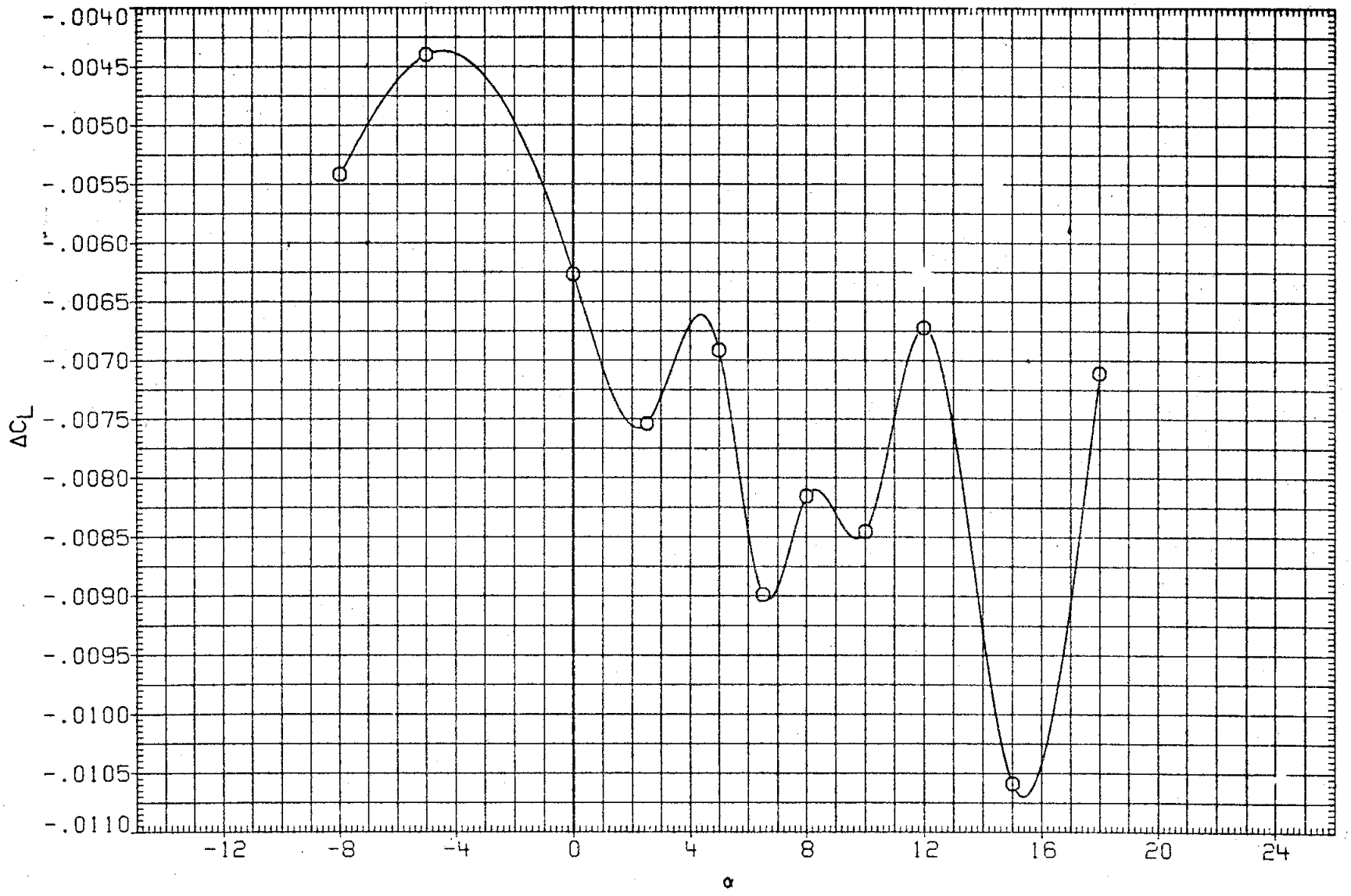


FIG. 77 AIR LEAKAGE CHECK, TAPED AND UNTAPED FLIPPER DOOR VENTS AND HINGELINES

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K2Q0G5	○	ARC 218-1-12 0A101 (0V102) NO SILTS, F.D. SEALED	.000	.000	.000	.000	55.000	5.000	.000

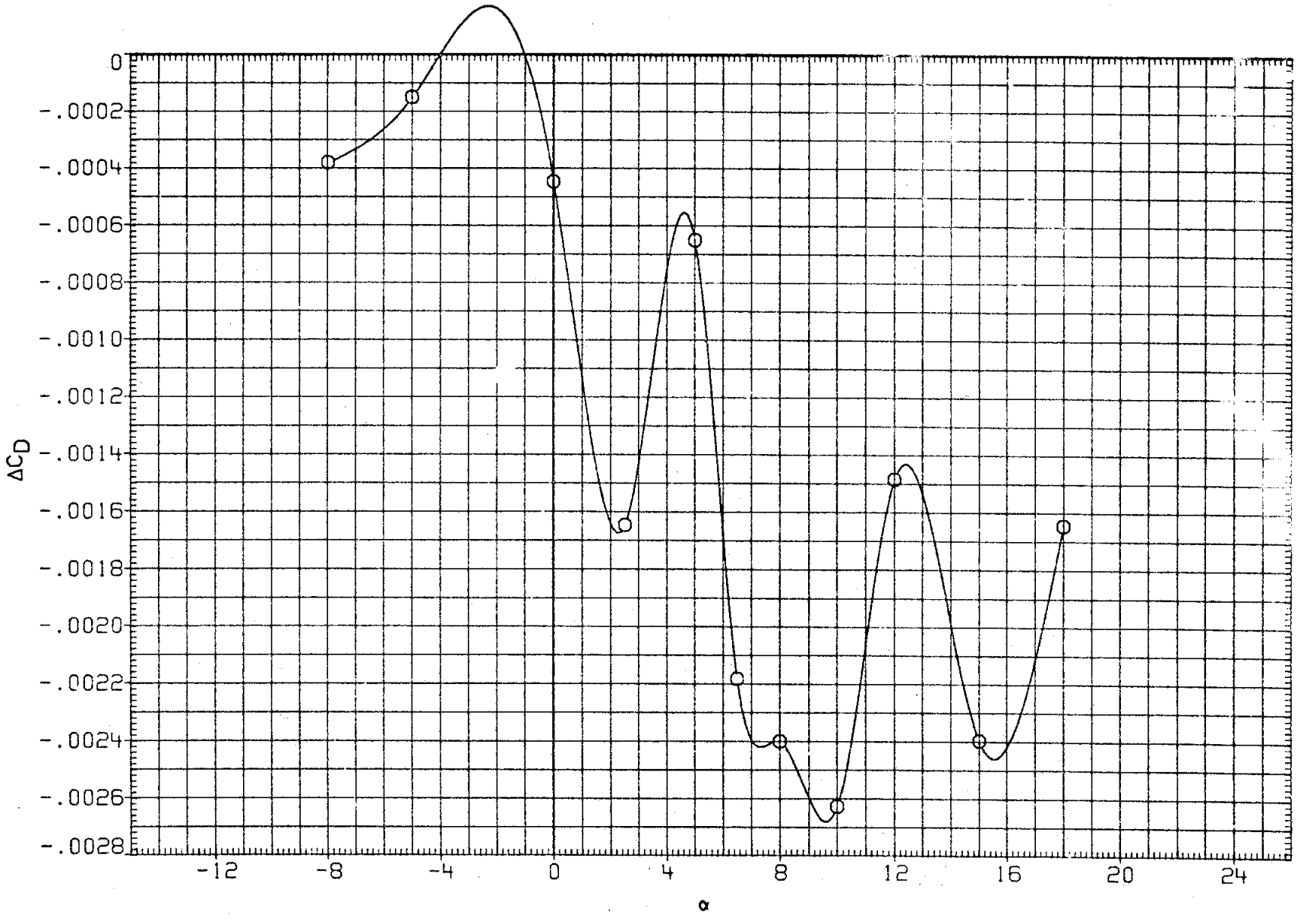


FIG. 77 AIR LEAKAGE CHECK, TAPED AND UNTAPED FLIPPER DOOR VENTS AND HINGELINES

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K200G5	O	ARC 218-1-12 0A101 (0V102) NO SILTS, F.D. SEALED	.000	.000	.000	.000	55.000	5.000	.000

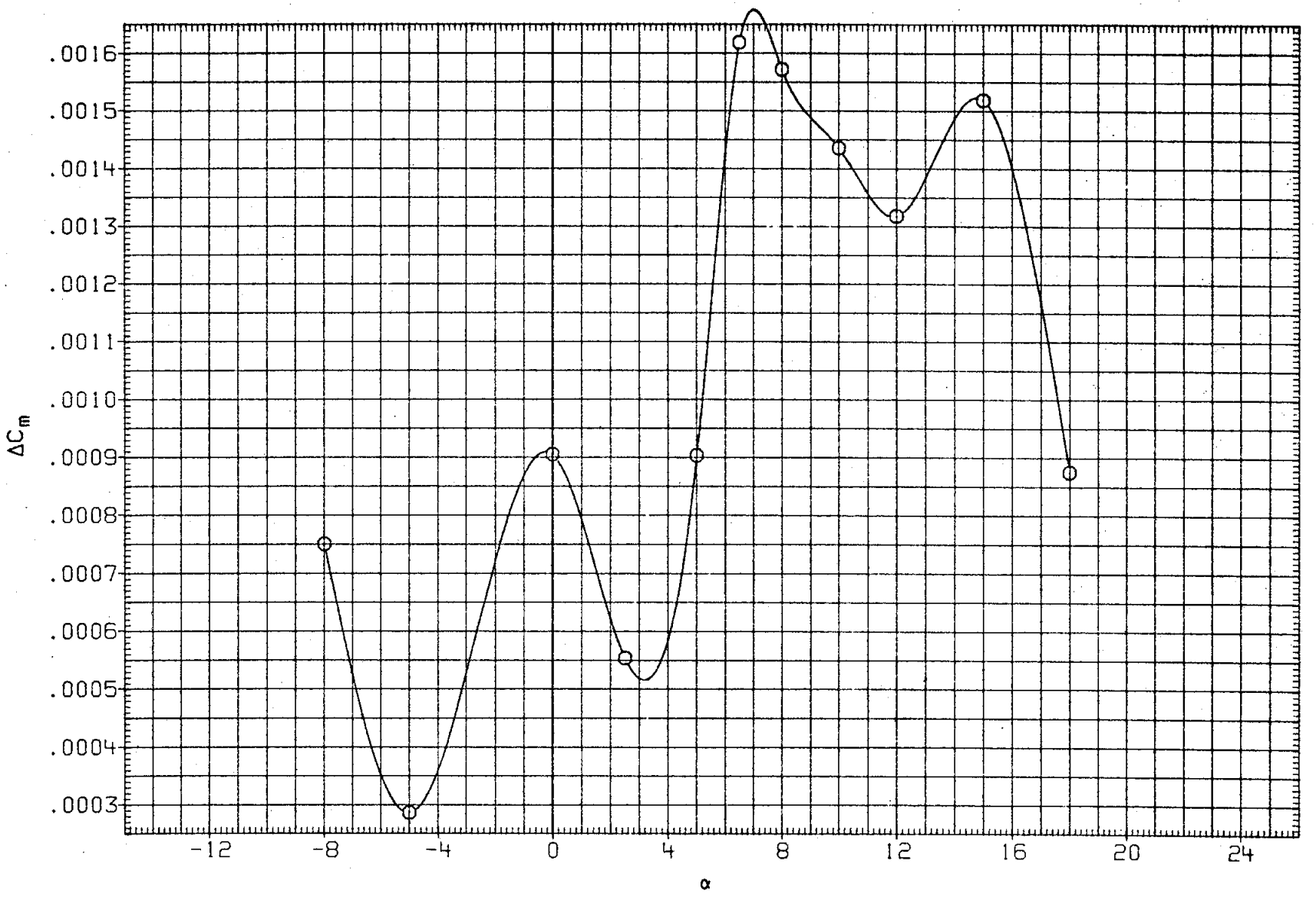


FIG. 77 AIR LEAKAGE CHECK, TAPED AND UNTAPED FLIPPER DOOR VENTS AND HINGELINES

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K2Q0G5	O	ARC 218-1-12 0A101 (0V102) NO SILTS, F.D. SEALED	.000	.000	.000	.000	55.000	5.000	.000

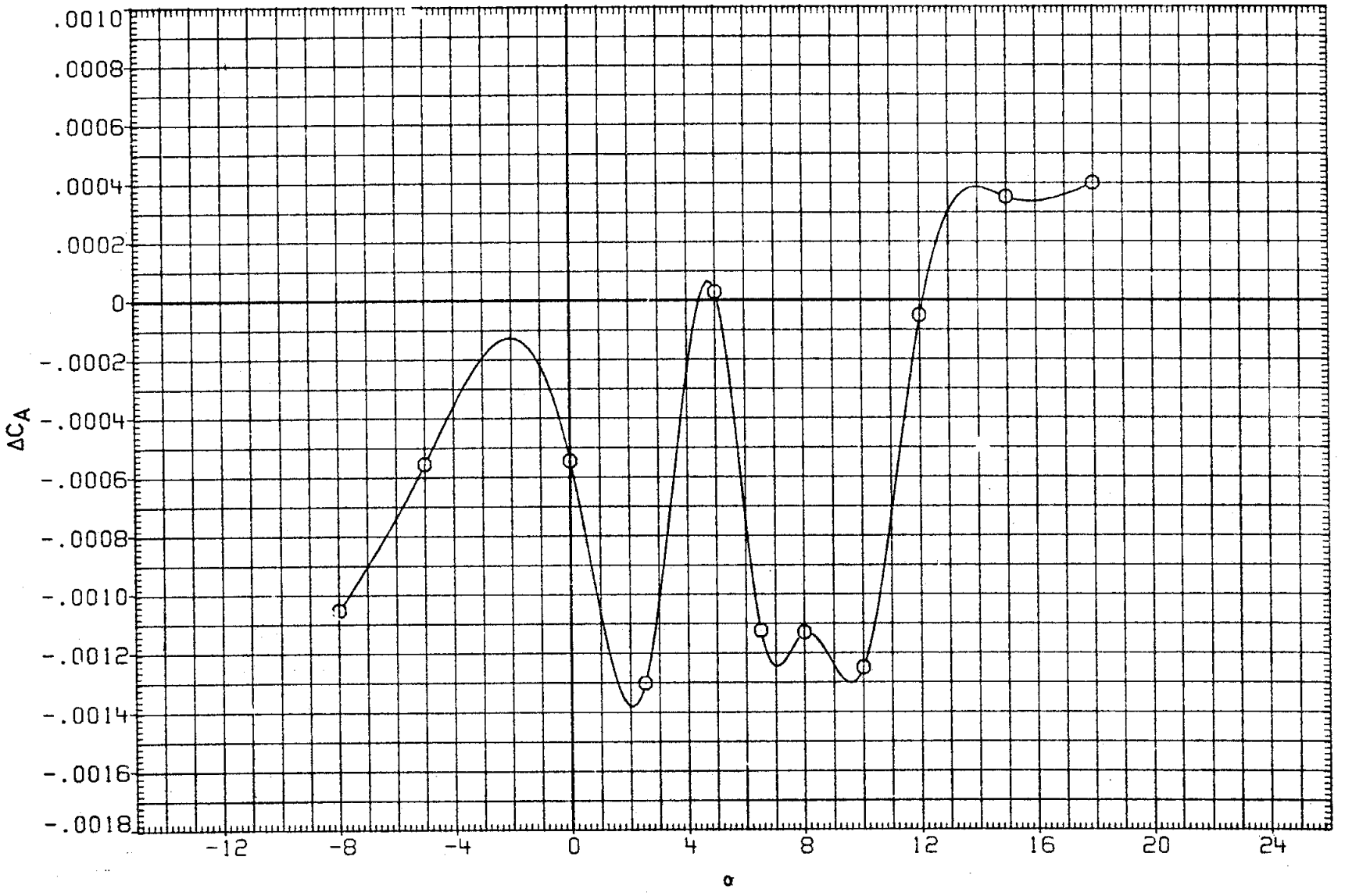


FIG. 77 AIR LEAKAGE CHECK, TAPED AND UNTAPED FLIPPER DOOR VENTS AND HINGELINES

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0H1	○	ARC 218-1-12 (OV102), NO SILTS POD	.000	4.500	.000	.000	.000	4.500	.000
R2Q0H2	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	.000	4.500	.000
R2Q0H3	◇	ARC 218-1-12 (OV102), NO SILTS POD	.000	-5.000	.000	.000	.000	4.500	.000

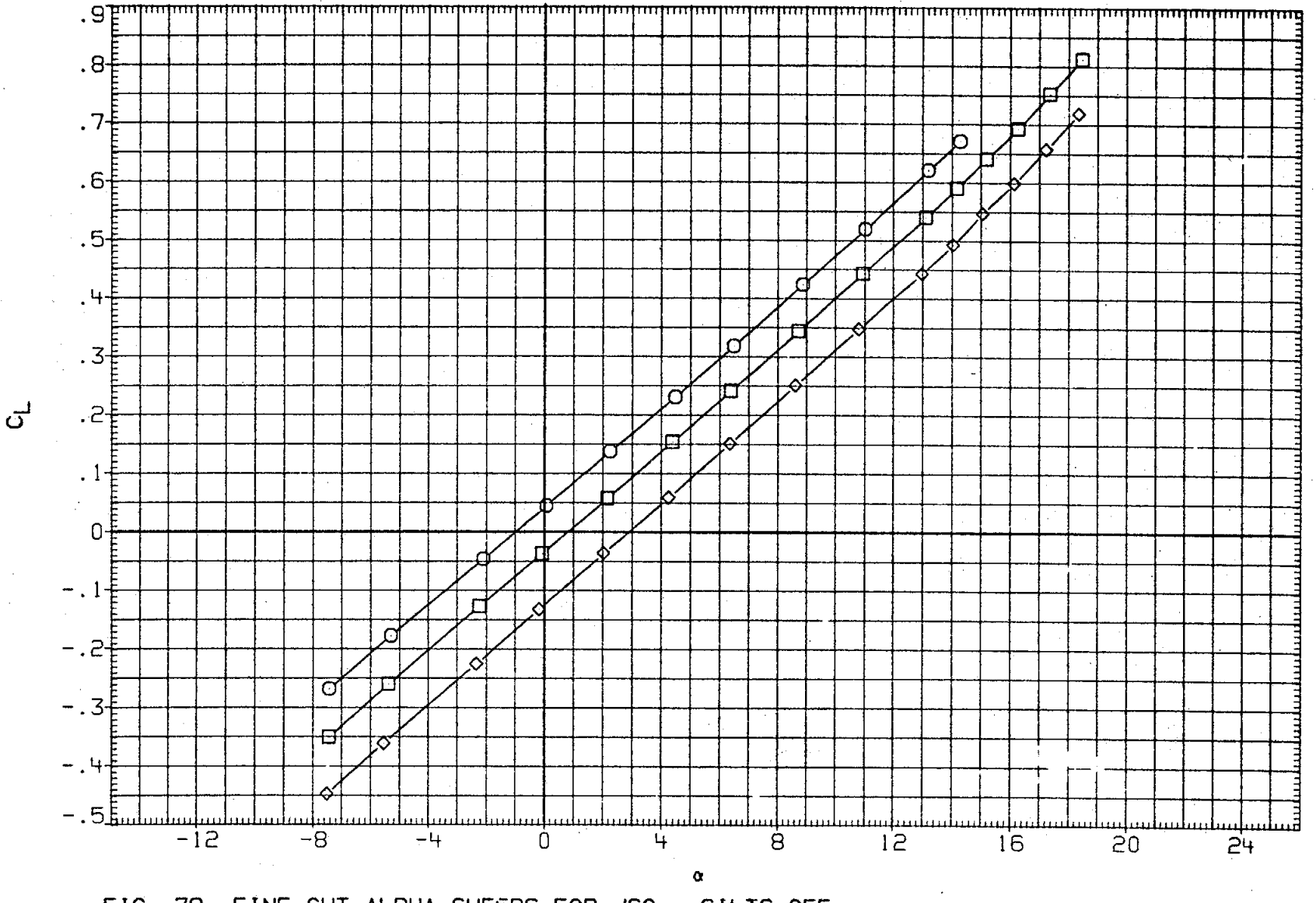


FIG. 78 FINE-CUT-ALPHA-SWEEPS FOR JSC - SILTS OFF

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0H1	○	ARC 218-1-12 (OV102), NO SILTS POD	.000	4.500	.000	.000	.000	4.500	.000
R2Q0H2	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	.000	4.500	.000
R2Q0H3	◇	ARC 218-1-12 (OV102), NO SILTS POD	.000	-5.000	.000	.000	.000	4.500	.000

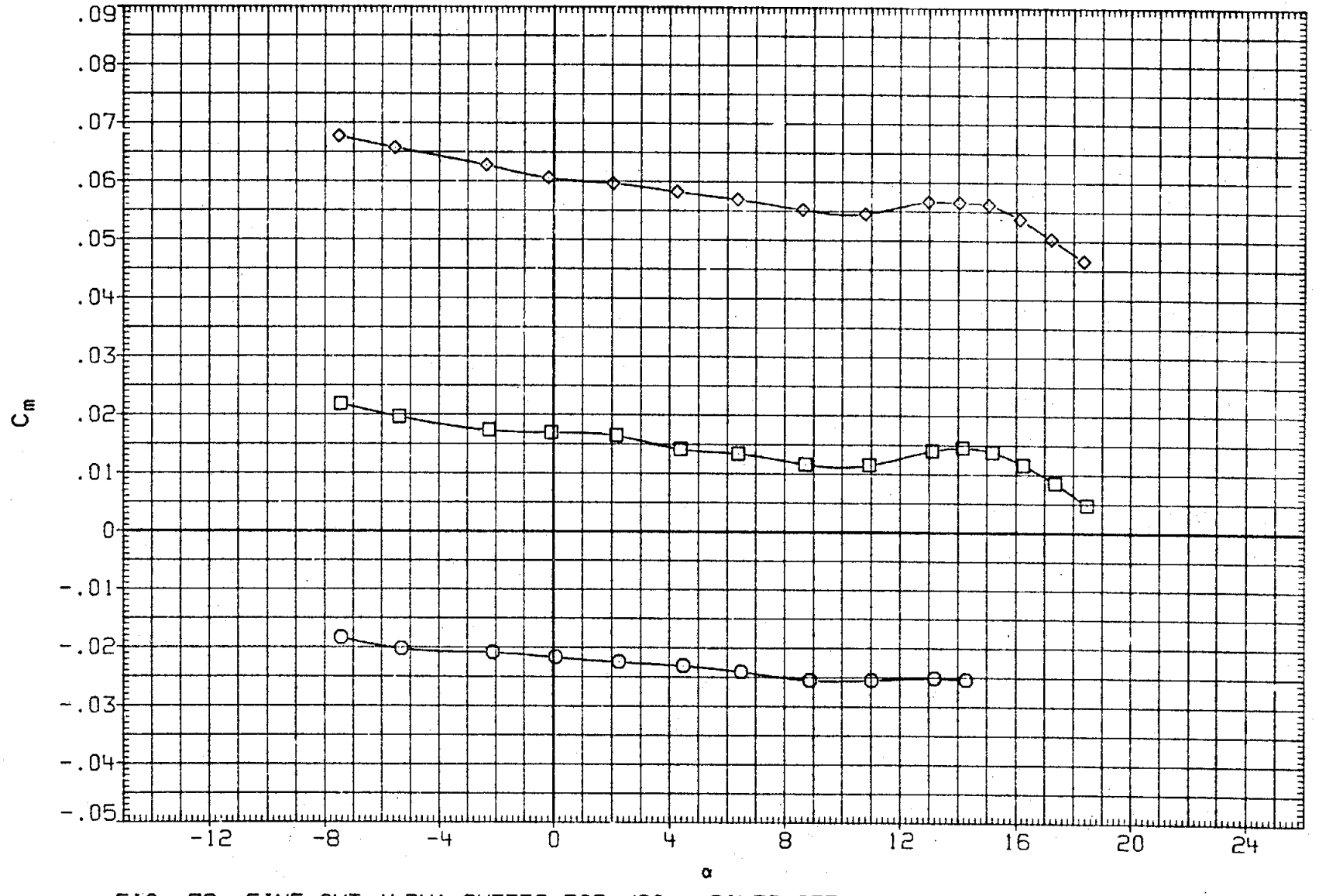


FIG. 78 FINE-CUT-ALPHA-SWEEPS FOR JSC - SILTS OFF

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0H1	○	ARC 218-1-12 (OV102), NO SILTS POD	.000	4.500	.000	.000	.000	4.500	.000
R2Q0H2	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	.000	4.500	.000
R2Q0H3	◇	ARC 218-1-12 (OV102), NO SILTS POD	.000	-5.000	.000	.000	.000	4.500	.000

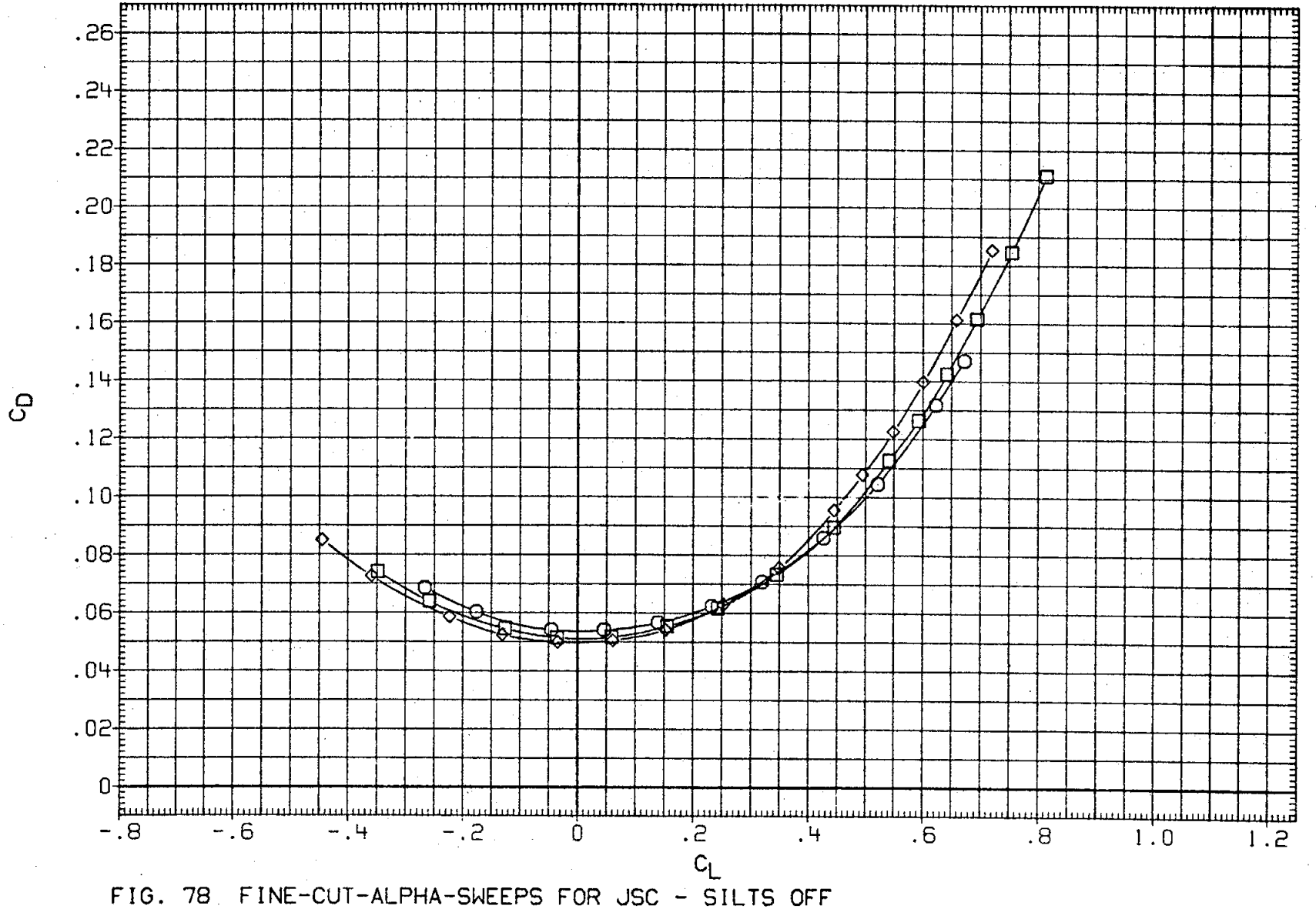


FIG. 78 FINE-CUT-ALPHA-SWEEPS FOR JSC - SILTS OFF

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0H1	○	ARC 218-1-12 (OV102), NO SILTS POD	.000	4.500	.000	.000	.000	4.500	.000
R2Q0H2	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	.000	4.500	.000
R2Q0H3	◇	ARC 218-1-12 (OV102), NO SILTS POD	.000	-5.000	.000	.000	.000	4.500	.000

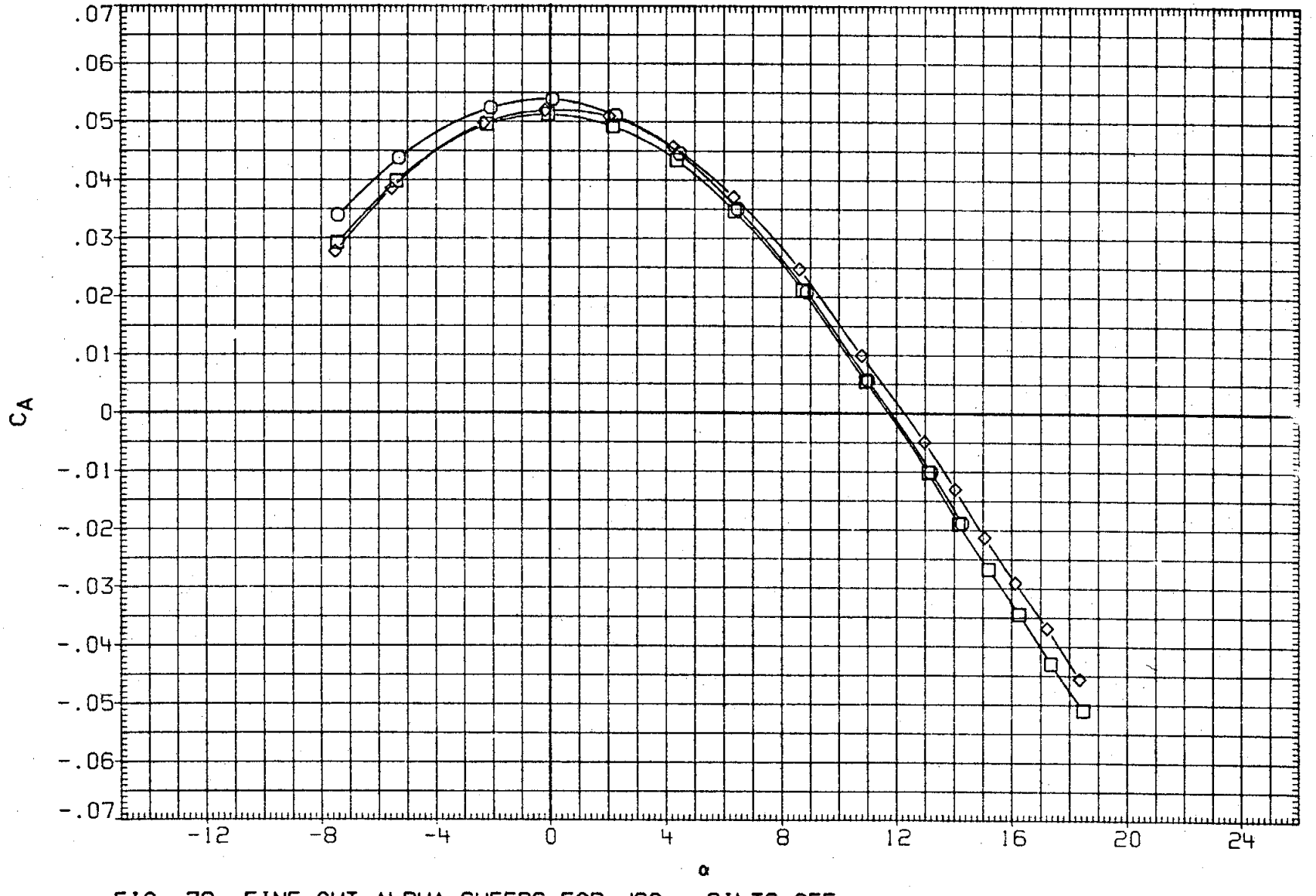


FIG. 78 FINE-CUT-ALPHA-SWEEPS FOR JSC - SILTS OFF

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0H1	○	ARC 218-1-12 (OV102), NO SILTS POD	.000	4.500	.000	.000	.000	4.500	.000
R2Q0H2	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	.000	4.500	.000
R2Q0H3	◇	ARC 218-1-12 (OV102), NO SILTS POD	.000	-5.000	.000	.000	.000	4.500	.000

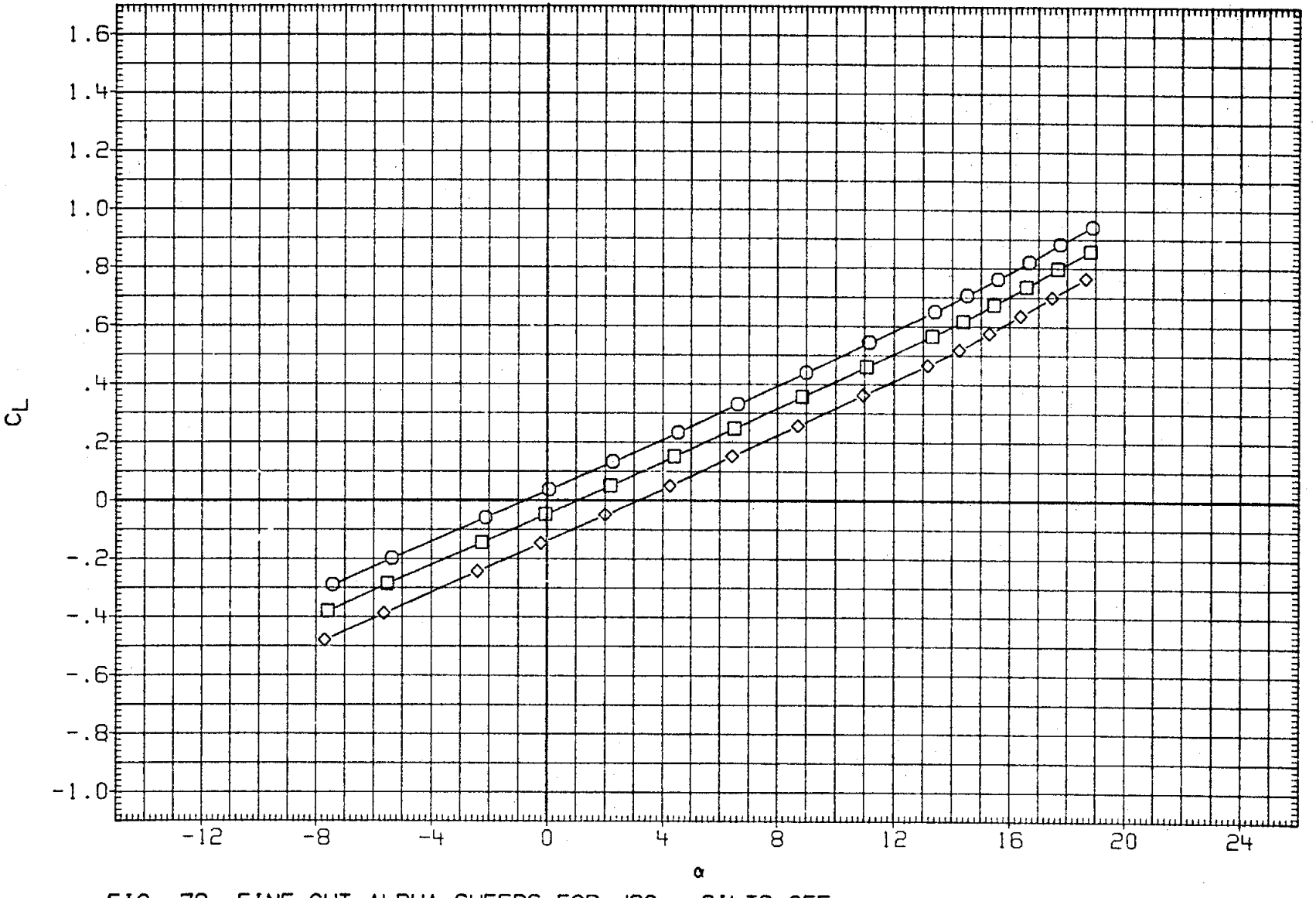


FIG. 78 FINE-CUT-ALPHA-SWEEPS FOR JSC - SILTS OFF

(B)MACH = .40

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0H1	○	ARC 218-1-12 (OV102), NO SILTS POD	.000	4.500	.000	.000	.000	4.500	.000
R2Q0H2	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	.000	4.500	.000
R2Q0H3	◇	ARC 218-1-12 (OV102), NO SILTS POD	.000	-5.000	.000	.000	.000	4.500	.000

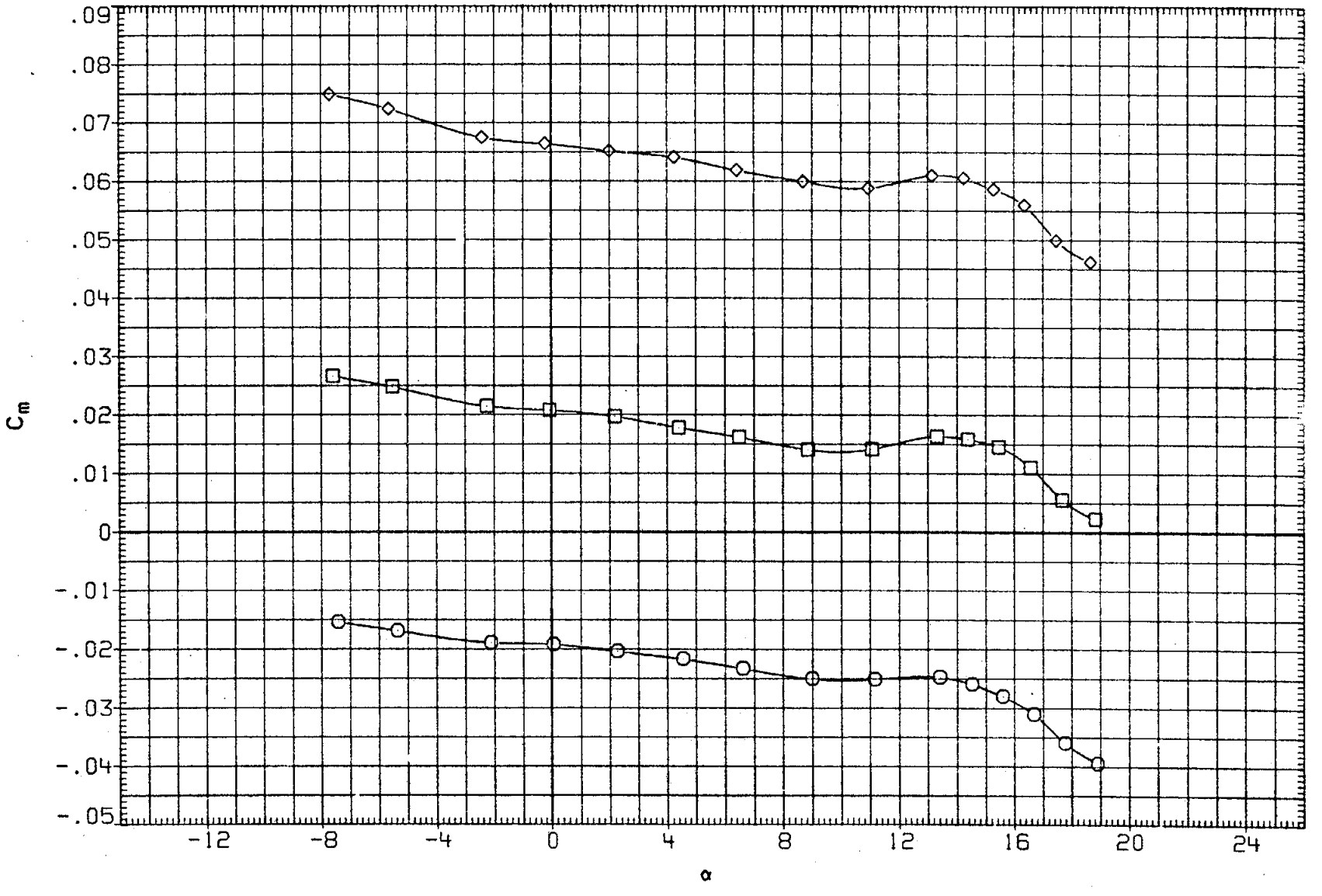


FIG. 78 FINE-CUT-ALPHA-SWEEPS FOR JSC - SILTS OFF

(B)MACH = .40

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RN/L	RUDDER
R2Q0H1	○	ARC 218-1-12 (OV102), NO SILTS POD	.000	4.500	.000	.000	.000	4.500	.000
R2Q0H2	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	.000	4.500	.000
R2Q0H3	◇	ARC 218-1-12 (OV102), NO SILTS POD	.000	-5.000	.000	.000	.000	4.500	.000

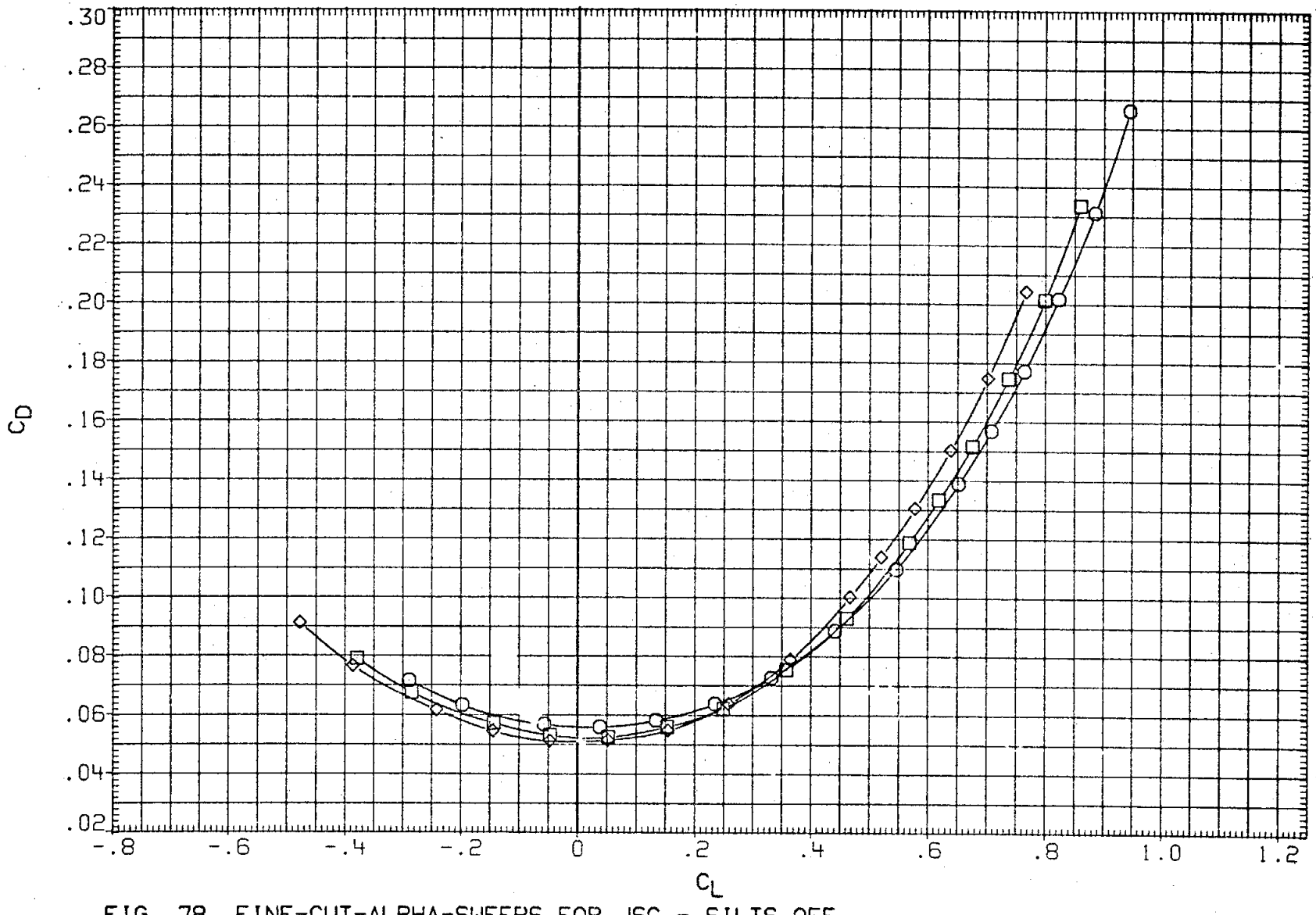


FIG. 78 FINE-CUT-ALPHA-SWEEPS FOR JSC - SILTS OFF

(B)MACH = .40

DATA SET	SYMBOL	CONFIGURATION	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
R2Q0H1	○	ARC 218-1-12 (OV102), NO SILTS POD	.000	4.500	.000	.000	.000	4.500	.000
R2Q0H2	□	ARC 218-1-12 (OV102), NO SILTS POD	.000	.000	.000	.000	.000	4.500	.000
R2Q0H3	◇	ARC 218-1-12 (OV102), NO SILTS POD	.000	-5.000	.000	.000	.000	4.500	.000

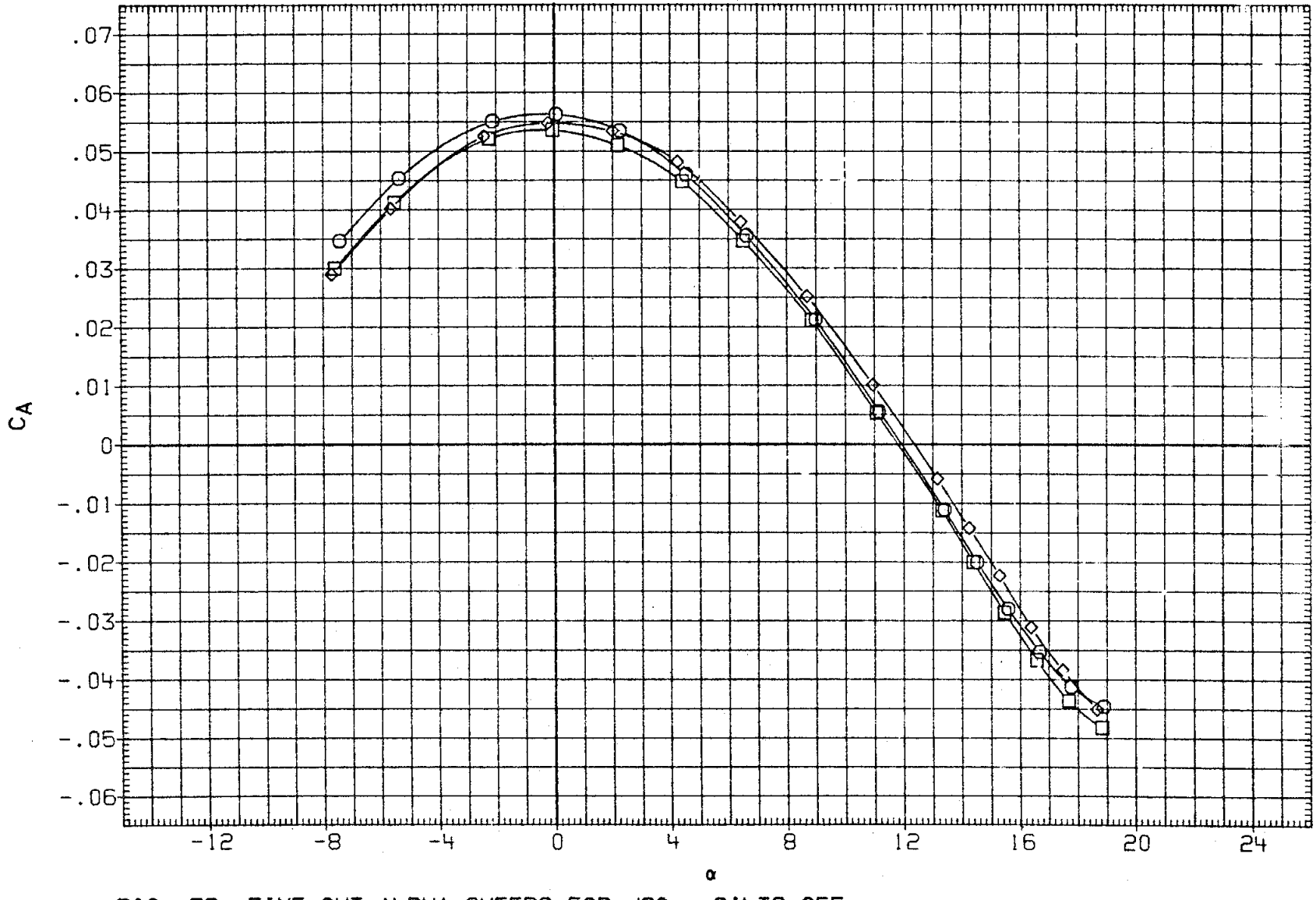


FIG. 78 FINE-CUT-ALPHA-SWEEPS FOR JSC - SILTS OFF

(B)MACH = .40

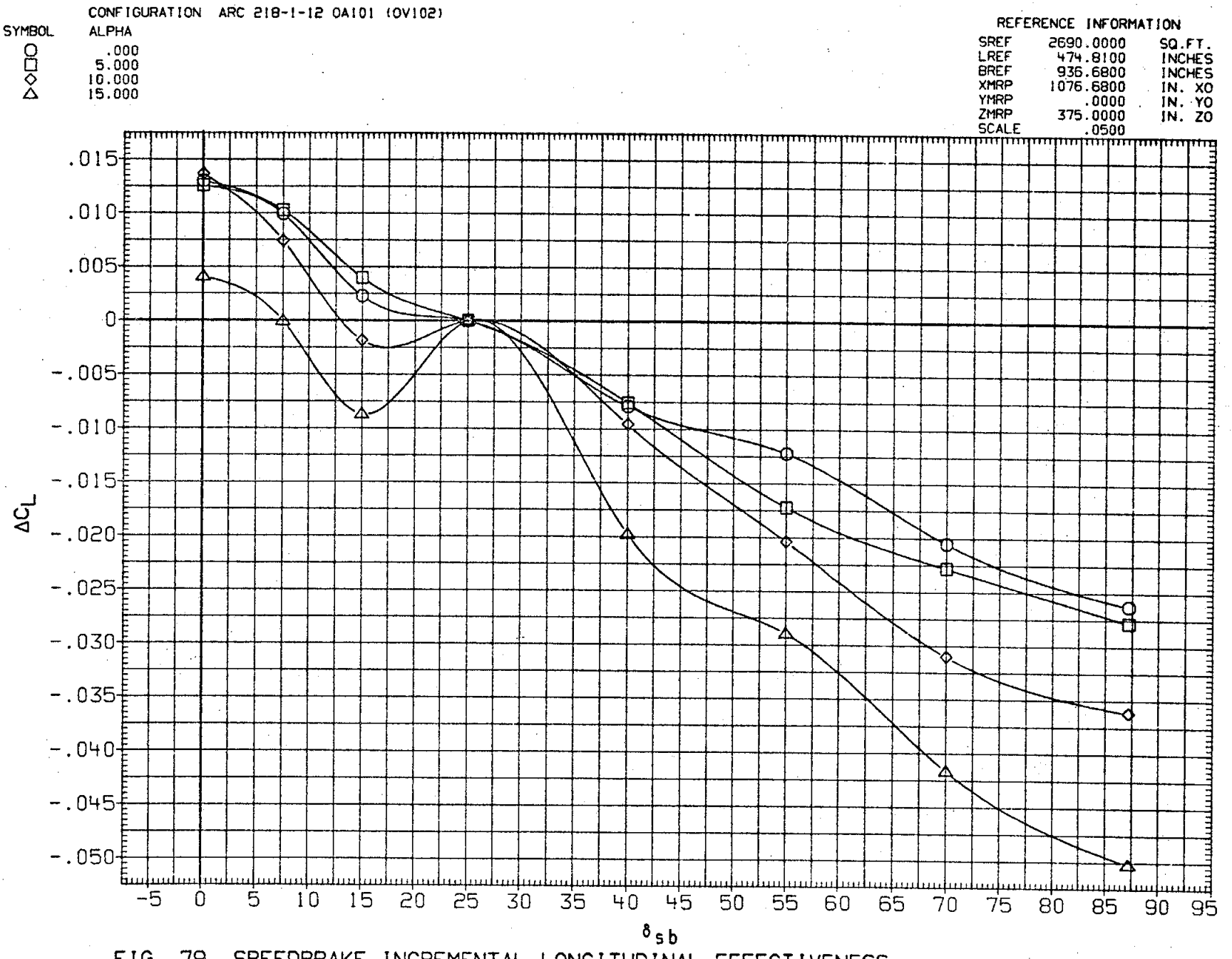


FIG. 79 SPEEDBRAKE INCREMENTAL LONGITUDINAL EFFECTIVENESS

(A)MACH = .25

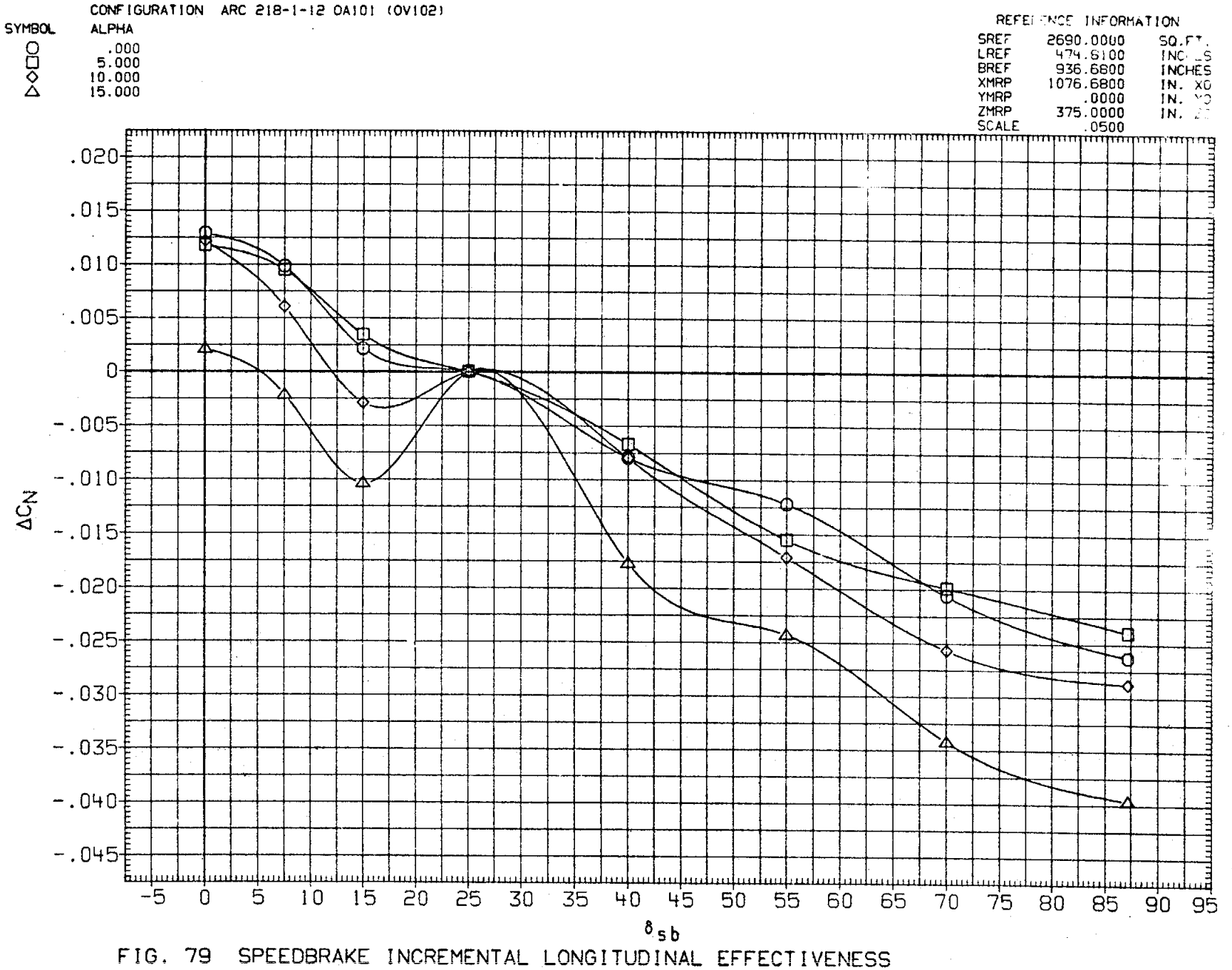


FIG. 79 SPEEDBRAKE INCREMENTAL LONGITUDINAL EFFECTIVENESS

(A)MACH = .25

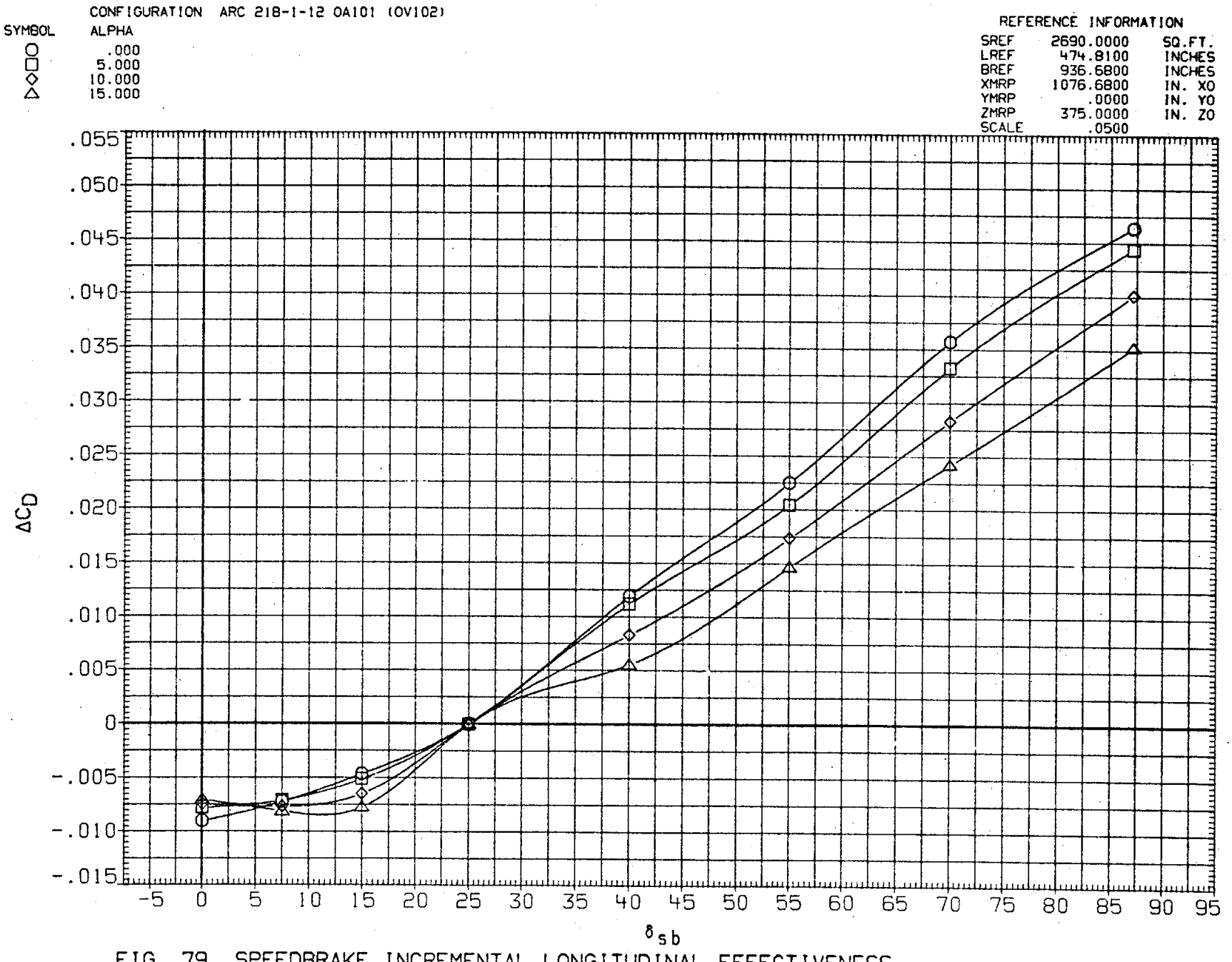


FIG. 79 SPEEDBRAKE INCREMENTAL LONGITUDINAL EFFECTIVENESS

(A)MACH = .25

CONFIGURATION ARC 218-1-12 0A101 (0V102)

SYMBOL	ALPHA
○	.000
□	5.000
◇	10.000
△	15.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	INCHES
BREF	936.6800	INCHES
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0500	

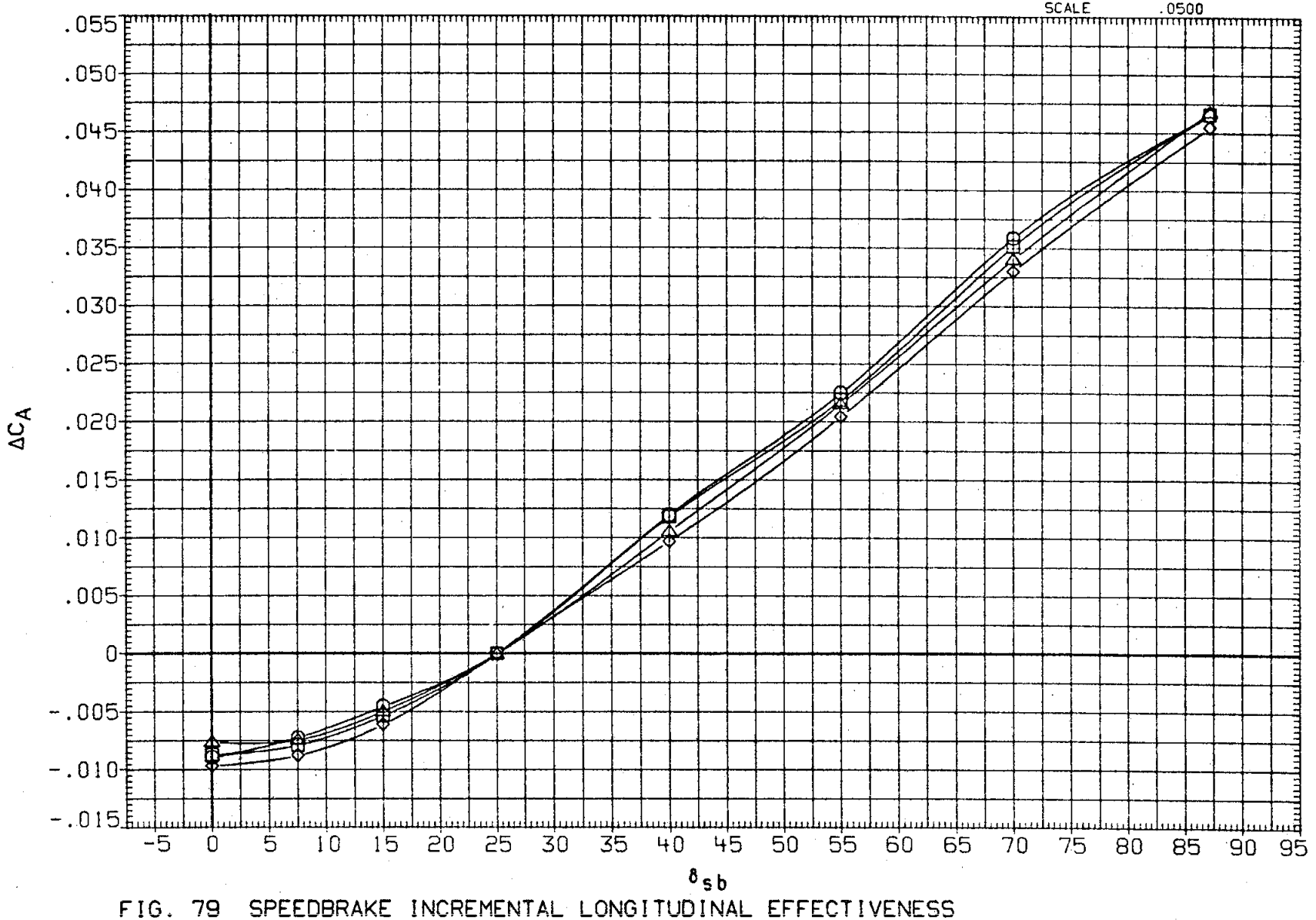


FIG. 79 SPEEDBRAKE INCREMENTAL LONGITUDINAL EFFECTIVENESS

(A)MACH = .25

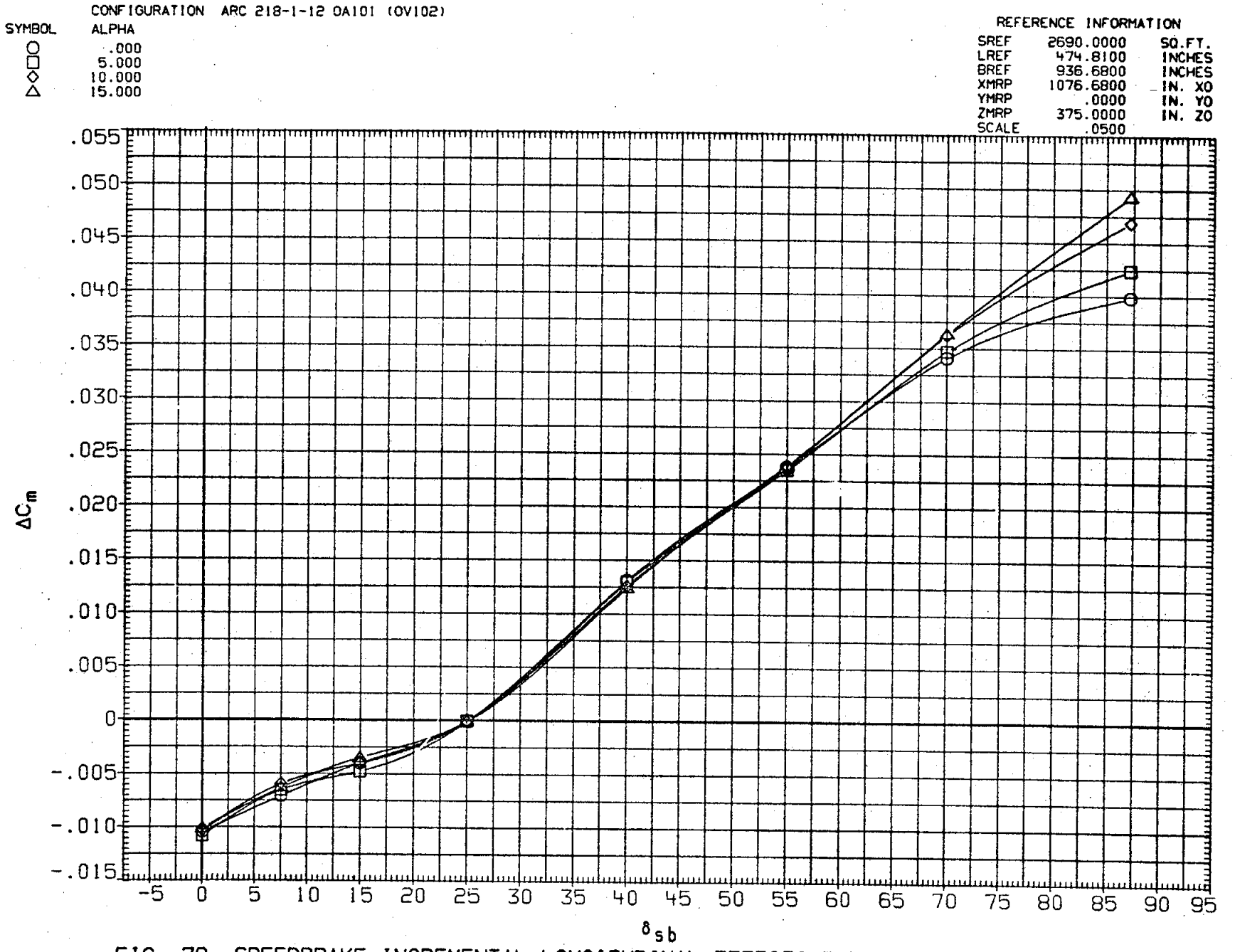


FIG. 79 SPEEDBRAKE INCREMENTAL LONGITUDINAL EFFECTIVENESS

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K2Q059	○	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	.000	8.000	.000
K2Q097	□	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	55.000	8.000	.000
K2Q088	◇	ARC 218-1-12 OA101 (OV102)	.000	.000	.000	.000	87.200	8.000	.000

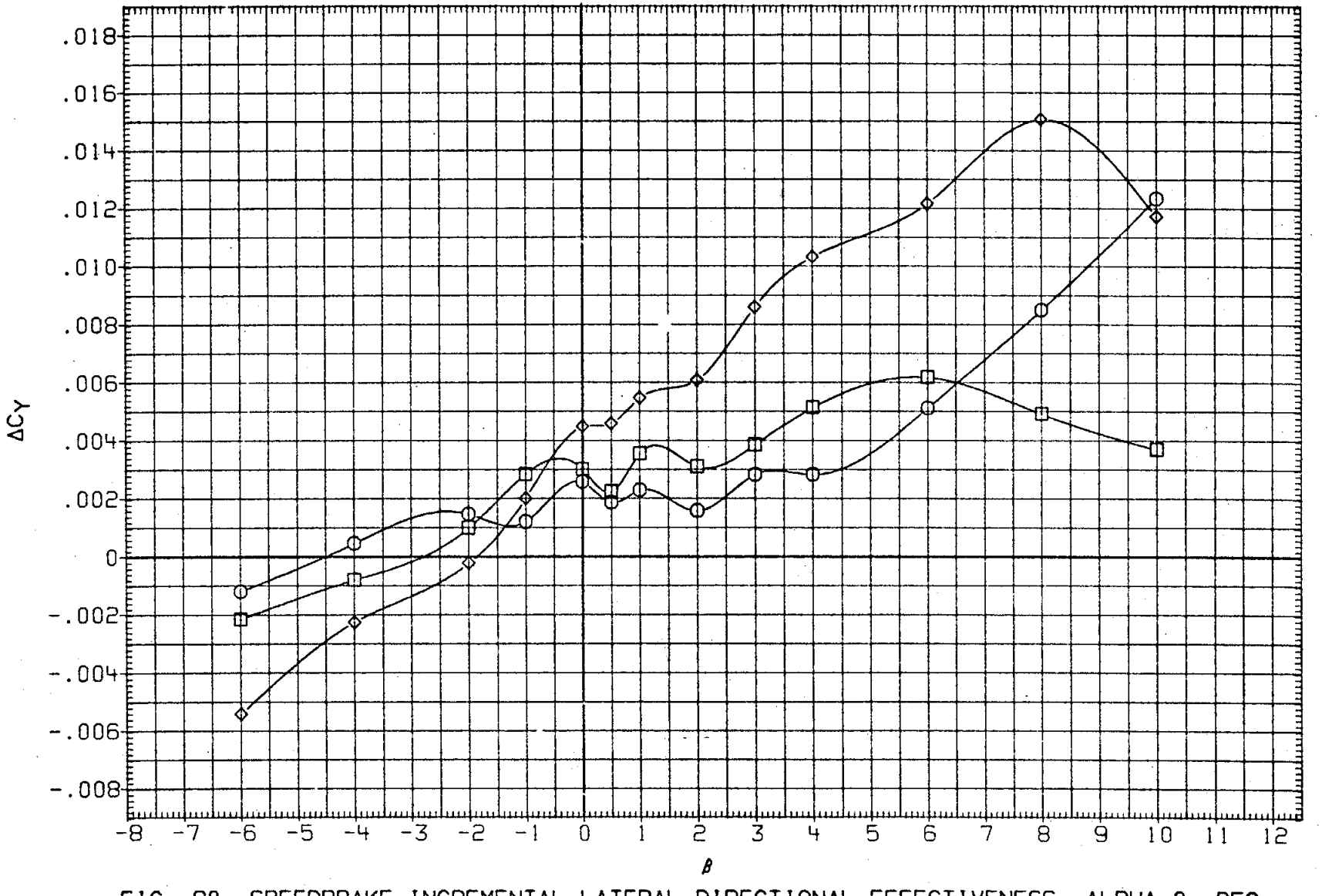


FIG. 80 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=0 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K2Q059	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	.000	8.000	.000
K2Q097	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	55.000	8.000	.000
K2Q088	◇	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	87.200	8.000	.000

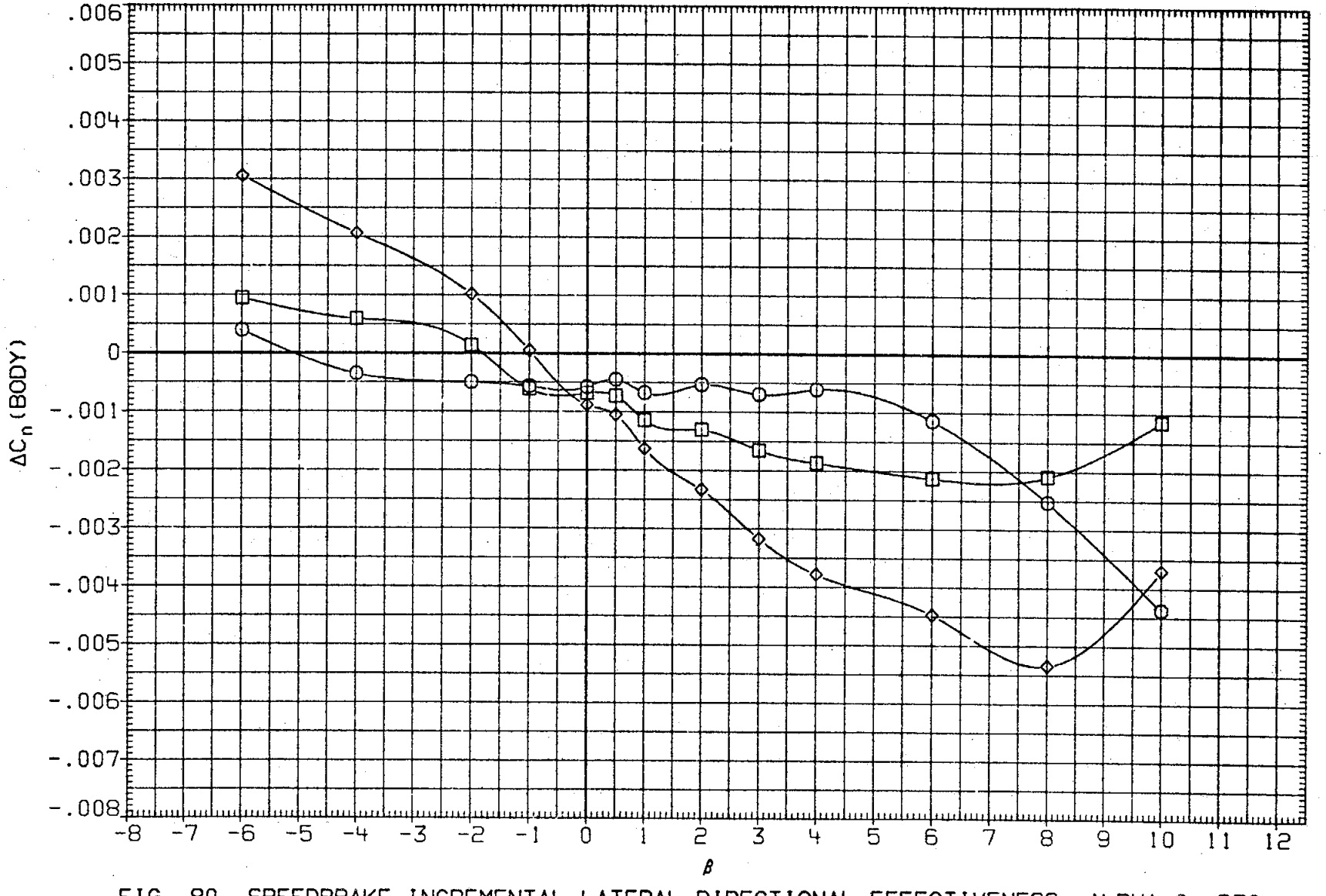


FIG. 80 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=0 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K2Q059	○	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	.000	8.000	.000
K2Q097	□	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	55.000	8.000	.000
K2Q088	◇	ARC 218-1-12 0A101 (0V102)	.000	.000	.000	.000	87.200	8.000	.000

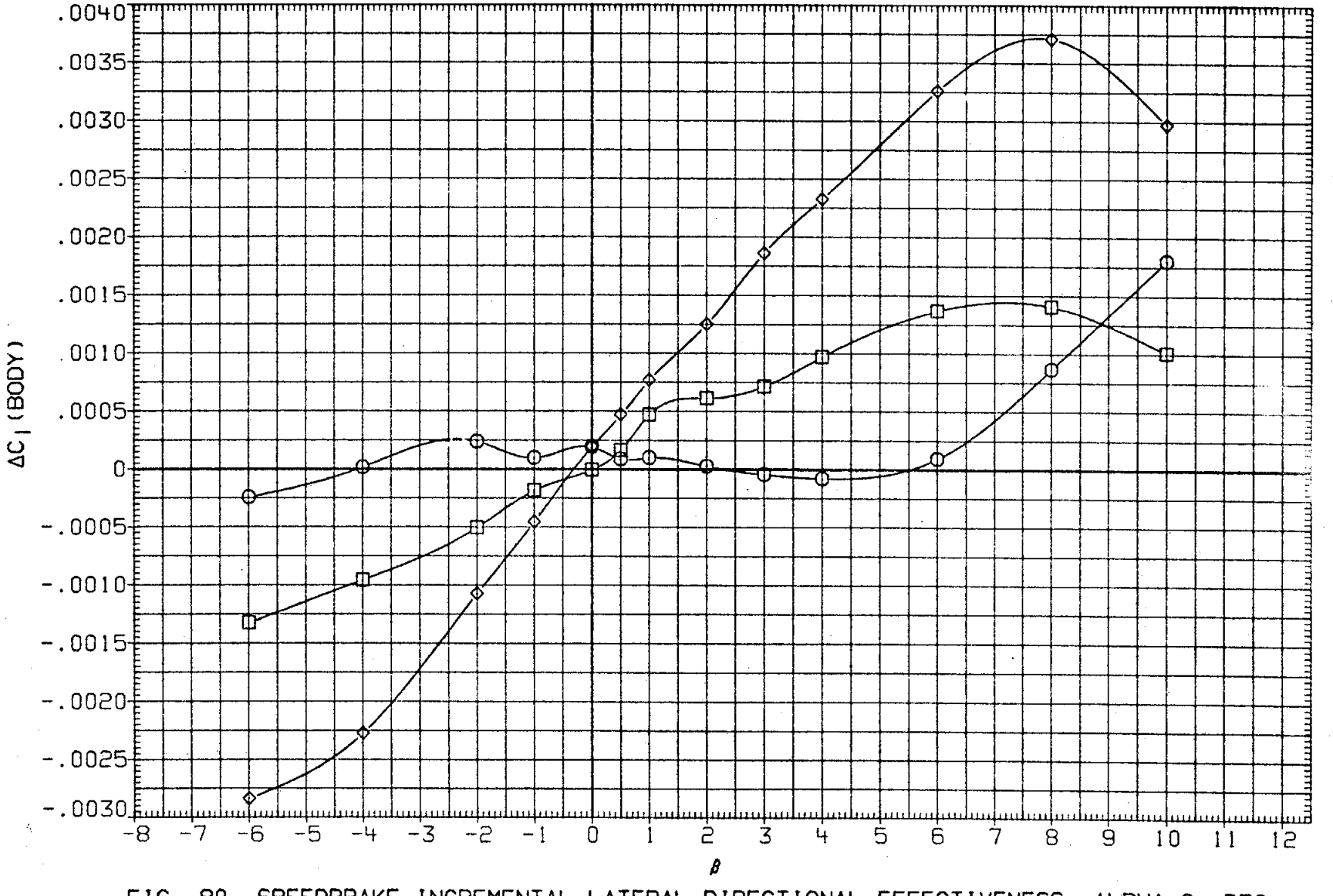


FIG. 80 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=0 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K2Q060	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	.000	8.000	.000
K2Q076	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	7.500	5.000	.000
K2Q082	◇	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	15.000	5.000	.000
K2Q090	△	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	40.000	5.000	.000

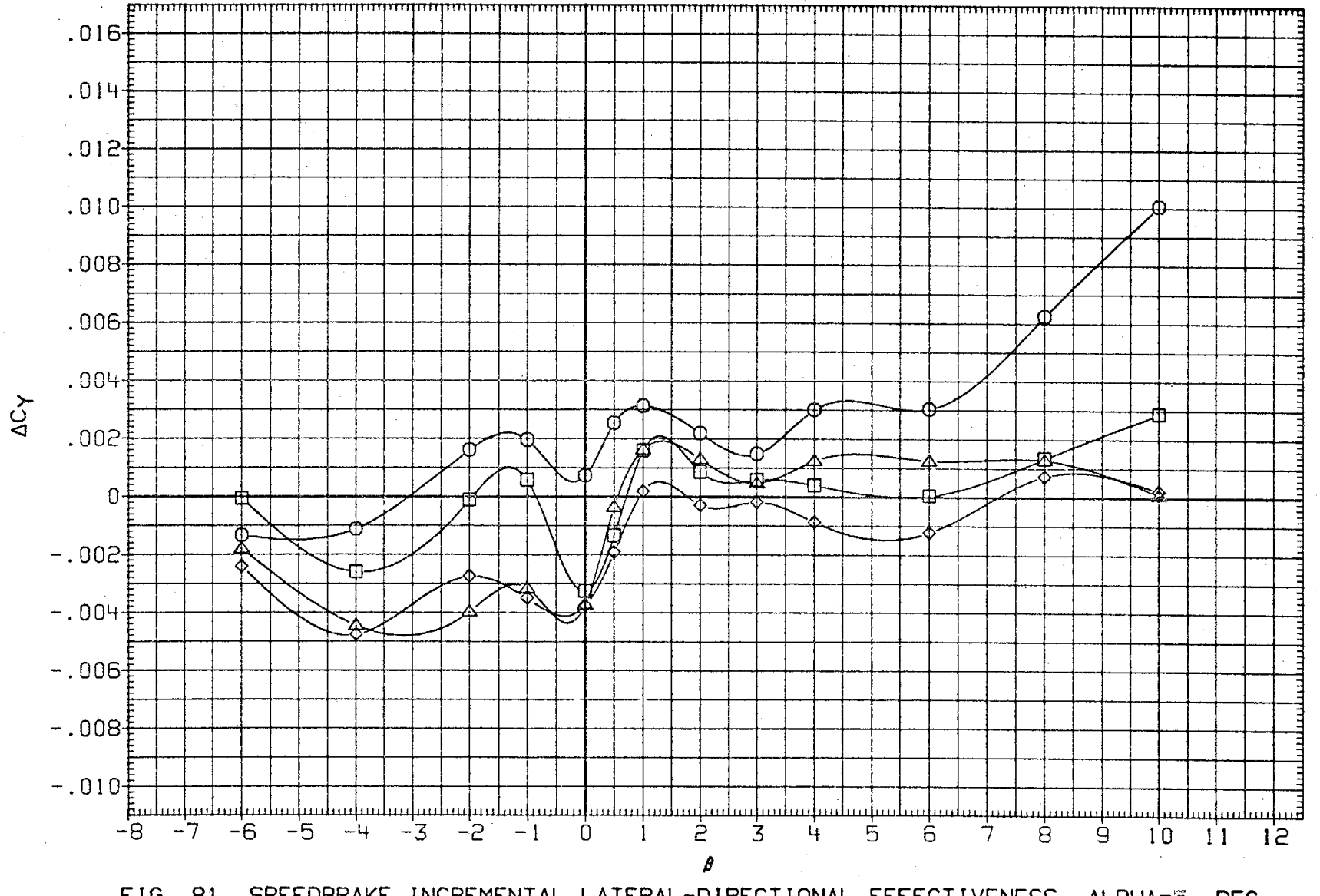


FIG. 81 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	[illegible]
K20060	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	8.000	.000
K20076	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	7.500	5.000	.000
K20082	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	15.000	5.000	.000
K20090	△	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	40.000	5.000	.000

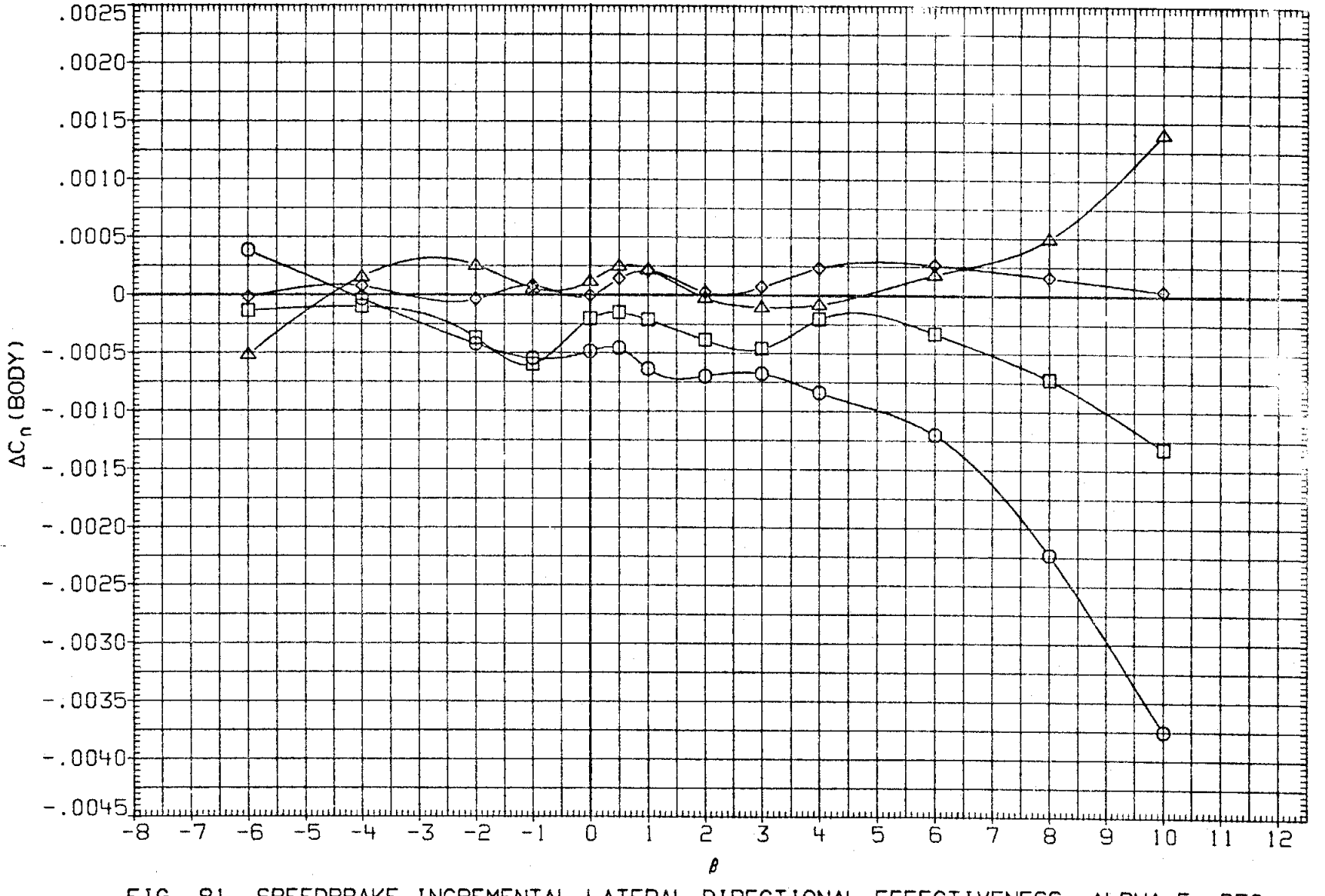


FIG. 81 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K2Q060	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	.000	8.000	.000
K2Q076	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	7.500	5.000	.000
K2Q082	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	15.000	5.000	.000
K2Q090	△	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	40.000	5.000	.000

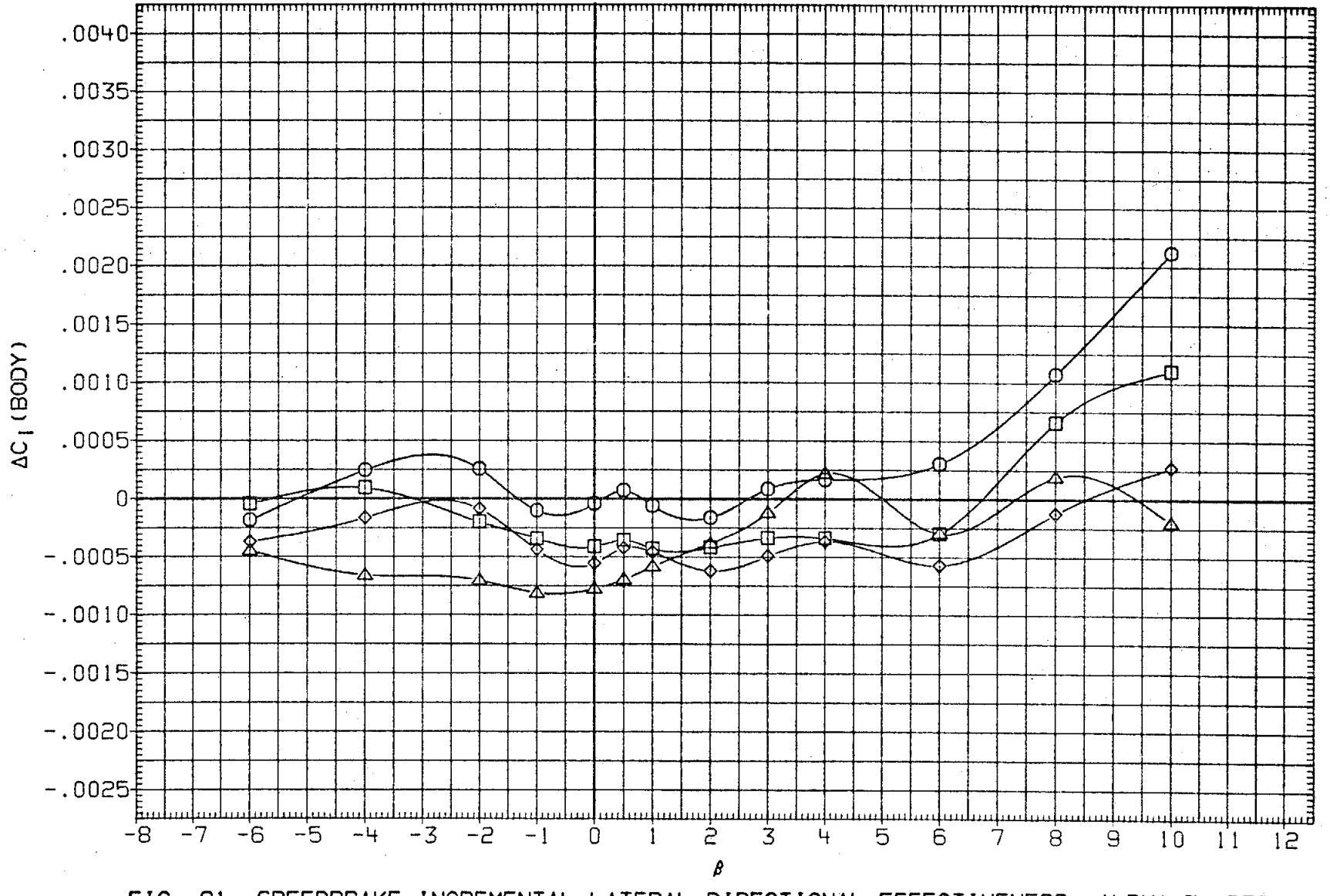


FIG. 81 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=5 DEG.

(A) MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	R/DDE
K2Q098	○	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	55.000	8.000	.000
K2Q080	□	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	70.000	5.000	.000
K2Q089	◇	ARC 218-1-12 0A101 (0V102)	5.000	.000	.000	.000	87.200	8.000	.000

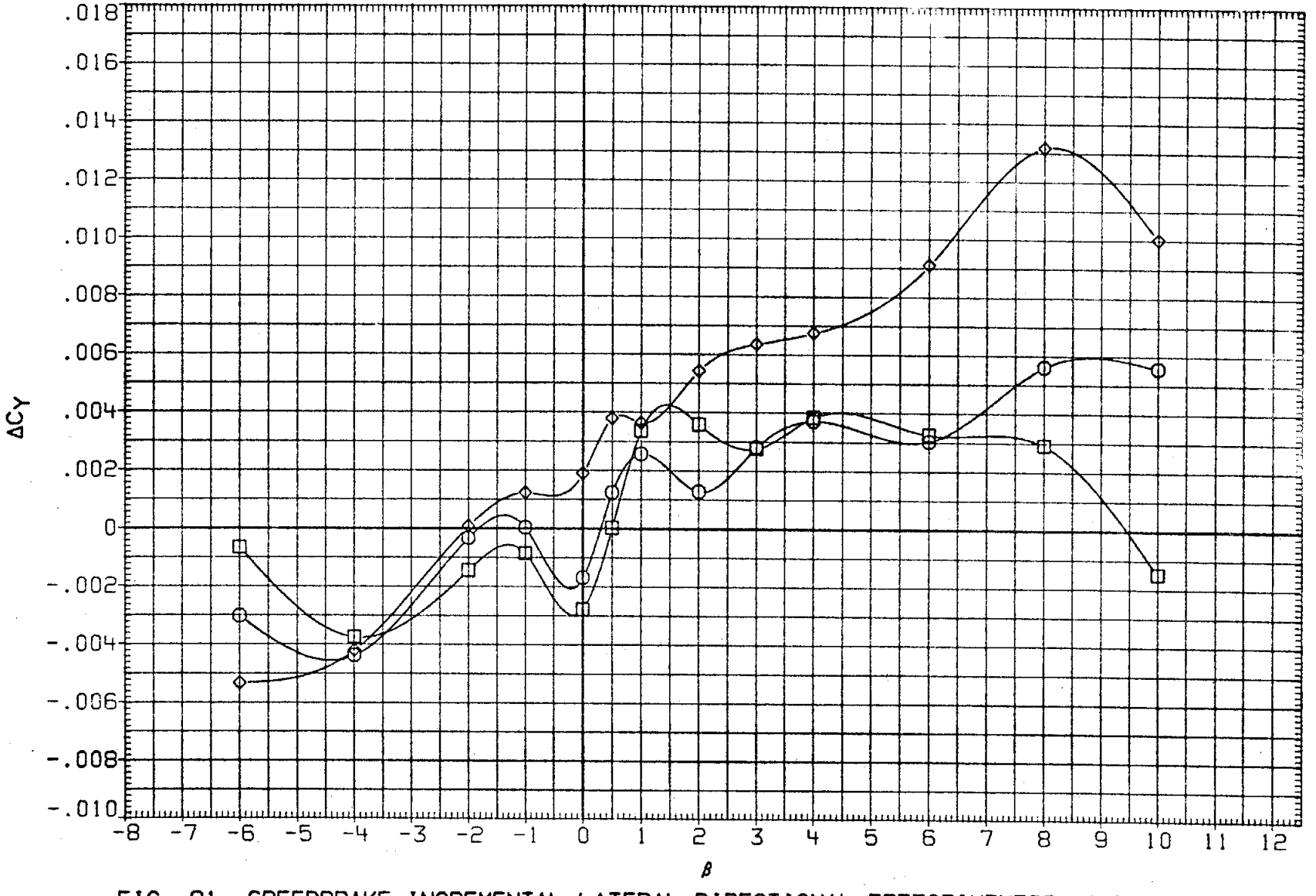


FIG. 81 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K2Q098	○	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	55.000	8.000	.000
K2Q0B0	□	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	70.000	5.000	.000
K2Q0B9	◇	ARC 218-1-12 OA101 (OV102)	5.000	.000	.000	.000	87.200	8.000	.000

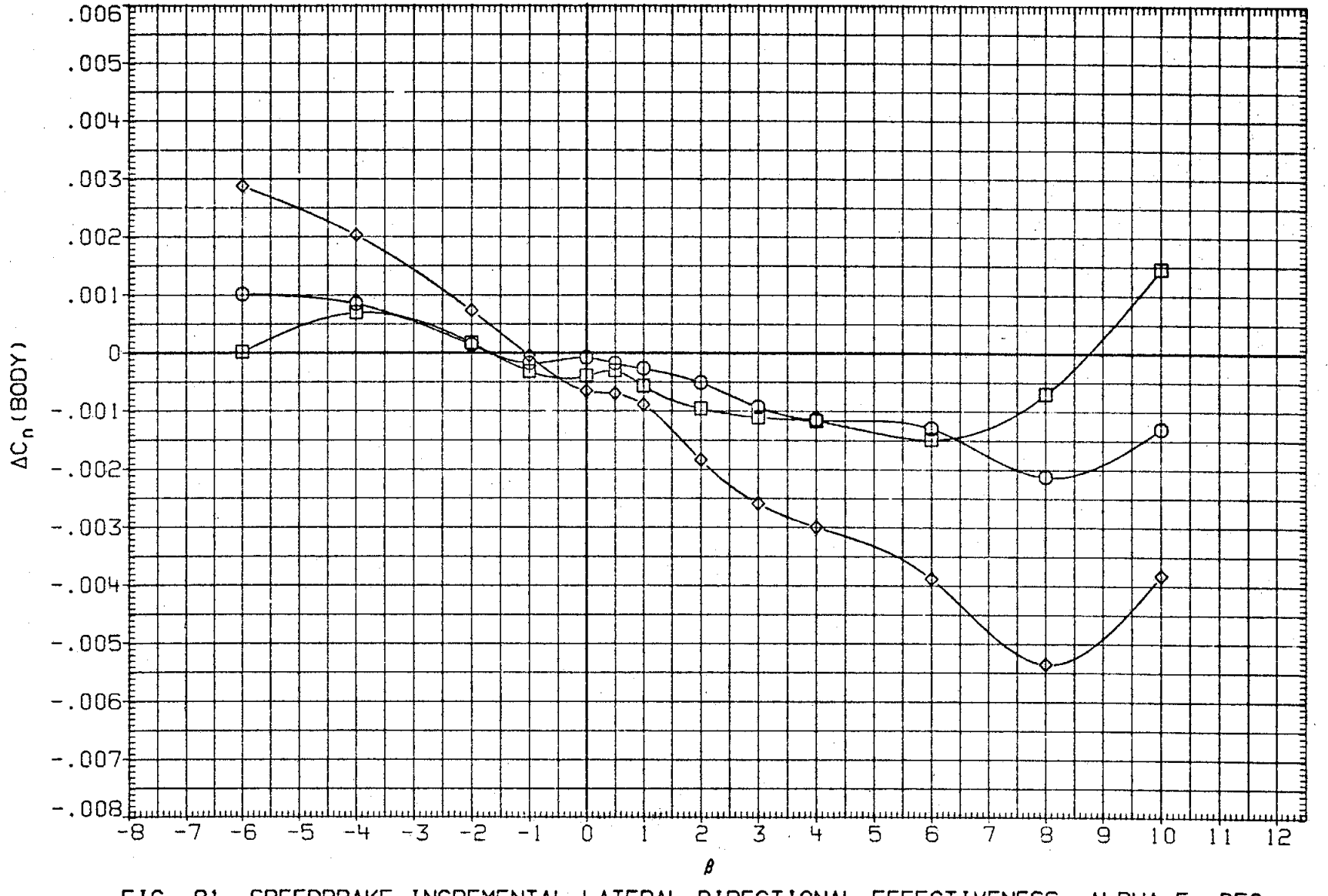


FIG. 81 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION
K2Q098	○	ARC 218-1-12 0A101 (0V102)
K2Q080	□	ARC 218-1-12 0A101 (0V102)
K2Q089	◇	ARC 218-1-12 0A101 (0V102)

ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
5.000	.000	.000	.000	55.000	8.000	.000
5.000	.000	.000	.000	70.000	5.000	.000
5.000	.000	.000	.000	87.200	8.000	.000

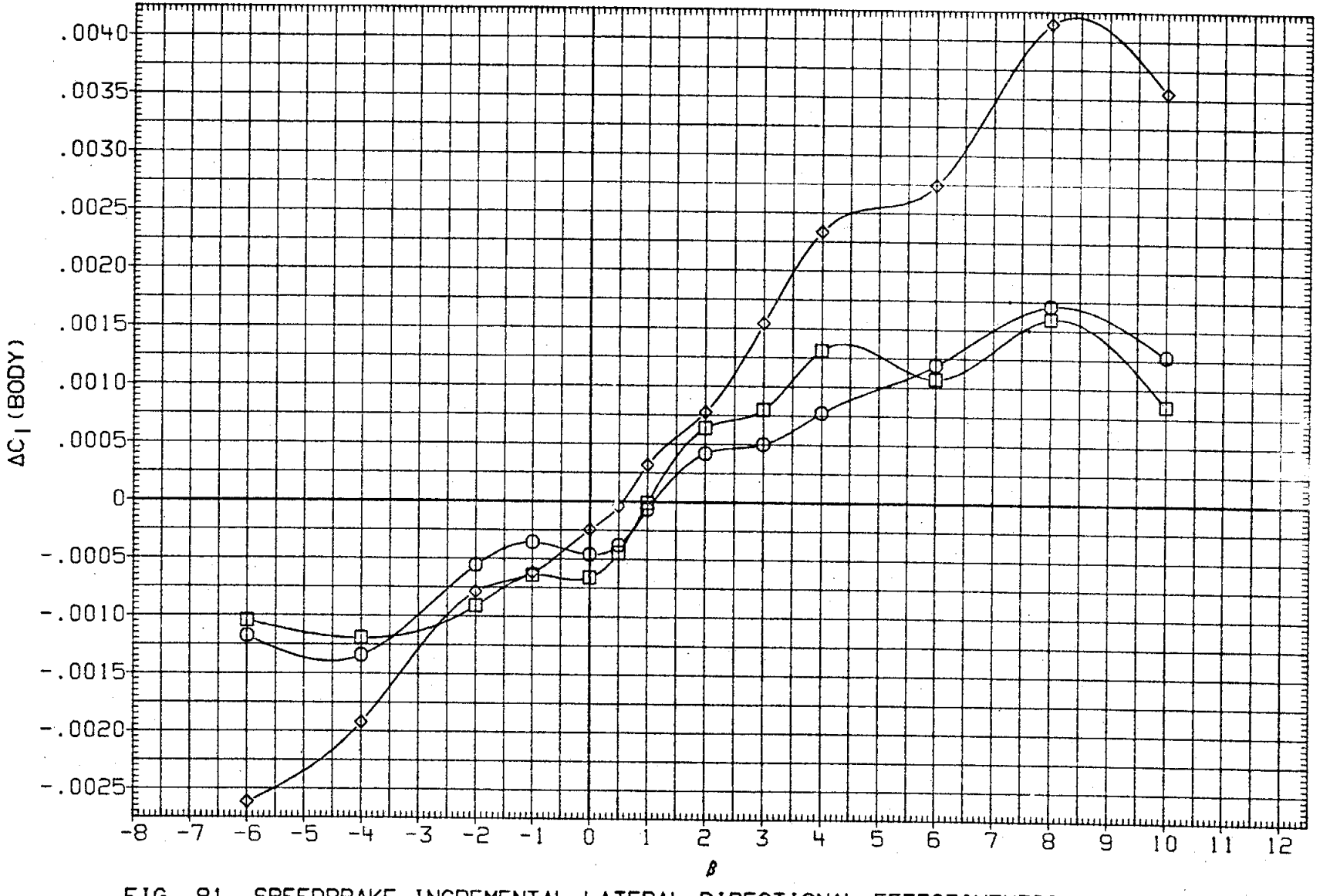


FIG. 81 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=5 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K2Q061	○	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	.000	8.000	.000
K2Q099	□	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	55.000	8.000	.000
K2Q0C0	◇	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	87.200	8.000	.000

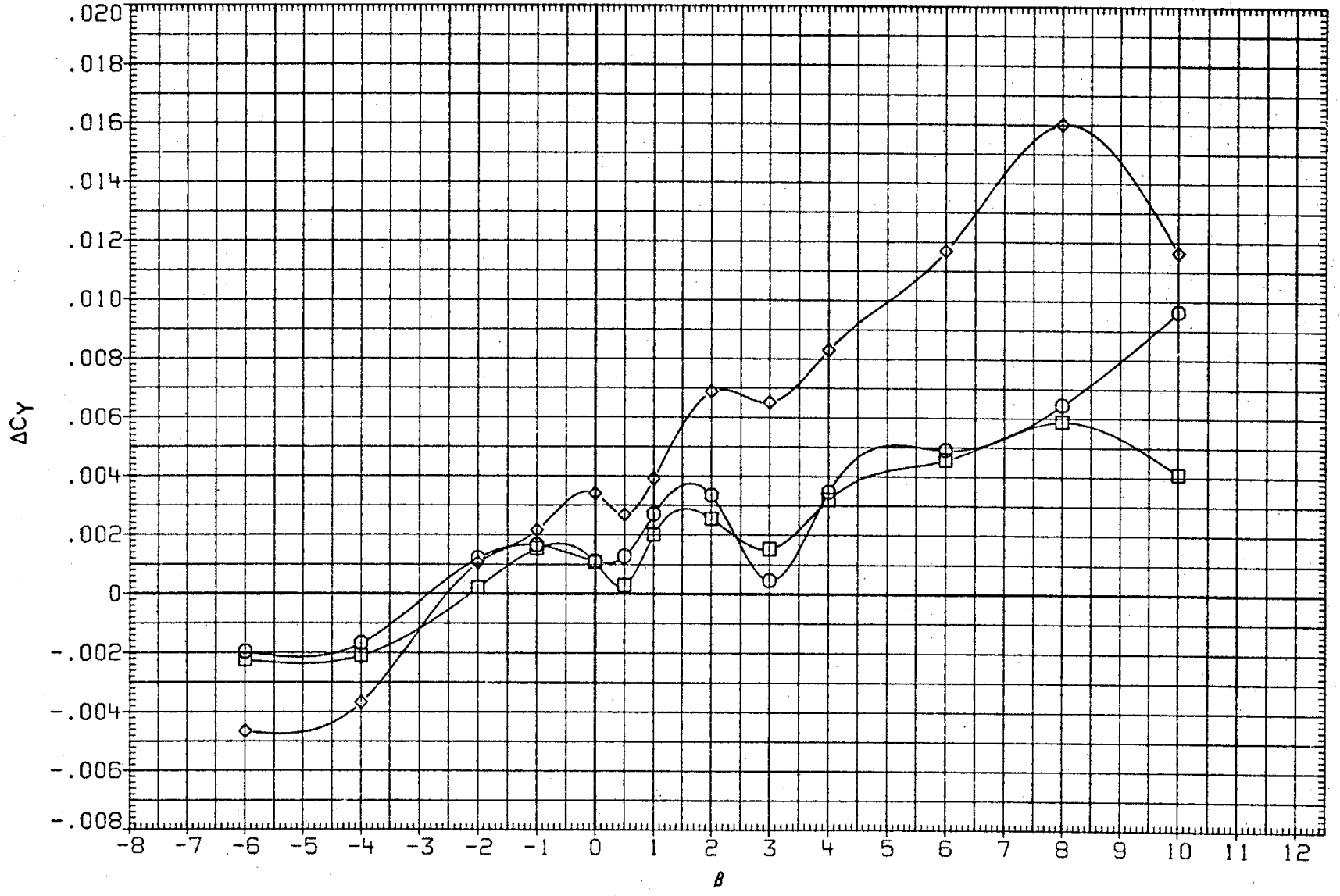


FIG. 82 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=10 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K2Q061	○	ARC 218-1-12 OA101 (OV102)	10.000	.000	.000	.000	.000	8.000	.000
K2Q099	□	ARC 218-1-12 OA101 (OV102)	10.000	.000	.000	.000	55.000	8.000	.000
K2Q0C0	◇	ARC 218-1-12 OA101 (OV102)	10.000	.000	.000	.000	87.200	8.000	.000

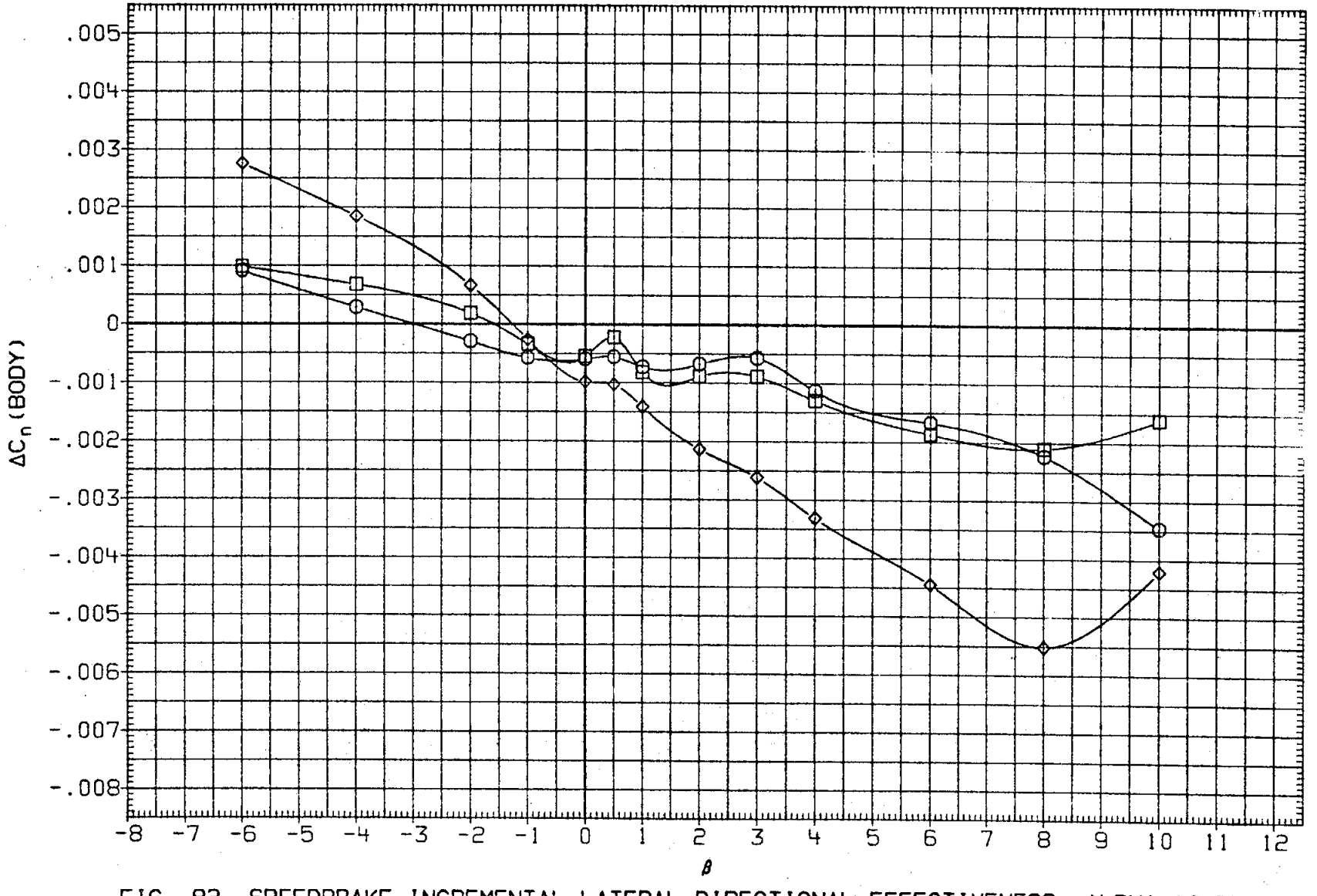


FIG. 82 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=10 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K2Q061	○	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	.000	8.000	.000
K2Q099	□	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	55.000	8.000	.000
K2Q0C0	◇	ARC 218-1-12 0A101 (0V102)	10.000	.000	.000	.000	87.200	8.000	.000

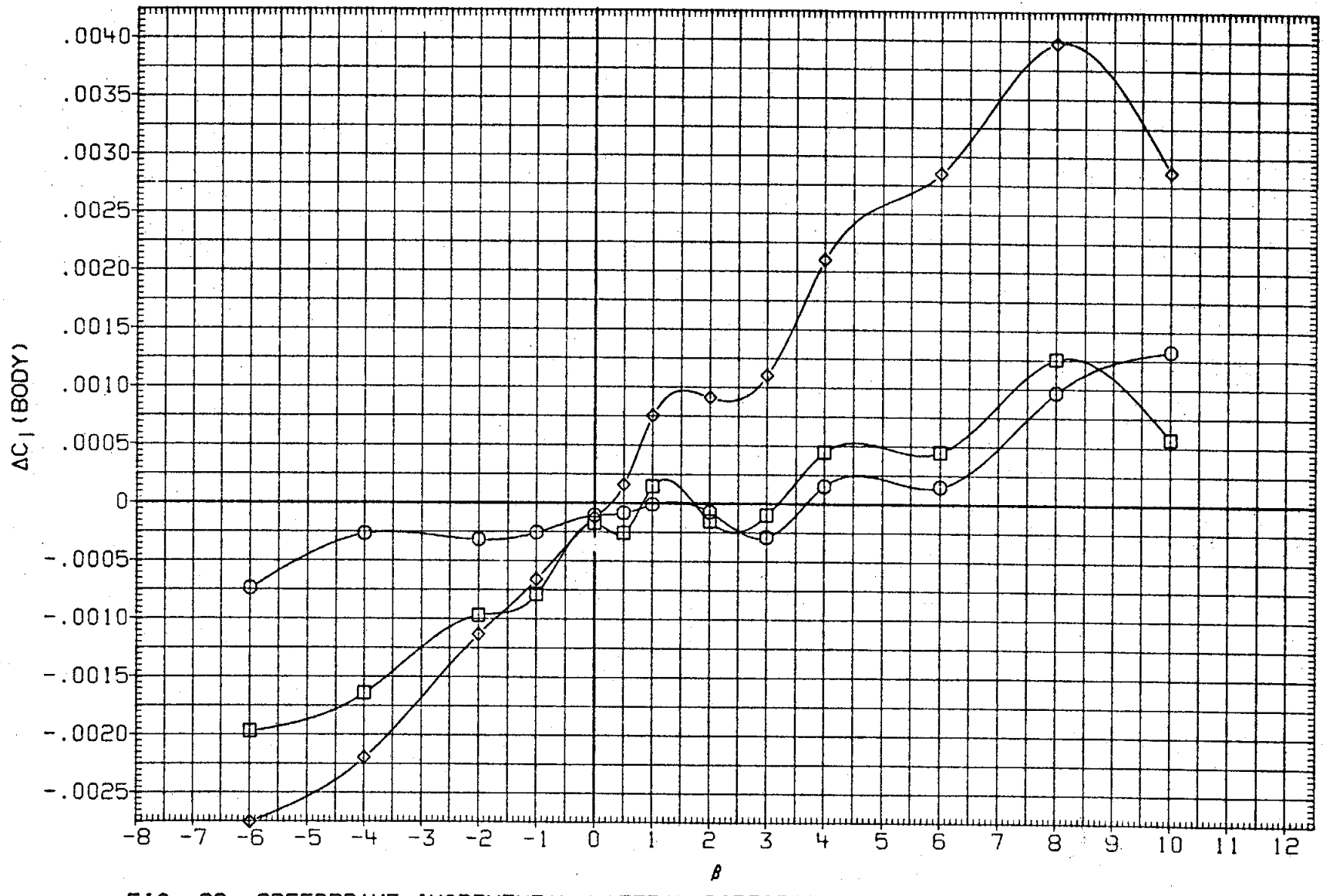


FIG. 82 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=10 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K20062	○	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	.000	8.000	.000
K200A0	□	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	55.000	8.000	.000
K200C1	◇	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	87.200	8.000	.000

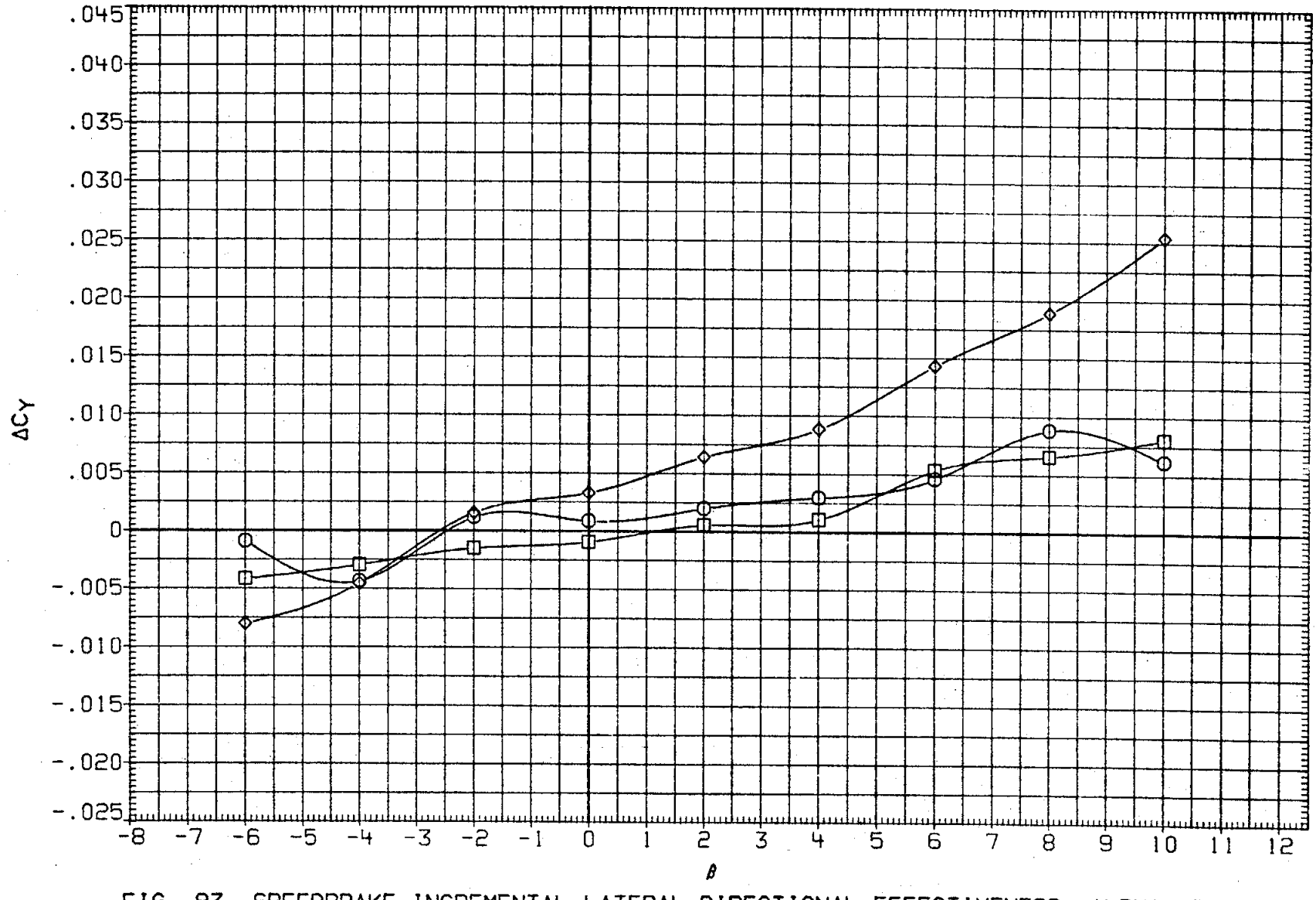


FIG. 83 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=15 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K2Q062	○	ARC 218-1-12 OA101 (OV102)	15.000	.000	.000	.000	.000	8.000	.000
K2Q0A0	□	ARC 218-1-12 OA101 (OV102)	15.000	.000	.000	.000	55.000	8.000	.000
K2Q0C1	◇	ARC 218-1-12 OA101 (OV102)	15.000	.000	.000	.000	87.200	8.000	.000

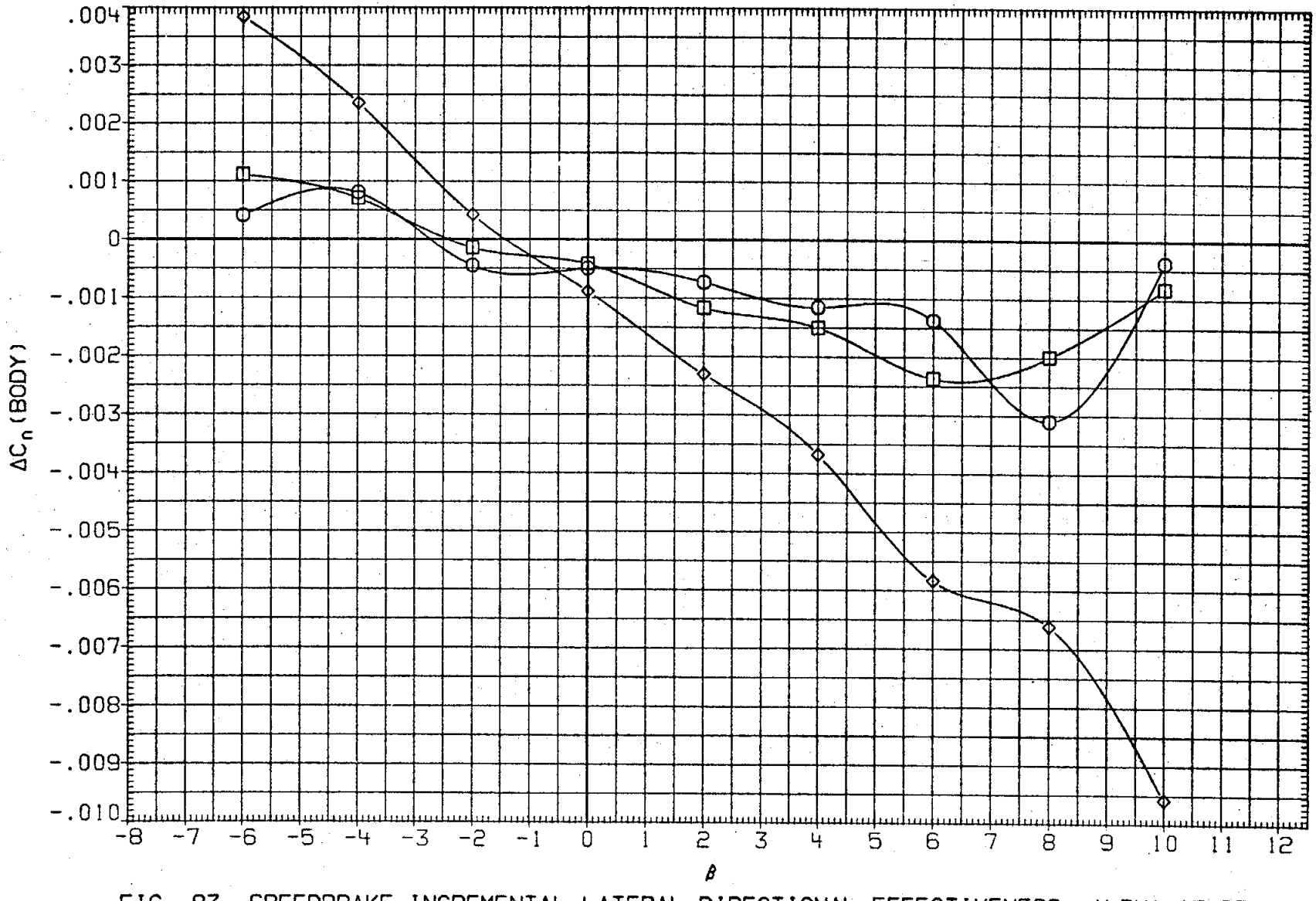


FIG. 83 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=15 DEG.

(A)MACH = .25

DATA SET	SYMBOL	CONFIGURATION	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RN/L	RUDDER
K2Q062	○	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	.000	8.000	.000
K2Q0A0	□	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	55.000	8.000	.000
K2Q0C1	◇	ARC 218-1-12 0A101 (0V102)	15.000	.000	.000	.000	87.200	8.000	.000

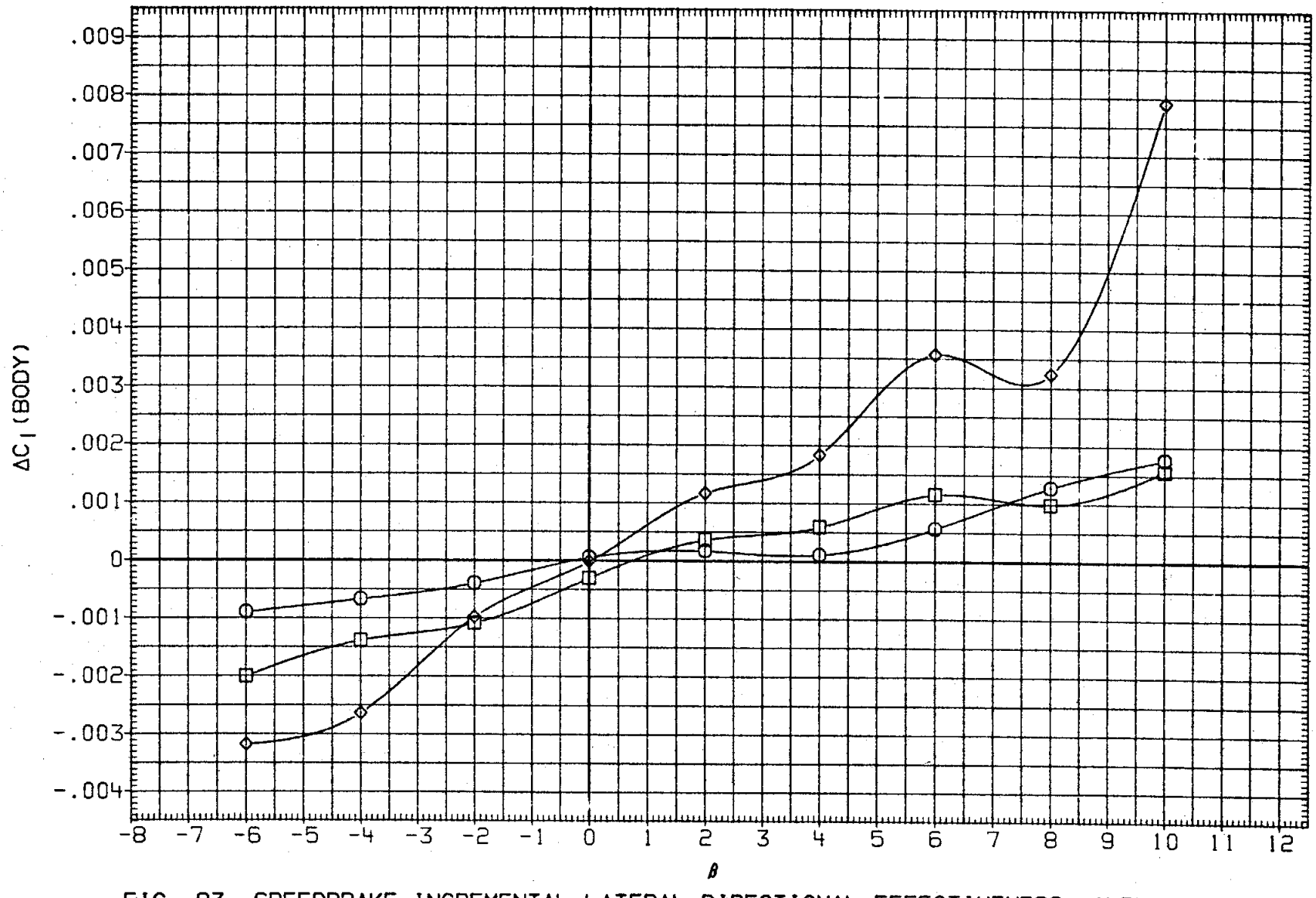


FIG. 83 SPEEDBRAKE INCREMENTAL LATERAL-DIRECTIONAL EFFECTIVENESS, ALPHA=15 DEG.

(A)MACH = .25

APPENDIX

TABULATED SOURCE DATA

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

ARC 218-1-12 OA101 (OV102) (R2Q001) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 172/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-7.765	-.38530	.03330	-.37760	.08360	.03140	.00410	-.00070	-.00050	-.02970	.02980
.251	-5.357	-.27670	.04770	-.27120	.07260	.02940	.00290	-.00050	-.00060	.01490	.01010
.252	-.068	-.04230	.06020	-.04230	.06020	.02630	.00270	-.00060	-.00050	-.02760	.02790
.251	2.087	.04920	.05860	.04700	.06030	.02580	.00190	-.00070	-.00060	-.01570	-.00950
.251	4.274	.14960	.05280	.14530	.06360	.02330	.00190	-.00060	-.00030	-.00070	.01570
.251	5.652	.20620	.04840	.20060	.06810	.02340	.00360	-.00040	-.00080	-.04040	.02080
.251	6.588	.25200	.04250	.24560	.07050	.02310	.00320	-.00020	-.00080	-.02980	.01010
.251	7.693	.29930	.03610	.29200	.07490	.02210	.00310	-.00020	-.00100	-.02320	.00300
.251	8.804	.35060	.02880	.34240	.08090	.02110	.00340	-.00020	-.00060	-.05050	-.00390
.250	9.855	.40020	.02240	.39080	.08900	.02060	.00310	-.00010	-.00090	-.06030	.02040
.251	10.963	.45050	.01350	.44010	.09690	.02130	.00330	-.00020	-.00080	-.05900	.01370
.251	11.992	.49780	.00570	.48630	.10660	.02280	.00310	-.00010	-.00080	-.02890	.01360
.251	13.139	.55140	-.00280	.53820	.11970	.02350	.00230	.00010	-.00050	-.02860	.01390
.251	15.152	.64770	-.01940	.63120	.14650	.02310	.00230	.00020	-.00070	-.03960	.02430
.249	17.287	.76860	-.03580	.74600	.18860	.01870	.00150	.00020	-.00070	-.04180	-.00320
.251	18.433	.83730	-.04420	.81010	.21620	.01530	.00130	.00060	-.00120	-.02620	.02130
	GRADIENT	.04420	-.00171	.04321	.00078	-.00069	-.00018	.00000	.00005	.00620	-.00277

ARC 218-1-12 0A101 (0V102) (R2Q002) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 184/ 0 RN/L = 7.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-8.036	-.39980	.03150	-.39180	.08550	.03330	-.00140	.00000	-.00080	-.05880	.06390
.251	-5.355	-.28700	.04540	-.28170	.07110	.03080	-.00220	.00020	-.00080	.05280	-.06280
.250	-.092	-.05200	.05900	-.05200	.05910	.02740	-.00190	.00010	-.00070	-.03220	-.00290
.250	2.130	.04360	.05710	.04140	.05870	.02700	-.00190	.00010	-.00070	-.04400	.01950
.250	2.865	.08130	.05580	.07840	.05980	.02600	-.00250	.00020	-.00040	-.06140	.05160
.251	3.958	.12870	.05300	.12480	.06160	.02570	-.00090	.00000	-.00060	-.04150	.04650
.250	4.416	.14410	.05120	.13980	.06190	.02530	-.00180	.00010	-.00070	.02660	-.03170
.250	5.087	.17630	.04900	.17130	.06420	.02460	-.00180	.00020	-.00060	.05050	-.08100
.250	5.689	.20170	.04650	.19630	.06590	.02430	.00010	.00030	-.00050	-.04440	.02950
.251	6.583	.24770	.04100	.24150	.06850	.02380	.00040	.00040	-.00060	.01980	-.05970
.250	7.737	.29980	.03460	.29260	.07380	.02240	-.00070	.00040	-.00070	-.06400	.00930
.251	8.916	.35080	.02770	.34250	.08050	.02200	.00100	.00030	-.00060	.00200	-.06160
.251	10.007	.40250	.02040	.39320	.08850	.02120	.00010	.00030	-.00040	.09050	-.10580
.252	10.781	.44220	.01390	.43220	.09450	.02120	.00140	.00030	-.00030	-.01490	-.00510
.251	11.111	.45420	.01210	.44370	.09740	.02180	.00020	.00050	-.00040	.05100	-.07100
.251	12.097	.50090	.00410	.48950	.10650	.02290	.00150	.00030	-.00040	.00670	-.05170
.251	13.302	.55460	-.00380	.54120	.12100	.02390	.00020	.00050	-.00040	-.05650	.04120
.250	15.376	.66510	-.02080	.64780	.15210	.02290	.00070	.00050	-.00050	-.03710	.01670
.250	17.601	.78500	-.03590	.76070	.19730	.01760	.00070	.00050	-.00050	-.06420	.03350
.250	18.700	.85400	-.04370	.82480	.22560	.01390	.00010	.00080	-.00040	-.00740	-.01800
	GRADIENT	.04409	-.00168	.04313	.00067	-.00047	.00011	-.00001	.00002	.00723	.00105

ARC 218-1-12 OA101 (OV102) (R2Q003) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 191/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.081	-.27570	.04040	-.27100	.06450	.02450	.10580	-.00950	-.00040	.01370	-.03890
.251	-4.127	-.28380	.04340	-.27870	.06920	.02780	.06980	-.00620	-.00080	-.05150	.01140
.252	-2.096	-.28810	.04520	-.28270	.07170	.03040	.03530	-.00340	-.00060	-.03560	.02560
.251	-.014	-.28760	.04560	-.28210	.07210	.03120	-.00230	.00000	-.00070	-.01280	-.02780
.251	1.956	-.28580	.04450	-.28070	.06980	.03060	-.03900	.00320	-.00060	.00060	-.04050
.252	4.032	-.27910	.04190	-.27430	.06650	.02740	-.07620	.00650	-.00070	.08470	-.10490
.251	6.003	-.27590	.04020	-.27110	.06500	.02450	-.11120	.00980	-.00100	.07620	-.07090
.251	7.224	-.27060	.03840	-.26610	.06240	.02140	-.13260	.01180	-.00130	-.01710	-.04320
	GRADIENT	.00057	-.00018	.00053	-.00036	-.00003	-.01798	.00157	.00001	.01517	-.01468

ARC 218-1-12 OA101 (OV102) (R2Q004) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 192/ 0 RN/L = 7.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.198	-.03980	.05460	-.03990	.05450	.02020	.11010	-.01010	.00390	.05840	-.07860
.252	-4.151	-.04510	.05640	-.04520	.05640	.02420	.07270	-.00660	.00230	.03740	-.05710
.251	-2.041	-.04940	.05840	-.04940	.05840	.02720	.03450	-.00330	.00060	-.02150	-.06350
.252	-1.063	-.05030	.05860	-.05030	.05860	.02770	.01650	-.00160	.00010	-.00730	-.03770
.252	.010	-.05640	.05850	-.05630	.05850	.02800	-.00450	.00020	-.00050	.02960	-.07470
.252	.559	-.05280	.05840	-.05270	.05850	.02800	-.01330	.00090	-.00090	-.04110	-.01410
.252	1.063	-.04970	.05840	-.04970	.05840	.02790	-.02370	.00190	-.00120	.00100	-.05110
.251	2.105	-.04480	.05860	-.04480	.05860	.02680	-.04160	.00350	-.00200	-.08890	.05850
.252	3.078	-.04190	.05680	-.04190	.05670	.02540	-.06010	.00520	-.00260	.08230	-.10780
.252	4.067	-.04140	.05550	-.04150	.05540	.02340	-.07750	.00670	-.00340	.02040	-.10640
.251	6.074	-.03630	.05330	-.03640	.05320	.01990	-.11290	.01010	-.00530	.06640	-.08610
.251	8.030	-.02700	.04990	-.02710	.04980	.01430	-.14620	.01340	-.00710	-.00890	-.06630
.251	10.038	-.01950	.04650	-.01960	.04650	.00870	-.18220	.01710	-.00900	.08750	-.11800
	GRADIENT	.00077	-.00011	.00077	-.00012	-.00012	-.01834	.00163	-.00067	.00036	-.00217

ARC 218-1-12 OA101 (OV102) (R2Q005) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 173/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-6.204	.19970	.04580	.19470	.06390	.01720	.11200	-.01090	.00840	-.04830	.00890
.253	-4.159	.19400	.04770	.18890	.06520	.02020	.07250	-.00700	.00520	-.04310	.02790
.251	-2.128	.19630	.04900	.19110	.06660	.02200	.03760	-.00380	.00200	-.02290	.01790
.251	.027	.19340	.04900	.18830	.06610	.02290	.00070	-.00040	-.00030	-.02730	.01260
.251	2.109	.19440	.04790	.18930	.06530	.02330	-.03160	.00300	-.00260	-.03020	.01550
.251	4.141	.19860	.04650	.19360	.06420	.02070	-.06560	.00630	-.00590	-.02260	.00270
.251	6.245	.20510	.04420	.20020	.06260	.01690	-.10120	.00990	-.00960	-.03610	.02110
.251	8.106	.20930	.04170	.20470	.06050	.01360	-.13890	.01410	-.01240	-.04470	.01970
.251	10.093	.21490	.03960	.21040	.05890	.00970	-.17490	.01820	-.01660	-.01070	.00570
.251	12.036	.21850	.03600	.21430	.05570	.00670	-.20770	.02100	-.01910	-.03810	.01820
	GRADIENT	.00035	-.00017	.00036	-.00016	.00011	-.01658	.00160	-.00129	.00160	-.00253

ARC 218-1-12 OA101 (OV102) (R2Q006) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 185/ 0 RN/L = 7.73 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.128	.19910	.04460	.19410	.06270	.01620	.10600	-.00960	.00820	-.00740	-.00250
.252	-4.098	.19680	.04650	.19170	.06430	.02000	.07060	-.00650	.00520	.04780	-.05290
.251	-2.122	.19590	.04860	.19060	.06630	.02280	.03490	-.00330	.00240	.09510	-.09010
.251	.029	.19160	.04880	.18640	.06600	.02340	-.00200	.00010	-.00030	-.00980	.00000
.251	2.101	.19960	.04740	.19450	.06540	.02310	-.03640	.00350	-.00310	-.00490	.00490
.251	4.110	.20050	.04520	.19550	.06340	.02000	-.07100	.00660	-.00610	.03000	-.05480
.251	6.168	.20360	.04230	.19890	.06080	.01670	-.10660	.01000	-.00920	.11950	-.13990
.251	8.131	.21100	.03940	.20660	.05860	.01090	-.14250	.01350	-.01270	-.02250	.00280
.251	10.043	.21570	.03590	.21150	.05550	.00730	-.17830	.01750	-.01620	.09280	-.08750
	GRADIENT	.00054	-.00018	.00056	-.00013	.00001	-.01718	.00160	-.00136	-.00670	.00455

ARC 218-1-12 OA101 (OV102) (R2Q007) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 193/ 0 RN/L = 7.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.055	.46160	.00960	.45160	.09620	.01400	.10020	-.00910	.01460	.01930	-.05410
.251	-4.079	.45750	.01010	.44750	.09590	.01790	.06570	-.00560	.01010	.06410	-.08390
.251	-1.970	.45970	.01100	.44940	.09750	.02110	.03030	-.00250	.00500	.05580	-.05560
.252	-1.104	.45090	.01120	.44090	.09550	.02150	.01610	-.00120	.00270	-.01500	-.01980
.251	.009	.46010	.00970	.44990	.09690	.02200	-.00200	.00050	-.00030	-.00180	-.02790
.251	.537	.46080	.01000	.45040	.09760	.02160	-.01010	.00100	-.00160	.03170	-.05670
.251	1.040	.45750	.01030	.44740	.09600	.02130	-.01930	.00180	-.00300	.01400	-.06950
.251	2.121	.45630	.01090	.44610	.09660	.02060	-.03680	.00320	-.00570	.09250	-.12800
.251	3.133	.45780	.00990	.44770	.09590	.01980	-.05210	.00440	-.00810	.02930	-.06970
.251	4.132	.46050	.00880	.45080	.09420	.01780	-.07120	.00620	-.01100	-.01490	-.05070
.251	6.078	.46990	.00710	.46010	.09530	.01380	-.10620	.00980	-.01560	.10060	-.12080
.251	8.089	.47430	.00320	.46540	.09190	.00790	-.14220	.01290	-.02030	-.01790	.00830
.251	10.101	.47790	.00230	.46900	.09190	.00570	-.18180	.01770	-.02540	.05020	-.07000
	GRADIENT	.00026	-.00014	.00029	-.00016	-.00006	-.01651	.00141	-.00257	-.00388	-.00171

ARC 218-1-12 OA101 (OV102) (R2Q008) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 194/ 0 RN/L = 7.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.249	-5.756	.73600	-.03430	.71630	.17260	.01290	.09220	-.00600	.01690	-.00110	-.06870
.250	-3.830	.72750	-.03160	.70760	.17220	.01880	.06150	-.00460	.01130	.02440	-.06530
.250	-2.007	.72560	-.03000	.70520	.17360	.01970	.03090	-.00200	.00550	-.01490	-.01000
.250	-.001	.72880	-.03050	.70850	.17390	.01990	-.00200	.00060	-.00040	-.05970	-.00020
.249	2.054	.72990	-.03110	.71000	.17200	.01830	-.03620	.00320	-.00620	.02680	-.05720
.249	4.043	.72790	-.03260	.70820	.17100	.01660	-.06850	.00540	-.01200	-.04100	.00560
.250	6.024	.73570	-.03540	.71650	.17070	.01100	-.10240	.00740	-.01810	.05270	-.06270
.250	6.857	.73810	-.03710	.71960	.16810	.00720	-.11750	.00860	-.02070	.03500	-.07550
	GRADIENT	.00026	-.00016	.00031	-.00021	-.00030	-.01652	.00127	-.00294	-.00435	.00464

ARC 218-1-12 OA101 (OV102) (R20009) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 8.000

RUN NO. 188/ 0 RN/L = 7.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-7.710	-.38570	.03180	-.37830	.08180	.03190	-.03620	.00300	.00010	.03370	-.00870
.251	-5.636	-.29130	.04440	-.28570	.07190	.02970	-.03100	.00260	-.00040	.05010	-.05500
.251	-.028	-.05040	.05720	-.05040	.05720	.02590	-.03970	.00330	-.00190	.06660	-.08680
.251	2.664	.07400	.05440	.07140	.05770	.02480	-.03930	.00350	-.00250	-.04540	.01990
.251	5.536	.20210	.04500	.19690	.06390	.02380	-.03570	.00340	-.00320	-.03310	-.02160
.251	7.172	.27950	.03550	.27310	.06930	.02260	-.03120	.00280	-.00400	-.02770	-.01220
.252	8.852	.35300	.02560	.34510	.07840	.02080	-.03080	.00300	-.00440	.06400	-.08440
.251	11.020	.45820	.00970	.44830	.09510	.02060	-.03330	.00320	-.00570	-.00520	-.02020
.251	13.229	.56240	-.00690	.54970	.11900	.02230	-.03320	.00320	-.00590	.00610	-.05130
.250	16.453	.72890	-.03130	.70910	.17130	.01860	-.03370	.00300	-.00630	-.06460	-.00510
.249	18.537	.84220	-.04510	.81460	.21830	.01300	-.03270	.00250	-.00680	-.02370	-.01090
	GRADIENT	.04622	-.00104	.04525	.00019	-.00041	.00015	.00007	-.00022	-.04161	.03964

ARC 218-1-12 OA101 (OV102) (R20010) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 189/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-7.827	-.30150	.03710	-.29390	.07690	-.01110	-.00140	.00020	-.00080	5.02980	.01590
.252	-5.298	-.19190	.05040	-.18660	.06760	-.01310	-.00080	.00030	-.00070	5.10610	-.07710
.251	.011	.03930	.06170	.03930	.06170	-.01490	-.00090	.00000	-.00070	4.93600	.02960
.251	2.843	.16030	.05770	.15740	.06530	-.01620	-.00150	.00010	-.00060	4.99320	-.03090
.251	5.770	.29440	.04710	.28840	.07560	-.01770	.00080	.00030	-.00040	5.11140	-.07660
.252	7.294	.36460	.03760	.35720	.08230	-.01940	.00010	.00030	-.00050	5.08830	-.06510
.251	9.030	.44240	.02720	.43310	.09440	-.02030	.00030	.00040	-.00050	4.91860	.05120
.252	11.293	.54430	.01130	.53220	.11480	-.01970	-.00010	.00040	-.00010	5.06880	-.05480
.251	13.415	.65110	-.00490	.63540	.14220	-.01950	-.00050	.00060	-.00040	4.97830	.04740
.250	16.531	.81840	-.02930	.79460	.19640	-.02350	-.00010	.00060	-.00030	5.03940	-.04960
.249	18.789	.94910	-.04420	.91510	.25540	-.03070	-.00020	.00080	-.00070	4.95950	-.00560
	GRADIENT	.04273	-.00141	.04171	.00127	-.00046	-.00021	.00004	.00004	.02020	-.02137

ARC 218-1-12 OA101 (OV102) (R2Q011) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 190/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-7.976	-.49340	.03030	-.48490	.09610	.07900	-.00180	-.00010	-.00050	-5.00860	.08360
.251	-5.507	-.38350	.04540	-.37770	.08050	.07660	-.00100	-.00020	-.00050	-4.99310	.04360
.251	-.199	-.14340	.06040	-.14330	.06070	.07060	-.00150	-.00020	-.00050	-4.99230	.02360
.251	2.638	-.01980	.05810	-.02250	.05710	.06870	-.00230	.00000	-.00050	-4.88330	-.04670
.250	4.853	.08310	.05260	.07840	.05940	.06840	-.00280	.00000	-.00040	-5.00780	.07330
.251	5.642	.11270	.05010	.10730	.06080	.06720	-.00010	.00020	-.00040	-5.02130	.11600
.251	7.135	.18100	.04210	.17440	.06400	.06620	.00020	.00020	-.00040	-5.06940	.15910
.251	8.787	.25830	.03170	.25060	.07020	.06500	.00030	.00020	-.00040	-5.04270	.08920
.251	10.860	.36190	.01610	.35270	.08270	.06400	-.00030	.00020	-.00040	-4.95720	-.02150
.251	13.106	.46220	.00040	.45060	.10310	.06660	-.00020	.00030	-.00030	-5.02490	.06610
.250	16.238	.62370	-.02370	.60630	.14800	.06310	.00060	.00030	-.00020	-4.99450	.02100
.250	18.469	.75670	-.04060	.73210	.19580	.05630	.00080	.00030	.00000	-4.98190	.00340
	GRADIENT	.04477	-.00151	.04382	-.00030	-.00045	-.00026	.00004	.00002	-.00117	.00825

ARC 218-1-12 OA101 (OV102) (R2Q012) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 199/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.251	-35.083	-.69090	.11530	-.67640	.18220	.20200	-.00060	-.00030	.00070	-.04340
.250	-29.746	-.66210	.09980	-.64920	.16370	.19290	-.00190	-.00060	-.00250	.30750
.251	-25.039	-.67950	.08740	-.66780	.15310	.20230	-.00330	.00030	.00010	.00020
.251	-20.088	-.64110	.06780	-.63150	.12950	.18820	-.00180	-.00030	-.00070	-.05640
.251	-15.022	-.57080	.05580	-.56290	.11020	.15860	-.00210	-.00010	-.00050	.00020
.250	-10.052	-.48370	.04810	-.47700	.09360	.12090	-.00230	.00000	-.00030	.06290
.251	-4.950	-.38320	.04440	-.37740	.07990	.07580	-.00170	-.00020	-.00060	.03570
.250	.003	-.28390	.04500	-.27860	.07070	.03030	-.00120	.00000	-.00070	-.00270
.250	4.990	-.19230	.05000	-.18700	.06720	-.01280	-.00090	-.00020	-.00070	.06950
.250	9.984	-.10660	.05890	-.10090	.06810	-.05430	-.00110	.00010	-.00080	-.00550
.250	14.990	-.01360	.07300	-.00720	.07390	-.09830	-.00100	.00020	-.00140	-.03350
.250	20.180	.07300	.09260	.08070	.08600	-.14070	-.00140	.00020	-.00110	.16470
	GRADIENT	.01920	.00056	.01915	-.00128	-.00891	.00008	-.00000	-.00001	.00341

ARC 218-1-12 OA101 (OV102) (R2Q013) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 200/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.250	-35.093	-.42380	.12970	-.42290	.13240	.18220	-.00170	.00020	.00040	-.03840
.250	-30.006	-.42510	.12090	-.42430	.12360	.18780	-.00210	.00000	.00020	.08960
.250	-25.052	-.45160	.10900	-.45090	.11210	.19990	-.00300	.00000	-.00060	-.03080
.250	-20.099	-.41230	.08930	-.41170	.09190	.18590	-.00210	-.00010	-.00030	-.03440
.250	-15.026	-.32930	.07490	-.32890	.07650	.15120	-.00270	-.00020	-.00040	.01530
.250	-9.996	-.23930	.06470	-.23910	.06550	.11220	-.00260	.00000	-.00040	.02180
.250	-4.968	-.14550	.05970	-.14540	.06000	.07040	-.00270	-.00010	-.00050	.05840
.250	.013	-.05050	.05840	-.05050	.05840	.02700	-.00160	-.00010	-.00060	-.00760
.250	5.032	.03930	.06160	.03920	.06160	-.01500	-.00200	-.00010	-.00070	.03320
.250	9.971	.12820	.06910	.12800	.06930	-.05770	-.00180	-.00010	-.00070	.00200
.250	14.979	.22130	.08180	.22100	.08250	-.10290	-.00190	.00010	-.00120	-.00640
.249	20.193	.30800	.09960	.30760	.10090	-.14570	-.00200	.00030	-.00140	.17070
	GRADIENT	.01907	-.00026	.01905	-.00032	-.00871	.00022	-.00000	-.00002	-.01325

ARC 218-1-12 OA101 (OV102) (R20014) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 174/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.250	-35.128	-.17110	.12680	-.18110	.11200	.17360	.00470	-.00110	-.00040	-.01860
.250	-29.989	-.17880	.12000	-.18820	.10460	.18080	.00370	.00000	.00320	.07090
.250	-25.047	-.19450	.10780	-.20280	.09120	.19240	.00270	-.00050	-.00030	-.01200
.250	-20.092	-.15920	.08710	-.16590	.07340	.17690	.00210	-.00070	.00000	-.04630
.250	-15.047	-.08040	.07170	-.08620	.06470	.14480	.00080	-.00060	-.00040	.00020
.250	-10.008	.00530	.05950	.00010	.05970	.10750	.00270	-.00060	-.00030	.01920
.250	-4.998	.09920	.05240	.09420	.06090	.06630	.00150	-.00030	-.00040	.07360
.250	-.012	.19450	.04960	.18930	.06660	.02250	.00130	-.00030	-.00040	-.00250
.251	5.000	.28290	.05040	.27730	.07560	-.01890	.00210	-.00040	-.00020	.04460
.250	9.981	.37510	.05720	.36830	.09110	-.06330	.00240	-.00060	-.00030	-.01570
.250	14.967	.46840	.06710	.46030	.10990	-.10800	.00430	-.00060	-.00040	-.01360
.249	20.154	.54610	.08400	.53590	.13460	-.14850	.00340	-.00070	-.00040	.16080
	GRADIENT	.01837	-.00020	.01831	.00147	-.00852	.00006	-.00001	.00002	-.00289

ARC 218-1-12 OA101 (OV102) (R20C15) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 186/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.251	-35.231	-.16620	.12420	-.17710	.10820	.17620	-.00040	.00010	.00450	.09140
.251	-30.286	-.17860	.11850	-.18990	.10110	.18520	-.00190	.00100	.00590	.34810
.251	-25.153	-.20650	.10400	-.21520	.08460	.20010	.00000	.00010	-.00160	.05040
.251	-20.057	-.15380	.08440	-.16080	.07010	.17930	-.00120	.00040	-.00040	-.10800
.251	-15.076	-.07160	.06900	-.07780	.06190	.14650	-.00120	.00030	-.00040	.04970
.251	-10.100	.01600	.05710	.01040	.05840	.10950	-.00040	.00030	-.00010	.10860
.251	-5.021	.11230	.05000	.10690	.06060	.06600	-.00090	.00040	-.00070	.09670
.251	-.015	.20720	.04730	.20160	.06750	.02320	-.00060	.00030	-.00050	.00010
.251	4.958	.29730	.04770	.29110	.07690	-.01890	-.00020	.00030	-.00050	.03230
.251	9.926	.39070	.05440	.38320	.09370	-.06350	.00030	.00020	-.00080	.01420
.251	14.909	.48260	.06580	.47310	.11540	-.10880	.00070	.00030	-.00090	.06510
.250	20.116	.57230	.08260	.56050	.14240	-.15180	.00120	.00020	-.00100	.23270
	GRADIENT	.01812	.00008	.01799	.00189	-.00846	.00008	.00000	-.00000	.00647

ARC 218-1-12 OA101 (OV102) (R2Q016) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 201/ 0 RN/L = 7.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.249	-35.120	.04970	.10150	.03030	.10890	.18510	-.00290	.00080	.00070	-.02580
.250	-29.983	.04300	.09270	.02530	.09900	.19190	-.00270	.00080	.00070	.06960
.250	-25.051	.01880	.07660	.00450	.07870	.20380	-.00270	.00050	.00050	.00260
.251	-20.087	.08620	.05730	.07420	.07210	.17840	-.00270	.00020	-.00030	-.05140
.251	-15.044	.16910	.03890	.15910	.06940	.14540	-.00170	.00020	-.00030	.01760
.252	-10.001	.25750	.02530	.24830	.07270	.10770	-.00220	.00020	-.00050	.01190
.252	-4.976	.35550	.01620	.34620	.08250	.06380	-.00180	.00010	-.00070	.07080
.251	-.012	.44960	.01130	.43940	.09600	.02130	-.00090	.00030	-.00050	.01220
.251	5.018	.53890	.01220	.52680	.11430	-.02020	-.00220	.00030	-.00050	.03800
.251	9.971	.63680	.01720	.62180	.13870	-.06710	-.00250	.00050	-.00070	-.00990
.250	14.993	.73970	.02750	.72050	.16950	-.11510	-.00210	.00050	-.00130	-.02110
.250	20.171	.84160	.04420	.81700	.20660	-.16470	-.00100	.00030	-.00050	.16380
	GRADIENT	.01896	-.00099	.01878	.00272	-.00856	.00018	.00004	.00004	-.01181

ARC 218-1-12 OA101 (OV102) (R2Q017) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 202/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.250	-35.130	.30910	.06340	.28000	.14550	.19120	-.00290	.00080	.00120	-.02570
.250	-29.983	.28190	.05720	.25560	.13200	.20540	-.00560	.00180	.00330	.08290
.250	-25.066	.27100	.04370	.24880	.11600	.21130	-.00260	.00050	.00010	.00230
.250	-20.112	.34960	.02080	.33050	.11590	.18220	-.00190	.00040	.00000	-.03200
.250	-15.032	.43780	.00100	.42060	.12160	.14730	-.00230	.00060	.00010	.00030
.250	-10.014	.53520	-.01430	.51820	.13450	.10590	-.00060	.00030	.00010	.00890
.250	-4.961	.63240	-.02470	.61430	.15230	.06180	-.00140	.00040	-.00020	.07500
.249	.000	.72790	-.02980	.70720	.17490	.02010	-.00090	.00040	-.00040	.00990
.249	5.015	.82380	-.02890	.79870	.20360	-.02430	-.00210	.00050	-.00030	.03980
.248	9.983	.92270	-.02480	.89220	.23660	-.07200	-.00180	.00080	-.00030	-.00960
.248	14.973	1.01470	-.01390	.97710	.27420	-.11690	-.00240	.00100	-.00080	-.01630
.247	20.183	1.11130	.00250	1.06470	.31860	-.16140	-.00320	.00110	.00000	.16090
	GRADIENT	.01925	-.00103	.01873	.00456	-.00841	.00010	.00000	-.00004	-.01312

ARC 218-1-12 OA101 (OV102) (R2Q018) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 176/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-6.131	.00170	.05560	-.00330	.05550	.10400	.10220	-.00910	.00740	-9.96880	.06350
.251	-4.200	-.00440	.05750	-.00950	.05690	.10750	.06670	-.00610	.00480	-9.97370	.06840
.251	-2.144	-.00760	.05850	-.01270	.05760	.11020	.03220	-.00320	.00190	-9.98100	.07570
.252	-1.137	-.00950	.05860	-.01460	.05760	.11050	.01500	-.00200	.00070	-9.95960	.04410
.251	-.315	-.00870	.05920	-.01380	.05820	.11090	-.00080	-.00070	-.00030	-9.98360	.05870
.251	.356	-.00480	.05800	-.00990	.05740	.11180	-.00470	.00080	-.00080	-9.97220	.06500
.251	.691	-.00690	.05760	-.01200	.05680	.11160	-.01250	.00120	-.00120	-9.96180	.06580
.251	1.145	-.00540	.05650	-.01030	.05580	.11130	-.01810	.00180	-.00180	-9.97960	.05290
.251	2.129	-.00630	.05660	-.01130	.05590	.11030	-.03540	.00320	-.00310	-9.96950	.04830
.252	3.157	-.00180	.05530	-.00660	.05490	.10910	-.05260	.00460	-.00420	-9.94780	.04160
.251	4.160	-.00210	.05450	-.00690	.05410	.10810	-.06970	.00620	-.00550	-9.96950	.06790
.251	6.166	.00400	.05150	-.00050	.05160	.10430	-.10300	.00900	-.00850	-9.97450	.06270
.251	7.950	.00710	.04980	.00270	.05020	.10060	-.13430	.01240	-.01120	-9.95500	.04780
.251	10.084	.01570	.04060	.01160	.04780	.09600	-.17210	.01630	-.01440	-9.95420	.05830
	GRADIENT	.00054	-.00045	.00058	-.00040	.00003	-.01607	.00149	-.00120	.00175	-.00176

ARC 218-1-12 OA101 (OV102) (R20019) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 177/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.110	.09120	.04850	.08650	.05640	.06250	.10440	-.00990	.00770	-4.95280	.05300
.251	-4.193	.08930	.05040	.08440	.05820	.06570	.06820	-.00660	.00470	-4.99800	.07330
.251	-2.130	.08850	.05170	.08360	.05940	.06830	.03380	-.00340	.00190	-4.98780	.08320
.251	-1.114	.08700	.05180	.08210	.05930	.06910	.01560	-.00210	.00050	-4.99810	.07830
.251	-.299	.08540	.05230	.08040	.05960	.06920	.00050	-.00080	-.00070	-4.98290	.06790
.251	.346	.09110	.05120	.08620	.05910	.07020	-.00210	.00040	-.00100	-4.98510	.07080
.251	.679	.08790	.05120	.08300	.05880	.07010	-.01180	.00110	-.00130	-4.98060	.07530
.251	1.152	.08940	.05060	.08460	.05840	.07020	-.01770	.00170	-.00200	-4.99060	.09050
.251	2.108	.09180	.04960	.08700	.05760	.06910	-.03540	.00320	-.00310	-4.97790	.06790
.251	3.168	.09050	.04930	.08570	.05720	.06760	-.05360	.00490	-.00470	-4.99550	.09070
.251	4.155	.09410	.04840	.08940	.05660	.06670	-.06950	.00640	-.00610	-4.99570	.09550
.251	6.163	.09820	.04600	.09370	.05450	.06270	-.10310	.00950	-.00920	-4.98780	.07810
.251	8.155	.10770	.04380	.10330	.05330	.05740	-.14090	.01370	-.01270	-4.97730	.05830
.251	10.097	.11230	.04070	.10820	.05050	.05330	-.17670	.01750	-.01540	-4.96020	.05520
	GRADIENT	.00060	-.00033	.00063	-.00027	.00010	-.01637	.00157	-.00126	-.00038	.00194

ARC 218-1-12 OA101 (OV102) (R2Q020) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 178/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.118	.27920	.04710	.27370	.07250	-.02180	.10890	-.01080	.00900	5.01410	.03440
.251	-4.203	.27530	.04880	.26970	.07390	-.01960	.07090	-.00710	.00560	5.02390	.01500
.251	-2.127	.27340	.04980	.26770	.07460	-.01680	.03450	-.00350	.00220	4.99240	.04210
.250	-1.123	.27410	.05000	.26840	.07480	-.01610	.01550	-.00190	.00070	5.03120	.01230
.250	-.277	.27560	.05070	.26980	.07570	-.01630	-.00110	-.00030	-.00070	5.01450	.03000
.250	.334	.27550	.04920	.26980	.07420	-.01450	-.00140	.00030	-.00080	4.99500	.05440
.250	.679	.27550	.04960	.26990	.07460	-.01490	-.01020	.00100	-.00140	5.03420	.02030
.250	1.132	.27600	.04910	.27030	.07410	-.01570	-.01700	.00170	-.00190	5.00960	.03490
.251	2.136	.27960	.04840	.27400	.07370	-.01660	-.03530	.00340	-.00350	5.01220	.04230
.251	3.166	.27560	.04810	.27010	.07310	-.01760	-.05440	.00520	-.00500	5.01030	.03070
.251	4.159	.28010	.04750	.27460	.07290	-.01960	-.07090	.00690	-.00690	5.00740	.03760
.251	6.166	.28550	.04510	.28020	.07100	-.02260	-.10800	.01070	-.01050	5.01200	.02750
.251	8.118	.29010	.04290	.28490	.06930	-.02520	-.14630	.01510	-.01400	5.01010	.03540
	GRADIENT	.00060	-.00023	.00062	-.00019	.00000	-.01669	.00166	-.00143	-.00093	.00209

ARC 218-1-12 OA101 (OV102) (R2Q02.) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 179/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.250	-6.115	.37200	.05350	.36540	.08800	-.06620	.11010	-.01130	.00910	9.97750	-.00790
.250	-4.196	.36870	.05450	.36200	.08860	-.06310	.07190	-.00730	.00570	9.97110	.00710
.251	-2.118	.36610	.05560	.35940	.08930	-.06120	.03320	-.00330	.00240	9.95460	.01080
.250	-1.114	.36610	.05600	.35930	.08970	-.06020	.01500	-.00190	.00050	9.94990	.01980
.250	-.298	.36510	.05690	.35830	.09040	-.05990	-.00280	.00010	-.00080	9.98110	-.01540
.250	.667	.36770	.05550	.36100	.08930	-.05890	-.01070	.00100	-.00130	9.96900	-.00320
.251	1.144	.36730	.05470	.36070	.08840	-.05920	-.01720	.00180	-.00220	9.96900	.00900
.250	2.132	.36820	.05430	.36160	.08810	-.06010	-.03690	.00360	-.00370	9.97130	-.00550
.250	3.156	.37050	.05370	.36390	.08770	-.06120	-.05460	.00540	-.00550	9.96080	.00480
.250	4.157	.37210	.05370	.36550	.08790	-.06280	-.07380	.00750	-.00710	9.97920	-.01790
.251	6.166	.37650	.05120	.37020	.08580	-.06590	-.11090	.01140	-.01090	9.97090	-.00940
.251	8.130	.37660	.04920	.37040	.08380	-.06880	-.14990	.01600	-.01470	9.96900	.00090
.250	10.095	.38240	.04660	.37640	.08180	-.07240	-.18790	.02030	-.01800	9.97300	-.00330
	GRADIENT	.00051	-.00021	.00053	-.00019	.00008	-.01696	.00172	-.00149	.00120	-.00246

ARC 218-1-12 OA101 (OV102) (R2Q022) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 183/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.044	.25350	.02440	.24490	.07000	.10100	.09860	-.00850	.01390	-9.96010	-.04590
.251	-4.163	.25320	.02620	.24410	.07240	.10470	.06440	-.00550	.00940	-9.92280	-.08700
.251	-1.983	.25750	.02540	.24850	.07220	.10550	.03090	-.00260	.00430	-9.94690	-.06010
.252	-1.106	.25660	.02590	.24750	.07250	.10560	.01720	-.00160	.00210	-10.03200	-.00460
.252	.011	.26190	.02420	.25300	.07190	.10640	-.00150	.00020	-.00050	-9.97110	-.05640
.251	.534	.26200	.02510	.25280	.07300	.10620	-.00900	.00050	-.00160	-10.01900	-.03390
.251	1.040	.25930	.02520	.25030	.07230	.10580	-.01820	.00130	-.00290	-10.04500	-.00800
.251	2.094	.25960	.02480	.25070	.07180	.10530	-.03380	.00260	-.00530	-10.04000	-.00240
.252	3.137	.25550	.02440	.24670	.07080	.10490	-.05050	.00390	-.00770	-9.92930	-.10220
.251	4.113	.25850	.02380	.24990	.07050	.10470	-.06710	.00520	-.01020	-9.91700	-.09460
.251	6.137	.26170	.02230	.25330	.06970	.10050	-.10010	.00820	-.01470	-10.03600	.01580
.251	8.053	.26890	.02000	.26070	.06860	.09700	-.13560	.01160	-.01920	-9.95020	-.07260
.251	10.153	.27070	.01860	.26290	.06730	.09360	-.17620	.01650	-.02380	-10.04100	.02070
	GRADIENT	.00043	-.00026	.00048	-.00022	-.00003	-.01588	.00129	-.00236	-.00076	-.00134

ARC 218-1-12 OA101 (OV102) (R2Q023) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 182/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	C3L	ELEVON	AILRON
.251	-6.169	.34780	.01700	.33880	.08050	.05860	.10280	-.00960	.01430	-5.03440	.14450
.252	-4.126	.34800	.01700	.33880	.08110	.06160	.06640	-.00590	.00940	-4.95670	.06600
.252	-1.998	.34820	.01700	.33900	.08110	.06380	.03210	-.00280	.00430	-4.87800	-.01800
.251	-1.123	.35110	.01720	.34180	.08210	.06450	.01670	-.00150	.00220	-5.03740	.16170
.251	.010	.35190	.01630	.34290	.08060	.06460	-.00190	.00020	-.00050	-4.90850	.01770
.251	.514	.34920	.01740	.34000	.08120	.06450	-.01040	.00080	-.00160	-4.98100	.08590
.250	1.040	.35150	.01690	.34240	.08140	.06420	-.01840	.00120	-.00300	-5.02110	.11110
.251	2.082	.35150	.01570	.34270	.07980	.06350	-.03620	.00290	-.00570	-4.92580	.02000
.250	3.108	.35290	.01600	.34390	.08080	.06340	-.05180	.00430	-.00800	-4.98830	.06830
.251	4.109	.35270	.01470	.34410	.07910	.06120	-.06860	.00580	-.01040	-4.95280	.02830
.251	6.046	.36030	.01310	.35180	.07910	.05800	-.10270	.00910	-.01520	-4.91610	.00540
.251	8.173	.36310	.01170	.35480	.07800	.05460	-.14030	.01310	-.01990	-4.85870	-.02220
.250	10.275	.37690	.00860	.36870	.07840	.05010	-.18230	.01800	-.02530	-4.98310	.06860
	GRADIENT	.00061	-.00025	.00067	-.00022	-.00004	-.01641	.00140	-.00241	-.00278	-.00198

ARC 218-1-12 OA101 (OV102) (R2Q024) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 181/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.250	-6.108	.53250	.01170	.52100	.11050	-.02570	.10330	-.01030	.01460	5.03670	.01280
.250	-4.125	.53380	.01200	.52200	.11200	-.02150	.06520	-.00620	.00930	5.00210	.05180
.251	-1.986	.53010	.01260	.51830	.11210	-.01900	.02990	-.00260	.00420	5.00440	.05410
.251	-1.056	.53040	.01290	.51860	.11230	-.01870	.01580	-.00140	.00200	5.01150	.05140
.251	.054	.51580	.01460	.50450	.10850	-.01860	-.00410	.00040	-.00090	5.00730	.04720
.251	.525	.51560	.01500	.50420	.10880	-.01850	-.01170	.00100	-.00170	5.01260	.03290
.251	1.021	.51290	.01550	.50170	.10820	-.01920	-.02030	.00180	-.00320	5.00240	.05210
.251	2.142	.52880	.01240	.51720	.11100	-.01950	-.04050	.00380	-.00620	5.01730	.01320
.251	3.158	.53150	.01190	.52000	.11080	-.02070	-.05460	.00500	-.00840	5.01260	.03290
.251	4.162	.53290	.01090	.52150	.11000	-.02220	-.07350	.00700	-.01090	5.01710	.03740
.251	6.117	.54230	.00920	.53100	.11030	-.02700	-.10790	.01040	-.01610	5.01700	.03250
.251	8.120	.54470	.00740	.53380	.10850	-.02960	-.14650	.01470	-.02140	5.03690	.01810
.251	10.099	.54530	.00600	.53470	.10710	-.03180	-.18670	.01960	-.02660	4.99530	.05470
	GRADIENT	-.00021	-.00010	-.00016	-.00027	-.00012	-.01673	.00156	-.00245	.00168	-.00328

ARC 218-1-12 OA101 (OV102) (R2Q025) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 180/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.250	-6.078	.62680	.01780	.61250	.13440	-.07110	.10510	-.01070	.01480	9.96730	-.00190
.250	-4.095	.63060	.01730	.61600	.13630	-.06740	.06680	-.00650	.00920	9.95460	-.00600
.250	-2.007	.62800	.01790	.61320	.13650	-.06540	.03310	-.00290	.00420	9.97310	-.00360
.250	-1.073	.62640	.01810	.61170	.13620	-.06470	.01600	-.00130	.00180	9.96880	-.01550
.250	.053	.62920	.01680	.61440	.13650	-.06430	-.00470	.00050	-.00090	9.96080	-.01600
.250	.565	.62950	.01630	.61490	.13580	-.06410	-.01370	.00160	-.00200	9.95680	.01300
.250	1.083	.62430	.01720	.60980	.13480	-.06450	-.02290	.00240	-.00360	9.95230	-.00770
.251	2.139	.62820	.01730	.61370	.13520	-.06600	-.04090	.00420	-.00610	9.95660	-.00340
.251	3.155	.62770	.01670	.61340	.13430	-.06650	-.05700	.00560	-.00840	9.97110	-.00110
.251	4.189	.63100	.01550	.61680	.13400	-.06780	-.07520	.00740	-.01120	9.95610	-.00740
.251	6.110	.63740	.01390	.62340	.13360	-.07190	-.11020	.01100	-.01620	9.99190	-.01380
.250	8.122	.64240	.01190	.62870	.13210	-.07500	-.15000	.01550	-.02180	9.97700	-.01140
.250	10.086	.64180	.01060	.62850	.13020	-.07710	-.18860	.02020	-.02720	9.97530	-.00140
	GRADIENT	-.00002	-.00021	.00004	-.00032	-.00009	-.01728	.00168	-.00246	-.00031	.00049

ARC 218-1-12 OA101 (OV102) (R20026) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 196/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.252	-35.117	-.42370	.12780	-.42290	.13050	.18370	-.03190	.00170	-.00010	-.05780
.252	-29.987	-.41390	.11770	-.41310	.12050	.18340	-.03440	.00260	.00280	.06570
.253	-25.209	-.42920	.10640	-.42860	.10910	.19370	-.03690	.00290	-.00020	.12620
.252	-20.107	-.40110	.08610	-.40060	.08820	.18200	-.03550	.00210	-.00110	-.04800
.252	-15.044	-.32550	.07300	-.32510	.07460	.15040	-.03660	.00230	-.00130	.00230
.252	-10.023	-.23800	.06300	-.23780	.06370	.11250	-.03690	.00250	-.00140	-.00010
.252	-4.998	-.14170	.05860	-.14150	.05920	.06970	-.03860	.00280	-.00180	.07330
.252	.004	-.04810	.05640	-.04800	.05640	.02680	-.04110	.00330	-.00220	.00120
.252	5.004	.04000	.06030	.04000	.06030	-.01520	-.04010	.00330	-.00250	.01930
.252	9.984	.13050	.06790	.13060	.06790	-.05770	-.04030	.00320	-.00270	-.01000
.252	14.975	.22390	.08000	.22370	.08050	-.10270	-.04040	.00360	-.00340	-.01920
.251	20.174	.30900	.09760	.30870	.09870	-.14500	-.04170	.00380	-.00370	.15530
	GRADIENT	.01871	-.00044	.01869	-.00056	-.00858	-.00050	.00010	-.00008	-.01441

ARC 218-1-12 OA101 (OV102) (R2Q027) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = 2.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 197/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.252	-35.112	-.17640	.11900	-.18620	.10300	.17730	-.03030	.00180	-.00200	-.02800
.252	-29.992	-.18370	.11390	-.19300	.09720	.18580	-.03390	.00350	.00160	.07960
.253	-25.059	-.20060	.10060	-.20870	.08250	.19440	-.03490	.00290	-.00180	.00500
.253	-20.085	-.16200	.08130	-.16850	.06670	.17970	-.03420	.00270	-.00240	-.05360
.252	-15.047	-.08320	.06570	-.08880	.05800	.14800	-.03510	.00300	-.00270	-.00990
.252	-10.022	.00690	.05360	.00200	.05400	.11110	-.03640	.00310	-.00310	-.00900
.253	-4.956	.09960	.04770	.09470	.05670	.06880	-.03710	.00320	-.00360	.04100
.253	-.006	.19470	.04350	.18980	.06150	.02520	-.03650	.00340	-.00350	.00560
.252	5.001	.28590	.04540	.28040	.07220	-.01600	-.03690	.00350	-.00360	.05030
.252	9.969	.37880	.05020	.37230	.08610	-.06040	-.03730	.00390	-.00390	-.00810
.252	14.973	.47280	.06090	.46470	.10640	-.10490	-.03770	.00390	-.00460	-.02600
.251	20.186	.55850	.07690	.54830	.13110	-.14730	-.03730	.00380	-.00410	.15830
	GRADIENT	.01923	-.00085	.01921	.00097	-.00881	-.00028	.00004	.00002	-.00715

ARC 218-1-12 OA101 (OV102) (R2Q028) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 198/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.251	-35.137	.05250	.09640	.03420	.10430	.18290	-.02930	.00280	-.00360	-.02820
.252	-29.987	.04700	.08940	.03000	.09640	.18960	-.03170	.00350	-.00120	.07320
.252	-25.057	.02270	.07260	.00930	.07550	.20150	-.03010	.00240	-.00360	-.01640
.252	-20.107	.08790	.05290	.07680	.06800	.17620	-.02990	.00250	-.00470	-.05340
.252	-15.039	.16750	.03750	.15770	.06770	.14540	-.03100	.00270	-.00520	-.00230
.253	-10.021	.25430	.02370	.24560	.07020	.10740	-.03220	.00300	-.00520	.00730
.253	-4.983	.35000	.01470	.34130	.07920	.06490	-.03200	.00310	-.00550	.06790
.252	-.005	.44490	.01050	.43500	.09410	.02230	-.03180	.00310	-.00580	.01000
.252	4.993	.53530	.01160	.52340	.11280	-.01950	-.03460	.00320	-.00560	.02290
.252	9.977	.63300	.01640	.61840	.13610	-.06670	-.03540	.00360	-.00560	-.00810
.251	14.973	.73170	.02740	.71290	.16710	-.11410	-.03500	.00360	-.00650	-.01190
.251	20.163	.82610	.04320	.80240	.20110	-.16070	-.03560	.00360	-.00590	.16580
	GRADIENT	.01857	-.00031	.01825	.00337	-.00846	-.00026	.00001	-.00001	-.00451

ARC 218-1-12 OA101 (OV102) (R2Q029) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 204/ 0 RN/L = 7.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
.250	-10.065	.02870	.06500	.02220	.06750	.09930	.03060	-.01190	-.03610	-10.09500
.250	-7.563	.02580	.06170	.01970	.06390	.10260	.02440	-.00920	-.02770	-10.09200
.250	-5.010	.02130	.05810	.01550	.05990	.10510	.01670	-.00610	-.01870	-10.03100
.249	-4.007	.02180	.05740	.01620	.05930	.10590	.01320	-.00500	-.01470	-10.03900
.249	-2.997	.01790	.05720	.01230	.05860	.10680	.01030	-.00380	-.01140	-9.99980
.248	-1.993	.01900	.05640	.01340	.05800	.10750	.00750	-.00260	-.00770	-10.00300
.248	-.994	.01790	.05600	.01240	.05750	.10750	.00340	-.00130	-.00400	-10.05700
.248	.011	.01900	.05590	.01350	.05740	.10740	-.00040	-.00010	-.00030	-10.02100
.249	.977	.01800	.05590	.01250	.05740	.10730	-.00280	.00100	.00320	-10.03800
.249	1.997	.01750	.05630	.01200	.05770	.10810	-.00440	.00210	.00680	-10.03700
.249	3.024	.02040	.05640	.01480	.05810	.10710	-.00740	.00350	.01050	-10.00200
.249	4.050	.01980	.05710	.01410	.05870	.10660	-.00920	.00440	.01400	-9.98190
.249	5.051	.01990	.05750	.01420	.05920	.10680	-.01320	.00570	.01770	-9.96070
	GRADIENT	-.00006	-.00006	-.00006	-.00008	.00008	-.00287	.00118	.00360	.00290

ARC 218-1-12 OA101 (OV102) (R2Q030) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 203/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
.249	-10.000	.38450	.06340	.37600	.10230	-.06330	.03160	-.00280	-.03910	9.99530
.250	-7.518	.38630	.05910	.37820	.09830	-.06340	.02340	-.00200	-.03020	9.98100
.250	-4.989	.38820	.05570	.38050	.09500	-.06390	.01540	-.00130	-.02090	10.04400
.250	-3.976	.38740	.05480	.37980	.09410	-.06430	.01130	-.00090	-.01700	10.03600
.250	-2.984	.38690	.05410	.37940	.09330	-.06380	.00740	-.00030	-.01300	10.01600
.250	-2.021	.38950	.05390	.38200	.09340	-.06420	.00500	-.00020	-.00920	9.98890
.250	-.986	.39070	.05330	.38320	.09300	-.06480	.00180	.00000	-.00510	9.99440
.250	-.004	.39040	.05340	.38290	.09300	-.06460	-.00060	.00020	-.00090	9.96500
.250	.943	.38850	.05330	.38100	.09270	-.06440	-.00270	.00030	.00290	9.95080
.250	1.967	.39270	.05360	.38520	.09350	-.06440	-.00520	.00080	.00710	9.93630
.250	2.949	.39100	.05340	.38350	.09310	-.06430	-.00770	.00110	.01080	9.94200
.250	3.974	.38830	.05400	.38080	.09340	-.06380	-.01120	.00140	.01490	9.94980
.250	4.994	.38860	.05480	.38100	.09420	-.06300	-.01390	.00170	.01880	9.95900
	GRADIENT	.00020	-.00009	.00021	-.00007	.00005	-.00280	.00028	.00400	-.01040

ARC 218-1-12 OA101 (OV102) (R2Q031) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 227/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
.251	-10.004	-.05960	.06840	-.05940	.06850	.02810	.02920	-.00680	-.03670	-.02210
.252	-7.495	-.05950	.06430	-.05930	.06450	.02860	.02230	-.00520	-.02800	-.02320
.253	-4.954	-.05740	.06110	-.05730	.06120	.02830	.01530	-.00360	-.01840	.03020
.252	-3.949	-.05680	.06030	-.05670	.06040	.02820	.01120	-.00270	-.01480	.03160
.252	-2.933	-.05610	.05990	-.05600	.06000	.02790	.00830	-.00220	-.01150	.03070
.251	-1.966	-.05540	.05930	-.05520	.05950	.02780	.00390	-.00140	-.00790	.01010
.252	-.982	-.05710	.05920	-.05700	.05940	.02810	.00130	-.00080	-.00430	.00030
.251	.015	-.05540	.05860	-.05520	.05870	.02760	-.00270	.00000	-.00060	-.01970
.251	1.023	-.05740	.05880	-.05730	.05890	.02830	-.00450	.00060	.00310	-.00010
.251	2.002	-.05820	.05890	-.05800	.05900	.02820	-.00840	.00140	.00640	-.01300
.251	2.995	-.05920	.05900	-.05910	.05910	.02850	-.01080	.00210	.01020	-.02730
.251	4.024	-.06260	.05950	-.06250	.05960	.02960	-.01320	.00290	.01390	-.00530
.251	5.039	-.06350	.06050	-.06330	.06060	.02990	-.01620	.00350	.01720	.01260
	GRADIENT	-.00048	-.00019	-.00048	-.00019	.00010	-.00319	.00071	.00361	-.00609

ARC 218-1-12 OA101 (OV102) (R20032) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 228/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
.251	-10.008	.16910	.05720	.16350	.07160	.02420	.02960	-.00800	-.03830	-.01350
.251	-7.528	.16830	.05290	.16310	.06720	.02540	.02220	-.00620	-.02920	-.02130
.251	-4.959	.16850	.05010	.16350	.06440	.02580	.01570	-.00420	-.01910	.03000
.251	-3.970	.16910	.04940	.16420	.06390	.02540	.01310	-.00340	-.01530	.02130
.251	-2.946	.17200	.04920	.16710	.06390	.02490	.00950	-.00270	-.01180	.01480
.250	-1.973	.17250	.04830	.16770	.06300	.02450	.00600	-.00180	-.00800	.01230
.250	-.005	.17340	.04840	.16860	.06320	.02440	-.00110	-.00010	-.00060	-.00990
.251	1.010	.17270	.04780	.16790	.06260	.02450	-.00520	.00090	.00320	.00840
.251	1.985	.17140	.04790	.16660	.06260	.02450	-.00800	.00160	.00680	-.00110
.251	2.991	.17030	.04820	.16550	.06270	.02490	-.01230	.00250	.01060	-.00300
.251	4.029	.16840	.04870	.16360	.06310	.02510	-.01500	.00320	.01430	-.01780
.251	5.023	.16750	.04920	.16270	.06350	.02590	-.01760	.00390	.01820	.01200
	GRADIENT	.00005	-.00018	.00006	-.00017	-.00007	-.00352	.00084	.00373	-.00432

ARC 218-1-12 OA101 (OV102) (R2Q033) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 205/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
.249	-10.017	.20610	.05550	.19960	.07580	.02170	.03220	-.00800	-.03910	-.01980
.249	-7.513	.20410	.05070	.19800	.07070	.02260	.02550	-.00630	-.02930	-.02120
.248	-4.950	.20470	.04800	.19890	.06820	.02320	.01610	-.00410	-.01960	.03480
.249	-3.935	.20440	.04740	.19870	.06750	.02230	.01320	-.00340	-.01580	.00180
.248	-2.941	.20500	.04700	.19930	.06710	.02280	.01120	-.00280	-.01210	.01950
.248	-1.959	.20390	.04600	.19830	.06600	.02240	.00650	-.00180	-.00820	.01260
.248	-.977	.20570	.04610	.20000	.06630	.02230	.00320	-.00100	-.00470	-.00470
.248	.008	.20450	.04570	.19900	.06580	.02260	-.00090	.00000	-.00060	-.01750
.248	1.030	.20760	.04560	.20200	.06610	.02220	-.00330	.00070	.00300	-.01310
.248	1.998	.20710	.04630	.20150	.06670	.02220	-.00510	.00170	.00700	-.00890
.248	3.010	.20550	.04610	.19990	.06630	.02290	-.00790	.00260	.01060	-.01710
.249	4.020	.20460	.04650	.19890	.06660	.02310	-.01090	.00330	.01450	.00520
.248	5.043	.20430	.04760	.19860	.06770	.02360	-.01440	.00420	.01830	-.00750
	GRADIENT	.00017	-.00017	.00018	-.00015	.00000	-.00308	.00085	.00381	-.00384

ARC 218-1-12 OA101 (OV102) (R20034) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 229/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
.251	-10.009	.43780	.02180	.42610	.10270	.02120	.03550	-.00860	-.04070	-.02280
.251	-7.512	.43790	.01800	.42700	.09900	.02180	.02830	-.00700	-.03070	-.01590
.251	-4.952	.43620	.01460	.42590	.09550	.02310	.01790	-.00450	-.02010	.02270
.251	-3.937	.43640	.01400	.42610	.09490	.02240	.01490	-.00360	-.01600	-.00640
.251	-2.934	.43650	.01320	.42640	.09420	.02220	.01180	-.00270	-.01240	.00700
.251	-1.971	.43910	.01260	.42910	.09410	.02180	.00740	-.00160	-.00820	.00530
.251	-.953	.43950	.01210	.42960	.09370	.02190	.00370	-.00070	-.00460	-.02350
.251	-.005	.43950	.01210	.42960	.09370	.02190	-.00010	.00020	-.00060	-.02520
.251	1.037	.44110	.01220	.43120	.09410	.02180	-.00230	.00090	.00310	-.01980
.251	1.985	.44480	.01310	.43460	.09570	.02170	-.00570	.00200	.00700	-.01040
.251	3.016	.44120	.01330	.43100	.09520	.02220	-.00800	.00290	.01100	-.03840
.251	4.025	.44210	.01410	.43180	.09610	.02210	-.01150	.00390	.01510	-.00300
.251	5.034	.44040	.01510	.42990	.09680	.02200	-.01520	.00490	.01900	.00200
	GRADIENT	.00082	-.00007	.00082	.00009	-.00008	-.00332	.00093	.00391	-.00377

ARC 218-1-12 OA101 (OV102) (R20035) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 230/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
.251	-10.013	.18740	.05520	.18170	.07190	.02380	-.00630	-.00470	-.04150	-.01910
.251	-7.523	.18780	.05100	.18250	.06770	.02450	-.01390	-.00290	-.03190	-.03130
.251	-4.943	.18880	.04800	.18370	.06490	.02500	-.01980	-.00080	-.02200	.01260
.251	-3.969	.18940	.04760	.18430	.06450	.02410	-.02350	.00020	-.01830	.01610
.251	-2.939	.18910	.04690	.18410	.06380	.02390	-.02570	.00080	-.01460	.02690
.251	-1.970	.19080	.04720	.18570	.06420	.02340	-.02840	.00160	-.01080	.00950
.251	-.961	.19360	.04650	.18860	.06380	.02320	-.03120	.00250	-.00720	-.01550
.251	.000	.18940	.04660	.18450	.06350	.02370	-.03440	.00330	-.00330	-.01470
.251	1.028	.18920	.04660	.18420	.06350	.02330	-.03720	.00410	.00040	-.01050
.251	2.011	.18890	.04660	.18390	.06350	.02290	-.04050	.00480	.00390	-.02700
.251	2.993	.19010	.04720	.18500	.06410	.02350	-.04470	.00590	.00800	-.01490
.251	4.015	.18930	.04700	.18430	.06390	.02400	-.04700	.00650	.01170	.00480
.251	4.993	.18730	.04820	.18220	.06490	.02380	-.05030	.00720	.01520	-.00870
	GRADIENT	-.00012	-.00001	-.00012	-.00003	-.00008	-.00305	.00081	.00376	-.00315

ARC 218-1-12 OA101 (OV102) (R2Q036) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 207/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-7.838	-.39810	.03340	-.39020	.08580	.03460	-.01230	.00220	.01750	-.00490	5.03640
.251	-5.899	-.31240	.04370	-.30640	.07460	.03240	-.01330	.00260	.01730	-.01470	5.03620
.251	-5.380	-.28820	.04660	-.28270	.07260	.03230	-.01410	.00270	.01710	-.00750	5.02320
.251	-2.525	-.16540	.05690	-.16280	.06390	.03020	-.01600	.00310	.01690	-.01020	5.03120
.251	-.552	-.07270	.06080	-.07220	.06150	.02960	-.01430	.00300	.01690	-.01990	5.04140
.250	-.129	-.05830	.06020	-.05820	.06030	.02940	-.01650	.00320	.01700	-.00850	5.01750
.251	1.736	.02350	.05910	.02170	.05980	.02870	-.01740	.00340	.01710	-.01110	5.03000
.251	2.477	.06230	.05790	.05980	.06050	.02820	-.01610	.00350	.01720	-.00740	5.02890
.250	3.402	.09550	.05560	.09200	.06110	.02800	-.01690	.00360	.01750	-.01490	5.04140
.251	4.786	.16720	.05180	.16240	.06530	.02580	-.01720	.00380	.01780	-.01990	5.04640
.251	7.278	.26910	.04080	.26190	.07390	.02460	-.01380	.00450	.01820	-.01300	5.02780
.251	8.823	.34270	.02980	.33430	.08090	.02330	-.01420	.00460	.01840	-.02240	5.03890
.251	11.099	.44200	.01600	.43110	.09890	.02220	-.01640	.00480	.01860	-.03230	5.04880
.251	13.268	.54480	-.00040	.53100	.12180	.02380	-.01710	.00520	.01900	-.01270	5.03820
.251	16.625	.72170	-.02790	.70080	.17480	.01920	-.01900	.00560	.01880	-.01550	5.03030
.252	18.515	.83260	-.04220	.80480	.21780	.01320	-.01980	.00590	.01830	-.00750	5.01820
	GRADIENT	.04489	-.00079	.04388	.00008	-.00054	-.00024	.00011	.00012	-.00065	.00187

ARC 218-1-12 OA101 (OV102) (R2Q037) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 214/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.251	-30.069	-.43350	.12030	-.43250	.12380	.18960	-.01130	.00320	-.00270	4.98580
.251	-25.107	-.41590	.10570	-.41520	.10850	.18570	-.00760	.00430	.00210	4.95190
.252	-20.058	-.39070	.09230	-.39000	.09510	.17570	-.01120	.00600	.01110	5.01610
.252	-15.050	-.32470	.07630	-.32430	.07810	.14830	-.01340	.00520	.01580	5.03010
.252	-9.973	-.24000	.06790	-.23960	.06940	.11190	-.01430	.00450	.01720	5.05370
.252	-5.007	-.14880	.06200	-.14860	.06250	.07140	-.01790	.00430	.01740	5.01660
.252	-.013	-.05830	.06070	-.05820	.06080	.02880	-.01770	.00320	.01710	5.03860
.252	4.968	.03400	.06420	.03410	.06410	-.01410	-.01670	.00210	.01690	4.99320
.252	9.937	.12230	.07220	.12240	.07210	-.05660	-.01560	.00060	.01760	5.00140
.252	15.159	.21230	.08500	.21230	.08520	-.10010	-.01740	-.00060	.01780	5.16990
	GRADIENT	.01853	.00070	.01853	.00066	-.00861	.00020	-.00022	-.00004	-.00911

ARC 218-1-12 OA101 (OV102) (R2Q038) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 215/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.252	-30.071	-.20180	.11530	-.21090	.09770	.18590	-.00310	.00160	-.00330	4.99810
.252	-25.116	-.19020	.10300	-.19830	.08640	.18400	-.00330	.00440	.00330	4.96660
.252	-20.046	-.15930	.08650	-.16610	.07260	.17090	-.00920	.00590	.01170	5.00400
.252	-15.041	-.09240	.07260	-.09840	.06430	.14460	-.01360	.00600	.01620	4.98970
.252	-9.996	-.00610	.06030	-.01130	.05950	.10830	-.01460	.00520	.01750	5.05610
.252	-5.004	.08650	.05340	.08140	.06090	.06840	-.01650	.00440	.01820	5.00440
.252	.022	.17810	.05080	.17280	.06660	.02580	-.01630	.00380	.01800	5.02880
.252	4.961	.27150	.05160	.26560	.07620	-.01720	-.01630	.00260	.01840	5.00060
.252	9.957	.35980	.05760	.35300	.09060	-.05980	-.01530	.00100	.01860	5.00120
.251	15.149	.45200	.06990	.44350	.11190	-.10320	-.01480	-.00060	.01780	5.18060
	GRADIENT	.01891	.00016	.01879	.00194	-.00871	.00000	-.00024	.00008	-.00571

ARC 218-1-12 OA101 (OV102) (R2Q039) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 216/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.251	-30.081	.03400	.08950	.01710	.09420	.19360	-.00680	.00360	-.00200	5.00320
.251	-25.104	.05690	.07480	.04240	.08390	.18610	-.01150	.00630	.00480	4.93770
.252	-20.108	.09030	.05730	.07840	.07280	.17400	-.01780	.00810	.01430	5.05170
.252	-15.023	.16780	.04040	.15750	.07040	.14240	-.01810	.00760	.01640	5.00800
.252	-9.983	.25640	.02800	.24690	.07490	.10490	-.01840	.00680	.01810	5.05380
.252	-5.014	.34630	.01900	.33670	.08310	.06480	-.01770	.00580	.01900	5.01390
.252	.012	.43890	.01470	.42840	.09640	.02230	-.01820	.00500	.01870	5.03360
.251	4.955	.53550	.01570	.52290	.11680	-.02130	-.01810	.00380	.01920	4.98930
.251	9.943	.62350	.02100	.60800	.13980	-.06450	-.01660	.00190	.02000	5.01170
.251	15.139	.72530	.03170	.70600	.16930	-.11420	-.01790	.00010	.02080	5.17560
	GRADIENT	.01954	.00020	.01912	.00413	-.00882	.00002	-.00024	.00010	-.00896

ARC 218-1-12 OA101 (OV102) (R2Q040) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 221/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-22.911	-.05530	.07250	-.05520	.07260	.03730	-.06900	.03190	-.01930	-.05670	.03700
.251	-18.119	-.05270	.06830	-.05250	.06850	.03310	-.05690	.02610	-.01610	-.02530	.01060
.251	-14.965	-.05200	.06490	-.05190	.06500	.03110	-.04860	.02200	-.01380	-.04480	.03510
.252	-10.052	-.04910	.06140	-.04900	.06150	.02850	-.03340	.01500	-.00970	-.02610	.00580
.251	-5.010	-.05060	.05980	-.05050	.05990	.02680	-.01890	.00760	-.00510	-.02780	-.00250
.251	-2.467	-.04840	.05990	-.04810	.06010	.02630	-.01060	.00370	-.00280	-.02050	.01050
.251	.161	-.04990	.05940	-.04980	.05950	.02670	-.00420	-.00010	-.00060	-.05950	.03990
.252	2.594	-.05020	.06010	-.0500_	.06030	.02730	.00390	-.00400	.00170	-.03520	.00560
.251	5.064	-.05070	.06060	-.05040	.06080	.02700	.01270	-.00830	.00420	-.05800	.02280
.252	10.168	-.05060	.06210	-.05050	.06230	.02800	.02760	-.01570	.00860	-.07530	.05520
	GRADIENT	-.00036	.00004	-.00038	.00004	.00020	.00266	-.00152	.00089	-.00306	-.00081

ARC 218-1-12 OA101 (OV102) (R2Q041) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 222/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-22.796	.16690	.06180	.16120	.07540	.03450	-.06530	.02980	-.01780	-.01790	.01320
.251	-17.989	.17040	.05770	.16510	.07140	.02950	-.05380	.02430	-.01470	-.02770	.01310
.251	-14.955	.17120	.05540	.16610	.06910	.02760	-.04730	.02080	-.01280	-.01730	.03240
.251	-10.084	.17320	.05200	.16830	.06610	.02530	-.03290	.01430	-.00900	-.05470	.03500
.252	-5.068	.17320	.04960	.16840	.06390	.02340	-.01970	.00740	-.00490	-.05940	.03430
.252	-2.497	.17310	.05010	.16850	.06390	.02300	-.01090	.00350	-.00270	-.02240	.02250
.251	.028	.17510	.05000	.17040	.06420	.02320	-.00510	.00010	-.00070	-.02720	.03220
.252	2.537	.17480	.05070	.17010	.06480	.02360	.00400	-.00380	.00150	-.04290	.01350
.251	5.064	.17630	.04980	.17150	.06450	.02330	.01120	-.00770	.00390	-.03730	.01240
.252	10.148	.17540	.05280	.17050	.06690	.02420	.02480	-.01460	.00790	-.05460	.00000
	GRADIENT	.00034	.00012	.00032	.00018	.00012	.00296	-.00145	.00083	-.00407	-.00178

ARC 218-1-12 OA101 (OV102) (R2Q042) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 206/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.248	-22.911	.20140	.05700	.19480	.07640	.03250	-.06240	.02930	-.01800	-.02450	.00970
.248	-18.054	.20340	.05240	.19720	.07230	.02820	-.05030	.02400	-.01490	-.04200	.02160
.248	-15.063	.20630	.05060	.20030	.07080	.02660	-.04330	.02040	-.01270	.01550	-.00050
.248	-9.894	.20730	.04810	.20130	.06880	.02380	-.03020	.01410	-.00910	-.01470	.00490
.248	-4.888	.20600	.04650	.20030	.06690	.02240	-.01480	.00710	-.00500	-.04730	.00710
.249	-2.447	.20510	.04540	.19970	.06530	.02200	-.00790	.00360	-.00280	-.03950	.01420
.248	.057	.20670	.04600	.20120	.06620	.02250	-.00150	.00010	-.00070	-.02740	.00770
.248	2.613	.20650	.04630	.20090	.06640	.02260	.00700	-.00360	.00150	-.02260	.00750
.248	5.111	.20750	.04660	.20180	.06690	.02200	.01610	-.00750	.00380	-.01780	-.01740
.248	10.207	.20780	.04880	.20180	.06960	.02300	.03110	-.01430	.00820	-.02780	.00240
.251	18.233	.20560	.05390	.19920	.07410	.02840	.05060	-.02400	.01390	-.01020	.01020
.251	23.094	.20260	.05920	.19550	.07950	.03230	.06170	-.02930	.01680	.00260	.00740
	GRADIENT	.00012	.00000	.00013	-.00002	.00004	.00287	-.00142	.00086	.00344	-.00022

ARC 218-1-12 OA101 (OV102) (R2Q043) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 223/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-22.911	.44080	.02310	.42870	.10500	.03080	-.06100	.02780	-.01680	-.02270	.02780
.252	-17.928	.44270	.01960	.43120	.10240	.02690	-.05010	.02280	-.01400	-.03010	.02530
.252	-15.024	.44540	.01680	.43450	.09950	.02490	-.04450	.01960	-.01200	-.03060	.02570
.252	-9.989	.44610	.01420	.43560	.09700	.02220	-.03050	.01350	-.00870	-.03560	.03050
.252	-5.000	.44390	.01280	.43360	.09600	.02070	-.01750	.00700	-.00480	-.03010	.01070
.252	-2.397	.44680	.01240	.43640	.09650	.02030	-.00980	.00360	-.00270	-.04860	.03880
.252	.019	.44520	.01260	.43490	.09620	.02050	-.00450	.00040	-.00060	-.01840	.01350
.252	2.518	.44260	.01260	.43240	.09520	.02130	.00380	-.00320	.00120	-.03510	.01060
.251	5.026	.44730	.01240	.43720	.09570	.02110	.01160	-.00690	.00370	-.04500	.02510
.252	10.168	.44350	.01400	.43310	.09640	.02220	.02670	-.01340	.00750	-.02820	.01840
	GRADIENT	-.00021	-.00002	-.00020	-.00011	.00008	.00277	-.00135	.00080	.00057	-.00097

ARC 218-1-12 OA101 (OV102) (R2Q044) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 224/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-22.854	.70150	-.01770	.67920	.17650	.02930	-.06020	.02660	-.01610	-.04990	.03000
.250	-18.022	.70720	-.02280	.68630	.17220	.02590	-.05030	.02210	-.01330	-.02730	.02240
.251	-15.043	.70360	-.02430	.68290	.17090	.02360	-.04270	.01860	-.01140	-.03270	.01300
.251	-9.946	.70620	-.02780	.68660	.16730	.02150	-.03000	.01300	-.00830	-.03270	.01790
.251	-4.990	.70580	-.02930	.68650	.16660	.02030	-.01750	.00680	-.00470	-.04740	.02280
.251	-2.497	.70260	-.03010	.68410	.16330	.01990	-.01010	.00340	-.00270	-.01530	.02550
.251	.038	.70710	-.03010	.68810	.16570	.02000	-.00440	.00040	-.00080	-.02040	.01060
.251	2.584	.70520	-.02940	.68600	.16610	.02030	.00330	-.00320	.00110	-.02320	-.00190
.251	5.054	.70280	-.03020	.68420	.16370	.02010	.01040	-.00670	.00340	-.02730	.00770
.251	10.187	.70340	-.02830	.68410	.16580	.02140	.02460	-.01300	.00690	-.02000	.00530
	GRADIENT	.00011	-.00001	.00010	.00004	.00000	.00270	-.00131	.00076	.00266	-.00353

ARC 218-1-12 OA101 (OV102) (R2Q045) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 225/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-22.892	.19170	.05650	.18560	.07420	.03220	-.10190	.03240	-.02080	-.02250	.04280
.252	-18.022	.19600	.05270	.19020	.07080	.02870	-.08960	.02710	-.01760	-.01790	.02290
.252	-15.082	.19720	.05040	.19160	.06870	.02620	-.08100	.02350	-.01560	-.01310	.01310
.251	-9.968	.19840	.04700	.19310	.06540	.02430	-.06840	.01730	-.01180	-.02220	.03720
.252	-4.898	.19300	.04620	.19280	.06460	.02330	-.05380	.01040	-.00780	-.01830	.02830
.251	-2.457	.19570	.04610	.19050	.06430	.02270	-.04610	.00680	-.00580	-.00770	.00780
.251	.028	.19850	.04600	.19330	.06450	.02310	-.03880	.00320	-.00370	-.03020	.03020
.251	2.622	.19600	.04520	.19090	.06340	.02350	-.03060	-.00060	-.00140	-.03800	.00770
.250	5.073	.19780	.04730	.19250	.06560	.02530	-.02340	-.00410	.00080	-.03270	.02760
.252	10.138	.19560	.04770	.19030	.06580	.02580	-.00950	-.01110	.00500	-.03170	.00110
	GRADIENT	-.00013	-.00012	-.00012	-.00014	.00004	.00307	-.00146	.00085	-.00327	-.00158

ARC 218-1-12 OA101 (OV102) (R2Q046) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 208/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-7.927	-.39210	.03350	-.38410	.08580	.03340	-.01950	.00830	-.00580	-.02200	.00730
.253	-5.459	-.28190	.04700	-.27640	.07280	.03080	-.01920	.00830	-.00580	-.01950	.00490
.253	-.080	-.05070	.05950	-.05060	.05950	.02790	-.01660	.00760	-.00540	-.01500	.02000
.253	2.469	.06780	.05770	.06520	.06050	.02680	-.01810	.00760	-.00530	-.01280	-.00210
.253	5.723	.19830	.04760	.19270	.06680	.02510	-.01660	.00750	-.00540	-.01460	.00000
.252	7.188	.26960	.03860	.26280	.07130	.02410	-.01660	.00730	-.00540	-.03700	.02250
.253	8.830	.34270	.02820	.33450	.07940	.02260	-.01640	.00710	-.00520	-.01470	.00000
.253	11.027	.44170	.01230	.43160	.09460	.02270	-.01650	.00710	-.00500	-.02730	.01750
.252	13.181	.54240	-.00360	.52950	.11740	.02460	-.01730	.00710	-.00490	-.02270	-.00230
.252	16.642	.71320	-.03040	.69330	.17020	.02110	-.01650	.00690	-.00470	-.02250	.00770
.251	18.524	.82250	-.04550	.79600	.21180	.01590	-.01640	.00690	-.00480	-.03670	.01710
	GRADIENT	.04648	-.00071	.04542	.00039	-.00043	-.00059	.00000	.00004	.00086	-.00867

ARC 218-1-12 OA101 (OV102) (R20047) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 234/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.137	.19350	.04520	.18860	.06260	.01740	.09500	-.00370	.00380	-.02460	.01440
.251	-4.163	.19070	.04700	.18560	.06410	.02050	.05630	.00020	.00070	-.01500	-.02030
.251	-2.066	.18840	.04800	.18320	.06490	.02230	.02010	.00350	-.00230	-.01730	.00220
.251	-1.043	.18720	.04770	.18210	.06440	.02280	.00180	.00530	-.00360	-.02010	-.01030
.251	-.226	.18840	.04870	.18330	.06550	.02340	-.01300	.00650	-.00490	-.00490	.00000
.251	.610	.19000	.04750	.18490	.06450	.02410	-.02400	.00800	-.00570	.00270	-.00270
.251	1.074	.19270	.04630	.18770	.06350	.02360	-.02910	.00860	-.00640	-.02740	-.00300
.251	2.090	.19410	.04670	.18910	.06400	.02270	-.04790	.01020	-.00770	-.01250	-.01780
.251	3.137	.19570	.04560	.19080	.06310	.02150	-.06560	.01190	-.00920	-.02460	.01450
.251	4.147	.19660	.04550	.19160	.06320	.02020	-.08290	.01350	-.01050	-.01750	-.00780
.251	6.185	.20170	.04360	.19690	.06180	.01650	-.11960	.01710	-.01380	-.02210	.00720
.251	8.227	.20680	.04170	.20220	.06040	.01380	-.15540	.02060	-.01710	-.02710	.00710
.251	10.204	.21340	.03950	.20890	.05880	.01000	-.19210	.02460	-.02020	-.00730	.00240
	GRADIENT	.00101	-.00027	.00104	-.00018	-.00002	-.01654	.00160	-.00134	-.00054	.00147

ARC 218-1-12 0A101 (0V102) (R2Q048) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-22.800
RN/L =	5.000		

RUN NO. 233/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.146	.18530	.05690	.17940	.07340	.02960	.04690	.01940	-.00940	-.00750	-.01280
.252	-4.171	.18160	.05910	.17560	.07530	.03240	.00800	.02310	-.01240	-.00740	-.01270
.251	-2.095	.18110	.06020	.17490	.07630	.03360	-.02660	.02600	-.01510	-.01980	.00960
.251	-1.017	.18130	.06030	.17520	.07650	.03390	-.04540	.02760	-.01650	-.01710	.01220
.251	-.226	.18210	.06120	.17590	.07740	.03360	-.06050	.02890	-.01770	-.00490	.00490
.251	.598	.18900	.06000	.18280	.07680	.03410	-.07150	.03010	-.01850	-.00490	-.00490
.251	1.469	.18780	.05810	.18180	.07480	.03260	-.08530	.03130	-.02000	-.01740	-.00280
.251	2.091	.18920	.05850	.18310	.07530	.03220	-.09600	.03220	-.02060	-.01740	-.00280
.251	3.149	.19230	.05790	.18630	.07510	.03080	-.11500	.03400	-.02220	-.01010	-.00520
.251	4.138	.19360	.05680	.18770	.07410	.02890	-.13250	.03540	-.02350	-.01480	-.00500
.251	6.181	.19970	.05440	.19390	.07230	.02450	-.16640	.03790	-.02620	-.00990	-.00500
.251	8.201	.20530	.05240	.19970	.07090	.02190	-.20100	.03970	-.02800	-.00490	-.01020
.251	10.200	.20760	.05000	.20220	.06860	.01940	-.22940	.04040	-.02900	-.02700	.00720
	GRADIENT	.00172	-.00036	.00174	-.00020	-.00042	-.01677	.00149	-.00134	-.00031	-.00050

ARC 218-1-12 0A101 (0V102) (R2Q049) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 211/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-7.937	-.41750	.03720	-.40880	.09280	.04840	-.00100	-.00040	-.00090	-.01230	-.00250
.252	-5.544	-.30860	.05140	-.30240	.08010	.04600	-.00110	-.00040	-.00090	-.02740	.00280
.252	-.140	-.07560	.06370	-.07550	.06380	.04280	-.00300	-.00010	-.00090	-.02500	-.00460
.252	2.433	.04250	.06180	.03990	.06360	.04250	-.00310	-.00020	-.00090	-.02740	.00770
.252	5.764	.17550	.05230	.16950	.06940	.04100	-.00040	.00010	-.00100	-.02250	.00770
.252	8.950	.31890	.03330	.31010	.08150	.03850	.00030	.00010	-.00100	-.02730	-.00770
.252	11.035	.42070	.01650	.41010	.09500	.03870	-.00030	.00020	-.00080	-.03260	-.00730
.252	13.158	.51960	-.00030	.50660	.11540	.04060	-.00060	.00020	-.00080	-.04250	.01790
.252	16.249	.67760	-.02660	.65910	.15970	.03840	-.00030	.00020	-.00070	-.02190	.02210
.251	18.496	.80160	-.04330	.77560	.20720	.03240	-.00030	.00030	-.00080	-.02000	.00530
	GRADIENT	.04590	-.00074	.04485	-.00008	-.00012	-.00004	-.00004	.00000	-.00093	.00478

ARC 218-1-12 OA101 (OV102) (R2Q050) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 212/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-7.799	-.34690	.03790	-.33890	.08350	.00290	-.00390	.00020	-.00100	-.00520	.00540
.252	-5.335	-.23980	.05070	-.23430	.07220	.00050	-.00390	.00020	-.00090	-.01980	.02010
.252	-.101	-.00650	.06380	-.00640	.06380	-.00370	-.00530	.00050	-.00100	-.03470	.01010
.252	2.526	.11440	.06120	.11170	.06610	-.00460	-.00330	.00010	-.00090	-.02520	.01560
.252	5.723	.24690	.05170	.24070	.07550	-.00590	-.00200	.00040	-.00110	-.03240	.00270
.252	7.377	.31640	.04270	.30850	.08210	-.00710	-.00170	.00030	-.00090	-.05420	.03950
.252	8.940	.38880	.03240	.37940	.09100	-.00850	-.00050	.00010	-.00100	-.03510	.01060
.252	11.136	.48720	.01700	.47530	.10850	-.00800	-.00170	.00030	-.00090	-.02250	.00770
.252	13.313	.58980	.00120	.57440	.13370	-.00600	-.00190	.00030	-.00090	-.02240	.01270
.252	16.362	.74830	-.02290	.72580	.18340	-.00900	-.00290	.00070	-.00060	-.02730	.01750
.250	18.593	.86960	-.03830	.83850	.23390	-.01460	-.00190	.00080	-.00090	-.03510	.01060
	GRADIENT	.04602	-.00099	.04496	.00088	-.00034	.00076	-.00015	.00004	.00362	.00209

ARC 218-1-12 OA101 (OV102) (R2Q051) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 213/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-7.716	-.32550	.04450	-.31690	.08680	-.01120	-.00330	.00030	-.00090	-.02270	.02780
.252	-5.429	-.21700	.05810	-.21070	.07800	-.01290	-.00360	.00020	-.00100	-.01990	.02010
.252	-.015	.01640	.07030	.01640	.07030	-.01670	-.00400	.00040	-.00090	-.02530	.01550
.252	2.544	.13400	.06810	.13090	.07380	-.01760	-.00360	.00000	-.00090	-.01270	-.00210
.253	5.796	.26630	.05750	.25940	.08340	-.01940	-.00120	.00040	-.00100	-.01740	.01760
.252	7.245	.33640	.04850	.32790	.08940	-.02040	-.00120	.00040	-.00090	-.01510	.00530
.252	8.990	.41480	.03860	.40410	.10130	-.02260	-.00100	.00030	-.00080	-.01800	.00330
.252	11.174	.51150	.02300	.49790	.11920	-.02120	-.00150	.00040	-.00070	-.02090	.01100
.252	13.300	.60990	.00680	.59280	.14340	-.01840	-.00160	.00050	-.00090	-.02290	.00320
.251	16.490	.77040	-.01730	.74520	.19650	-.02110	.00010	.00040	-.00040	-.03020	.01550
.250	18.657	.89230	-.03370	.85840	.24610	-.02690	-.00160	.00090	-.00050	-.04480	.04000
	GRADIENT	.04594	-.00086	.04473	.00137	-.00035	.00016	-.00016	.00000	.00492	-.00688

ARC 218-1-12 OA101 (OV102) (R2Q052) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 219/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-11.627	-.07070	.06430	-.07060	.06450	.04210	-.00660	.00010	-.00070	-.01560	-.00410
.252	-7.921	-.06500	.06210	-.06480	.06220	.03770	-.00570	.00000	-.00070	-.02510	.00510
.252	-6.056	-.06340	.06100	-.06330	.06120	.03550	-.00480	.00000	-.00070	-.01280	-.00210
.251	-3.072	-.05580	.05970	-.05580	.05980	.03110	-.00530	.00010	-.00060	-.03470	.01990
.251	-.010	-.05060	.05990	-.05050	.06010	.02690	-.00540	.00010	-.00060	-.03710	.02240
.251	3.144	-.04240	.05890	-.04240	.05900	.02160	-.00580	.00010	-.00070	-.03470	.01010
.250	6.020	-.03500	.05940	-.03500	.05950	.01620	-.00530	.00010	-.00070	-.02290	.00810
.251	8.071	-.02660	.05960	-.02650	.05970	.01210	-.00550	.00010	-.00080	-.02990	.01010
.251	12.150	-.01360	.06070	-.01360	.06070	.00420	-.00580	.00020	-.00090	-.03480	.01000
.251	16.406	-.00200	.06460	-.00180	.06460	-.00440	-.00600	.00020	-.00080	-.02000	.00040
.251	22.488	.01680	.07120	.01700	.07120	-.01670	-.00510	.00030	-.00070	-.03480	.01980
	GRADIENT	.00216	-.00013	.00216	-.00013	-.00153	-.00008	.00000	.00002	.00000	-.00159

ARC 218-1-12 OA101 (OV102) (R2Q053) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 175/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.250	-11.704	.17000	.05390	.16450	.06880	.03850	.00230	-.00050	-.00040	-.01510	-.00450
.251	-8.018	.17670	.05190	.17140	.06740	.03360	.00260	-.00060	-.00020	.00010	.00990
.250	-6.045	.18150	.05140	.17620	.06720	.03130	.00130	-.00030	-.00030	-.02970	.01510
.250	-2.944	.18920	.05000	.18400	.06650	.02610	.00110	-.00040	-.00030	-.02230	.02740
.250	.119	.19740	.04900	.19220	.06630	.02120	.00160	-.00040	-.00030	-.02780	.01300
.250	3.033	.20650	.04880	.20130	.06700	.01590	.00080	-.00020	-.00030	-.01220	.00250
.251	6.010	.21210	.04840	.20690	.06700	.01040	.00230	-.00030	-.00030	-.05930	.04420
.250	8.092	.22030	.04920	.21510	.06870	.00660	.00150	-.00030	-.00050	.00270	-.00260
.250	12.099	.23010	.05120	.22460	.07150	-.00090	.00230	-.00050	-.00030	-.05220	.03750
.251	16.424	.24330	.05390	.23750	.07540	-.00920	.00160	-.00020	-.00040	-.02260	.00760
.250	22.500	.26550	.05950	.25910	.08310	-.02260	.00150	-.00010	-.00020	-.03470	.01990
	GRADIENT	.00289	-.00020	.00289	.00008	-.00171	-.00005	.00003	-.00000	.00166	-.00417

ARC 218-1-12 OA101 (OV102) (R2Q054) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 187/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-11.713	.17770	.05100	.17170	.06840	.04070	.00020	.00030	-.00060	.00530	.02570
.252	-8.028	.18520	.04870	.17950	.06660	.03580	.00050	.00030	-.00060	.06610	-.03950
.252	-6.089	.18620	.04770	.18050	.06590	.03320	-.00100	.00030	-.00020	-.08730	.11300
.251	-2.955	.19270	.04640	.18710	.06530	.02920	-.00090	.00030	.00000	-.10980	.12550
.251	-.071	.20000	.04550	.19460	.06490	.02460	-.00090	.00040	-.00050	.05550	-.03950
.251	3.013	.20760	.04490	.20230	.06470	.01930	-.00010	.00030	-.00050	.02660	-.03660
.251	6.030	.21690	.04600	.21140	.06700	.01330	.00030	.00030	-.00050	.08450	-.07950
.251	8.092	.22160	.04600	.21590	.06770	.00980	-.00030	.00040	-.00050	-.04140	.05230
.251	12.027	.23290	.04790	.22710	.07070	.00180	.00050	.00030	-.00060	-.05030	.02480
.251	16.469	.24650	.05070	.24030	.07470	-.00590	.00070	.00020	-.00070	-.03830	.02300
	22.500	.26910	.05670	.26220	.08280	-.02000	-.00030	.00050	-.00050	.09810	-.08750
	GRADIENT	.00250	-.00025	.00255	-.00010	-.00166	.00014	-.00000	-.00008	.02248	-.02684

ARC 218-1-12 OA101 (OV102) (R2Q055) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 220/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-11.781	.42100	.01590	.41060	.09440	.03720	-.00120	.00030	-.00080	-.02000	.00530
.251	-8.132	.42830	.01400	.41820	.09360	.03250	-.00110	.00040	-.00080	-.06240	.04280
.251	-6.002	.43230	.01260	.42240	.09300	.03000	-.00180	.00040	-.00080	-.04240	.01710
.251	-3.008	.43880	.01300	.42850	.09540	.02570	-.00210	.00060	-.00070	-.02000	.00530
.251	-.050	.44430	.01300	.43380	.09650	.02090	-.00180	.00050	-.00080	-.02780	.01300
.251	3.043	.45460	.01220	.44430	.09720	.01580	-.00180	.00040	-.00080	-.02000	.01510
.251	5.920	.45750	.01210	.44720	.09740	.01070	-.00190	.00050	-.00070	-.01040	-.00950
.251	8.061	.46770	.01300	.45690	.10120	.00680	-.00120	.00030	-.00090	-.07310	.05820
.251	12.099	.48080	.01410	.46940	.10490	-.00090	-.00240	.00060	-.00080	-.03230	.00770
.251	16.253	.49200	.01590	.48030	.10750	-.00960	-.00040	.00050	-.00060	-.03750	-.01220
	22.500	.51350	.02250	.50010	.11890	-.02210	-.00160	.00060	-.00070	-.05750	.02730
	GRADIENT	.00262	-.00013	.00262	.00030	-.00164	.00005	-.00003	-.00002	.00002	.00161

ARC 218-1-12 OA101 (OV102) (R2Q056) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 271/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.250	-8.017	-.39140	.02520	-.38440	.07810	.02490	-.00010	-.00050	-.00060	-.00470	.01000
.251	-5.552	-.28130	.03910	-.27640	.06530	.02210	-.00130	-.00040	-.00070	-.02960	.01430
.251	-4.690	-.24400	.04220	-.23990	.06140	.02150	-.00200	-.00020	-.00100	-.01230	-.00250
.251	-.161	-.05070	.05050	-.05060	.05060	.01870	-.00330	-.00010	-.00080	.01580	.04090
.251	2.662	.07590	.04740	.07360	.05090	.01720	-.00080	-.00040	-.00080	-.02440	.01960
.251	4.955	.17660	.04060	.17250	.05540	.01620	-.00100	-.00020	-.00080	-.00260	-.00260
.251	5.617	.20780	.03730	.20330	.05710	.01600	.00000	.00000	-.00090	-.00470	.00510
.251	7.123	.27750	.02890	.27200	.06230	.01510	.00120	.00000	-.00100	-.02190	.02210
.251	8.847	.35330	.01890	.34650	.07180	.01350	.00000	.00010	-.00100	-.01700	.01720
.251	11.042	.45060	.00370	.44200	.08790	.01370	.00070	-.00010	-.00080	-.01950	.01950
.250	13.227	.55150	-.01210	.54030	.11150	.01650	.00110	-.00010	-.00090	-.01490	-.00020
.250	16.418	.71210	-.03680	.69460	.16110	.01360	.00140	-.00010	-.00080	-.00690	.00290
.249	18.662	.83090	-.05230	.80570	.20980	.00790	.00210	.00010	-.00080	-.01730	.00220
	GRADIENT	.04365	-.00007	.04280	-.00072	-.00055	.00015	-.00001	.00002	-.00012	.00012

ARC 218-1-12 OA101 (OV102) (R2Q057) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 256/ 0 RN/L = 7.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.250	-8.100	-.38750	.02330	-.38060	.07630	.02370	-.00070	-.00040	-.00040	.00760	.01310
.252	-5.522	-.27410	.03760	-.26940	.06310	.02020	.00020	-.00060	-.00040	-.00280	.00280
.252	-.130	-.04100	.05010	-.04090	.05010	.01710	.00000	-.00060	-.00030	-.01970	-.00510
.251	2.684	.08240	.04710	.08010	.05080	.01600	-.00090	-.00030	-.00030	-.01960	.01460
.251	5.655	.21420	.03750	.20960	.05800	.01350	.00170	-.00030	-.00040	-.00320	-.00190
.251	7.231	.28920	.02790	.28360	.06330	.01270	.00150	-.00040	-.00050	-.01300	-.00190
.251	8.971	.36670	.01750	.35980	.07320	.01110	.00110	-.00020	-.00040	-.00320	-.00190
.251	11.214	.47030	.00240	.46130	.09170	.01170	.00130	-.00020	-.00020	-.00760	.00280
.251	13.416	.56720	-.01350	.55550	.11540	.01390	.00160	-.00030	-.00020	-.01790	.00290
.250	16.709	.73960	-.03760	.72050	.17140	.01060	.00070	-.00010	-.00030	-.02310	-.00230
.250	18.989	.86480	-.05250	.83680	.22470	.00480	.00140	.00010	-.00040	-.01740	-.00280
	GRADIENT	.04386	-.00107	.04301	.00025	-.00039	-.00032	.00011	.00000	.00004	.00700

ARC 218-1-12 OA101 (OV102) (R2Q058) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 259/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.188	-.26360	.03260	-.25950	.05670	.01240	.10530	-.00930	-.00070	-.01290	.00790
.251	-4.182	-.27250	.03520	-.26800	.06090	.01590	.07110	-.00660	-.00050	-.02470	.02470
.251	-2.088	-.27400	.03710	-.26920	.06310	.01850	.03580	-.00390	-.00060	-.00100	.00100
.251	.045	-.27490	.03800	-.27000	.06400	.01940	-.00220	-.00040	-.00050	-.00800	-.01160
.251	2.034	-.26960	.03680	-.26500	.06180	.01820	-.03870	.00290	-.00060	-.00560	.01090
.251	4.145	-.26470	.03440	-.26040	.05880	.01560	-.07520	.00600	-.00080	-.00370	.00370
.251	6.131	-.26070	.03270	-.25650	.05680	.01190	-.10870	.00860	-.00090	-.01290	.00790
.251	7.437	-.25170	.03110	-.24770	.05410	.00930	-.12970	.01010	-.00080	-.01770	.01770
	GRADIENT	.00096	-.00009	.00093	-.00026	-.00004	-.01767	.00154	-.00003	.00180	-.00158

ARC 218-1-12 0A101 (0V102) (R20059) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BOFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 260/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.348	-.02250	.04580	-.02260	.04580	.00680	.11120	-.00980	.00380	-.00480	.01480
.251	-4.263	-.03080	.04860	-.03070	.04860	.01130	.07520	-.00710	.00230	-.01290	.01830
.251	-3.175	-.03280	.04870	-.03270	.04870	.01320	.05560	-.00550	.00180	-.00540	-.01500
.251	-2.101	-.03390	.04970	-.03390	.04970	.01440	.03710	-.00390	.00090	.00700	.00340
.251	-1.080	-.03470	.05020	-.03460	.05030	.01510	.01800	-.00220	.00020	-.00040	.00570
.250	-.002	-.04060	.05070	-.04040	.05080	.01570	-.00170	-.00040	-.00030	-.04700	.02690
.251	.535	-.03840	.05020	-.03820	.05030	.01580	-.01100	.00040	-.00080	.00300	-.00790
.251	1.067	-.03430	.05040	-.03420	.05050	.01530	-.02140	.00120	-.00110	-.00100	.01190
.251	2.121	-.03020	.04970	-.03020	.04970	.01430	-.04030	.00300	-.00200	-.02110	.02610
.251	3.153	-.03010	.04890	-.03010	.04890	.01320	-.05850	.00460	-.00270	-.01140	.01140
.251	4.197	-.02750	.04800	-.02740	.04800	.01150	-.07690	.00630	-.00360	-.00590	.01680
.251	6.239	-.02030	.04520	-.02030	.04520	.00680	-.11020	.00910	-.00530	-.01880	-.01560
.251	8.210	-.01450	.04210	-.01450	.04210	.00170	-.14040	.01100	-.00630	-.00870	-.01100
.250	10.273	-.00670	.03940	-.00670	.03940	-.00210	-.17360	.01290	-.00730	-.02630	.03130
	GRADIENT	.00041	-.00002	.00041	-.00002	.00003	-.01805	.00159	-.00070	-.00063	.00181

ARC 218-1-12 OA101 (OV102) (R2Q060) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 257/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.215	.21320	.03450	.20910	.05410	.00580	.10620	-.00930	.00810	-.01720	.02760
.252	-4.235	.21000	.03670	.20570	.05590	.00930	.07180	-.00670	.00560	-.01970	.03000
.252	-2.124	.20590	.03810	.20160	.05680	.01250	.03630	-.00370	.00270	-.01000	.01530
.251	-1.084	.20640	.03860	.20200	.05730	.01280	.01890	-.00220	.00100	-.02010	.01500
.252	-.211	.20530	.03910	.20090	.05770	.01330	.00230	-.00080	-.00010	-.02680	.02700
.252	.624	.20650	.03800	.20220	.05670	.01430	-.00900	.00060	-.00130	-.01200	.01730
.252	1.104	.20770	.03790	.20340	.05670	.01390	-.01670	.00120	-.00180	.00970	-.01480
.251	2.149	.21000	.03760	.20570	.05660	.01280	-.03520	.00290	-.00330	-.01910	.02490
.251	3.197	.21050	.03670	.20630	.05580	.01210	-.05360	.00450	-.00460	-.01950	.01950
.252	4.222	.21000	.03590	.20580	.05500	.01030	-.06960	.00590	-.00610	-.02200	.02200
.252	6.274	.21680	.03330	.21280	.05300	.00610	-.10540	.00890	-.00900	-.00490	.00490
.251	8.311	.22090	.03030	.21720	.05040	.00110	-.13890	.01140	-.01180	-.03160	.04160
.251	10.317	.22600	.02780	.22250	.04840	-.00160	-.17290	.01410	-.01440	-.00860	.00860
	GRADIENT	.00031	-.00015	.00033	-.00013	.00011	-.01673	.00151	-.00137	-.00008	-.00074

ARC 218-1-12 0A101 (0V102) (R2Q061) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 261/ 0 RN/L = 7.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.136	.47290	.00100	.46430	.09010	.00340	.09970	-.00830	.01400	-.00230	.00260
.250	-4.157	.47470	.00100	.46580	.09160	.00740	.06520	-.00540	.01000	-.01510	-.00960
.250	-2.053	.47430	.00230	.46510	.09290	.00960	.03280	-.00290	.00490	-.05230	.04720
.250	-1.130	.47020	.00250	.46120	.09190	.01020	.01820	-.00180	.00250	-.03580	.02110
.251	.008	.45650	.00390	.44790	.08840	.01030	-.00090	-.00010	-.00040	.01380	-.00850
.251	.505	.45480	.00430	.44620	.08830	.01030	-.00830	.00040	-.00160	-.01350	-.01710
.250	1.001	.45390	.00470	.44530	.08800	.00990	-.01590	.00100	-.00290	-.02580	-.00920
.250	2.159	.47340	.00170	.46440	.09170	.00980	-.03440	.00260	-.00590	-.02710	.02730
.250	3.146	.47370	.00080	.46490	.09090	.00870	-.05190	.00380	-.00840	-.00780	.00810
.250	4.222	.47700	.00000	.46830	.09060	.00760	-.06860	.00510	-.01100	-.00070	-.00430
.251	6.199	.48470	-.00160	.47620	.09040	.00350	-.10350	.00830	-.01570	-.02510	.01040
.251	8.292	.48570	-.00460	.47780	.08710	-.00210	-.13910	.01090	-.01970	-.03490	.02980
.251	10.266	.49310	-.00590	.48520	.08810	-.00350	-.17510	.01450	-.02450	-.01280	.01280
	GRADIENT	.00009	-.00013	.00012	-.00019	-.00001	-.01603	.00127	-.00252	.00291	-.00100

ARC 218-1-12 0A101 (0V102) (R2Q062) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 262/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.250	-5.776	.75290	-.04310	.73420	.17240	.00270	.09100	-.00550	.01610	-.04540	.03530
.251	-3.911	.74380	-.04000	.72490	.17140	.00730	.05860	-.00390	.01090	-.00250	.03780
.250	-2.069	.74540	-.03940	.72630	.17260	.00870	.03300	-.00250	.00530	-.00500	.02000
.251	-.012	.74520	-.03930	.72600	.17250	.00900	-.00090	.00010	-.00030	.03090	.00010
.251	2.083	.74360	-.03940	.72470	.17100	.00760	-.03460	.00250	-.00610	-.00260	.03290
.251	4.088	.74610	-.04130	.72770	.17000	.00560	-.06620	.00430	-.01200	.00750	.01850
.251	6.130	.75250	-.04390	.73460	.16910	.00030	-.09940	.00610	-.01780	.00520	.03090
.251	7.071	.75200	-.04440	.73430	.16780	-.00340	-.11440	.00660	-.02040	.00270	.03260
	GRADIENT	.00013	-.00013	.00020	-.00022	-.00023	-.01575	.00106	-.00284	.00108	-.00121

ARC 218-1-12 OA101 (OV102) (R20063) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 269/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-22.815	-.28320	.05330	-.27670	.08040	.03150	-.05720	.02730	-.01660	-.01470	-.00490
.251	-18.032	-.28160	.04860	-.27560	.07550	.02690	-.04860	.02260	-.01400	-.01230	-.00250
.251	-15.053	-.27990	.04510	-.27420	.07190	.02400	-.04180	.02020	-.01280	-.00750	-.01280
.251	-10.042	-.27780	.04060	-.27260	.06730	.02050	-.03090	.01450	-.00960	-.04650	.01700
.251	-4.939	-.27700	.03800	-.27210	.06460	.01880	-.01470	.00700	-.00500	-.01960	.01460
.251	-2.417	-.27680	.03780	-.27180	.06440	.01790	-.00630	.00290	-.00230	-.00310	.00310
.251	.019	-.27640	.03770	-.27150	.06420	.01820	-.00070	-.00060	-.00030	-.01020	.01020
.251	2.518	-.27850	.03800	-.27350	.06470	.01850	.00700	-.00470	.00210	-.02240	.02250
.251	5.102	-.27840	.03860	-.27330	.06530	.01910	.01420	-.00840	.00430	-.02200	.00730
.251	10.050	-.27880	.04140	-.27350	.06810	.02070	.02980	-.01600	.00890	-.02930	.02930
	GRADIENT	-.00017	-.00000	-.00016	.00000	-.00002	.00285	-.00156	.00094	-.00061	.00123

ARC 218-1-12 OA101 (OV102) (R20064) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 265/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-22.796	-.04520	.06610	-.04500	.06620	.02910	-.05880	.02730	-.01630	.00520	-.00010
.251	-18.075	-.04410	.06030	-.04400	.06040	.02420	-.04870	.02230	-.01370	.00280	.03220
.251	-14.955	-.04070	.05770	-.04060	.05780	.02130	-.04250	.01960	-.01250	.00720	.01280
.251	-9.999	-.03940	.05350	-.03930	.05360	.01730	-.03180	.01390	-.00900	-.00230	.01230
.251	-4.960	-.03840	.05110	-.03820	.05120	.01600	-.01670	.00670	-.00470	-.01940	.03500
.251	-2.497	-.03740	.05030	-.03730	.05030	.01540	-.00970	.00310	-.00250	-.00500	.01510
.251	.085	-.03840	.05030	-.03820	.05030	.01550	-.00300	-.00040	-.00030	-.00740	.02740
.251	2.594	-.03800	.05100	-.03790	.05110	.01550	.00440	-.00400	.00180	-.03100	.05200
.251	5.111	-.03880	.05130	-.03870	.05140	.01570	.01130	-.00760	.00390	-.01700	.01230
.251	10.305	-.04020	.05420	-.04010	.05430	.01800	.02610	-.01480	.00820	-.00240	.00240
	GRADIENT	.00001	-.00001	-.00000	-.00001	-.00006	.00277	-.00141	.00086	-.00149	.00253

ARC 218-1-12 OA101 (OV102) (R2Q065) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 255/ 0 RN/L = 7.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-22.825	.17500	.05510	.16970	.07000	.02900	-.05910	.02680	-.01620	-.02960	.02480
.251	-18.022	.17780	.04900	.17300	.06410	.02340	-.04630	.02160	-.01330	-.02440	.01470
.251	-14.975	.18120	.04630	.17660	.06170	.02080	-.04130	.01900	-.01210	-.01500	.00520
.251	-9.968	.18510	.04250	.18080	.05830	.01710	-.02820	.01310	-.00860	-.00760	.00760
.251	-4.836	.18500	.04040	.18090	.05610	.01550	-.01440	.00640	-.00450	-.03700	.03210
.251	-2.367	.18470	.03980	.18060	.05550	.01520	-.00720	.00300	-.00240	-.04400	.02930
.250	.095	.18440	.04020	.18030	.05590	.01480	-.00140	-.00030	-.00040	-.03450	.01990
.251	2.565	.18530	.04000	.18120	.05570	.01490	.00670	-.00380	.00170	-.01010	-.00460
.251	5.140	.18430	.04080	.18010	.05650	.01540	.01250	-.00710	.00370	-.00980	.00490
.251	10.148	.18380	.04370	.17940	.05930	.01690	.02690	-.01380	.00770	-.01740	.01740
	GRADIENT	.00002	-.00003	.00002	-.00003	-.00009	.00280	-.00137	.00084	.00366	-.00485

ARC 218-1-12 OA101 (OV102) (R2Q066) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 266/ 0 RN/L = 7.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-22.902	.45870	.01670	.44720	.10310	.02340	-.05470	.02570	-.01550	-.01990	.01990
.251	-17.957	.46330	.01160	.45270	.09900	.01850	-.04580	.02100	-.01300	-.02200	.02200
.251	-14.883	.46170	.00910	.45160	.09630	.01570	-.03960	.01810	-.01140	-.03190	.02680
.251	-10.116	.46490	.00520	.45560	.09300	.01230	-.02720	.01240	-.00820	.00010	.01050
.251	-4.888	.46590	.00320	.45690	.09130	.01040	-.01340	.00610	-.00420	-.01500	.01500
.251	-2.407	.46640	.00290	.45740	.09110	.01000	-.00770	.00280	-.00220	-.01970	.02000
.251	.038	.46420	.00270	.45540	.09040	.00970	-.00130	-.00030	-.00030	-.00750	.00780
.251	2.565	.46680	.00240	.45790	.09070	.01020	.00500	-.00330	.00160	-.01480	.00970
.251	5.130	.46690	.00370	.45780	.09190	.01020	.01180	-.00650	.00340	-.02500	-.00050
.251	9.992	.46600	.00580	.45650	.09390	.01240	.02580	-.01270	.00710	-.00700	.01260
	GRADIENT	.00002	-.00010	.00004	-.00010	-.00004	.00248	-.00126	.00078	.00051	-.00113

ARC 218-1-12 OA101 (OV102) (R20067) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 267/ 0 RN/L = 7.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.250	-22.708	.73730	-.02470	.71460	.18330	.02190	-.05340	.02510	-.01490	-.00970	.01470
.250	-18.075	.73760	-.02910	.71610	.17910	.01650	-.04450	.02060	-.01270	-.01900	.03470
.251	-15.053	.73590	-.03210	.71530	.17590	.01380	-.03680	.01750	-.01090	-.03170	.03180
.250	-9.936	.74120	-.03570	.72130	.17390	.01010	-.02610	.01200	-.00770	-.02410	.03940
.250	-4.764	.74040	-.03750	.72110	.17210	.00880	-.01330	.00600	-.00410	-.00450	.01990
.250	-2.407	.74310	-.03810	.72390	.17220	.00820	-.00690	.00290	-.00220	-.01950	.03020
.250	.057	.74180	-.03830	.72260	.17170	.00820	-.00140	-.00020	-.00020	-.00680	.02250
.250	2.575	.74340	-.03790	.72410	.17250	.00880	.00540	-.00330	.00160	-.02910	.03440
.250	5.083	.74290	-.03730	.72350	.17300	.00910	.01170	-.00640	.00330	-.02940	.05940
.250	9.943	.74270	-.03550	.72270	.17470	.01030	.02480	-.01230	.00700	-.03910	.03420
	GRADIENT	.00031	-.00006	.00031	.00003	.00000	.00252	-.00127	.00078	-.00250	.00146

ARC 218-1-12 OA101 (OV102) (R20068) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 17.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = .000
RN/L = 8.000

RUN NO. 268/ 0 RN/L = 7.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.249	-22.863	.86080	-.03880	.82870	.23630	.01490	-.05420	.02550	-.01460	-.00960	.02460
.249	-18.032	.86430	-.04350	.83340	.23330	.01030	-.04520	.02100	-.01230	.03130	-.01070
.249	-15.043	.86860	-.04650	.83840	.23190	.00730	-.03920	.01810	-.01080	.00540	-.00520
.250	-9.957	.86700	-.05000	.83800	.22800	.00460	-.02670	.01240	-.00730	-.03210	.03720
.250	-4.909	.86870	-.05210	.84020	.22660	.00300	-.01310	.00640	-.00380	-.01190	.01740
.249	-2.467	.86920	-.05280	.84100	.22610	.00250	-.00740	.00310	-.00200	-.01740	.01760
.250	.028	.86670	-.05260	.83850	.22550	.00260	-.00130	.00020	-.00010	-.03210	.01190
.249	2.603	.86760	-.05260	.83940	.22580	.00250	.00580	-.00310	.00200	-.00530	.01030
.249	5.102	.86870	-.05190	.84020	.22680	.00280	.01330	-.00630	.00370	-.02680	.01720
.250	10.001	.86690	-.04970	.83780	.22830	.00460	.02430	-.01210	.00730	-.03420	.01950
	GRADIENT	-.00023	-.00005	-.00020	-.00012	-.00006	.00251	-.00125	.00077	.00024	-.00108

ARC 218-1-12 OA101 (OV102) (R2Q069) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 264/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-8.115	-.38690	.02460	-.37980	.07750	.02150	-.01460	.00700	-.00530	-.00970	.00990
.251	-5.615	-.27340	.03820	-.26850	.06400	.01900	-.01400	.00680	-.00510	-.01510	-.00530
.251	-.132	-.03740	.05120	-.03730	.05120	.01570	-.01450	.00660	-.00480	-.01470	.00000
.251	2.685	.08480	.04820	.08250	.05210	.01390	-.01470	.00640	-.00470	-.02450	.00480
.251	5.675	.21810	.03790	.21340	.05880	.01280	-.01290	.00630	-.00450	-.03970	.02020
.251	7.245	.28810	.02900	.28230	.06430	.01170	-.01340	.00620	-.00430	-.04440	.01420
.251	8.980	.36790	.01830	.36080	.07420	.01040	-.01280	.00610	-.00430	-.02700	.00720
.251	11.221	.47270	.00250	.46360	.09230	.01090	-.01310	.00610	-.00410	-.01490	.00470
.251	13.427	.57220	-.01290	.56020	.11710	.01300	-.01290	.00600	-.00420	-.01510	-.00530
.250	16.676	.74100	-.03710	.72170	.17180	.00940	-.01230	.00590	-.00400	.00750	.00750
.247	18.959	.88440	-.05340	.85580	.22950	.00320	-.01410	.00660	-.00350	-.02200	.02200
	GRADIENT	.04339	-.00107	.04254	.00032	-.00064	-.00007	-.00007	.00004	-.00348	.00170

ARC 218-1-12 OA101 (OV102) (R2Q070) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 258/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.274	.21020	.03460	.20610	.05400	.00700	.09360	-.00310	.00460	-.01740	.01740
.251	-4.234	.20680	.03700	.20250	.05590	.00990	.05750	-.00010	.00160	-.00510	.01010
.251	-2.113	.20460	.03820	.20020	.05680	.01310	.02050	.00310	-.00160	-.00040	.01060
.251	-1.085	.20270	.03860	.19830	.05700	.01370	.00480	.00450	-.00310	-.00080	.01580
.251	-.228	.20120	.03940	.19670	.05760	.01390	-.01220	.00610	-.00420	-.01770	.01770
.251	.626	.20570	.03850	.20140	.05710	.01480	-.02340	.00720	-.00540	.00150	-.00150
.251	1.100	.20670	.03750	.20240	.05620	.01440	-.03130	.00810	-.00590	-.00830	.00340
.252	2.124	.20770	.03760	.20340	.05640	.01330	-.04910	.00940	-.00730	-.00320	.00850
.252	3.207	.21050	.03670	.20630	.05590	.01150	-.06690	.01100	-.00910	-.00390	.00410
.252	4.214	.20950	.03640	.20530	.05550	.01010	-.08420	.01250	-.01030	-.02490	.01980
.252	6.280	.21810	.03380	.21410	.05380	.00610	-.11800	.01490	-.01340	.00230	.00300
.251	8.306	.22190	.03060	.21820	.05100	.00070	-.15130	.01700	-.01550	.00230	-.00720
.251	10.286	.22750	.02830	.22390	.04930	-.00140	-.18540	.01950	-.01790	-.00390	.00410
	GRADIENT	.00066	-.00015	.00068	-.00009	-.00002	-.01665	.00149	-.00140	-.00142	-.00008

ARC 218-1-12 OA101 (OV102) (R2Q071) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = .000
RN/L = 8.000

RUN NO. 270/ 0 RN/L = 7.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-22.787	.21430	.05130	.20850	.07140	.02430	-.09350	.02880	-.01860	.00800	-.00800
.251	-17.946	.21440	.04630	.20910	.06640	.01940	-.08190	.02360	-.01590	-.00730	.00730
.251	-14.995	.21680	.04360	.21170	.06390	.01680	-.07460	.02070	-.01430	-.00980	.02040
.251	-9.936	.22080	.03970	.21610	.06040	.01270	-.06420	.01580	-.01110	.02130	-.02640
.251	-4.898	.22050	.03700	.21600	.05770	.01150	-.04960	.00910	-.00730	.01830	-.00830
.251	-2.407	.21880	.03690	.21430	.05740	.01170	-.04330	.00590	-.00510	-.01710	.01710
.251	-.039	.21840	.03630	.21400	.05680	.01170	-.03710	.00270	-.00320	-.00960	.04500
.251	2.613	.21900	.03650	.21450	.05700	.01200	-.02910	-.00070	-.00120	-.04190	.02710
.251	5.045	.21770	.03710	.21320	.05760	.01270	-.02310	-.00410	.00070	-.01490	.00470
.251	10.080	.21440	.03950	.20970	.05970	.01480	-.01010	-.01040	.00490	-.01950	.01950
	GRADIENT	-.00019	-.00008	-.00019	-.00011	.00006	.00272	-.00131	.00081	-.00700	.00530

ARC 218-1-12 OA101 (OV102) (R20072) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 8.000

RUN NO. 263/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-7.952	-.38080	.02370	-.37410	.07480	.02050	-.03660	.00260	-.00010	.01030	.02070
.252	-5.661	-.27520	.03620	-.27040	.06240	.01800	-.03610	.00250	-.00040	.00610	.04590
.252	-.114	-.03540	.04930	-.03540	.04930	.01420	-.04100	.00300	-.00200	.01230	.00870
.251	2.144	.06490	.04760	.06310	.04990	.01300	-.04110	.00320	-.00240	.02820	-.00250
.251	2.687	.08910	.04650	.08690	.05050	.01270	-.04110	.00310	-.00260	-.00640	.02780
.252	5.558	.21880	.03620	.21440	.05680	.01220	-.03610	.00290	-.00330	-.01230	.00230
.252	7.247	.29570	.02710	.29010	.06330	.01050	-.03160	.00230	-.00410	-.01200	.01240
.252	8.981	.37150	.01680	.36460	.07330	.00940	-.03190	.00250	-.00430	.02080	.01020
.252	11.207	.47120	.00150	.46230	.09090	.00940	-.03290	.00270	-.00560	-.00520	.00520
.252	13.473	.57720	-.01480	.56550	.11680	.01120	-.03230	.00260	-.00580	-.06830	.07330
.250	16.716	.74710	-.03950	.72820	.17170	.00780	-.03250	.00230	-.00610	-.00190	.01280
.250	18.770	.85760	-.05310	.83090	.21870	.00220	-.03190	.00190	-.00680	-.03690	.02670
	GRADIENT	.04444	-.00093	.04365	.00038	-.00053	-.00004	.00005	-.00020	-.00266	.00337

ARC 218-1-12 OA101 (OV102) (R20073) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 254/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-11.704	.15810	.04520	.15370	.05860	.03310	-.00010	-.00050	-.00050	-.00810	-.00190
.251	-9.175	.16370	.04370	.15940	.05760	.02920	-.00160	-.00020	-.00040	-.00280	.00280
.252	-6.035	.17030	.04160	.16610	.05610	.02480	-.00170	-.00020	-.00030	-.01010	.00520
.253	-3.019	.17560	.04060	.17150	.05550	.01980	-.00150	-.00030	-.00040	-.03000	.00050
.253	.030	.18370	.03980	.17960	.05540	.01540	-.00130	-.00030	-.00050	-.00040	.00570
.252	3.064	.18920	.03930	.18510	.05540	.01020	-.00060	-.00030	-.00070	-.01510	.01000
.252	6.010	.19850	.03950	.19440	.05650	.00420	-.00110	-.00030	-.00040	-.01500	.01500
.251	8.051	.20400	.03980	.19980	.05720	.00060	-.00150	-.00040	-.00040	-.00520	.00520
.251	12.068	.21710	.04200	.21270	.06060	-.00790	-.00250	-.00020	-.00050	-.02720	.02230
.252	16.541	.23190	.04460	.22720	.06450	-.01640	-.00140	-.00030	-.00040	-.00730	.00730
.252	22.500	.25170	.05140	.24630	.07310	-.02950	-.00230	-.00010	-.00040	-.01740	.01250
	GRADIENT	.00224	-.00021	.00224	-.00002	-.00158	.00015	-.00000	-.00005	.00246	.00156

ARC 218-1-12 OA101 (OV102) (R20174) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 286/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.248	-7.934	-.38510	.02640	-.37800	.07790	.02660	-.00270	-.00030	-.00070	-.00050	-.01430
.249	-5.501	-.27430	.03910	-.26950	.06440	.02380	-.00220	-.00020	-.00080	-.00310	-.00180
.248	-.125	-.04390	.05180	-.04380	.05190	.02050	-.00280	-.00030	-.00070	-.02720	.01250
.248	2.681	.08050	.04840	.07820	.05210	.01850	-.00230	-.00030	-.00060	-.02500	.03000
.248	5.612	.20930	.03860	.20470	.05850	.01800	-.00070	.00010	-.00090	-.01720	-.00250
.248	7.124	.27960	.02990	.27390	.06360	.01680	-.00090	.00020	-.00080	-.01730	-.00260
.248	8.814	.35410	.01990	.34710	.07270	.01570	-.00200	.00020	-.00070	-.02690	.01710
.248	10.995	.45410	.00450	.44530	.08900	.01560	-.00160	.00020	-.00050	-.03920	.01940
.247	13.188	.55410	-.01120	.54270	.11250	.01750	-.00150	.00020	-.00080	-.02220	-.00270
.247	16.392	.71500	-.03580	.69720	.16250	.01510	-.00180	.00020	-.00040	-.00960	.01970
.246	18.591	.83670	-.05160	.81120	.21120	.00930	-.00090	.00040	-.00050	-.03180	.03180
	GRADIENT	.04434	-.00121	.04348	.00007	-.00071	.00018	.00000	.00004	.00078	.00624

ARC 218-1-12 OA101 (OV102) (R20075) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 287/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.248	-7.739	-.37370	.02610	-.36710	.07480	.02510	-.03690	.00290	-.00040	-.02030	-.00010
.248	-5.536	-.27310	.03850	-.26830	.06390	.02250	-.03800	.00290	-.00070	-.02050	-.00950
.248	-.090	-.03970	.05070	-.03960	.05080	.01920	-.04050	.00310	-.00240	-.00830	-.01190
.248	2.691	.08480	.04800	.08250	.05190	.01700	-.04130	.00340	-.00270	-.01760	.00260
.248	5.489	.20870	.03820	.20420	.05760	.01710	-.03550	.00310	-.00370	-.02520	.01030
.248	7.131	.28330	.02980	.27750	.06400	.01570	-.03020	.00280	-.00420	-.01490	.01990
.248	8.815	.35780	.01970	.35080	.07300	.01400	-.03080	.00290	-.00450	-.02760	.00790
.248	11.030	.45900	.00480	.45000	.09050	.01400	-.03150	.00290	-.00600	-.02230	.02230
.248	13.216	.55860	-.01150	.54700	.11350	.01580	-.03170	.00300	-.00620	-.01990	.01500
.247	16.399	.71640	-.03600	.69860	.16280	.01330	-.03150	.00270	-.00590	-.02760	.00790
.248	18.434	.82740	-.05120	.80280	.20660	.00900	-.03190	.00230	-.00680	-.02740	-.00230
	GRADIENT	.04477	-.00097	.04391	.00040	-.00079	-.00029	.00011	-.00011	-.00334	.00521

ARC 218-1-12 OA101 (OV102) (R20076) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 289/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.254	-6.172	.20260	.03800	.19830	.05630	.01080	.10700	-.00980	.00820	-.01210	.01720
.255	-4.161	.19840	.03960	.19400	.05740	.01370	.06920	-.00670	.00540	-.01220	.00740
.254	-2.107	.19530	.04020	.19090	.05770	.01580	.03420	-.00360	.00220	-.02190	.01720
.255	-1.044	.19760	.04050	.19310	.05920	.01650	.01680	-.00220	.00070	-.00720	.00750
.255	-.235	.19420	.04120	.18970	.05850	.01730	-.00080	-.00060	-.00040	-.02200	.01220
.255	.608	.19500	.03950	.19060	.05690	.01830	-.01230	.00090	-.00140	-.03170	.03180
.255	1.073	.19650	.03930	.19210	.05690	.01800	-.01740	.00160	-.00210	-.01700	.01230
.254	2.099	.20000	.03930	.19560	.05720	.01720	-.03570	.00310	-.00350	-.00770	.00290
.254	3.159	.19850	.03820	.19420	.05600	.01590	-.05390	.00470	-.00500	-.02680	.02200
.254	4.151	.20400	.03770	.19970	.05600	.01450	-.07140	.00650	-.00650	-.02970	.02490
.254	6.208	.20560	.03570	.20150	.05430	.01110	-.10720	.00970	-.00950	-.01270	.00280
.255	8.217	.21030	.03350	.20630	.05250	.00740	-.14260	.01290	-.01210	-.01950	.01960
.254	10.221	.21580	.03170	.21200	.05120	.00470	-.17860	.01650	-.01540	-.02730	.01750
	GRADIENT	.00061	-.00028	.00063	-.00023	.00014	-.01678	.00159	-.00141	-.00151	.00145

ARC 218-1-12 OA101 (OV102) (R2Q077) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = -5.000
RN/L = 5.000

RUN NO. 290/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.254	-6.214	.20270	.03750	.19840	.05590	.01180	.09110	-.00270	.00390	-.02680	.02690
.254	-4.164	.19970	.03920	.19530	.05730	.01510	.05390	.00040	.00090	-.01740	.02250
.254	-2.069	.19840	.04030	.19390	.05810	.01690	.01840	.00380	-.00220	-.01260	.01270
.254	-1.046	.19550	.04050	.19100	.05800	.01770	-.00040	.00560	-.00360	-.01710	.01220
.254	-.216	.19210	.04160	.18750	.05880	.01750	-.01600	.00690	-.00500	-.01740	.02250
.253	.608	.19420	.04050	.18980	.05790	.01910	-.02730	.00830	-.00590	-.00500	.01540
.254	1.075	.19850	.03970	.19410	.05750	.01880	-.03360	.00920	-.00660	-.01020	.01020
.254	2.100	.19950	.03940	.19510	.05730	.01760	-.05140	.01070	-.00810	-.01200	.01730
.254	3.157	.19920	.03930	.19480	.05720	.01630	-.07020	.01240	-.00960	-.01200	.01730
.254	4.131	.20120	.03890	.19680	.05700	.01500	-.08690	.01400	-.01100	-.01690	.02220
.254	6.200	.20630	.03670	.20200	.05540	.01190	-.12170	.01680	-.01380	-.00510	.00530
.254	8.231	.21130	.03430	.20730	.05350	.00790	-.15590	.01950	-.01670	-.02420	.02950
.254	10.212	.21850	.03290	.21450	.05290	.00560	-.19130	.02240	-.01920	-.02200	.02200
	GRADIENT	.00029	-.00011	.00030	-.00009	.00002	-.01685	.00164	-.00143	.00039	.00009

ARC 218-1-12 OA101 (OV102) (R2Q078) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = -5.000
RN/L = 5.000

RUN NO. 288/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.249	-7.919	-.38130	.02740	-.37420	.07820	.02610	-.01800	.00850	-.00580	-.01490	.01500
.249	-5.500	-.27350	.04110	-.26850	.06640	.02350	-.01650	.00820	-.00580	.00470	.00540
.249	-.123	-.04090	.05320	-.04080	.05330	.02040	-.01590	.00770	-.00540	.00730	-.00230
.249	2.691	.08280	.04990	.08040	.05370	.01830	-.01640	.00760	-.00510	-.01480	.02000
.249	5.615	.21080	.04000	.20600	.06000	.01750	-.01330	.00730	-.00510	-.00750	.01260
.253	7.109	.28020	.03170	.27430	.06540	.01670	-.01400	.00720	-.00510	.00950	-.00430
.254	8.796	.35320	.02160	.34600	.07410	.01550	-.01330	.00700	-.00490	-.00520	.00030
.253	13.213	.55560	-.01030	.54390	.11400	.01770	-.01360	.00700	-.00470	-.02200	.00730
.252	16.402	.71670	-.03440	.69840	.16450	.01540	-.01300	.00680	-.00440	-.02230	.00280
.253	18.656	.84080	-.05070	.81470	.21430	.00920	-.01350	.00710	-.00430	-.04450	.00500
	GRADIENT	.04395	-.00117	.04306	.00014	-.00075	-.00018	-.00004	.00011	-.00785	.00792

ARC 218-1-12 0A101 (0V102) (R2Q079) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 7.500
RN/L = 5.000

RUN NO. 291/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-22.949	.17820	.05670	.17260	.07190	.03010	-.06420	.02970	-.01750	-.00210	.01810
.254	-18.000	.17770	.05060	.17270	.06570	.02490	-.05430	.02520	-.01570	.01260	-.00230
.253	-15.130	.18030	.04800	.17550	.06330	.02270	-.04730	.02160	-.01350	-.00480	.00980
.253	-9.968	.18230	.04470	.17780	.06020	.01960	-.03110	.01430	-.00930	-.01930	.02470
.254	-5.010	.18350	.04180	.17920	.05740	.01770	-.01750	.00730	-.00480	-.01310	.02370
.253	-2.497	.18330	.04140	.17910	.05700	.01720	-.01040	.00360	-.00250	-.03590	.03590
.254	.019	.18390	.04120	.17970	.05680	.01690	-.00250	-.00020	-.00050	-.02340	.03380
.253	2.565	.18530	.04160	.18100	.05740	.01730	.00380	-.00390	.00180	-.01560	.03090
.254	5.102	.18330	.04220	.17950	.05780	.01760	.01270	-.00770	.00410	-.02760	.03760
.254	10.089	.18230	.04520	.17770	.06070	.01960	.02650	-.01490	.00840	.00440	.01060
	GRADIENT	.00040	.00004	.00038	.00008	.00002	.00280	-.00148	.00085	.00401	-.00099

ARC 218-1-12 0A101 (0V102) (R2Q080) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 15.000 RUDDER = .000
RN/L = 5.000

RUN NO. 317/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-7.959	-.39190	.02870	-.38440	.08120	.02880	-.00190	.00000	-.00080	.01000	.01000
.253	-5.468	-.27950	.04200	-.27440	.06770	.02610	-.00090	-.00010	-.00070	.01260	.01740
.252	-.080	-.04950	.05450	-.04940	.05450	.02350	-.00200	.00010	-.00070	.00030	.02970
.253	2.682	.07010	.05060	.06760	.05370	.02210	-.00220	.00010	-.00070	.00520	.02480
.253	4.994	.17530	.04400	.17090	.05880	.02000	-.00240	.00020	-.00060	.01520	.02980
.254	7.064	.26910	.03290	.26320	.06510	.01910	-.00150	.00060	-.00070	.00800	.03730
.254	8.779	.34380	.02260	.33650	.07370	.01740	-.00110	.00060	-.00090	.01030	.02500
.254	10.965	.44370	.00750	.43460	.08990	.01800	-.00030	.00050	-.00050	.01020	.02480
.254	13.167	.54480	-.00880	.53310	.11270	.02030	.00040	.00060	-.00040	.01020	.02980
.253	16.363	.70580	-.03280	.68760	.16260	.01790	.00100	.00070	-.00010	.01510	.02000
.252	18.591	.83230	-.04880	.80620	.21250	.01170	.00120	.00090	.00010	.01030	.03470
	GRADIENT	.04427	-.00205	.04338	.00081	-.00068	-.00008	.00002	.00002	.00290	-.00004

ARC 218-1-12 OA101 (OV102) (R2Q081) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 15.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 321/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.254	-7.908	-.38590	.02950	-.37850	.08080	.02880	-.01770	.00840	-.00580	-.01250	.02250
.253	-5.491	-.28000	.04280	-.27480	.06860	.02630	-.01810	.00850	-.00570	-.02510	.04010
.254	-.089	-.04580	.05490	-.04570	.05500	.02300	-.01650	.00780	-.00550	.00280	.01750
.253	2.641	.06950	.05210	.06700	.05520	.02200	-.01680	.00760	-.00520	-.01470	.01470
.253	5.569	.20030	.04280	.19530	.06160	.01980	-.01510	.00760	-.00510	.00050	.03470
.253	7.072	.27110	.03420	.26500	.06660	.01870	-.01490	.00740	-.00480	-.00520	.04530
.254	8.813	.34860	.02380	.34110	.07580	.01710	-.01550	.00730	-.00490	.00290	.03710
.253	10.995	.44920	.00850	.43970	.09210	.01740	-.01580	.00730	-.00460	.00540	.02980
.253	13.198	.54930	-.00710	.53700	.11550	.01950	-.01560	.00720	-.00470	-.00730	.04240
.253	16.387	.70740	-.03180	.68880	.16430	.01700	-.01570	.00720	-.00430	.00290	.03220
	GRADIENT	.04224	-.00103	.04129	.00007	-.00037	-.00011	-.00007	.00011	-.00641	-.00103

ARC 218-1-12 OA101 (OV102) (R2Q082) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 319/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.254	-6.110	.19310	.03970	.18870	.05720	.01380	.10350	-.00960	.00780	-.01240	.02260
.254	-4.155	.19150	.04120	.18690	.05850	.01640	.06680	-.00650	.00510	.00520	.02480
.254	-2.093	.19010	.04190	.18560	.05890	.01880	.03160	-.00330	.00230	.00770	.02730
.254	-1.037	.18650	.04230	.18190	.05900	.01960	.01250	-.00150	.00060	.00530	.02970
.254	-.202	.18680	.04260	.18220	.05930	.02010	-.00230	-.00030	-.00060	.00690	.03310
.254	.647	.18770	.04190	.18320	.05860	.02140	-.01350	.00130	-.00150	-.00720	.02220
.254	1.052	.19120	.04110	.18670	.05820	.02090	-.01860	.00200	-.00210	-.01690	.02700
.253	2.090	.19060	.04140	.18610	.05850	.01990	-.03660	.00350	-.00370	-.01540	.02050
.254	3.136	.19380	.04050	.18940	.05790	.01850	-.05430	.00520	-.00510	-.02070	.02590
.254	4.137	.19850	.03990	.19410	.05770	.01720	-.07250	.00690	-.00650	-.01540	.02540
.254	6.192	.20010	.03760	.19590	.05570	.01420	-.10810	.01030	-.00980	-.00720	.02220
.254	8.207	.20600	.03580	.20190	.05450	.00980	-.14310	.01380	-.01290	-.01950	.01470
.253	10.211	.21160	.03400	.20760	.05320	.00650	-.18140	.01790	-.01620	-.01200	.03200
	GRADIENT	.00080	-.00019	.00082	-.00013	.00011	-.01655	.00162	-.00140	-.00384	-.00036

ARC 218-1-12 OA101 (OV102) (R2Q083) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 15.000 RUDDER = .000
RN/L = 5.000

RUN NO. 318/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-7.766	-.38260	.02930	-.37540	.07930	.02840	-.03880	.00350	-.00050	.01770	.01230
.255	-5.525	-.28360	.04080	-.27860	.06710	.02620	-.04070	.00350	-.00110	-.00470	.02470
.254	-.071	-.04910	.05290	-.04900	.05300	.02250	-.04120	.00350	-.00250	.00260	.00750
.254	2.724	.07590	.04970	.07350	.05320	.02030	-.04090	.00370	-.00300	.01020	.02480
.254	5.479	.19710	.04000	.19250	.05820	.02010	-.03650	.00360	-.00390	.00520	.01980
.254	7.107	.27090	.03190	.26510	.06450	.01910	-.03210	.00320	-.00450	.00740	.02260
.254	8.771	.34720	.02190	.34010	.07340	.01700	-.03200	.00320	-.00470	.01010	.01490
.254	11.003	.44710	.00710	.43790	.09040	.01710	-.03440	.00330	-.00620	.00270	.01730
.253	13.205	.55010	-.00940	.53830	.11360	.01870	-.03370	.00320	-.00630	.01020	.02980
.253	16.396	.71150	-.03370	.69320	.16370	.01670	-.03380	.00310	-.00600	.00270	.02230
.253	18.421	.81610	-.04890	.79150	.20510	.01240	-.03530	.00300	-.00690	-.00220	.02720
	GRADIENT	.04472	-.00114	.04382	.00007	-.00079	.00011	.00007	-.00018	.00272	.00619

ARC 218-1-12 OA101 (OV102) (R2Q084) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 322/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-22.882	-.05540	.07040	-.05530	.07050	.03610	-.07290	.03410	-.02080	-.00480	.01480
.253	-18.011	-.05270	.06440	-.05260	.06440	.03080	-.05930	.02720	-.01670	.00030	.02970
.253	-14.965	-.05190	.06150	-.05180	.06160	.02870	-.05060	.02280	-.01440	-.01480	.00970
.253	-9.978	-.05240	.05770	-.05230	.05780	.02530	-.03590	.01570	-.01030	-.01230	.00720
.253	-4.950	-.05050	.05470	-.05050	.05480	.02360	-.01980	.00800	-.00550	-.01510	.00040
.253	-2.477	-.04930	.05420	-.04920	.05430	.02290	-.01150	.00400	-.00330	-.01720	.00720
.253	-.020	-.05080	.05360	-.05070	.05370	.02290	-.00390	-.00010	-.00080	-.01730	.00220
.253	2.546	-.05070	.05390	-.05060	.05390	.02260	.00330	-.00390	.00160	.00270	.01740
.253	5.064	-.04960	.05500	-.04950	.05510	.02330	.01240	-.00830	.00390	-.00720	.01230
.253	10.129	-.05080	.05740	-.05070	.05750	.02490	.02810	-.01590	.00870	-.01960	.01460
	GRADIENT	-.00008	-.00012	-.00007	-.00013	-.00012	.00308	-.00160	.00095	.00216	.00186

ARC 218-1-12 OA101 (OV102) (R2Q085) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 323/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-22.863	.16570	.05860	.16010	.07250	.03270	-.06950	.03180	-.01920	.00510	.00990
.253	-18.108	.17180	.05310	.16660	.06760	.02690	-.05480	.02550	-.01570	-.00720	.01730
.253	-15.053	.17260	.05010	.16770	.06460	.02520	-.04710	.02150	-.01350	-.00990	-.00010
.253	-9.957	.17320	.04660	.16860	.06120	.02220	-.03270	.01480	-.00940	-.02000	.01510
.253	-4.980	.17580	.04430	.17130	.05910	.01960	-.01850	.00770	-.00510	-.01980	.02990
.253	-2.437	.17570	.04350	.17130	.05830	.01920	-.01010	.00370	-.00280	-.00470	.02470
.253	.076	.17480	.04330	.17050	.05810	.01920	-.00500	.00030	-.00060	-.01750	.02250
.253	2.575	.17590	.04380	.17150	.05860	.01900	.00370	-.00370	.00160	-.01450	.02450
.253	5.064	.17520	.04480	.17070	.05950	.01950	.01170	-.00760	.00390	-.01690	.02700
.253	10.129	.17530	.04720	.17060	.06200	.02120	.02750	-.01500	.00830	-.02480	.02490
	GRADIENT	-.00002	-.00007	-.00001	-.00007	-.00007	.00285	-.00149	.00089	.00013	-.00073

ARC 218-1-12 OA101 (OV102) (R2Q086) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 324/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-22.940	.44300	.02130	.43130	.10320	.02900	-.06330	.02960	-.01810	-.00230	.00740
.254	-18.097	.44150	.01660	.43080	.09840	.02480	-.05070	.02360	-.01460	-.02570	.02090
.253	-15.082	.44550	.01410	.43520	.09670	.02250	-.04330	.02010	-.01240	-.03300	.02820
.253	-9.957	.44710	.01080	.43730	.09370	.01950	-.03020	.01400	-.00880	-.02520	.02050
.254	-4.950	.44530	.00860	.43590	.09130	.01760	-.01550	.00710	-.00490	-.01790	.00820
.254	-2.437	.44880	.00760	.43960	.09100	.01680	-.00800	.00360	-.00290	-.00960	.02460
.253	.028	.45060	.00760	.44130	.09130	.01670	-.00230	.00040	-.00060	-.02190	.02700
.253	2.594	.44910	.00800	.43970	.09150	.01650	.00450	-.00320	.00140	-.01690	.02700
.253	5.045	.44930	.00880	.43980	.09240	.01740	.01240	-.00690	.00360	-.02190	.01720
.253	10.129	.44810	.01160	.43810	.09490	.01910	.02790	-.01370	.00780	-.01980	.02990
	GRADIENT	.00052	-.00007	.00052	.00004	-.00014	.00262	-.00136	.00084	-.00036	.00234

ARC 218-1-12 OA101 (OV102) (R2Q087) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	15.000
RN/L =	5.000		

RUN NO. 325/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-22.863	.70480	-.01930	.68290	.17560	.02770	-.06060	.02820	-.01670	-.01500	.01510
.253	-18.097	.70890	-.02400	.68810	.17220	.02330	-.04840	.02280	-.01370	-.01220	.01220
.252	-14.995	.71140	-.02690	.69130	.17020	.02100	-.04040	.01920	-.01170	-.00730	.00740
.252	-9.957	.71310	-.02950	.69360	.16810	.01860	-.02840	.01340	-.00830	-.00490	.00000
.253	-4.980	.70920	-.03170	.69050	.16510	.01640	-.01460	.00680	-.00440	-.00980	.00490
.252	-2.457	.71480	-.03270	.69610	.16570	.01590	-.00690	.00340	-.00260	-.02200	.01710
.253	.047	.71240	-.03300	.69380	.16480	.01580	.00030	.00000	-.00030	-.02980	.00440
.253	2.622	.71160	-.03270	.69300	.16480	.01610	.00700	-.00340	.00160	-.03220	.01180
.253	5.083	.71230	-.03160	.69330	.16610	.01620	.01430	-.00700	.00410	-.02070	.03080
.252	10.080	.71430	-.02940	.69470	.16900	.01830	.02790	-.01340	.00770	-.02260	.03780
	GRADIENT	.00019	-.00013	.00020	-.00007	-.00004	.00284	-.00134	.00080	-.00296	.00032

ARC 218-1-12 OA101 (OV102) (R2Q088) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 320/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-6.206	.19760	.03980	.19320	.05780	.01440	.09160	-.00280	.00370	.01220	.01290
.253	-4.141	.19460	.04140	.19000	.05900	.01710	.05180	.00080	.00070	-.00940	.03940
.253	-2.084	.19350	.04290	.18890	.06030	.01880	.01670	.00410	-.00240	.00520	.01500
.253	-1.039	.18950	.04310	.18480	.06010	.01990	-.00200	.00570	-.00380	-.00460	.02960
.253	-.183	.18920	.04420	.18450	.06110	.02070	-.01780	.00700	-.00520	-.00500	.02010
.253	.602	.19290	.04280	.18820	.06000	.02110	-.02430	.00830	-.00590	-.00210	.02720
.253	1.066	.19320	.04180	.18860	.05910	.02080	-.03300	.00910	-.00660	-.00730	.03240
.254	4.141	.19720	.04130	.19270	.05900	.01680	-.08640	.01400	-.01090	-.01280	.03290
.253	6.201	.20280	.03970	.19840	.05790	.01410	-.12190	.01720	-.01410	-.00220	.02720
.253	8.191	.20660	.03730	.20230	.05600	.01010	-.15630	.02030	-.01710	-.02060	.04070
.253	10.209	.21080	.03580	.20660	.05490	.00670	-.19280	.02390	-.02000	-.00700	.03200
	GRADIENT	.00034	-.00007	.00035	-.00005	.00004	-.01649	.00159	-.00139	-.00090	.00011

ARC 218-1-12 OA101 (OV102) (R20089) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 307/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-7.995	-.40420	.04340	-.39460	.09760	.04480	-.00230	.00010	-.00090	-.01970	.00960
.253	-5.505	-.29550	.05720	-.28890	.08450	.04300	-.00240	.00030	-.00090	-.02930	.01950
.254	-.117	-.06110	.07100	-.06100	.07110	.04060	-.00210	.00020	-.00100	-.03180	.01710
.254	2.665	.05720	.06760	.05410	.07020	.03870	-.00200	.00010	-.00090	-.03180	.01710
.254	5.566	.19270	.05840	.18630	.07650	.03720	-.00088	.00040	-.00090	-.04290	.01830
.254	7.113	.26580	.04860	.25790	.08050	.03520	-.00120	.00040	-.00080	-.03430	.00970
.253	8.804	.33870	.03830	.32910	.08860	.03420	-.00170	.00050	-.00080	-.03510	.01550
.253	10.991	.44050	.02300	.42850	.10480	.03410	-.00200	.00060	-.00090	-.03180	.00730
.253	13.174	.53730	.00690	.52230	.12640	.03620	-.00150	.00060	-.00100	-.02190	.02210
.253	16.383	.70010	-.01760	.67780	.17590	.03370	-.00160	.00070	-.00080	-.04250	.01790
.252	18.617	.82300	-.03360	.79250	.22450	.02730	-.00250	.00110	-.00090	-.03210	.01760
	GRADIENT	.04252	-.00122	.04137	-.00032	-.00068	.00004	-.00004	.00004	.00000	.00000

ARC 218-1-12 OA101 (OV102) (R2Q090) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 5.000

RUN NO. 315/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.202	.17720	.05570	.17130	.07170	.03090	.10580	-.01030	.00790	.01650	.02620
.251	-4.064	.17500	.05770	.16910	.07340	.03460	.06560	-.00630	.00450	-.00930	.02000
.251	-2.040	.17160	.05880	.16560	.07410	.03690	.02940	-.00290	.00160	-.00730	.01230
.251	-1.023	.17050	.05860	.16450	.07370	.03700	.01260	-.00150	.00020	-.00950	.01490
.252	-.203	.16760	.05930	.16160	.07410	.03740	-.00270	-.00020	-.00080	-.00480	.00980
.251	.598	.17210	.05840	.16610	.07370	.03870	-.01120	.00130	-.00170	-.01220	.01720
.251	1.051	.17570	.05680	.16990	.07240	.03820	-.01720	.00200	-.00220	-.00970	.01470
.251	2.055	.17430	.05650	.16850	.07200	.03720	-.03440	.00340	-.00340	-.00980	.00980
.251	3.133	.17660	.05650	.17080	.07220	.03610	-.05360	.00500	-.00470	-.00980	.00980
.251	4.210	.18040	.05570	.17460	.07180	.03450	-.07130	.00670	-.00600	-.00440	.01510
.251	6.163	.18450	.05290	.17900	.06940	.03010	-.10530	.01020	-.00950	-.01200	.01730
.251	8.203	.18910	.05020	.18380	.06730	.02610	-.14260	.01420	-.01260	-.01230	.01760
.250	10.213	.19720	.04840	.19200	.06630	.02250	-.18160	.01940	-.01680	-.00240	.02270
	GRADIENT	.00080	-.00034	.00083	-.00028	.00000	-.01624	.00157	-.00125	.00015	-.00065

ARC 218-1-12 OA101 (OV102) (R2Q091) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 40.000
RN/L = 5.000

RUN NO. 316/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.250	-22.911	.16130	.06620	.15490	.07990	.04170	-.05900	.02680	-.01600	.00210	.02290
.251	-18.043	.16160	.06350	.15550	.07720	.03900	-.04960	.02210	-.01330	-.00070	.02070
.251	-15.024	.16170	.06160	.15570	.07540	.03820	-.04260	.01880	-.01130	.01020	.00480
.251	-10.010	.16340	.06000	.15760	.07390	.03670	-.02960	.01300	-.00790	.00270	.01730
.251	-4.929	.16390	.05810	.15820	.07210	.03530	-.01660	.00660	-.00420	-.00680	.03720
.251	-2.437	.16380	.05910	.15810	.07310	.03660	-.01040	.00340	-.00270	-.01450	.02350
.251	.047	.16280	.05950	.15700	.07340	.03740	-.00330	.00030	-.00070	-.01190	.02230
.252	2.575	.16130	.06020	.15540	.07390	.03750	.00380	-.00330	.00130	-.00970	.01970
.253	5.092	.16430	.05840	.15860	.07240	.03520	.01040	-.00670	.00330	-.00490	.02020
.254	10.138	.16410	.05980	.15830	.07380	.03600	.02330	-.01310	.00700	-.01450	.02950
	GRADIENT	-.00035	.00027	-.00038	.00023	.00030	.00273	-.00131	.00074	-.00024	-.00239

ARC 218-1-12 0A101 (0V102) (R20092) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 314/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-6.052	.17870	.05680	.17280	.07300	.03060	.09130	-.00350	.00390	.01050	.02580
.253	-4.141	.17900	.05790	.17300	.07390	.03320	.05400	.00010	.00090	-.00220	.01250
.253	-2.044	.17300	.05820	.16700	.07370	.03530	.01820	.00340	-.00200	-.01730	.02730
.253	-1.002	.17240	.05750	.16660	.07290	.03540	.00010	.00490	-.00340	-.01710	.00240
.253	-.184	.17310	.05840	.16710	.07370	.03570	-.01480	.00620	-.00450	.00050	.02550
.252	.579	.17540	.05740	.16950	.07300	.03690	-.02340	.00760	-.00520	.00740	.03800
.252	1.015	.17540	.05600	.16960	.07160	.03610	-.02890	.00820	-.00590	-.01500	.01010
.253	2.072	.17890	.05570	.17310	.07160	.03490	-.04750	.00970	-.00700	-.00740	.03240
.252	3.185	.17980	.05570	.17400	.07180	.03430	-.06640	.01140	-.00870	.01490	.00540
.252	4.121	.18040	.05470	.17470	.07080	.03340	-.08230	.01300	-.00990	.00300	.03720
.252	6.186	.18600	.05260	.18050	.06930	.02930	-.12030	.01660	-.01310	.00040	.01990
.252	8.206	.18600	.05020	.18070	.06690	.02640	-.15500	.02010	-.01620	-.01260	-.00770
.252	10.185	.19530	.04880	.19000	.06640	.02270	-.19280	.02490	-.01980	.00760	.02780
	GRADIENT	.00059	-.00044	.00063	-.00039	-.00001	-.01627	.00155	-.00129	.00202	.00147

ARC 218-1-12 OA101 (OV102) (R2Q093) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 313/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.254	-7.981	-.40210	.04310	-.39260	.09690	.04380	-.01610	.00770	-.00520	-.01970	.02970
.253	-5.524	-.29440	.05720	-.28780	.08440	.04150	-.01660	.00770	-.00510	-.02190	.02690
.253	-.129	-.06270	.06940	-.06260	.06950	.03820	-.01470	.00700	-.00470	-.00250	.02750
.254	2.670	.05690	.06550	.05380	.06810	.03690	-.01470	.00680	-.00470	-.01240	.01270
.253	5.551	.18760	.05680	.18130	.07430	.03520	-.01330	.00670	-.00440	-.01720	.02250
.253	7.054	.25700	.04780	.24940	.07840	.03420	-.01270	.00650	-.00440	-.01930	.02470
.252	8.760	.32980	.03770	.32050	.08640	.03250	-.01310	.00650	-.00430	-.00250	.00790
.252	10.953	.43330	.02240	.42160	.10260	.03260	-.01320	.00640	-.00420	.00550	.02990
.252	13.173	.53320	.00590	.51850	.12450	.03520	-.01260	.00630	-.00400	.00240	.02260
.251	16.365	.69430	-.01860	.67260	.17320	.03290	-.01270	.00630	-.00380	-.01200	.01730
.249	18.586	.81310	-.03490	.78360	.21990	.02630	-.01200	.00620	-.00350	.00770	.02230
	GRADIENT	.04273	-.00139	.04158	-.00050	-.00046	-.00000	-.00007	.00000	-.00354	-.00529

ARC 218-1-12 OA101 (OV102) (R2Q094) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 5.000

RUN NO. 308/ 0 RN/L = 5.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-7.802	-.39640	.04300	-.38730	.09490	.04350	-.03730	.00290	-.00030	-.04250	.00240
.253	-5.613	-.29570	.05560	-.28910	.08340	.04090	-.04060	.00320	-.00090	-.05460	.01470
.253	-.094	-.05950	.06950	-.05940	.06950	.03940	-.04130	.00330	-.00230	-.04700	.00180
.253	2.677	.06180	.06690	.05860	.06960	.03840	-.04320	.00350	-.00300	-.03970	.00000
.253	5.472	.19210	.05670	.18600	.07440	.03640	-.03710	.00330	-.00390	-.03460	-.00530
.253	7.110	.26660	.04830	.25880	.08020	.03530	-.03320	.00290	-.00450	-.06590	.00110
.253	8.778	.33970	.03820	.33020	.08850	.03340	-.03280	.00300	-.00490	-.05320	.00310
.253	11.014	.44180	.02300	.42980	.10510	.03350	-.03320	.00300	-.00610	-.05070	.00570
.253	13.219	.54350	.00610	.52840	.12740	.03490	-.03430	.00320	-.00650	-.04540	.00030
.252	16.399	.70480	-.01910	.68280	.17590	.03230	-.03340	.00290	-.00640	-.04780	.00770
.252	18.460	.81480	-.03430	.78550	.21930	.02740	-.03440	.00260	-.00760	-.04220	-.00310
	GRADIENT	.04377	-.00094	.04258	.00004	-.00036	-.00069	.00007	-.00025	.00263	-.00065

ARC 218-1-12 OA101 (OV102) (R2Q095) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 285/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-7.941	-.40720	.05530	-.39610	.10950	.05650	.00030	-.00040	-.00040	-.01560	.01560
.253	-5.541	-.30130	.06860	-.29350	.09650	.05500	.00070	-.00050	-.00050	.00400	-.01400
.254	-.150	-.06800	.08150	-.06780	.08160	.05180	-.00030	-.00020	-.00050	.00190	-.01190
.254	2.630	.05090	.07830	.04730	.08050	.05150	-.00060	.00000	-.00050	-.01530	.01530
.253	5.591	.18840	.06880	.18100	.08650	.04840	.00200	.00010	-.00060	-.00360	-.00660
.253	7.106	.25800	.05960	.24890	.09040	.04720	.00060	.00020	-.00080	-.00850	-.01150
.253	8.800	.33460	.04910	.32340	.09870	.04650	.00060	.00030	-.00070	-.00610	-.00900
.253	10.981	.43310	.03400	.41920	.11410	.04680	.00160	.00010	-.00060	-.02320	.00810
.253	13.184	.53150	.01750	.51430	.13560	.04810	.00230	.00010	-.00070	-.00300	-.01680
.252	16.376	.69640	-.00780	.67160	.18430	.04610	.00150	.00020	-.00070	-.00320	-.00680
.251	18.623	.81820	-.02350	.78480	.23280	.03990	.00120	.00040	-.00070	-.02060	.00020
	GRADIENT	.04277	-.00115	.04140	-.00040	-.00011	-.00011	.00007	.00000	-.00619	.00978

ARC 218-1-12 OA101 (OV102) (R2Q096) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 273/ 0 RN/L = 7.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-8.141	-.41480	.05500	-.40330	.11150	.05690	-.00200	-.00030	-.00060	-.02210	.03710
.253	-5.598	-.30140	.06860	-.29360	.09680	.05460	-.00380	-.00020	-.00060	-.00510	.01010
.252	-.153	-.06700	.08150	-.06690	.08170	.05130	-.00310	.00000	-.00070	-.02690	.02200
.253	2.675	.05510	.07880	.05140	.08120	.05000	-.00240	-.00010	-.00060	-.00720	.02220
.253	5.631	.18540	.06820	.17800	.08580	.04780	-.00150	.00040	-.00080	-.01000	.00530
.253	7.257	.26090	.05890	.25160	.09080	.04670	-.00100	.00030	-.00080	-.01460	.00500
.252	8.946	.33520	.04830	.32390	.09880	.04530	-.00070	.00020	-.00070	-.01970	.02980
.252	11.161	.44050	.03250	.42640	.11530	.04580	-.00160	.00030	-.00070	-.01970	.02980
.252	13.412	.54180	.01600	.52400	.13850	.04810	-.00070	.00020	-.00080	-.01040	.01040
.252	16.666	.70940	-.00830	.68330	.19080	.04430	-.00190	.00050	-.00080	-.02440	.01470
.252	18.914	.83470	-.02260	.79900	.24270	.03810	-.00180	.00070	-.00070	-.01610	.01640
	GRADIENT	.04317	-.00095	.04183	-.00018	-.00046	.00025	-.00004	.00004	.00697	.00007

ARC 218-1-12 OA101 (OV102) (R20097) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 279/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-6.329	-.05260	.07770	-.05260	.07770	.04240	.11010	-.00930	.00260	-.01500	.01010
.254	-4.271	-.06040	.08000	-.06030	.08000	.04570	.07400	-.00620	.00140	-.02810	-.02750
.253	-2.106	-.06160	.08140	-.06150	.08150	.04860	.03650	-.00320	.00010	-.01250	.01260
.253	-1.070	-.06050	.08210	-.06040	.08210	.04920	.01940	-.00220	-.00010	.00530	-.00530
.253	.006	-.06520	.08240	-.06490	.08260	.04960	-.00140	-.00050	-.00050	-.00270	.00280
.253	.530	-.06370	.08260	-.06340	.08270	.04910	-.01050	.00010	-.00070	-.01740	.02240
.253	1.065	-.05900	.08200	-.05890	.08200	.04920	-.02000	.00070	-.00070	-.01530	.01040
.253	2.118	-.05840	.08130	-.05840	.08130	.04850	-.03880	.00220	-.00140	-.02020	.05020
.253	3.148	-.05550	.08010	-.05540	.08010	.04740	-.05730	.00360	-.00190	.00220	-.01690
.254	4.200	-.05550	.07970	-.05540	.07970	.04620	-.07440	.00500	-.00250	-.00040	.02040
.254	6.283	-.04980	.07670	-.04970	.07670	.04310	-.11040	.00830	-.00410	-.01800	.00830
.253	8.226	-.04020	.07340	-.04020	.07330	.03850	-.14480	.01170	-.00590	.00910	.01100
.253	10.282	-.03120	.06970	-.03120	.06960	.03250	-.18310	.01660	-.00830	-.00740	.02740
	GRADIENT	.00074	-.00008	.00073	.00009	.00000	-.01767	.00132	-.00043	.00203	.00413

ARC 218-1-12 OA101 (OV102) (R20098) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 274/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-6.213	.18500	.06650	.17800	.08330	.03980	.10480	-.00870	.00720	-.00470	.00990
.253	-4.225	.17990	.06880	.17280	.08510	.04430	.06840	-.00580	.00400	-.01210	.01720
.253	-2.130	.17810	.06980	.17090	.08580	.04630	.03440	-.00310	.00180	-.01690	.02710
.252	-1.068	.17790	.07010	.17080	.08600	.04770	.01680	-.00180	.00070	-.01450	.02950
.252	-.247	.17780	.07030	.17060	.08620	.04690	.00020	-.00040	-.00040	-.00480	.01480
.252	.633	.17920	.06940	.17220	.08550	.04820	-.01010	.00090	-.00140	-.00720	.02220
.252	1.104	.18140	.06900	.17440	.08520	.04820	-.01720	.00160	-.00170	-.01210	.02210
.252	2.129	.17890	.06900	.17190	.08510	.04670	-.03560	.00300	-.00270	.00040	.01990
.252	3.193	.18350	.06810	.17650	.08450	.04560	-.05190	.00420	-.00420	-.01940	.02450
.252	4.202	.18500	.06730	.17800	.08390	.04430	-.06890	.00560	-.00540	-.01210	.01230
.252	6.259	.18860	.06480	.18180	.08180	.04100	-.10500	.00880	-.00810	-.02690	.02690
.252	8.305	.19610	.06160	.18960	.07930	.03600	-.13980	.01170	-.01130	-.00970	.01970
.252	10.292	.19920	.05800	.19300	.07600	.03140	-.17760	.01700	-.01550	-.00280	.00280
	GRADIENT	.00067	-.00022	.00069	-.00018	-.00000	-.01622	.00137	-.00111	.00024	-.00054

ARC 218-1-12 OA101 (OV102) (R2Q099) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 280/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-6.561	.43260	.03430	.41910	.11250	.03290	.10710	-.00900	.01380	-.02540	.02050
.253	-4.476	.43730	.03480	.42320	.11550	.03850	.07020	-.00550	.00920	-.01270	.00810
.253	-2.034	.44720	.03390	.43250	.11870	.04360	.03150	-.00240	.00420	.00130	-.00630
.252	-1.128	.44680	.03360	.43230	.11790	.04460	.01790	-.00150	.00190	-.03960	.03000
.253	-.018	.42830	.03490	.41450	.11340	.04360	-.00050	-.00010	-.00040	-.00810	-.01590
.253	.475	.43060	.03460	.41680	.11340	.04350	-.00880	.00070	-.00170	-.00580	-.00880
.253	.981	.42680	.03620	.41290	.11370	.04400	-.01630	.00090	-.00270	.01190	-.01150
.252	2.156	.45000	.03280	.43560	.11750	.04300	-.03500	.00240	-.00600	.00060	-.02000
.253	3.169	.45260	.03130	.43850	.11650	.04150	-.05110	.00350	-.00820	.02840	-.04800
.253	4.170	.45400	.03060	.43980	.11640	.03980	-.06840	.00490	-.01060	.01300	-.05810
.253	6.207	.45940	.02870	.44560	.11550	.03400	-.10380	.00810	-.01540	-.00480	.00030
.253	8.296	.45890	.02590	.44590	.11170	.03010	-.14020	.01120	-.01950	-.03940	.02470
.252	10.253	.46840	.02330	.45550	.11150	.02730	-.18120	.01660	-.02540	-.02240	.00200
	GRADIENT	.00152	-.00043	.00154	-.00003	.00004	-.01598	.00118	-.00232	.00446	-.00804

ARC 218-1-12 OA101 (OV102) (R2Q0A0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 281/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.000	.71950	-.01170	.69380	.19070	.03550	.09190	-.00500	.01560	-.04230	.02190
.252	-3.912	.71420	-.00950	.68790	.19210	.04190	.06000	-.00400	.01020	-.00730	.00730
.252	-2.066	.71650	-.00860	.68980	.19400	.04280	.03040	-.00220	.00460	-.03220	.01240
.252	.006	.71320	-.00880	.68690	.19230	.04260	-.00300	.00020	-.00070	-.03520	-.00520
.252	2.124	.71920	-.00930	.69300	.19270	.04110	-.03670	.00210	-.00600	-.02700	.03230
.252	4.048	.72010	-.01110	.69430	.19160	.04040	-.06740	.00390	-.01140	-.01990	.00460
.251	6.083	.72760	-.01400	.70220	.19090	.03450	-.09790	.00510	-.01710	-.03170	.02690
.252	7.367	.71440	-.01260	.69040	.18430	.02970	-.12020	.00710	-.02120	-.02260	.00730
	GRADIENT	.00072	-.00020	.00080	-.00012	-.00024	-.01601	.00100	-.00267	-.00094	.00077

ARC 218-1-12 OA101 (OV102) (R2Q0A1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 8.000

RUN NO. 275/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-7.948	-.40540	.05510	-.39430	.10900	.05540	-.03280	.00180	.00060	.01370	.00160
.252	-5.723	-.30440	.06730	-.29640	.09650	.05260	-.03560	.00190	.00010	.00090	-.00090
.252	-.125	-.06310	.08110	-.06290	.08120	.04990	-.03770	.00240	-.00150	-.03450	.03450
.252	2.687	.06230	.07790	.05860	.08070	.04840	-.03850	.00280	-.00220	-.01710	.01220
.251	5.532	.19180	.06800	.18460	.08580	.04650	-.03390	.00280	-.00310	-.02200	.01710
.252	7.213	.26460	.05870	.25530	.09080	.04540	-.03060	.00230	-.00370	-.01250	.01250
.252	8.936	.34080	.04870	.32950	.10000	.04480	-.03030	.00210	-.00440	-.02040	-.01000
.252	11.180	.44460	.03310	.43020	.11680	.04380	-.03180	.00250	-.00560	-.03180	.03180
.252	13.416	.54660	.01660	.52860	.14020	.04590	-.03090	.00230	-.00560	-.02700	.01700
.251	16.695	.71800	-.00850	.69150	.19330	.04180	-.03150	.00210	-.00600	-.00240	.00240
.250	18.746	.83200	-.02260	.79710	.23950	.03600	-.03020	.00170	-.00680	-.00230	.00260
	GRADIENT	.04461	-.00114	.04322	-.00018	-.00053	-.00028	.00014	-.00025	.00619	-.00793

ARC 218-1-12 OA101 (OV102) (R2Q0A2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 282/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-22.930	-.06420	.08380	-.06400	.08400	.04920	-.05630	.02470	-.01480	-.02510	.00980
.252	-18.065	-.06550	.08240	-.06530	.08250	.04820	-.04580	.02010	-.01210	-.00520	.00520
.253	-15.082	-.06390	.08250	-.06370	.08270	.04860	-.04000	.01700	-.01050	-.02720	.00760
.253	-10.063	-.06400	.08210	-.06390	.08220	.04900	-.02830	.01170	-.00730	-.01530	.01530
.253	-4.929	-.06580	.08140	-.06560	.08150	.04950	-.01480	.00560	-.00400	-.01260	-.01790
.253	-2.387	-.06460	.08190	-.06440	.08210	.04970	-.00810	.00260	-.00230	-.02200	.00730
.253	.028	-.06510	.08150	-.06490	.08160	.04960	-.00230	-.00060	-.00040	-.00530	-.00470
.253	2.622	-.06420	.08190	-.06400	.08210	.04930	.00430	-.00380	.00130	.00850	-.01270
.252	5.064	-.06530	.08200	-.06510	.08220	.04940	.01060	-.00680	.00310	-.02920	.03990
.252	10.060	-.06460	.08190	-.06440	.08200	.04860	.02320	-.01270	.00640	.00520	-.00960
	GRADIENT	.00017	.00004	.00017	.00005	-.00003	.00252	-.00125	.00071	.00319	.00015

ARC 218-1-12 OA101 (OV102) (R200A3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 272/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-22.959	.15850	.07380	.15150	.08720	.04910	-.05020	.02250	-.01340	.00970	.01530
.252	-18.151	.15860	.07250	.15180	.08580	.04780	-.04100	.01830	-.01100	-.01250	.01750
.253	-15.005	.16100	.07210	.15420	.08560	.04770	-.03410	.01540	-.00950	-.01500	.01500
.253	-9.999	.16130	.07230	.15440	.08590	.04780	-.02500	.01090	-.00680	.00980	.01050
.253	-4.878	.15900	.07200	.15220	.08540	.04830	-.01320	.00550	-.00380	.00260	.02770
.252	-2.497	.16030	.07210	.15350	.08560	.04820	-.00690	.00260	-.00220	.01400	.01100
.253	.019	.16130	.07160	.15460	.08520	.04820	-.00040	-.00040	-.00050	.00890	.00110
.253	2.565	.16020	.07150	.15350	.08500	.04830	.00540	-.00320	.00100	.00510	.00990
.252	5.016	.16000	.07160	.15320	.08510	.04830	.01130	-.00600	.00260	.00020	.01480
.252	10.089	.16060	.07170	.15390	.08520	.04780	.02340	-.01140	.00560	-.01450	.02450
	GRADIENT	.00018	-.00008	.00020	-.00007	.00000	.00251	-.00117	.00065	.00007	-.00252

ARC 218-1-12 OA101 (OV102) (R200A4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 283/ 0 RN/L = 7.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-23.016	.44290	.03450	.42840	.11760	.04340	-.04560	.02030	-.01190	-.01320	-.00210
.252	-17.937	.44370	.03280	.42950	.11610	.04180	-.03830	.01670	-.01000	-.01480	.02980
.252	-15.034	.44410	.03280	.42990	.11620	.04150	-.03210	.01430	-.00870	-.00020	-.01510
.252	-9.957	.44390	.03250	.42970	.11580	.04220	-.02230	.01000	-.00630	-.01740	.00210
.252	-4.960	.44210	.03330	.42780	.11630	.04320	-.01210	.00510	-.00340	-.01990	.01500
.252	-2.467	.44360	.03330	.42930	.11660	.04320	-.00660	.00250	-.00200	-.02660	.03750
.252	-.010	.44130	.03330	.42710	.11610	.04320	-.00050	-.00010	-.00060	-.01470	-.00490
.252	2.537	.44350	.03300	.42920	.11620	.04320	.00470	-.00290	.00110	-.00290	-.00220
.252	5.111	.44350	.03320	.42920	.11640	.04310	.01060	-.00570	.00260	-.05990	.00980
.252	9.992	.44160	.03340	.42740	.11620	.04170	.02200	-.01050	.00520	-.02710	.01690
	GRADIENT	.00008	-.00004	.00008	-.00003	.00000	.00226	-.00107	.00060	.00253	-.00375

ARC 218-1-12 OA101 (OV102) (R2Q0A5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 284/ 0 RN/L = 7.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-22.930	.71890	-.00800	.69220	.19400	.04120	-.04440	.01940	-.01120	.02240	-.02750
.253	-17.968	.72030	-.00900	.69390	.19350	.04010	-.03520	.01580	-.00950	-.02830	.03350
.253	-15.072	.71940	-.00940	.69310	.19290	.03980	-.03060	.01350	-.00800	.04460	-.02960
.253	-9.999	.72030	-.00890	.69390	.19370	.04080	-.02120	.00940	-.00580	-.00920	.00930
.253	-4.929	.71790	-.00840	.69140	.19350	.04170	-.01190	.00490	-.00340	.01350	-.01840
.253	-2.497	.71680	-.00890	.69050	.19270	.04170	-.00630	.00220	-.00190	.01080	.00420
.253	.028	.71810	-.00890	.69170	.19320	.04180	-.00160	-.00010	-.00060	-.01120	.02120
.253	2.508	.71970	-.00870	.69310	.19390	.04170	.00540	-.00310	.00090	-.00410	-.00580
.253	5.045	.71800	-.00860	.69150	.19340	.04150	.01000	-.00540	.00230	-.01390	.00390
.253	10.089	.71880	-.00870	.69230	.19350	.04090	.02040	-.01010	.00480	-.01470	.03470
	GRADIENT	.00027	-.00004	.00025	.00007	.00000	.00228	-.00106	.00057	-.00302	.00220

ARC 218-1-12 OA101 (OV102) (R2Q0A6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 276/ 0 RN/L = 7.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-8.132	-.41260	.05430	-.40120	.11050	.05520	-.01380	.00620	-.00440	.00010	.00490
.252	-5.619	-.30090	.06840	-.29310	.09670	.05310	-.01300	.00600	-.00430	-.02940	.04940
.252	-.150	-.06470	.08190	-.06450	.08200	.05000	-.01310	.00580	-.00410	-.00500	.01510
.252	2.658	.05710	.07870	.05340	.08120	.04830	-.01310	.00570	-.00390	-.01200	.02700
.251	5.653	.19100	.06860	.18340	.08670	.04660	-.01220	.00560	-.00390	-.01770	-.00240
.252	7.198	.25940	.06010	.25010	.09150	.04570	-.01200	.00550	-.00390	-.02990	-.00550
.252	8.940	.33830	.04860	.32690	.09950	.04440	-.01110	.00520	-.00370	-.02950	.00470
.252	11.179	.44080	.03270	.42660	.11570	.04490	-.01110	.00520	-.00360	-.01540	-.01410
.251	13.396	.54310	.01690	.52520	.13940	.04710	-.01160	.00510	-.00360	-.02710	.00220
.251	16.689	.71470	-.00830	.68830	.19250	.04350	-.01030	.00500	-.00350	-.03500	-.01550
.250	18.932	.83760	-.02260	.80170	.24390	.03730	-.01140	.00510	-.00310	-.01500	-.02030
	GRADIENT	.04337	-.00114	.04198	-.00028	-.00061	.00000	-.00004	.00007	-.00249	.00424

ARC 218-1-12 OA101 (OV102) (R2Q0A7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 277/ 0 RN/L = 7.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-6.209	.18620	.06660	.17930	.08360	.03990	.09300	-.00310	.00380	-.02240	.01270
.251	-4.218	.18250	.06940	.17530	.08590	.04390	.05700	-.00010	.00120	-.01250	-.01210
.252	-2.116	.18020	.07020	.17310	.08640	.04660	.02180	.00270	-.00130	-.02220	.02750
.251	-1.071	.17940	.07020	.17230	.08630	.04640	.00540	.00380	-.00270	-.01010	.01030
.251	-.246	.17960	.07050	.17240	.08660	.04590	-.00970	.00500	-.00340	-.01070	.00570
.252	.606	.18230	.06990	.17520	.08630	.04740	-.02210	.00640	-.00420	-.00320	.01320
.251	1.076	.18280	.06880	.17580	.08530	.04730	-.02900	.00700	-.00490	.00490	-.00480
.251	2.123	.18760	.06880	.18050	.08570	.04570	-.04610	.00810	-.00630	-.01510	.01020
.251	3.205	.18820	.06820	.18120	.08510	.04420	-.06500	.00960	-.00700	-.01990	.02000
.251	4.230	.18950	.06780	.18250	.08490	.04320	-.08150	.01100	-.00870	-.01310	.01310
.251	6.253	.19640	.06520	.18960	.08300	.03950	-.11730	.01430	-.01150	-.04280	.04290
.251	8.407	.20190	.06150	.19530	.07990	.03390	-.15160	.01690	-.01460	-.02410	.03450
.250	10.282	.20760	.05710	.20140	.07610	.02920	-.18820	.02160	-.01840	.00770	.00240
	GRADIENT	.00114	-.00026	.00116	-.00016	-.00013	-.01632	.00132	-.00114	.00010	.00162

ARC 218-1-12 OA101 (OV102) (R2Q0A8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-22.800
RN/L =	8.000		

RUN NO. 278/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.316	.18460	.07140	.17720	.08810	.04290	.05300	.01560	-.00660	.01080	-.01570
.251	-4.246	.18400	.07230	.17650	.08890	.04550	.01820	.01770	-.00890	-.00470	.01970
.251	-2.120	.18070	.07300	.17330	.08920	.04690	-.01520	.01990	-.01100	.00270	-.00260
.252	-1.099	.17790	.07170	.17060	.08770	.04620	-.03210	.02090	-.01200	-.01500	-.00030
.253	-.197	.17810	.07270	.17070	.08870	.04620	-.04680	.02180	-.01300	.01560	-.00030
.253	.602	.18220	.07160	.17490	.08790	.04690	-.06080	.02290	-.01380	-.03670	.03170
.254	1.090	.18470	.07040	.17750	.08700	.04630	-.06750	.02340	-.01440	-.01960	.00970
.253	2.136	.18870	.06990	.18160	.08680	.04520	-.08480	.02460	-.01560	.00730	.01280
.253	3.182	.18920	.06940	.18200	.08640	.04360	-.10230	.02600	-.01690	-.01710	.00240
.253	4.227	.19320	.06740	.18620	.08480	.04130	-.11940	.02690	-.01790	-.03670	.03160
.253	6.247	.19570	.06470	.18890	.08240	.03730	-.15380	.02940	-.02060	-.00730	.00730
.253	8.316	.20090	.06170	.19440	.07980	.03350	-.18640	.03150	-.02270	-.05180	.00740
.253	10.281	.20490	.05930	.19860	.07790	.03110	-.21860	.03340	-.02470	-.00790	-.01740
	GRADIENT	.00140	-.00059	.00145	-.00047	-.00046	-.01628	.00111	-.00108	-.00298	.00140

ARC 218-1-12 0A101 (0V102) (R2Q0A9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 5.000

RUN NO. 326/ 0 RN/L = 5.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-7.939	-.41490	.06900	-.40190	.12400	.06500	-.00100	-.00050	-.00030	-.00970	.03000
.253	-5.510	-.30770	.08250	-.29870	.11070	.06330	-.00040	-.00040	-.00040	-.01220	.02750
.254	-.111	-.07350	.09490	-.07330	.09490	.06160	-.00090	-.00030	-.00040	-.00200	.02730
.254	2.663	.04400	.09200	.03970	.09390	.06120	-.00060	-.00030	-.00050	-.01220	.02750
.253	5.547	.17780	.08180	.16920	.09830	.05900	.00190	.00000	-.00050	-.00260	.01260
.253	7.125	.24880	.07240	.23820	.10220	.05790	.00140	.00000	-.00080	-.01310	.02310
.253	8.757	.31900	.06200	.30620	.10890	.05730	.00140	.00000	-.00050	-.01280	.01780
.253	10.967	.42140	.04660	.40530	.12430	.05810	.00140	.00010	-.00050	-.00330	.01330
.253	13.161	.51920	.03040	.49940	.14530	.06000	.00090	.00020	-.00050	-.00340	.00340
.252	16.354	.68190	.00610	.65390	.19350	.05810	.00090	.00020	-.00030	-.00570	.00600
.252	18.571	.80090	-.01010	.76430	.23960	.05250	.00140	.00040	-.00030	-.01050	.01580
	GRADIENT	.04235	-.00105	.04073	-.00036	-.00014	.00011	.00000	-.00004	-.00368	.00007

ARC 218-1-12 OA101 (OV102) (R2Q08D) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 330/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-6.212	.16870	.07960	.16070	.09470	.05220	.10730	-.00980	.00730	.00920	.02580
.252	-4.162	.16800	.08180	.15990	.09670	.05550	.06810	-.00590	.00410	.00690	.00820
.252	-2.076	.16180	.08250	.15370	.09680	.05780	.03250	-.00300	.00140	.00180	.02320
.252	-1.060	.16070	.08320	.15250	.09740	.05870	.01570	-.00190	.00040	-.00730	.03730
.252	-.201	.16120	.08280	.15310	.09700	.05760	-.00130	-.00070	-.00070	-.00740	.02250
.252	.581	.16500	.08210	.15690	.09670	.05970	-.01050	.00070	-.00140	.00010	.00490
.252	1.053	.16530	.08160	.15720	.09620	.06030	-.01530	.00120	-.00160	-.00990	.01520
.252	2.071	.16680	.08170	.15870	.09640	.05850	-.03240	.00250	-.00240	.00530	.02970
.252	3.137	.16820	.08110	.16010	.09600	.05790	-.05130	.00400	-.00380	.01690	.00310
.252	4.157	.16890	.08120	.16080	.09610	.05660	-.06780	.00550	-.00480	-.00470	.02470
.252	6.202	.17480	.07820	.16700	.09370	.05370	-.10400	.00860	-.00820	.00000	.02020
.252	8.194	.17850	.07620	.17090	.09210	.05130	-.14090	.01310	-.01120	-.01950	.04460
.252	10.209	.18340	.07260	.17600	.08900	.04700	-.18350	.01960	-.01580	-.00490	.02020
	GRADIENT	.00054	-.00016	.00054	-.00012	.00015	-.01612	.00137	-.00103	.00019	.00001

ARC 218-1-12 OA101 (OV102) (R2Q08I) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	70.000
RN/L =	5.000		

RUN NO. 331/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-18.065	.15010	.08410	.14230	.09670	.06060	-.03280	.01460	-.00830	.00010	.03990
.252	-15.072	.14880	.08500	.14090	.09750	.06050	-.02880	.01260	-.00720	-.02160	.05160
.252	-9.989	.14920	.08510	.14130	.09760	.06020	-.02060	.00860	-.00490	-.00240	.03240
.252	-4.939	.15010	.08440	.14230	.09700	.05920	-.01080	.00420	-.00270	.01030	.02980
.252	-2.427	.14920	.08360	.14140	.09620	.05900	-.00650	.00190	-.00150	.01480	.02520
.251	.151	.15080	.08370	.14310	.09640	.05850	-.00220	-.00020	-.00040	.00290	.03220
.252	2.518	.15050	.08350	.14280	.09610	.05860	.00300	-.00250	.00060	.02190	.02310
.251	5.111	.14980	.08380	.14200	.09640	.05950	.00840	-.00470	.00190	.00960	.03040
.251	10.187	.14900	.08420	.14120	.09670	.06010	.01690	-.00910	.00430	-.00310	.02810
	GRADIENT	.00011	-.00010	.00013	-.00010	-.00009	.00183	-.00089	.00044	.00088	-.00051

ARC 218-1-12 OA101 (OV102) (R2C0B2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 329/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-6.132	.16900	.07960	.16100	.09480	.05280	.09430	-.00470	.00450	.00650	.00850
.252	-4.158	.16730	.08250	.15910	.09740	.05680	.05680	-.00110	.00150	-.02010	.02510
.252	-2.060	.16230	.08270	.15410	.09700	.05790	.02150	.00170	-.00110	-.01520	.01530
.252	-1.039	.16290	.08340	.15470	.09780	.06010	.00360	.00290	-.00210	.01440	.00060
.252	-.183	.16120	.08320	.15310	.09740	.05890	-.01150	.00390	-.00300	.00890	-.00380
.252	.597	.16300	.08230	.15500	.09660	.06030	-.02030	.00510	-.00350	.01150	01350
.252	1.087	.16700	.08230	.15890	.09700	.06110	-.02480	.00570	-.00390	-.00690	.03220
.252	2.073	.16750	.08180	.15950	.09660	.05990	-.04410	.00680	-.00500	-.00310	.02810
.252	3.115	.16720	.08120	.15920	.09590	.05860	-.06100	.00830	-.00640	.00410	.01090
.252	4.122	.16860	.08150	.16060	.09640	.05690	-.07640	.00980	-.00740	.00990	.02030
.252	6.166	.17170	.07820	.16400	.09330	.05430	-.11430	.01310	-.01030	-.00250	.02750
.252	8.043	.17650	.07600	.16890	.09160	.05130	-.14890	.01690	-.01340	.00900	.00110
.252	10.189	.18220	.07270	.17480	.08890	.04720	-.19140	.02310	-.01780	.00700	.01810
	GRADIENT	.00048	-.00020	.00051	-.00017	.00010	-.01592	.00130	-.00104	.00267	.00050

ARC 218-1-12 0A101 (0V102) (R2Q0B3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 328/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	C2L	ELEVON	AILRON
.252	-7.931	-.41770	.06830	-.40480	.12370	.06600	-.01290	.00530	-.00380	-.00050	.00570
.252	-5.514	-.31100	.08220	-.30200	.11080	.06530	-.01220	.00500	-.00360	-.00300	.00810
.253	-.122	-.07890	.09410	-.07880	.09430	.06270	-.01140	.00470	-.00330	.00720	.00780
.252	2.635	.03910	.09170	.03490	.09340	.06250	-.01220	.00450	-.00310	-.01510	.02030
.253	5.560	.17260	.08130	.16410	.09730	.05940	-.01010	.00440	-.00310	.01680	-.00660
.252	7.073	.24400	.07210	.23350	.10110	.05880	-.01010	.00440	-.00320	-.01060	.01570
.253	8.754	.31720	.06200	.30440	.10860	.05800	-.00940	.00410	-.00290	-.01080	-.00400
.253	10.939	.41670	.04650	.40080	.12310	.05850	-.00900	.00400	-.00270	-.00830	.00340
.252	13.123	.51610	.03060	.49640	.14450	.06100	-.00880	.00380	-.00250	.00640	-.00630
.251	16.287	.67670	.00570	.64920	.19100	.05890	-.00800	.00380	-.00240	-.00090	.00590
.251	18.536	.79820	-.01050	.76200	.23800	.05290	-.00930	.00410	-.00240	-.00830	.00830
	GRADIENT	.04281	-.00087	.04125	-.00033	-.00007	-.00029	-.00007	.00007	-.00809	.00454

ARC 218-1-12 0A101 (0V102) (R2Q0B4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 5.000

RUN NO. 327/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-7.827	-.41190	.06840	-.39920	.12220	.06500	-.03460	.00140	.00080	.01710	-.00210
.253	-5.549	-.30860	.08110	-.29960	.10970	.06340	-.03480	.00170	.00020	-.01760	.02760
.253	-.088	-.07450	.09360	-.07440	.09360	.06210	-.03860	.00220	-.00130	.00680	.00320
.252	2.646	.04500	.09070	.04080	.09260	.06170	-.03880	.00240	-.00180	.00190	.00810
.252	5.451	.17500	.08090	.16670	.09690	.05940	-.03480	.00250	-.00300	.01150	-.00650
.252	7.082	.24860	.07220	.23810	.10180	.05890	-.03020	.00200	-.00360	-.00330	.00830
.253	10.961	.42090	.04700	.40480	.12450	.05830	-.02970	.00210	-.00540	.00650	-.00630
.252	13.166	.52380	.03080	.50380	.14670	.05970	-.03100	.00220	-.00550	.00890	-.00380
.252	16.356	.68140	.00550	.65360	.19290	.05750	-.02980	.00190	-.00520	-.00580	.01080
.251	18.423	.79210	-.01000	.75650	.23500	.05310	-.03040	.00160	-.00590	-.00590	.00090
	GRADIENT	.04370	-.00106	.04213	-.00037	-.00015	-.00007	.00007	-.00018	-.00179	.00179

ARC 218-1-12 OA101 (OV102) (R2Q085) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 5.000

RUN NO. 306/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-8.018	-.42840	.07820	-.41390	.13550	.07210	-.00200	-.00050	-.00070	-.01350	.01350
.254	-5.564	-.32000	.09200	-.31000	.12160	.07000	-.00250	-.00010	-.00070	-.02450	.01940
.254	-.164	-.08640	.10460	-.08620	.10480	.06840	-.00190	-.00030	-.00070	-.01720	.01210
.255	2.632	.03330	.10220	.02860	.10360	.06930	-.00240	-.00030	-.00070	-.02710	.01690
.255	5.540	.16610	.09190	.15660	.10720	.06900	-.00060	.00000	-.00070	-.02510	.00980
.255	7.078	.23590	.08330	.22410	.11130	.06810	-.00100	.00010	-.00060	-.03720	.00680
.254	8.757	.31210	.07400	.29760	.11970	.06930	.00000	.00000	-.00080	-.02790	.00750
.255	10.956	.40930	.05860	.39130	.13380	.06910	.00030	.00000	-.00060	-.03740	.02210
.254	13.157	.50830	.04200	.48620	.15420	.07210	-.00050	.00010	-.00080	-.02960	.01430
.253	16.349	.67300	.01720	.64220	.20180	.07100	.00020	.00000	-.00070	-.04210	.01170
.253	18.592	.79260	.00050	.75290	.24750	.06560	.00090	-.00020	-.00070	-.02760	.00720
	GRADIENT	.04282	-.00086	.04106	-.00043	.00032	-.00018	.00000	.00000	-.00354	.00172

ARC 218-1-12 OA101 (OV102) (R2Q086) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 292/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-8.129	-.43140	.07790	-.41660	.13630	.07190	.00280	-.00080	-.00040	-.04010	.02040
.253	-5.666	-.31760	.09130	-.30740	.12130	.06900	.00260	-.00080	-.00040	-.00550	-.00910
.252	-.164	-.08140	.10550	-.08120	.10560	.06720	.00110	-.00060	-.00040	-.03730	.01280
.253	2.665	.04040	.10320	.03560	.10500	.06930	.00140	-.00060	-.00040	-.03210	.01250
.253	5.591	.17520	.09300	.16550	.10940	.06680	.00200	-.00030	-.00040	-.03910	.02440
.253	7.165	.24490	.08360	.23280	.11300	.06710	.00220	-.00030	-.00040	-.04890	.01950
.252	8.909	.32290	.07310	.30800	.12130	.06750	.00240	-.00030	-.00040	-.02450	.02500
.252	11.134	.42540	.05820	.40670	.13760	.06950	.00170	-.00020	-.00030	-.02470	.01500
.251	13.344	.52410	.04210	.50100	.15940	.07290	.00240	-.00020	-.00040	-.03210	.01740
.251	16.597	.68920	.01700	.65700	.20880	.07030	.00170	.00000	-.00020	-.02750	.01770
.250	18.870	.81600	.00200	.77360	.25980	.06440	.00080	.00030	-.00020	-.01960	.01520
	GRADIENT	.04305	-.00081	.04129	-.00021	.00074	.00011	.00000	.00000	.00184	-.0' '11

ARC 218-1-12 OA101 (OV102) (R2Q0B7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 298/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-7.962	-.41930	.07750	-.40510	.13320	.06940	-.03140	.00070	.00.40	-.05440	.02470
.251	-5.646	-.31570	.09070	-.30560	.12040	.06760	-.03490	.00120	.00090	-.06360	.05360
.254	-.122	-.07480	.10380	-.07460	.10390	.06560	-.03440	.00100	-.00060	-.03220	.02240
.253	2.708	.04700	.10250	.04220	.10460	.06780	-.03510	.00150	-.00110	-.04690	.02720
.253	5.521	.17620	.09190	.16680	.10810	.06940	-.03180	.00150	-.00220	-.03990	.00000
.253	7.212	.24990	.08350	.23770	.11360	.06780	-.02920	.00120	-.00320	-.04010	.02520
.253	8.859	.32460	.07380	.30970	.12190	.06710	-.02760	.00120	-.00350	-.02550	-.01490
.253	11.174	.42960	.05790	.41080	.13840	.06780	-.02770	.00110	-.00480	-.05700	.01710
.253	13.397	.52990	.04170	.50660	.16070	.06990	-.02870	.00130	-.00520	-.04730	-.02280
.252	16.641	.69650	.01630	.66410	.21060	.06660	-.02900	.00100	-.00530	-.06940	.01370
.251	18.704	.81460	.00160	.77310	.25670	.06150	-.02650	.00040	-.00580	-.05980	-.01580
	GRADIENT	.04305	-.00046	.04128	.00025	.00078	-.00025	.00018	-.00018	-.00520	.00170

ARC 218-1-12 OA101 (OV102) (R20B8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 299/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-6.319	-.06740	.10160	-.06730	.10160	.06290	.10630	-.00710	.00110	-.03470	.00030
.254	-4.254	-.07550	.10440	-.07540	.10450	.06540	.07210	-.00460	.00000	-.03720	-.00790
.253	-2.081	-.07740	.10550	-.07720	.10560	.06610	.03490	-.00230	-.00050	-.06240	-.02340
.253	-1.077	-.07770	.10500	-.07760	.10520	.06620	.01860	-.00150	-.00040	-.02560	-.01500
.253	.012	-.08360	.10550	-.08320	.10580	.06570	.00000	-.00070	-.00030	-.03320	-.02260
.253	.563	-.07900	.10490	-.07870	.10510	.06560	-.00870	-.00020	-.00040	-.03770	-.00750
.253	1.085	-.07650	.10550	-.07620	.10570	.06650	-.01850	.00020	-.00040	-.03790	-.01260
.254	2.107	-.07070	.10470	-.07070	.10470	.06490	-.03540	.00110	-.00070	-.04250	.00230
.253	3.130	-.06970	.10440	-.06970	.10440	.06640	-.05210	.00200	-.00070	-.03720	.00190
.254	4.174	-.06900	.10370	-.06890	.10370	.06600	-.06880	.00300	-.00110	-.09870	.06340
.254	6.242	-.06570	.10110	-.06560	.10110	.06380	-.10330	.00580	-.00210	-.04000	.00480
.254	8.322	-.05430	.09860	-.05430	.09860	.06090	-.13610	.00860	-.00370	-.03550	.00550
.253	10.268	-.04950	.09360	-.04960	.09350	.05580	-.17550	.01420	-.00640	-.04220	-.00800
	GRADIENT	.00106	-.00010	.00105	-.00011	.00003	-.01675	.00088	-.00010	-.00357	.00660

ARC 218-1-12 OA101 (OV102) (R2Q089) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 293/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.163	.16640	.09070	.15730	.10570	.06350	.10130	-.00670	.00560	-.02780	.00830
.253	-4.189	.16570	.09330	.15640	.10820	.06730	.06780	-.00450	.00330	-.03210	.00270
.252	-2.048	.16300	.09450	.15360	.10900	.06870	.03360	-.00240	.00150	-.03200	.01750
.253	-1.050	.16150	.09510	.15210	.10950	.06960	.01750	-.00160	.00040	-.01240	.01270
.252	-.232	.16050	.09480	.15120	.10900	.06760	.00350	-.00090	-.00030	-.02980	.00500
.253	.575	.16230	.09410	.15310	.10850	.06880	-.00710	.00030	-.00100	-.03000	.01520
.253	1.071	.16270	.09400	.15350	.10840	.07110	-.01560	.00090	-.00130	-.02240	.00750
.252	2.128	.16270	.09330	.15350	.10770	.06990	-.03110	.00160	-.00230	-.02760	.01280
.252	3.174	.16500	.09320	.15580	.10790	.06880	-.04840	.00250	-.00300	-.01350	-.00610
.252	4.198	.16770	.09230	.15860	.10720	.06890	-.06560	.00370	-.00380	-.02790	.00330
.252	6.257	.17120	.09030	.16220	.10560	.06540	-.09850	.00610	-.00650	-.01040	.01040
.252	8.261	.17580	.08660	.16710	.10240	.06210	-.13160	.00840	-.00870	-.02020	.01530
.253	10.278	.18110	.08320	.17270	.09950	.05880	-.17350	.01460	-.01330	-.02510	.02510
	GRADIENT	.00025	-.00018	.00028	-.00018	.00019	-.01577	.00098	-.00085	.00094	-.00094

ARC 218-1-12 OA101 (OV102) (R2Q0C0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 300/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-6.179	.43780	.05550	.41950	.13710	.05540	.09780	-.00650	.01210	-.01780	-.01210
.253	-4.147	.43530	.05760	.41640	.13940	.06310	.06290	-.00380	.00800	-.02730	.01260
.254	-2.025	.42970	.05930	.41060	.13990	.06[illegible]	.03220	-.00190	.00490	-.03990	.00980
.253	-1.154	.43060	.05900	.41160	.13970	.06800	.01880	-.00140	.00219	-.03970	.01980
.254	.001	.41390	.06030	.39570	.13570	.06650	.00150	-.00050	-.00040	-.03240	-.01770
.254	.475	.41640	.06040	.39810	.13610	.06570	-.00640	-.00010	-.00130	-.08130	.02130
.253	.982	.41230	.06180	.39400	.13620	.06670	-.01440	.00030	-.00210	-.03160	.02700
.253	2.119	.43420	.05830	.41520	.13990	.06720	-.02980	.00100	-.00480	-.06210	.02670
.253	3.135	.43660	.05740	.41780	.13910	.06490	-.04560	.00170	-.00690	-.02210	-.00250
.253	4.146	.43850	.05630	.41990	.13840	.06210	-.06280	.00280	-.00880	-.07610	.02650
.253	6.178	.44430	.05350	.42610	.13670	.05620	-.09590	.00540	-.01290	-.02190	.01720
.254	8.258	.44550	.05160	.42780	.13480	.05370	-.12930	.00770	-.01670	-.05870	.03410
.253	10.230	.45390	.04870	.43640	.13400	.05250	-.17370	.01410	-.02310	-.03160	.04170
	GRADIENT	.00051	-.00016	.00055	-.00011	-.00015	-.01510	.00077	-.00205	-.00342	.00096

ARC 218-1-12 OA101 (OV102) (R2Q0C1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 301/ 0 RN/L = 7.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-5.843	.70550	.01480	.67270	.21300	.06410	.08580	-.00230	.01400	-.03580	-.01450
.252	-3.876	.69930	.01620	.66640	.21280	.06850	.05810	-.00240	.00890	-.02930	.01950
.252	-2.075	.70270	.01600	.66980	.21330	.06650	.03350	-.00160	.00470	-.03210	.02740
.252	-.043	.70110	.01610	.66820	.21280	.06660	.00200	-.00030	-.00030	-.05210	.01710
.252	2.097	.70340	.01540	.67080	.21230	.06510	-.03030	.00090	-.00510	-.02970	.00940
.252	4.035	.70230	.01530	.66980	.21170	.06640	-.05940	.00170	-.01010	-.00750	-.01710
.252	6.094	.70600	.01340	.67390	.21090	.06270	-.08900	.00160	-.01470	-.03710	.00750
.252	7.062	.71050	.01180	.67890	.20970	.05740	-.10430	.00260	-.01790	-.04660	.01690
	GRADIENT	.00033	-.00012	.00039	-.00016	-.00028	-.01495	.00054	-.00239	.00235	-.00460

ARC 218-1-12 0A101 (0V102) (R2Q0C2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 8.000

RUN NO. 295/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-11.963	-.07920	.10600	-.07910	.10610	.07240	-.01810	.00730	-.00440	-.01720	.00230
.252	-9.978	-.07920	.10640	-.07910	.10650	.07170	-.01460	.00590	-.00390	-.02960	.00950
.252	-4.929	-.07880	.10580	-.07870	.10590	.06860	-.00840	.00300	-.00230	-.06640	.03130
.252	-2.547	-.07680	.10520	-.07670	.10530	.06680	-.00310	.00100	-.00130	-.03990	-.01060
.252	.028	-.07640	.10460	-.07630	.10470	.06690	-.00080	-.00060	-.00040	-.04250	.00230
.252	2.556	-.07940	.10490	-.07930	.10500	.06690	.00430	-.00240	.00040	-.02970	.00450
.252	5.073	-.07880	.10560	-.07870	.10570	.06930	.00850	-.00430	.00130	-.03500	.00980
.252	10.129	-.08000	.10690	-.07990	.10700	.07170	.01550	-.00720	.00280	-.03720	.00680
	GRADIENT	-.00006	-.00013	-.00006	-.00013	-.00020	.00161	-.00071	.00036	.00426	-.00262

ARC 218-1-12 0A101 (0V102) (R2Q0C3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 8.000

RUN NO. 294/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-11.963	.14830	.09590	.13940	.10840	.07230	-.01510	.00620	-.00360	-.02510	.00000
.252	-9.936	.14950	.09680	.14050	.10940	.07070	-.01350	.00520	-.00320	-.02060	.00570
.252	-4.960	.15080	.09580	.14190	.10860	.06890	-.00640	.00250	-.00180	-.03710	.01750
.252	-2.397	.14920	.09580	.14040	.10830	.06730	-.00400	.00100	-.00110	-.03970	.00430
.252	.066	.14920	.09550	.14040	.10810	.06740	-.00130	-.00040	-.00050	-.03210	.00700
.252	2.546	.14980	.09500	.14100	.10770	.06760	.00410	-.00210	.00040	-.02700	.00230
.252	5.054	.14950	.09530	.14060	.10790	.06860	.00780	-.00360	.00110	-.02700	.00230
.252	10.119	.14930	.09630	.14040	.10880	.06950	.01470	-.00630	.00240	-.04490	.00460
	GRADIENT	-.00012	-.00011	-.00011	-.00012	-.00015	.00137	-.00061	.00029	.00151	-.00173

ARC 218-1-12 OA101 (OV102) (R2Q0C4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	8.000		

RUN NO. 296/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-11.973	.41890	.05830	.40060	.13570	.07020	-.01150	.00500	-.00270	-.02930	.02440
.252	-9.946	.41750	.05880	.39910	.13600	.06940	-.01010	.00430	-.00250	-.04640	.04150
.252	-4.970	.41700	.05870	.39860	.13580	.06890	-.00450	.00210	-.00150	-.02200	.00730
.252	-2.447	.41930	.05870	.40090	.13630	.06810	-.00150	.00100	-.00100	-.03230	.00680
.252	.076	.41830	.05890	.39980	.13630	.06750	.00110	-.00020	-.00030	-.04760	.01760
.252	2.518	.42000	.05840	.40160	.13610	.06810	.00430	-.00140	.00030	-.03230	.01740
.252	5.064	.41770	.05870	.39930	.13590	.06910	.00650	-.00260	.00070	-.03190	.00720
.252	10.178	.41650	.05840	.39820	.13540	.06960	.01280	-.00490	.00160	-.05410	.01430
	GRADIENT	.00032	-.00003	.00032	.00004	-.00012	.00116	-.00047	.00024	-.00187	.00165

ARC 218-1-12 OA101 (OV102) (R2Q0C5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	8.000		

RUN NO. 297/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-11.963	.69290	.01600	.66060	.20940	.06970	-.01060	.00440	-.00220	-.02480	-.00530
.251	-9.946	.69220	.01650	.65990	.20960	.07030	-.01000	.00380	-.00210	-.02220	-.00270
.251	-4.929	.69330	.01600	.66120	.20940	.06920	-.00420	.00200	-.00130	-.03510	.01060
.251	-2.497	.69290	.01620	.66070	.20950	.06870	-.00170	.00100	-.00070	-.05890	.02410
.251	.038	.69370	.01630	.66140	.20990	.06930	.00020	-.00010	-.00030	-.04160	.02190
.251	2.537	.68900	.01640	.65680	.20870	.06870	.00370	-.00120	.00010	-.01950	.01960
.251	5.083	.69360	.01610	.66140	.20980	.06940	.00590	-.00210	.00060	-.03910	.01950
.251	10.148	.69190	.01610	.65970	.20920	.06990	.01060	-.00410	.00140	-.05370	.02440
	GRADIENT	-.00049	.00005	-.00050	-.00007	-.00004	.00103	-.00043	.00018	.00260	.00098

ARC 218-1-12 OA101 (0V102) (R2Q0C6) (01 FEB 78)

PEFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = -5.000
RN/L = 8.000

RUN NO. 303/ 0 RN/L = 7.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-8.096	-.42220	.07740	-.40770	.13440	.06840	-.00830	.00350	-.00260	-.04990	.03510
.253	-5.670	-.31470	.09140	-.30450	.12110	.06630	-.01030	.00400	-.00250	-.00050	.00560
.252	-.196	-.07780	.10570	-.07760	.10590	.06740	-.00780	.00300	-.00220	-.04210	-.00240
.253	2.646	.04360	.10360	.03880	.10540	.06840	-.00640	.00240	-.00200	-.04710	.02250
.253	5.637	.17730	.09300	.16750	.10970	.06620	-.00620	.00260	-.00190	-.04400	.02930
.253	7.220	.24950	.08300	.23740	.11320	.06570	-.00540	.00240	-.00170	-.04490	.00030
.253	8.938	.32520	.07300	.31030	.12170	.06560	-.00520	.00230	-.00150	-.02300	-.01200
.252	11.152	.42890	.05710	.41030	.13720	.06730	-.00480	.00210	-.00150	-.03700	.00210
.252	13.356	.52780	.04130	.50480	.15960	.07020	-.00360	.00190	-.00150	-.00690	-.03830
.252	16.629	.69340	.01610	.66120	.20940	.06760	-.00300	.00170	-.00130	-.06940	.00480
.251	18.881	.81950	.00120	.77710	.26020	.06180	-.00330	.00170	-.00050	-.02690	.00240
	GRADIENT	.04273	-.00074	.04097	-.00018	.00035	.00049	-.00021	.00007	-.00176	.00876

ARC 218-1-12 OA101 (OV102) .R2Q0C7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-5.000
RN/L =	8.000		

RUN NO. 302/ 0 RN/L = 7.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-6.315	.16860	.09070	.15960	.10580	.06140	.09690	-.00430	.00450	-.03680	.02180
.253	-4.195	.16830	.09350	.15900	.10350	.06550	.06040	-.00140	.00200	-.03710	.03220
.253	-2.114	.16290	.09400	.15370	.10850	.06570	.02750	.00060	.00000	-.03280	.02260
.253	-1.063	.16390	.09460	.15460	.10920	.06710	.01060	.00120	-.00110	-.03520	.01050
.253	-.239	.16290	.09520	.15350	.10970	.06660	-.00560	.00230	-.00150	-.05220	.03260
.254	.621	.16530	.09350	.15600	.10820	.06780	-.01730	.00320	-.00210	-.02200	.05700
.253	1.061	.16530	.09410	.15600	.10880	.07010	-.02290	.00350	-.00240	-.01750	.00780
.253	2.107	.16750	.09310	.15830	.10800	.06870	-.03950	.00440	-.00330	-.01230	-.01710
.253	3.188	.16880	.09280	.15960	.10780	.06720	-.05670	.00550	-.00450	-.02740	.00280
.253	4.195	.17010	.09180	.16100	.10700	.06600	-.07310	.00660	-.00540	-.02680	.02200
.253	6.260	.17700	.08870	.16810	.10460	.06320	-.10710	.00900	-.00790	-.04910	.00960
.253	8.250	.17990	.08680	.17120	.10290	.06140	-.14090	.01140	-.01030	-.05870	.02440
.252	10.287	.18670	.08260	.17830	.09940	.05630	-.18130	.01730	-.01450	-.05470	.03500
	GRADIENT	.00050	-.00023	.00052	-.00018	.00022	-.01586	.00095	-.00085	.00218	-.00289

ARC 218-1-12 OA101 (OV102) (R2Q0C8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-12.000
RN/L =	8.000		

RUN NO. 305/ 0 RN/L = 7.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-6.217	.16930	.09040	.16030	.10560	.06260	.08290	.00070	.00180	-.02470	.01500
.253	-4.205	.16640	.09310	.15710	.10790	.06520	.04860	.00300	-.00030	-.04720	-.00750
.252	-2.093	.16530	.09400	.15600	.10870	.06730	.01650	.00460	-.00240	-.02510	.00550
.253	-1.045	.16040	.09500	.15100	.10930	.06950	.00050	.00510	-.00280	-.01030	.01050
.253	-.216	.16160	.09440	.15230	.10870	.06820	-.01440	.00590	-.00370	-.06730	.02190
.253	.601	.16830	.09310	.15910	.10800	.07020	-.02600	.00670	-.00400	-.03180	.01220
.253	1.080	.16440	.09320	.15520	.10780	.07210	-.03220	.00700	-.00430	-.03500	.01470
.253	2.121	.16760	.09280	.15850	.10770	.07000	-.04960	.00800	-.00520	-.03470	.02480
.253	3.168	.16760	.09180	.15850	.10670	.06880	-.06590	.00920	-.00640	-.00520	.00540
.253	4.190	.17040	.09080	.16140	.10600	.06700	-.08170	.01010	-.00730	-.04190	.01180
.253	6.256	.17460	.08820	.16580	.10380	.06300	-.11460	.01200	-.00940	-.07150	.03200
.252	8.268	.18210	.08450	.17360	.10090	.05890	-.15080	.01490	-.01240	-.02000	-.00450
.252	10.286	.18570	.07950	.17760	.09630	.05310	-.19070	.02060	-.01640	-.03480	.02470
	GRADIENT	.00061	-.00034	.00065	-.00028	.00032	-.01555	.00085	-.00080	.00132	.00193

ARC 218-1-12 OA101 (OV102) (R2Q003) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 217/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.251	-35.167	-.14680	.13720	-.15740	.12490	.14020	-.00330	-.00030	-.00040	-.01790
.251	-30.048	-.14890	.13270	-.15880	.12070	.14700	-.00550	.00090	.00220	.10640
.252	-20.123	-.12040	.09960	-.12790	.08960	.13850	-.00520	.00030	-.00040	-.03200
.252	-15.054	-.03990	.08380	-.04660	.08030	.10550	-.00470	.00020	-.00050	.00770
.251	-10.046	.04620	.07100	.04040	.07450	.06960	-.00460	.00010	-.00080	.02530
.252	-8.040	.08230	.06650	.07660	.07300	.05450	-.00380	-.00010	-.00060	-.01450
.252	-5.976	.11760	.06230	.11210	.07170	.03940	-.00520	.00020	-.00060	.04950
.252	-3.993	.15690	.05920	.15150	.07200	.02290	-.00340	-.00010	-.00070	.04520
.252	-2.984	.17240	.05780	.16700	.07190	.01550	-.00230	-.00010	-.00070	.04360
.252	-2.002	.18930	.05600	.18400	.07150	.00740	-.00350	.00000	-.00070	.04180
.251	-1.026	.20720	.05600	.20180	.07310	.00060	-.00280	-.00010	-.00080	.03960
.253	-.032	.22070	.05440	.21540	.07280	-.00700	-.00410	.00000	-.00070	-.00280
.252	.972	.23730	.05460	.23190	.07400	-.01390	-.00450	.00000	-.00070	.02490
.252	1.959	.25380	.05430	.24830	.07530	-.02220	-.00340	-.00010	-.00080	.02030
.252	2.966	.27170	.05410	.26610	.07680	-.02930	-.00490	.00010	-.00070	.01640
.252	3.986	.28550	.05380	.27980	.07820	-.03620	-.00510	.00010	-.00070	.03010
.252	5.976	.31950	.05610	.31350	.08340	-.05340	-.00530	.00010	-.00080	.05550
.252	7.973	.35990	.06040	.35340	.09080	-.07200	-.00590	.00030	-.00090	.00870
.251	9.950	.39760	.06390	.39070	.09750	-.09080	-.00500	.00020	-.00090	.00290
.251	20.137	.56220	.08530	.55260	.13420	-.17020	-.00500	.00040	-.00080	.17320
	GRADIENT	.01627	-.00063	.01624	.00081	-.00745	-.00027	.00002	-.00000	-.00333

ARC 218-1-12 OA101 (OV102) (R2Q000) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 BDFLAP = -11.700
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 218/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.251	-35.112	-.22970	.12950	-.23900	.11120	.19780	-.00450	-.00030	-.00020	-.05270
.252	-20.112	-.21550	.08800	-.22130	.07080	.20110	-.00420	-.00020	-.00030	-.04290
.252	-15.049	-.13560	.07320	-.14110	.06200	.16820	-.00660	.00010	-.00050	-.01260
.252	-10.020	-.04390	.06230	-.04880	.05860	.12860	-.00650	.00020	-.00050	.01290
.251	-8.059	-.00700	.06020	-.01190	.05950	.11280	-.00620	.00010	-.00050	-.00690
.252	-5.988	.03200	.05720	.02720	.05960	.09470	-.00400	.00000	-.00050	.03120
.252	-3.996	.07330	.05560	.06840	.06150	.07650	-.00540	.00010	-.00050	.05740
.251	-2.989	.09160	.05580	.08680	.06300	.06780	-.00560	.00010	-.00070	.05300
.252	-2.005	.11100	.05490	.10610	.06380	.05830	-.00430	.00000	-.00070	.03920
.251	-1.005	.13110	.05530	.12620	.06580	.04970	-.00550	.00020	-.00060	.02330
.251	-.025	.15150	.05470	.14650	.06710	.04040	-.00530	.00010	-.00070	.01490
.251	.963	.17350	.05550	.16830	.06950	.03020	-.00530	.00010	-.00080	.03860
.251	1.949	.19190	.05490	.18660	.07090	.02130	-.00420	.00010	-.00070	.01610
.251	2.957	.21150	.05580	.20610	.07320	.01260	-.00380	.00000	-.00070	.00170
.252	4.005	.22790	.05640	.22240	.07510	.00470	-.00470	.00010	-.00070	.02350
.252	5.001	.24470	.05590	.23900	.07670	-.00360	-.00310	.00000	-.00060	.04560
.252	6.018	.26420	.05720	.25840	.07940	-.01290	-.00380	.00010	-.00060	.01800
.252	7.983	.30120	.06070	.29500	.08580	-.03050	-.00370	.00010	-.00100	.01290
.252	9.962	.33570	.06310	.32890	.09200	-.04770	-.00340	.00010	-.00090	-.01790
.251	20.156	.51030	.09130	.50020	.13620	-.13240	-.00410	.00030	-.00090	.16800
	GRADIENT	.01980	.00006	.01971	.00172	-.00915	.00014	-.00000	-.00002	-.00535

ARC 218-1-12 OA101 (OV102) (R2Q0D1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 231/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-11.652	.23980	.05550	.23420	.07590	-.00410	.00050	-.00020	-.00040	5.00260	.01810
.251	-8.008	.24480	.05390	.23920	.07480	-.00810	-.00090	.00000	-.00040	4.98510	.03970
.251	-6.035	.24780	.05280	.24230	.07390	-.01010	-.00150	.00010	-.00040	4.98950	.02940
.251	-2.987	.25230	.05150	.24690	.07300	-.01370	-.00080	-.00010	-.00050	4.98860	.01870
.251	-.030	.25720	.05070	.25190	.07260	-.01730	-.00030	-.00010	-.00030	4.98610	.02120
.251	3.023	.26430	.05040	.25900	.07300	-.02260	-.00130	.00000	-.00060	4.99780	.03290
.251	6.030	.27110	.05130	.26570	.07440	-.02730	-.00020	-.00010	-.00030	4.97240	.04160
.251	8.010	.27750	.05140	.27200	.07520	-.03100	-.00140	.00010	-.00050	4.99530	.02540
.251	12.119	.28760	.05270	.28200	.07740	-.03800	-.00090	-.00010	-.00040	5.02010	.02590
.252	16.352	.29690	.05410	.29110	.07960	-.04550	-.00120	.00010	-.00040	4.99340	.04310
.251	22.500	.32370	.06110	.31720	.08900	-.05920	.00020	-.00010	-.00020	5.01760	.02340
	GRADIENT	.00200	-.00018	.00201	.00000	-.00148	-.00008	.00002	-.00002	.00154	.00237

ARC 218-1-12 OA101 (OV102) (R2Q0D2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 232/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-11.849	.05190	.05620	.04700	.06040	.08400	.00140	-.00040	-.00030	-4.98540	.06640
.251	-8.038	.05860	.05470	.05380	.05940	.07910	.00020	-.00030	-.00040	-4.98770	.05370
.251	-5.850	.06350	.05390	.05880	.05900	.07630	.00100	-.00030	-.00040	-4.99000	.04150
.251	-3.103	.07320	.05240	.06860	.05840	.07140	.00150	-.00020	-.00030	-4.97540	.04610
.251	.050	.08110	.05260	.07640	.05920	.06620	.00060	-.00020	-.00040	-4.99540	.06620
.251	2.884	.08970	.05230	.08500	.05960	.06030	.00000	-.00020	-.00040	-4.97750	.03360
.251	5.950	.09950	.05220	.09480	.06040	.05410	.00090	-.00020	-.00040	-4.98260	.04360
.251	8.081	.10570	.05300	.10090	.06170	.05030	.00190	-.00040	-.00030	-4.98020	.04600
.251	12.047	.12000	.05540	.11490	.06530	.04050	.00050	-.00020	-.00030	-4.97780	.03830
.251	16.370	.13740	.06030	.13180	.07170	.03020	.00030	-.00010	-.00040	-4.99050	.05120
.251	22.500	.16090	.06730	.15460	.08070	.01510	.00030	.00000	-.00030	-4.99510	.05130
	GRADIENT	.00275	-.00002	.00273	.00020	-.00185	-.00025	.00000	-.00002	-.00046	-.00193

ARC 218-1-12 0A101 (0V102) (R2Q0D4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 16.400 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 253/ 0 RN/L = 2.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-3.914	.70400	-.02880	.68460	.16660	.01930	.06710	-.00570	.01010	-.01740	-.00280
.252	-2.010	.69670	-.02730	.67740	.16530	.02150	.03530	-.00290	.00440	-.02220	-.00270
.252	.040	.69540	-.02820	.67640	.16420	.02200	-.00340	.00010	-.00100	-.02470	.00460
.251	2.088	.70020	-.02940	.68160	.16290	.02010	-.03620	.00300	-.00650	-.03460	.00450
.251	4.095	.69900	-.03070	.68080	.16110	.01820	-.07180	.00630	-.01270	-.05410	.02410
	GRADIENT	-.00031	-.00030	-.00016	-.00067	-.00018	-.01737	.00149	-.00281	-.00427	.00304

ARC 218-1-12 0A101 (0V102) (R2Q0D5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 16.500 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 249/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.250	-6.128	.71150	-.02990	.69240	.16660	.01090	.10490	-.00900	.01790	-.01270	-.00230
.250	-3.882	.70920	-.02900	.68960	.16810	.01600	.06530	-.00540	.01120	-.01560	-.00940
.250	-2.031	.71330	-.02870	.69330	.17030	.01740	.03580	-.00300	.00530	-.02460	.00470
.250	.027	.71370	-.02920	.69390	.16980	.01800	.00070	-.00010	-.00040	-.02710	.00220
.249	2.069	.71430	-.03010	.69490	.16810	.01680	-.03280	.00240	-.00630	-.02220	.00220
.250	4.105	.71280	-.03170	.69400	.16600	.01500	-.06660	.00500	-.01210	-.01760	.00260
.250	6.188	.71490	-.03300	.69640	.16480	.01050	-.10290	.00790	-.01890	-.02270	-.00740
.250	6.976	.71990	-.03460	.70150	.16520	.00740	-.11610	.00900	-.02170	-.01970	-.00020
	GRADIENT	.00040	-.00034	.00051	-.00033	-.00013	-.01656	.00131	-.00290	-.00006	.00104

ARC 218-1-12 OA101 (OV102) (R2Q0D6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 251/ 0 RN/L = 2.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-7.741	-.38320	.03580	-.37520	.08570	.03120	-.03320	.00250	-.00020	-.03240	.00310
.251	-5.471	-.28020	.04830	-.27450	.07410	.02860	-.03650	.00290	-.00090	-.03000	.01530
.251	-.083	-.04830	.05990	-.04820	.05990	.02660	-.03800	.00300	-.00220	-.02720	.01250
.251	2.676	.07610	.05640	.07340	.05980	.02400	-.03880	.00310	-.00290	-.01780	-.00190
.250	5.431	.20060	.04680	.19540	.06520	.02420	-.03380	.00310	-.00360	-.01230	-.00250
.250	7.078	.27890	.03890	.27220	.07220	.02200	-.02770	.00270	-.00440	-.01210	.00740
.250	8.722	.35430	.02890	.34610	.08110	.02050	-.02670	.00280	-.00480	-.03940	.00950
.250	10.911	.45400	.01440	.44350	.09810	.01990	-.02690	.00280	-.00610	-.02700	.00230
.251	13.098	.55020	-.00270	.53720	.11910	.02160	-.02860	.00310	-.00630	-.02690	.00240
.250	16.250	.70630	-.02780	.68700	.16620	.01950	-.02730	.00260	-.00610	-.03710	-.00220
.249	18.253	.81510	-.04440	.70970	.20690	.01450	-.02770	.00220	-.00630	-.02950	.00960
	GRADIENT	.04510	-.00127	.04408	-.00004	-.00094	-.00029	.00004	-.00025	.00341	-.00522

ARC 218-1-12 OA101 (OV102) (R2Q0D7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 250/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.250	-7.798	-.38250	.03300	-.37480	.08320	.02840	-.03100	.00220	-.00010	-.05900	.05400
.251	-5.541	-.27900	.04610	-.27340	.07200	.02580	-.03590	.00280	-.00060	-.02690	.00240
.250	-.081	-.04500	.05850	-.04490	.05850	.02300	-.03590	.00260	-.00190	-.05170	.03690
.251	2.694	.08000	.05510	.07740	.05870	.02070	-.03650	.00280	-.00250	-.03920	.02430
.250	5.485	.20560	.04550	.20040	.06450	.02050	-.03290	.00280	-.00320	-.01280	-.00240
.250	7.146	.28090	.03730	.27430	.07120	.01960	-.02700	.00220	-.00400	-.01490	-.00020
.251	8.814	.35470	.02710	.34670	.07990	.01780	-.02650	.00230	-.00440	-.03230	-.00720
.251	11.031	.45450	.01200	.44420	.09680	.01740	-.02940	.00250	-.00550	-.02010	-.01520
.250	13.221	.55580	-.00470	.54280	.11960	.01940	-.02900	.00250	-.00570	-.02490	-.00530
.250	16.433	.71870	-.02930	.69890	.17020	.01650	-.02780	.00200	-.00600	-.02490	-.00530
.249	18.477	.82590	-.04450	.79920	.21310	.01160	-.02740	.00180	-.00660	-.03970	-.00060
	GRADIENT	.04504	-.00123	.04407	.00007	-.00083	-.00022	.00007	-.00022	.00450	-.00454

ARC 218-1-12 OA101 (OV102) (R20D8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-OB = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 236/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-4.011	.14820	.04910	.14300	.06250	.04310	-.00190	-.00030	-.00040	-2.01060	-.00920
.251	-1.983	.17300	.04800	.16780	.06380	.03230	-.00180	-.00030	-.00060	-1.06240	.04770
.251	-.005	.19600	.04740	.19070	.06540	.02190	-.00300	-.00030	-.00050	-.03680	.01200
.252	1.983	.21790	.04720	.21260	.06720	.01160	-.00240	-.00030	-.00050	.98700	-.01330
.252	3.995	.23970	.04770	.23420	.06980	.00170	-.00200	-.00030	-.00040	1.98530	-.00990
	GRADIENT	.01141	-.00018	.01137	.00090	-.00518	-.00004	-.00000	.00000	.50255	-.00310

ARC 218-1-12 OA101 (OV102) (R20D9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = -5.000 BETA = .000
ELV-OB = 5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 237/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	.990	.24130	.04800	.23580	.07020	.00020	-.00140	-.00040	-.00030	2.98570	.05430
.252	2.991	.26310	.04840	.25750	.07280	-.00990	.00040	-.00040	-.00040	4.00820	.01990
.252	4.995	.28470	.04900	.27890	.07550	-.01910	-.00120	-.00030	-.00030	5.01000	.01570
.251	6.996	.30680	.05020	.30070	.07880	-.03000	-.00070	-.00020	-.00030	6.01290	.02390
.251	8.999	.33070	.05160	.32430	.08250	-.04020	-.00040	-.00030	-.00050	6.98760	.00960
	GRADIENT	.01084	.00025	.01076	.00132	-.00482	.00005	.00002	.00000	.50548	-.00964

ARC 218-1-12 OA101 (OV102) (R2Q0E0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-OB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 238/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-9.035	.05490	.05470	.04970	.05950	.08700	-.00070	-.00050	-.00030	-6.98190	.03020
.251	-7.020	.07760	.05250	.07250	.05940	.07620	.00060	-.00050	-.00020	-6.00920	.06150
.251	-5.022	.10190	.05090	.09680	.06000	.06520	-.00130	-.00040	-.00040	-4.97520	.03120
.251	-3.006	.12610	.05000	.12100	.06130	.05480	.00010	-.00060	-.00030	-3.96970	.04540
.251	-.989	.15110	.04910	.14600	.06280	.04420	.00080	-.00060	-.00010	-2.96380	.04930
	GRADIENT	.01239	-.00045	.01239	.00074	-.00525	.00035	.00000	.00010	.49864	.00193

ARC 218-1-12 OA101 (OV102) (R2Q0E1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-IB =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 239/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-4.075	.17110	.04830	.16590	.06390	.03570	-.00070	-.00050	-.00030	-2.04230	.08890
.250	-1.977	.18470	.04820	.17950	.06510	.02850	-.00020	-.00060	-.00030	-.99630	.01080
.251	-.004	.19810	.04730	.19290	.06550	.02160	-.00180	-.00030	-.00030	-.00740	-.01270
.250	1.957	.21320	.04800	.20780	.06760	.01440	-.00160	-.00040	-.00050	.97090	-.00490
.251	3.929	.22420	.04780	.21880	.06840	.00810	-.00020	-.00050	-.00050	1.95150	.04620
	GRADIENT	.00675	-.00006	.00672	.00058	-.00348	-.00002	.00001	-.00003	.49922	-.00521

ARC 218-1-12 OA101 (OV102) (R2Q0E2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-IB =	5.000	AILRON =	.000
BDFLAP =	000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 240/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	1.005	.26030	.04810	.25460	.07210	-.00650	-.00190	-.00030	-.00040	3.00290	.00610
.251	2.966	.27000	.04840	.26430	.07350	-.01300	-.00190	-.00030	-.00040	3.98330	.00320
.251	5.011	.28620	.04890	.28030	.07560	-.01970	-.00110	-.00020	-.00040	5.00270	.03290
.251	6.984	.29680	.04980	.29080	.07750	-.02650	-.00020	-.00050	-.00050	5.98750	.02900
.251	8.983	.31330	.05090	.30710	.08010	-.03370	-.00200	-.00020	-.00060	6.98360	-.00660
	GRADIENT	.00495	.00015	.00495	.00071	-.00332	.00000	.00000	.00000	.50003	-.00148

ARC 218-1-12 OA101 (OV102) (R2Q0E3) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-IB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 241/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-9.044	.07620	.05230	.07110	.05910	.07760	-.00070	-.00060	-.00020	-7.03570	-.02720
.251	-7.036	.08870	.05170	.08360	.05960	.07180	-.00090	-.00050	-.00030	-6.02660	.01380
.251	-4.938	.10460	.05090	.09950	.06020	.06570	-.00060	-.00060	-.00030	-4.98020	.04600
.251	-2.928	.11750	.05040	.11240	.06100	.05850	-.00200	-.00040	-.00030	-3.97010	.05330
.251	-1.014	.13310	.05010	.12800	.06210	.05180	-.00070	-.00040	-.00030	-3.01280	.02610
	GRADIENT	.00725	-.00020	.00725	.00048	-.00354	-.00003	.00005	-.00000	.50126	-.00500

ARC 218-1-12 OA101 (OV102) (R2Q0E4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 242/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-4.025	.20150	.04910	.19600	.06760	.02080	.01000	-.00320	-.00760	-.04170	-1.98800
.251	-2.015	.20460	.04870	.19920	.06740	.02040	.00530	-.00180	-.00390	-.02230	-1.00260
.251	-.010	.20180	.04800	.19650	.06650	.02100	.00070	-.00050	-.00010	-.01490	-.01000
.251	1.958	.20140	.04810	.19610	.06650	.02030	-.00400	.00050	.00320	-.02920	.97880
.251	3.997	.20050	.04880	.19510	.06720	.02120	-.01010	.00210	.00700	-.01060	1.99580
	GRADIENT	-.00026	-.00006	-.00024	-.00008	.00004	-.00247	.00064	.00181	.00277	.49706

ARC 218-1-12 OA101 (OV102) (R2Q0E5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 243/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-4.032	.28720	.04980	.28130	.07650	-.02050	.01020	-.00260	-.00750	4.99160	-1.96660
.251	-2.015	.28740	.04940	.28150	.07610	-.02020	.00290	-.00130	-.00380	4.99140	-.96320
.251	-.013	.28590	.04930	.28010	.07590	-.01970	-.00010	-.00040	-.00030	4.99100	.04550
.251	2.002	.28560	.04900	.27980	.07550	-.01970	-.00430	.00040	.00320	4.99130	1.06050
.251	3.982	.28730	.04930	.28140	.07600	-.02040	-.00990	.00150	.00690	4.98670	2.04530
	GRADIENT	-.00008	-.00007	-.00008	-.00008	.00004	-.00236	.00049	.00179	-.00049	.50122

ARC 218-1-12 OA101 (OV102) (R2Q0E6) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 244/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-4.055	.10200	.05060	.09700	.05970	.06480	.00870	-.00320	-.00820	-4.97490	-1.97770
.251	-2.023	.10050	.05080	.09550	.05970	.06540	.00320	-.00200	-.00410	-4.99410	-.95360
.251	-.013	.10040	.05040	.09540	.05940	.06510	-.00150	-.00030	-.00020	-4.99280	.05360
.251	1.976	.10210	.05040	.09710	.05950	.06550	-.00560	.00090	.00350	-4.98740	1.03820
.251	4.008	.10180	.05080	.09670	.05990	.06550	-.01050	.00220	.00720	-4.96830	2.04900
	GRADIENT	.00006	.00000	.00005	.00001	.00007	-.00235	.00068	.00191	.00099	.49913

ARC 218-1-12 OA101 (OV102) (R2Q0E7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 245/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-3.838	.20150	.04860	.19610	.06700	.02050	.00510	-.00150	-.00790	-.02660	-1.92690
.251	-2.388	.19800	.04810	.19270	.06630	.02200	.00240	-.00100	-.00510	-.24920	-1.20190
.251	.024	.20230	.04830	.19700	.06690	.02050	-.00030	-.00040	-.00030	-.02480	.00450
.251	2.078	.20270	.04840	.19740	.06700	.02020	-.00240	.00010	.00360	-.04150	1.03640
.251	4.267	.20190	.04880	.19650	.06730	.01980	-.00330	.00030	.00800	.10580	2.12840
	GRADIENT	.00029	.00004	.00029	.00007	-.00017	-.00103	.00023	.00196	.02488	.50050

ARC 218-1-12 OA101 (OV102) (R20DE8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 246/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-DB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-3.974	.29190	.05040	.28590	.07750	-.02160	.00460	-.00060	-.00820	4.99450	-1.99090
.251	-1.984	.29110	.04990	.28510	.07690	-.02110	.00200	-.00050	-.00430	4.99160	-.99160
.251	.065	.28850	.04940	.28270	.07610	-.02060	.00070	-.00060	-.00020	5.02980	.03070
.251	2.064	.28800	.04990	.28200	.07660	-.02060	-.00310	-.00040	.00360	5.00060	1.02540
.251	4.116	.28790	.05010	.28190	.07690	-.02080	-.00560	-.00020	.00730	4.93190	2.04640
	GRADIENT	-.00055	-.00003	-.00055	-.00007	.00010	-.00126	.00004	.00192	-.00576	.49889

ARC 218-1-12 OA101 (OV102) (R20DE9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 247/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-DB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-4.020	.10270	.05140	.09760	.06060	.06440	.00330	-.00190	-.00760	-5.04590	-2.01660
.251	-1.979	.10290	.05030	.09790	.05950	.06500	-.00030	-.00110	-.00400	-5.00730	-.99850
.251	.140	.10140	.05060	.09640	.05960	.06540	-.00290	-.00050	-.00040	-5.00060	.06130
.251	2.081	.10110	.05020	.09610	.05920	.06480	-.00400	.00030	.00340	-4.98530	1.03430
.251	4.025	.10200	.05110	.09690	.06020	.06450	-.00600	.00080	.00700	-4.99280	2.01100
	GRADIENT	-.00016	-.00004	-.00016	-.00006	.00000	-.00111	.00034	.00182	.00640	.50060

ARC 218-1-12 (OV102), NO SILTS POD (R200F0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 345/ 0 RN/L = 8.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-8.065	-.38670	.02390	-.37980	.07650	.02360	-.00100	-.00030	-.00060	-.00780	-.01730
.253	-5.565	-.27640	.03730	-.27170	.06310	.02090	-.00140	-.00020	-.00060	-.00550	-.02460
.253	-.082	-.04220	.04990	-.04220	.04990	.01780	-.00190	-.00020	-.00070	-.00250	-.02260
.253	2.734	.07890	.04670	.07670	.05040	.01650	-.00330	.00000	-.00060	-.00240	-.02260
.253	5.630	.20840	.03700	.20390	.05680	.01510	-.00070	.00010	-.00070	.03450	-.00160
.254	7.190	.27930	.02770	.27380	.06170	.01420	-.00150	.00020	-.00060	-.00950	-.02540
.253	8.906	.35750	.01750	.35070	.07140	.01270	-.00170	.00020	-.00080	-.03210	-.00280
.253	11.161	.46070	.00200	.45210	.08900	.01280	-.00190	.00030	-.00070	-.00660	-.03310
.253	13.345	.55810	-.01370	.54680	.11250	.01530	-.00190	.00030	-.00060	-.00480	-.01540
.252	16.629	.72820	-.03740	.70970	.16740	.01220	-.00270	.00060	-.00040	-.02970	-.00040
.253	18.909	.85630	-.05160	.82870	.22170	.00530	-.00170	.00040	-.00070	-.01750	-.00710
	GRADIENT	.04300	-.00114	.04222	.00018	-.00046	-.00050	.00007	.00004	.00004	.00000

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0F1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	4.500		

RUN NO. 352/ 0 RN/L = 4.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.254	-7.499	-.36140	.02920	-.35470	.07480	.02270	.00820	-.00040	-.00020	.00180	-.00180
.255	-5.446	-.26960	.03980	-.26480	.06450	.02030	.00790	-.00020	-.00030	.00000	-.00490
.254	-2.247	-.13340	.04990	-.13140	.05490	.01840	.00770	-.00030	-.00030	-.03240	.00750
.254	-.063	-.03700	.05200	-.03700	.05200	.01760	.00740	-.00020	-.00020	.02110	-.02090
.253	2.139	.06100	.05020	.05910	.05240	.01570	.00750	-.00020	-.00020	-.00760	.01770
.255	4.335	.15700	.04370	.15330	.05520	.01440	.00590	-.00010	-.00030	-.02030	.02530
.255	6.538	.26140	.03410	.25600	.06300	.01380	.00680	.00020	-.00030	-.01260	.01760
.255	8.791	.36320	.02050	.35610	.07440	.01170	.00750	.00030	-.00040	-.01270	.00280
.254	10.985	.46450	.00540	.45540	.09170	.01180	.00820	.00010	-.00020	-.00530	.01030
.254	13.170	.56540	-.01040	.55360	.11560	.01370	.00810	.00010	-.00050	.00490	.00010
.254	14.251	.61330	-.01870	.59980	.12920	.01410	.00810	.00010	-.00040	-.00250	-.00730
.254	15.269	.66520	-.02660	.64970	.14520	.01270	.00790	.00010	-.00030	-.02240	.01260
.254	16.367	.72390	-.03500	.70560	.16530	.01070	.00820	.00020	-.00020	-.01220	.00240
.253	17.465	.78510	-.04290	.76330	.18890	.00770	.00770	.00010	-.00020	.00150	-.00640
.253	18.595	.85230	-.05100	.82590	.21650	.00390	.00970	.00000	-.00040	-.00830	.00830
	GRADIENT	.04416	-.00093	.04330	.00006	-.00063	-.00024	.00003	-.00000	.00033	.00420

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0F2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 350/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-7.850	-.38230	.02420	-.37570	.07480	.02320	-.03540	.00320	.00000	-.00980	-.02040
.253	-5.574	-.27920	.03620	-.27460	.06240	.02090	-.03690	.00340	-.00060	-.01220	.00730
.254	-.077	-.04020	.04890	-.04010	.04890	.01720	-.03770	.00360	-.00200	-.03760	-.00760
.253	2.702	.08320	.04630	.08090	.05010	.01590	-.03740	.00360	-.00280	-.03680	.00220
.253	5.553	.21270	.03580	.20830	.05570	.01530	-.03340	.00360	-.00350	-.03760	-.00170
.254	7.225	.28570	.02700	.28020	.06190	.01350	-.03080	.00320	-.00420	-.02240	-.01260
.254	8.921	.36370	.01650	.35700	.07140	.01260	-.02920	.00310	-.00470	-.04240	-.01240
.253	11.151	.46630	.00150	.45760	.08950	.01270	-.03110	.00320	-.00600	-.02740	-.01270
.253	13.402	.56790	-.01470	.55650	.11430	.01450	-.03040	.00320	-.00600	-.03240	-.01280
.248	16.653	.75540	-.03990	.73640	.17280	.01150	-.03160	.00300	-.00640	-.03020	-.01980
.252	18.708	.85560	-.05260	.82910	.21770	.00450	-.03080	.00250	-.00690	-.04700	-.00310
	GRADIENT	.04441	-.00094	.04354	.00043	-.00047	.00011	.00000	-.00029	.00029	.00353

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0F3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 346/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CRL	ELEVON	AILRON
.254	-6.205	.20540	.03430	.20130	.05310	.00710	.10230	-.00870	.00750	-.00510	-.01470
.255	-4.116	.20270	.03600	.19850	.05450	.01070	.06690	-.00610	.00510	-.02760	-.00250
.255	-2.067	.19860	.03740	.19430	.05550	.01340	.03200	-.00310	.00200	.00240	-.01240
.254	-.985	.19940	.03790	.19510	.05600	.01390	.01310	-.00140	.00060	.00020	-.01040
.251	-.174	.20570	.03920	.20130	.05780	.01500	-.00090	-.00020	-.00040	.00540	-.02540
.254	.604	.20240	.03740	.19820	.05580	.01560	-.01180	.00100	-.00140	-.02020	.00000
.254	1.061	.20470	.03670	.20050	.05520	.01490	-.01870	.00160	-.00210	-.02250	.01230
.254	2.049	.20240	.03690	.19820	.05520	.01430	-.03600	.00320	-.00330	.00230	-.01250
.253	3.151	.20710	.03600	.20300	.05480	.01240	-.05460	.00480	-.00510	-.03210	.00700
.254	4.248	.20860	.03530	.20450	.05430	.01050	-.07170	.00630	-.00670	-.00440	-.02030
.254	6.210	.21110	.03270	.20720	.05200	.00730	-.10570	.00910	-.00910	-.01010	.00520
.254	8.467	.21990	.02910	.21630	.04920	.00150	-.14350	.01230	-.01260	.00510	-.01510
.253	10.232	.22340	.02710	.21990	.04760	-.00060	-.17310	.01450	-.01470	-.01240	-.00750
	GRADIENT	.00089	-.00016	.00091	-.00009	-.00001	-.01653	.00149	-.00139	-.00006	.00001

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0F4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 348/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-6.124	.20860	.03470	.20450	.05390	.00960	.09170	-.00250	.00380	-.00440	-.04570
.253	-4.147	.20360	.03700	.19930	.05570	.01290	.05560	.00030	.00100	-.03960	-.01030
.253	-2.515	.20100	.03850	.19670	.05680	.01480	.02710	.00290	-.00130	-.02250	-.02250
.253	-1.045	.19820	.03910	.19380	.05700	.01600	.00170	.00520	-.00340	-.03690	-.00760
.252	-.208	.19810	.04010	.19360	.05800	.01590	-.01350	.00650	-.00430	-.03440	.00470
.253	.606	.20130	.03870	.19700	.05690	.01680	-.02440	.00770	-.00550	-.02480	-.01510
.253	1.053	.20240	.03820	.19810	.05650	.01600	-.03160	.00850	-.00590	-.02690	.01220
.253	2.069	.20410	.03790	.19980	.05640	.01510	-.04790	.00990	-.00750	-.03710	-.01260
.252	3.134	.20550	.03750	.20120	.05620	.01390	-.06380	.01150	-.00890	-.02980	-.01030
.253	4.146	.20590	.03680	.20170	.05560	.01200	-.08150	.01310	-.01060	-.02760	-.01230
.253	6.189	.21320	.03370	.20920	.05320	.00870	-.11580	.01560	-.01320	-.00200	-.02810
.253	8.216	.21910	.03010	.21540	.05030	.00390	-.14740	.01770	-.01570	-.06160	.00680
.253	10.642	.22440	.02820	.22080	.04890	.00120	-.18980	.02130	-.01900	-.05670	.01170
	GRADIENT	.00056	-.00010	.00057	-.00006	-.00009	-.01635	.00154	-.00137	.00062	.00046

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0F5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 349/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-8.016	-.39000	.02450	-.38300	.07720	.02480	-.01600	.00810	-.00550	.00930	-.05430
.253	-5.546	-.28030	.03820	-.27550	.06440	.02190	-.01500	.00780	-.00540	-.04200	-.01270
.253	-.119	-.04510	.05100	-.04500	.05110	.01900	-.01390	.00730	-.00510	-.01140	-.04850
.253	2.719	.07770	.04800	.07540	.05160	.01730	-.01330	.00710	-.00480	-.04250	-.01740
.253	5.656	.20810	.03830	.20340	.05820	.01620	-.01290	.00710	-.00480	-.03720	-.02250
.252	7.188	.28130	.02890	.27560	.06310	.01480	-.01230	.00700	-.00480	-.01650	-.05360
.252	8.903	.35750	.01820	.35070	.07210	.01390	-.01220	.00690	-.00450	-.00600	-.05900
.252	11.150	.46220	.00300	.45340	.09030	.01420	-.01180	.00690	-.00420	-.03450	-.00520
.253	13.354	.56090	-.01300	.54940	.11390	.01670	-.01120	.00680	-.00420	-.03460	-.02480
.251	16.625	.73200	-.03700	.71320	.16880	.01290	-.01160	.00690	-.00400	-.02510	-.02460
.253	18.862	.85710	-.05120	.82950	.22170	.00660	-.01240	.00690	-.00420	-.03300	-.03170
	GRADIENT	.04327	-.00106	.04242	.00018	-.00060	.00021	-.00007	.00011	-.01096	.01096

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0F6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 351/ 0 RN/L = 7.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-22.863	.17450	.05490	.16910	.06970	.02930	-.05690	.02710	-.01620	-.02970	-.01510
.253	-17.979	.17860	.04860	.17380	.06370	.02400	-.04680	.02230	-.01350	-.02260	-.01770
.253	-15.101	.18050	.04620	.17590	.06150	.02140	-.03940	.01940	-.01190	-.03990	.01960
.253	-10.031	.18160	.04280	.17730	.05810	.01760	-.02790	.01370	-.00870	-.03930	-.00540
.253	-4.980	.18350	.04010	.17940	.05570	.01570	-.01410	.00710	-.00450	-.01510	.00040
.253	-2.487	.18330	.03980	.17930	.05530	.01540	-.00650	.00360	-.00240	-.03920	.02430
.253	.113	.18540	.03970	.18130	.05540	.01530	-.00100	.00040	-.00040	-.02280	-.01710
.252	2.508	.18560	.04020	.18150	.05590	.01530	.00640	-.00300	.00170	-.02520	.02540
.253	5.121	.18290	.04120	.17870	.05670	.01550	.01320	-.00630	.00370	-.01520	-.00940
.253	10.315	.18390	.04310	.17960	.05870	.01690	.02590	-.01280	.00760	-.04210	.02230
	GRADIENT	.00034	.00001	.00033	.00003	-.00005	.00267	-.00134	.00082	-.00054	.00125

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0F7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 369/ 0 RN/L = 7.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-8.004	-.40320	.03090	-.39530	.08520	.03450	-.00420	.00000	-.00070	-.02270	.03770
.252	-5.494	-.28920	.04510	-.28370	.07180	.03160	-.00470	.00030	-.00080	-.01490	.02990
.251	-.086	-.05590	.05820	-.05580	.05820	.02880	-.00480	.00040	-.00070	-.02230	.02250
.252	2.726	.06750	.05460	.06490	.05770	.02730	-.00510	.00030	-.00070	-.02970	.02490
.252	5.618	.19710	.04500	.19190	.06370	.02530	-.00390	.00040	-.00080	-.02800	.03320
.252	7.144	.27270	.03660	.26620	.06950	.02350	-.00280	.00040	-.00050	-.01490	.03490
.252	8.889	.34630	.02600	.33840	.07800	.02230	-.00450	.00060	-.00070	-.03300	.03310
.252	11.088	.45020	.00990	.44030	.09430	.02230	-.00450	.00070	-.00050	-.01330	-.00140
.251	13.315	.55410	-.00640	.54130	.11840	.02480	-.00490	.00070	-.00030	-.02170	.01680
.251	16.569	.72060	-.03040	.70050	.17140	.02210	-.00360	.00070	-.00040	-.03800	.00850
.251	18.794	.84670	-.04550	.81810	.22290	.01540	-.00520	.00100	-.00060	-.02080	.01600
	GRADIENT	.04388	-.00128	.04292	-.00018	-.00053	-.00011	-.00004	.00000	-.00263	.00085

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0F8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 8.000

RUN NO. 370/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-7.841	-.39220	.03170	-.38460	.08340	.03260	-.03890	.00310	.00000	-.00300	.00320
.251	-5.551	-.28930	.04430	-.28380	.07130	.03070	-.04110	.00320	-.00060	-.03050	.03070
.252	-.037	-.04950	.05710	-.04950	.05710	.02670	-.04250	.00350	-.00200	-.01580	.02590
.252	2.726	.07140	.05430	.06880	.05750	.02610	-.04260	.00360	-.00250	-.04320	.03350
.251	5.525	.20040	.04460	.19530	.06330	.02460	-.03760	.00330	-.00370	-.04520	.03560
.252	7.194	.27640	.03560	.27000	.06920	.02320	-.03430	.00290	-.00420	-.02870	.00900
.252	8.848	.35070	.02500	.34290	.07750	.02150	-.03430	.00310	-.00470	-.04030	.04050
.252	11.104	.45440	.00980	.44440	.09520	.02150	-.03630	.00330	-.00580	-.02810	.03810
.251	16.568	.72020	-.03090	.70040	.17080	.02070	-.03640	.00330	-.00560	-.00310	.01810
.250	18.611	.83910	-.04520	.81140	.21840	.01450	-.03790	.00340	-.00640	-.03450	.02500
	GRADIENT	.04376	-.00101	.04282	.00014	-.00022	-.00004	.00004	-.00018	-.00992	.00275

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0F9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 371/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-6.088	.19620	.04240	.19150	.06030	.01730	.10120	-.00920	.00800	-.01080	.00110
.251	-4.134	.19280	.04490	.18780	.06240	.02120	.06660	-.00620	.00490	-.02970	.02000
.251	-2.083	.18680	.04690	.18170	.06370	.02410	.03090	-.00300	.00210	-.00630	.01140
.251	-1.032	.18690	.04630	.18190	.06310	.02460	.01280	-.00150	.00070	-.01840	.01840
.251	-.187	.18650	.04670	.18150	.06350	.02480	-.00470	.00010	-.00040	-.00990	-.01470
.251	.569	.18910	.04580	.18410	.06280	.02610	-.01460	.00120	-.00130	-.04020	.05030
.251	1.064	.19080	.04520	.18590	.06250	.02530	-.02080	.00190	-.00210	.00580	-.05170
.251	2.071	.19160	.04500	.18660	.06230	.02450	-.03930	.00360	-.00320	-.06740	.04270
.251	3.133	.19290	.04380	.18810	.06130	.02340	-.05660	.00500	-.00480	.01250	-.00250
.251	4.144	.19680	.04290	.19210	.06070	.02140	-.07430	.00670	-.00620	-.01730	.02260
.251	6.172	.20200	.03990	.19750	.05820	.01690	-.11030	.01020	-.00950	-.02470	.02500
.252	8.199	.20680	.03720	.20260	.05610	.01160	-.14650	.01380	-.01270	-.04200	.01750
.251	10.189	.21070	.03500	.20660	.05420	.00880	-.18450	.01860	-.01670	-.03490	.03030
	GRADIENT	.00071	-.00033	.00075	-.00027	.00003	-.01689	.00156	-.00133	.00065	-.00024

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0G0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	3'5.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 372/ 0 RN/L = 7.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.138	.19820	.04260	.19350	.06080	.01770	.08780	-.00220	.00430	.00030	.01490
.251	-4.098	.19310	.04500	.18810	.06260	.02160	.05080	.00120	.00080	-.02500	.04020
.251	-2.056	.19120	.04670	.18620	.06400	.02340	.01590	.00420	-.00210	-.00840	.02840
.251	-1.027	.18880	.04680	.18380	.06380	.02450	-.00280	.00590	-.00350	-.01330	.01860
.251	-.208	.18870	.04740	.18360	.06440	.02390	-.01880	.00710	-.00460	-.03590	.01640
.251	.512	.19340	.04600	.18840	.06340	.02520	-.02820	.00810	-.00550	-.01050	-.00380
.251	1.038	.19550	.04520	.19060	.06290	.02490	-.03590	.00910	-.00620	-.06760	.04820
.251	2.086	.19300	.04570	.18800	.06310	.02390	-.05360	.01050	-.00740	-.05500	.06000
.251	3.143	.19610	.04470	.19120	.06240	.02230	-.07090	.01190	-.00910	-.03380	.03890
.251	4.131	.19710	.04410	.19230	.06190	.02020	-.08870	.01370	-.01050	-.05300	.05300
.251	6.165	.20340	.04120	.19880	.05960	.01640	-.12470	.01710	-.01380	-.00590	.03090
.251	8.195	.20980	.03780	.20550	.05690	.01140	-.16170	.02070	-.01690	-.07540	.03060
.251	10.187	.21650	.03580	.21230	.05560	.00960	-.19870	.02470	-.02010	-.02620	.01150
	GRADIENT	.00071	-.00020	.00073	-.00015	-.00013	-.01679	.00151	-.00135	-.00480	.00284

ARC 218-1-12 (0V102), NO SILTS POD (R2Q0G1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 373/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-7.977	-.39930	.03170	-.39140	.08520	.03270	-.02190	.00830	-.00540	-.01680	.03210
.251	-5.513	-.28600	.04590	-.28050	.07230	.03060	-.02110	.00800	-.00540	-.02730	.01260
.251	-.063	-.05040	.05860	-.05040	.05870	.02760	-.02140	.00780	-.00530	-.02190	.01720
.251	2.730	.07140	.05540	.06880	.05870	.02630	-.02090	.00760	-.00500	-.01220	-.01700
.251	5.052	.17570	.04810	.17090	.06310	.02450	-.01990	.00740	-.00480	-.01350	.00860
.251	5.622	.20160	.04550	.19630	.06470	.02440	-.01920	.00740	-.00500	-.04000	.02040
.251	7.180	.27330	.03670	.26680	.06980	.02330	-.01860	.00730	-.00500	-.01240	-.01200
.251	8.893	.34990	.02620	.34190	.07880	.02180	-.01830	.00720	-.00460	.02050	-.00030
.251	11.099	.45270	.01080	.44260	.09580	.02190	-.01830	.00690	-.00460	-.01000	-.00960
.251	13.298	.55330	-.00520	.54030	.11920	.02370	-.01850	.00700	-.00440	-.04940	.01990
.250	16.539	.71830	-.02980	.69830	.17100	.02150	-.01840	.00700	-.00410	-.04200	.02730
.249	18.780	.84850	-.04510	.81970	.22370	.01500	-.01810	.00720	-.00410	-.02030	.01560
	GRADIENT	.04362	-.00115	.04269	.00000	-.00047	.00018	-.00007	.00011	.00347	-.01225

ARC 218-1-12 (0V102), NO SILTS POD (R2Q0G2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 368/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-22.892	.16560	.06000	.15980	.07410	.03580	-.06440	.02960	-.01800	-.02680	.03680
.251	-18.043	.16860	.05560	.16320	.06990	.03210	-.05440	.02450	-.01480	-.01000	.02000
.252	-14.934	.16770	.05300	.16250	.06730	.03030	-.04560	.02090	-.01290	.02110	-.01070
.252	-10.052	.17170	.05010	.16670	.06470	.02670	-.03200	.01430	-.00910	-.01200	.02770
.252	-4.919	.17270	.04870	.16780	.06340	.02540	-.01790	.00730	-.00500	.00780	-.00280
.252	-2.417	.17250	.04780	.16780	.06260	.02530	-.01170	.00370	-.00260	.02360	-.01360
.252	.066	.17180	.04790	.16710	.06260	.02530	-.00410	.00030	-.00060	-.00480	.01480
.252	2.556	.17180	.04840	.16690	.06310	.02550	.00410	-.00380	.00160	-.01440	.01980
.252	5.064	.17140	.04830	.16650	.06290	.02520	.01090	-.00730	.00380	-.02670	.04170
.251	10.099	.17090	.05010	.16590	.06470	.02640	.02540	-.01450	.00800	-.00960	.01970
	GRADIENT	-.00014	-.00003	-.00014	-.00004	.00001	.00295	-.00147	.00088	-.00381	.00386

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0G3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 353/ 0 RN/L = 7.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-8.053	-.41260	.05520	-.40120	.11090	.05650	-.00070	-.00020	-.00060	-.02240	.00270
.251	-5.555	-.30200	.06890	-.29420	.09690	.05460	-.00190	-.00020	-.00050	-.03460	.00940
.251	-.097	-.06760	.08190	-.06760	.08190	.05110	-.00300	-.00020	-.00060	-.01800	-.01190
.251	2.697	.05380	.07950	.05000	.08190	.05000	-.00360	.00010	-.00040	-.01270	-.00720
.251	5.628	.18600	.06880	.17850	.08640	.04760	-.00210	.00010	-.00050	-.01260	-.00220
.251	7.164	.25770	.05920	.24860	.09020	.04630	-.00300	.00030	-.00080	-.01460	.01470
.251	8.921	.33490	.04850	.32370	.09880	.04560	-.00340	.00050	-.00070	-.01410	.02980
.251	11.113	.43810	.03310	.42400	.11510	.04590	-.00330	.00050	-.00050	-.02710	.00220
.251	13.313	.53760	.01680	.52000	.13740	.04820	-.00240	.00040	-.00050	-.01460	-.02520
.251	16.556	.70490	-.00730	.67910	.18920	.04490	-.00300	.00070	-.00080	-.05660	.02160
.249	18.824	.83510	-.02140	.79930	.24270	.03870	-.00330	.00080	-.00090	-.02940	.01940
	GRADIENT	.04344	-.00086	.04208	-.00000	-.00039	-.00021	.00011	.00007	.00190	.00168

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0G4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 359/ 0 RN/L = 4.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-7.878	-.40510	.05690	-.39390	.11030	.05590	-.00160	-.00010	-.00050	-.02560	.04060
.252	-5.456	-.29590	.07060	-.28820	.09760	.05410	-.00220	-.00020	-.00050	-.02840	.04340
.253	-.084	-.06310	.08290	-.06300	.08290	.05070	-.00260	.00010	-.00080	-.02810	.02820
.252	2.669	.05540	.07990	.05170	.08230	.05000	-.00240	.00030	-.00080	-.03830	.04330
.250	4.547	.13520	.07330	.12910	.08360	.04870	-.00290	.00000	-.00070	.00820	-.00820
.251	5.557	.18960	.06990	.18210	.08760	.04720	-.00050	.00040	-.00080	-.01480	.02490
.251	7.057	.25890	.06080	.24970	.09160	.04620	-.00030	.00040	-.00080	-.01680	.02720
.251	8.752	.33280	.05040	.32160	.09950	.04500	-.00210	.00050	-.00090	-.01700	.01230
.251	10.944	.43220	.03490	.41820	.11450	.04540	-.00110	.00060	-.00080	-.01700	.01230
.251	13.087	.52950	.01820	.51240	.13500	.04710	-.00110	.00050	-.00110	-.02440	.01950
.249	16.303	.69550	-.00620	.67060	.18470	.04480	-.00290	.00070	-.00070	-.02920	.03920
.249	18.505	.81360	-.02190	.78030	.23130	.03900	-.00110	.00050	-.00080	-.02200	.01710
	GRADIENT	.04284	-.00200	.04149	.00012	-.00042	-.00005	-.00001	.00002	.00699	-.00687

ARC 218-1-12 OA101 (OV102) NO SILTS, F.D. SEALED (R2QQG5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 360/ 0 RN/L = 5.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-7.856	-.40930	.05600	-.39830	.10980	.05660	-.00300	-.00030	-.00060	.02950	.00620
.253	-5.464	-.30080	.06990	-.29310	.09740	.05440	-.00210	-.00040	-.00060	.00660	.01340
.253	-.071	-.06870	.08240	-.06860	.08250	.05160	-.00350	-.00030	-.00050	-.01030	.03070
.253	2.683	.04890	.07870	.04520	.08080	.05050	-.00290	-.00030	-.00070	-.00020	.02060
.253	5.521	.17740	.06940	.17000	.08580	.04860	.00050	.00010	-.00080	-.02920	.04960
.252	7.027	.25020	.05990	.24120	.08940	.04780	-.00260	.00030	-.00070	-.00480	.01480
.253	8.700	.32060	.04950	.30970	.09650	.04660	-.00140	.00010	-.00080	-.01500	.02000
.252	10.903	.42320	.03430	.40960	.11200	.04670	-.00260	.00010	-.00060	-.02780	.02290
.252	13.096	.52190	.01880	.50470	.13390	.04850	-.00190	.00010	-.00030	-.00230	-.00760
.251	16.257	.68210	-.00590	.65770	.18090	.04630	-.00280	.00050	-.00020	-.01440	.02470
.250	18.528	.80910	-.02140	.77580	.23080	.03960	-.00250	.00050	-.00050	-.01220	.00740
	GRADIENT	.04272	-.00134	.04134	-.00062	-.00040	.00022	.00000	-.00007	.00367	-.00367

ARC 218-1-12 (OV102), NO SILTS POD (R2QQG6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 8.000

RUN NO. 357/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-7.850	-.40400	.05510	-.39320	.10830	.05530	-.03670	.00180	.00080	.00190	.02310
.251	-5.572	-.30160	.06780	-.29390	.09590	.05310	-.03890	.00220	.00030	-.02930	.05950
.251	-.084	-.06350	.08080	-.06340	.08090	.04950	-.04340	.00260	-.00130	-.00500	-.00460
.252	2.703	.05740	.07820	.05370	.08080	.04860	-.04060	.00250	-.00200	-.00600	.02100
.251	5.530	.19020	.06790	.18290	.08560	.04690	-.03960	.00260	-.00280	-.01780	.02790
.252	7.190	.26140	.05920	.25220	.09080	.04560	-.03550	.00230	-.00370	-.01500	.02000
.251	8.862	.33980	.04880	.32860	.09950	.04420	-.03390	.00220	-.00400	-.04670	.05670
.252	11.129	.43960	.03310	.42540	.11550	.04440	-.03450	.00250	-.00540	-.03210	.02740
.251	13.340	.54470	.01660	.52700	.13900	.04570	-.03490	.00280	-.00580	-.03480	.01490
.251	16.567	.70900	-.00740	.68300	.19030	.04180	-.03580	.00250	-.00590	-.00760	-.00710
.250	18.670	.82920	-.02220	.79460	.23800	.03580	-.03340	.00190	-.00650	-.02530	.02530
	GRADIENT	.04338	-.00093	.04201	-.00004	-.00032	.00100	-.00004	-.00025	-.00036	.00919

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0G7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 354/ 0 RN/L = 7.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-6.143	.18080	.06610	.17400	.08250	.04070	.10380	-.00860	.00700	-.01010	.00520
.251	-4.104	.17830	.06850	.17130	.08460	.04390	.06790	-.00520	.00440	-.00210	.02720
.251	-2.101	.17480	.06970	.16770	.08540	.04700	.03310	-.00270	.00150	.00020	.01480
.250	-1.062	.17390	.06970	.16680	.08530	.04830	.01540	-.00140	.00070	-.02790	.01290
.251	-.223	.17170	.07020	.16460	.08550	.04760	.00040	-.00030	-.00040	-.03320	.02320
.251	.608	.17550	.06930	.16840	.08500	.04890	-.01380	.00060	-.00130	-.00250	-.00730
.252	1.065	.17620	.06840	.16920	.08420	.04920	-.02050	.00140	-.00160	-.02930	.02930
.251	2.089	.17950	.06810	.17260	.08420	.04760	-.03840	.00290	-.00310	-.04940	.00920
.251	3.175	.18120	.06770	.17430	.08390	.04620	-.05600	.00420	-.00440	-.01710	.01220
.251	4.162	.18080	.06660	.17390	.08290	.04470	-.07310	.00560	-.00530	-.00230	.01240
.251	6.226	.18620	.06430	.17960	.08110	.04100	-.10890	.00870	-.00860	-.01940	.01970
.251	8.227	.19520	.06000	.18890	.07770	.03630	-.14570	.01270	-.01150	-.04150	.03180
.251	10.229	.19920	.05780	.19300	.07590	.03270	-.18560	.01850	-.01620	-.00970	.00490
	GRADIENT	.00068	-.00029	.00070	-.00024	.00007	-.01701	.00131	-.00116	-.00164	-.00146

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0G8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 355/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.170	.17950	.06710	.17260	.08330	.04110	.09070	-.00270	.00370	.00300	-.00760
.252	-4.195	.17640	.06940	.16930	.08520	.04450	.05520	.00060	.00110	.00270	.01740
.251	-2.102	.17490	.07040	.16770	.08610	.04690	.02120	.00290	-.00160	-.00960	.01970
.251	-1.049	.17470	.07040	.16760	.08600	.04780	.00370	.00420	-.00260	-.03950	.03960
.251	-.204	.17650	.07020	.16940	.08600	.04670	-.01270	.00550	-.00350	-.00730	.00250
.251	.603	.17840	.06960	.17130	.08550	.04810	-.02710	.00650	-.00440	-.00220	.01730
.251	1.060	.17800	.06910	.17100	.08500	.04870	-.03290	.00720	-.00500	.03400	-.01900
.251	2.066	.18300	.06900	.17600	.08540	.04670	-.04890	.00840	-.00610	-.01210	.01230
.251	3.148	.18330	.06780	.17640	.08420	.04520	-.06750	.00990	-.00730	-.05890	.05920
.251	4.155	.18350	.06690	.17660	.08340	.04380	-.08580	.01150	-.00850	.00030	.01980
.251	6.223	.18970	.06400	.18310	.08110	.03960	-.12080	.01450	-.01160	-.01220	.03750
.251	8.217	.19590	.06060	.18950	.07830	.03500	-.15580	.01780	-.01480	-.01700	.02210
.251	10.187	.20120	.05730	.19510	.07560	.03150	-.19520	.02330	-.01900	-.01450	.02460
	GRADIENT	.00118	-.00035	.00121	-.00024	-.00010	-.01687	.00131	-.00113	-.00159	.00114

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0G9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 356/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-8.052	-.41290	.05480	-.40160	.11050	.05580	-.01770	.00660	-.00440	-.03890	.05390
.251	-5.575	-.30130	.06900	-.29340	.09710	.05340	-.01600	.00620	-.00420	-.00910	.04950
.252	-.103	-.06520	.08190	-.06510	.08200	.05050	-.01660	.00600	-.00390	-.01250	.02260
.252	2.702	.05770	.07860	.05400	.08120	.04850	-.01640	.00590	-.00410	-.00520	.01520
.251	5.641	.18680	.06890	.17930	.08660	.04710	-.01390	.00560	-.00380	-.01990	.02990
.252	7.150	.25660	.06070	.24730	.09160	.04610	-.01550	.00580	-.00370	-.01540	.01560
.252	8.881	.33520	.04910	.32400	.09920	.04500	-.01370	.00560	-.00360	-.02780	.01300
.252	11.108	.43800	.03380	.42380	.11570	.04540	-.01470	.00540	-.00360	-.02570	.02090
.251	13.298	.53880	.01740	.52110	.13810	.04780	-.01240	.00520	-.00340	-.01080	.00110
.251	16.562	.70820	-.00670	.68200	.19070	.04370	-.01370	.00530	-.00320	-.01830	.02340
.250	18.821	.83390	-.02140	.79820	.24230	.03770	-.01350	.00540	-.00310	-.00230	.00740
	GRADIENT	.04382	-.00118	.04246	-.00029	-.00071	.00007	-.00004	-.00007	.00260	-.00264

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0H0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 358/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-22.940	.16270	.07250	.15580	.08640	.04710	-.05470	.02300	-.01330	.01720	.01290
.252	-18.054	.16530	.07150	.15850	.08560	.04580	-.04390	.01850	-.01100	-.00990	.02000
.251	-15.111	.16410	.07140	.15720	.08540	.04550	-.03850	.01570	-.00950	-.01460	.01960
.252	-10.020	.16360	.07110	.15680	.08510	.04610	-.02680	.01080	-.00650	.00480	.02030
.251	-4.888	.16540	.07140	.15850	.08550	.04690	-.01540	.00560	-.00350	-.00990	.03990
.251	-2.487	.16350	.07180	.15670	.08570	.04710	-.00950	.00300	-.00190	-.01320	.01870
.251	.019	.16330	.07110	.15650	.08500	.04690	-.00390	.00000	-.00040	-.00300	.02310
.251	2.641	.16340	.07140	.15660	.08540	.04680	-.00370	-.00310	.00130	.00200	.00820
.251	5.140	.16450	.07210	.15770	.08610	.04660	.00890	-.00580	.00270	-.00290	-.00150
.251	10.001	.16500	.07150	.15820	.08560	.04610	.02070	-.01110	.00580	-.03060	.02570
	GRADIENT	-.00024	-.00003	-.00023	-.00004	-.00002	.00251	-.00116	.00065	.00184	-.00360

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0H1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 4.500
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 4.500

RUN NO. 366/ 0 RN/L = 4.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-7.433	-.27360	.03400	-.26710	.06840	-.01840	-.00100	-.00070	-.00060	4.51150	.01380
.254	-5.311	-.18080	.04380	-.17610	.06010	-.02030	-.00150	-.00050	-.00050	4 50620	.00140
.254	-2.104	-.04720	.05240	-.04530	.05400	-.02090	-.00120	-.00050	-.00050	4.48520	.01580
.254	.069	.04630	.05390	.04620	.05390	-.02170	-.00100	-.00070	-.00050	4.49400	.00700
.255	2.263	.14120	.05110	.13910	.05650	-.02250	-.00100	-.00050	-.00050	4.49490	.00860
.254	4.472	.23640	.04460	.23240	.06230	-.02310	-.00130	-.00040	-.00040	4.49070	.01450
.253	6.482	.32530	.03510	.31950	.07060	-.02410	-.00060	-.00040	-.00070	4.49690	.01660
.253	8.881	.43370	.02090	.42570	.08580	-.02550	-.00140	-.00010	-.00060	4.46440	.03900
.253	11.019	.53120	.00570	.52090	.10440	-.02550	-.00060	-.00020	-.00050	4.46410	.03510
.251	13.204	.63590	-.01000	.62220	.13160	-.02510	-.00120	-.00010	-.00050	4.48200	.01970
.252	14.282	.68830	-.01880	.67270	.14700	-.02540	-.00020	-.00010	-.00060	4.46070	.04030
	GRADIENT	.04314	-.00120	.04224	.00126	-.00034	-.00001	.00002	.00001	.00079	-.00010

RUN NO. 361/ 0 RN/L = 4.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.399	-7.431	-.29620	.03460	-.28940	.07180	-.01530	.00000	-.00050	-.00080	4.50490	.00860
.399	-5.362	-.20230	.04530	-.19740	.06360	-.01680	-.00090	-.00040	-.00070	4.49910	.01020
.399	-2.118	-.05900	.05500	-.05700	.05710	-.01880	-.00180	-.00010	-.00070	4.50710	.00060
.399	.063	.03820	.05620	.03810	.05630	-.01910	-.00030	-.00040	-.00060	4.51170	.00010
.399	2.257	.13580	.05340	.13370	.05850	-.02030	-.00140	-.00020	-.00060	4.48590	.01750
.400	4.538	.23880	.04590	.23450	.06410	-.02160	-.00160	-.00010	-.00040	4.46950	.02810
.401	6.612	.33790	.03540	.33190	.07290	-.02320	-.00050	.00000	-.00080	4.48870	.02480
.401	8.990	.44930	.02110	.44090	.08910	-.02490	-.00140	.00020	-.00080	4.47910	.02440
.401	11.165	.55660	.00550	.54560	.11010	-.02500	-.00270	.00030	-.00080	4.48570	.02190
.402	13.400	.66640	-.01120	.65180	.13920	-.02460	-.00180	.00020	-.00070	4.47910	.02440
.400	14.520	.72510	-.02010	.70810	.15720	-.02580	-.00190	.00020	-.00060	4.48500	.01850
.399	15.582	.78410	-.02810	.76420	.17760	-.02790	-.00110	-.00010	-.00060	4.47730	.02610
.398	16.681	.84640	-.03540	.82270	.20220	-.03090	-.00070	-.00020	-.00060	4.48140	.02210
.397	17.771	.91380	-.04130	.88490	.23160	-.03580	.00010	-.00050	-.00110	4.48630	.01720
.394	18.901	.98090	-.04470	.94510	.26640	-.03930	-.00030	-.00060	-.00080	4.46980	.03360
	GRADIENT	.04472	-.00137	.04377	.00105	-.00043	-.00002	.00001	.00004	-.00627	.00451

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0H2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	4.500		

RUN NO. 365/ 0 RN/L = 4.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-7.446	-.35540	.02930	-.34890	.07390	.02180	-.00200	-.00040	-.00030	-.03910	.03910
.254	-5.382	-.26330	.03990	-.25860	.06370	.01960	-.00080	-.00050	-.00030	-.01690	.03190
.254	-2.229	-.12730	.04960	-.12540	.05440	.01730	-.00080	-.00050	-.00040	-.00710	.01240
.254	-.076	-.03540	.05130	-.03540	.05130	.01690	-.00080	-.00050	-.00040	-.00240	.00240
.254	2.152	.06080	.04930	.05890	.05150	.01640	-.00150	-.00040	-.00030	-.00020	.00020
.254	4.372	.15890	.04350	.15520	.05530	.01410	-.00180	-.00020	-.00030	-.00490	.00000
.254	6.381	.24800	.03470	.24280	.06150	.01340	.00040	-.00030	-.00050	-.02690	.01220
.254	8.722	.35240	.02120	.34530	.07320	.01160	-.00070	-.00040	-.00040	-.05620	.05620
.254	10.937	.45330	.00550	.44450	.08940	.01150	-.00130	-.00020	-.00050	-.00500	-.01030
.254	13.105	.55270	-.01010	.54120	.11250	.01400	-.00070	-.00020	-.00040	-.00760	-.01290
.252	14.159	.60520	-.01890	.59230	.12620	.01450	-.00180	-.00010	-.00050	-.04160	.03160
.252	15.192	.65710	-.02670	.64210	.14230	.01380	-.00100	-.00030	-.00050	.01110	-.03660
.252	16.263	.71170	-.03440	.69400	.16140	.01160	-.00030	-.00040	-.00040	-.04270	.02250
.252	17.359	.77500	-.04290	.75400	.18460	.00850	-.00020	-.00060	-.00040	-.01500	-.00030
.251	18.474	.83920	-.05090	.81380	.21100	.00470	-.00040	-.00050	-.00070	-.03480	-.00550
	GRADIENT	.04334	-.00093	.04249	.00014	-.00046	-.00017	.00005	.00002	.00039	-.00178

RUN NO. 362/ 0 RN/L = 4.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.402	-7.599	-.38640	.02990	-.37930	.07930	.02680	-.00130	-.00020	-.00060	.02340	-.00840
.403	-5.526	-.28990	.04110	-.28480	.06800	.02490	-.00110	-.00020	-.00050	.02080	-.00580
.402	-2.257	-.14500	.05210	-.14300	.05760	.02160	-.00200	-.00010	-.00060	.01280	.00220
.403	-.060	-.04660	.05350	-.04660	.05350	.02090	-.00270	-.00010	-.00040	-.00230	.01230
.403	2.182	.05400	.05090	.05210	.05290	.01980	-.00170	-.00020	-.00040	-.01000	.02000
.404	4.410	.15650	.04470	.15270	.05640	.01790	-.00230	.00000	-.00050	.01830	-.00830
.403	6.499	.25440	.03460	.24900	.06260	.01630	-.00150	.00010	-.00060	-.00470	.01970
.402	8.855	.36540	.02100	.35810	.07570	.01420	-.00210	.00020	-.00070	.04200	-.02700
.401	11.067	.47130	.00520	.46200	.09340	.01430	-.00270	.00030	-.00060	-.01200	.02700
.400	13.312	.57990	-.01130	.56760	.11920	.01650	-.00270	.00030	-.00060	.01300	-.00300
.400	14.383	.63240	-.02010	.61850	.13370	.01600	-.00250	.00020	-.00050	.00510	.00990
.398	15.454	.69180	-.02870	.67550	.15200	.01470	-.00160	-.00010	-.00030	.02100	-.01090
.396	16.577	.75650	-.03680	.73690	.17500	.01120	-.00170	-.00010	-.00030	-.00970	.01970
.396	17.681	.82310	-.04370	.79920	.20180	.00570	-.00070	-.00040	-.00040	.01810	-.01800
.394	18.830	.88970	-.04830	.85980	.23400	.00240	-.00020	-.00080	-.00120	.00010	.00490
	GRADIENT	.04518	-.00112	.04432	-.00019	-.00055	.00000	.00001	.00001	.00041	-.00108

ARC 218-1-12 (OV102), NO SILTS POD (R2Q0H3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -5.000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 4.500

RUN NO. 364/ 0 RN/L = 4.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-7.524	-.45280	.02780	-.44570	.08480	.06770	-.00260	-.00030	-.00030	-4.96840	.05810
.252	-5.557	-.36430	.03860	-.35910	.07240	.06570	-.00320	.00000	-.00030	-4.97020	.05120
.253	-2.350	-.22580	.04980	-.22370	.05850	.06270	-.00320	-.00020	-.00020	-5.00020	.07170
.253	-.181	-.13060	.05200	-.13050	.05230	.06050	-.00380	-.00010	-.00010	-4.98570	.09510
.254	2.034	-.03290	.05100	-.03470	.04980	.05960	-.00300	-.00040	-.00010	-4.98550	.05100
.254	4.246	.06420	.04580	.06060	.05040	.05820	-.00210	-.00030	-.00010	-4.96250	.03300
.253	6.342	.15750	.03720	.15260	.05410	.05690	-.00260	.00000	-.00040	-4.98030	.07070
.252	8.621	.25920	.02480	.25270	.06270	.05520	-.00150	-.00020	-.00030	-5.01340	.08960
.252	10.796	.35730	.01000	.34940	.07550	.05450	-.00240	.00010	-.00060	-5.00620	.08170
.252	12.971	.45490	-.00480	.44480	.09540	.05660	-.00230	.00000	-.00050	-4.96540	.04090
.252	14.032	.50630	-.01290	.49480	.10770	.05650	-.00180	-.00010	-.00040	-5.00070	.06620
.251	15.058	.56170	-.02120	.54860	.12240	.05610	-.00190	-.00020	-.00040	-5.00910	.08880
.251	16.130	.61590	-.02900	.60060	.13960	.05370	-.00200	-.00010	-.00030	-5.00170	.05220
.251	17.224	.67740	-.03680	.65900	.16100	.05030	-.00220	-.00020	-.00030	-4.99110	.04690
.251	18.348	.74230	-.04550	.72020	.18520	.04660	-.00130	-.00030	-.00050	-5.02850	.07450
	GRADIENT	.04398	-.00059	.04312	-.00121	-.00065	.00019	-.00003	.00001	.00515	-.00731

RUN NO. 363/ 0 RN/L = 4.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.399	-7.716	-.48620	.02890	-.47830	.09160	.07500	-.00050	-.00040	-.00050	-4.97500	.06540
.399	-5.648	-.39200	.04010	-.38650	.07700	.07250	-.00160	-.00020	-.00050	-4.95980	.04530
.401	-2.414	-.24400	.05250	-.24170	.06210	.06760	-.00160	-.00030	-.00050	-4.93190	.01260
.400	-.217	-.14520	.05470	-.14500	.05500	.06650	-.00190	-.00030	-.00040	-4.95210	.03280
.400	2.005	-.04530	.05330	-.04720	.05160	.06530	-.00210	-.00020	-.00040	-4.96690	.04290
.400	4.249	.05540	.04810	.05170	.05200	.06420	-.00270	.00000	-.00030	-4.96210	.03790
.399	6.428	.15910	.03780	.15400	.05520	.06200	-.00230	.00010	-.00040	-4.98940	.07020
.400	8.698	.26490	.02510	.25820	.06420	.06010	-.00230	.00020	-.00060	-4.98960	.05560
.400	10.950	.37320	.01000	.36480	.07930	.05900	-.00270	.00030	-.00040	-4.96660	.04260
.399	13.156	.47780	-.00590	.46710	.10080	.06120	-.00320	.00030	-.00060	-4.98940	.06010
.398	14.246	.53280	-.01430	.52060	.11440	.06070	-.00310	.00020	-.00050	-4.97420	.04500
.397	15.281	.59170	-.02240	.57750	.13090	.05880	-.00230	.00000	-.00060	-5.01490	.07590
.396	16.378	.65530	-.03120	.63860	.15070	.05610	-.00230	.00000	-.00050	-4.94940	.02010
.395	17.479	.72210	-.03850	.70160	.17510	.05010	-.00130	-.00010	-.00030	-4.98460	.06060
.392	18.660	.79260	-.04520	.76700	.20480	.04640	-.00090	-.00050	-.00030	-4.96150	.03250
	GRADIENT	.04494	-.00066	.04403	-.00151	-.00051	-.00016	.00005	.00003	-.00473	.00386

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (R2Q0H4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 374/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-4.419	-.23560	.04920	-.23130	.06660	.02930	-.00320	.00010	-.00090	.00330	-.03820
.251	-2.347	-.14290	.05570	-.14060	.06130	.02810	-.00290	.00000	-.00100	.00860	-.03870
.251	-.228	-.05070	.05860	-.05050	.05880	.02710	-.00200	-.00010	-.00080	.01660	-.03640
.251	2.045	.04850	.05700	.04650	.05860	.02610	-.00290	.00000	-.00100	.02160	-.03140
.250	4.209	.14530	.05060	.14130	.06090	.02480	-.00280	.00010	-.00090	.01910	-.03390
.250	6.501	.24510	.04060	.23910	.06750	.02300	-.00250	.00000	-.00060	.01910	-.03390
.251	8.558	.34130	.02760	.33360	.07690	.02130	-.00180	-.00010	-.00070	.02670	-.03160
.250	10.553	.44350	.01230	.43410	.09140	.02150	-.00320	.00010	-.00070	.02160	-.03140
.249	12.723	.53800	-.00270	.52600	.11310	.02440	-.00470	.00030	-.00080	.02410	-.02900
.250	15.045	.65370	-.01980	.63740	.14650	.02480	-.00350	.00030	-.00070	.01910	-.03390
.249	17.181	.77150	-.03470	.74880	.18910	.01960	-.00470	.00070	-.00070	.02400	-.02910
.250	19.408	.90070	-.04800	.86770	.24640	.01020	-.00650	.00110	-.00180	.02120	-.02610
.249	21.632	1.05100	-.05300	.99990	.32810	-.00610	-.00660	.00100	-.00220	.02160	-.03140
	GRADIENT	.04403	.00017	.04306	-.00064	-.00051	.00004	.00000	-.00000	.00205	.00074

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (R2Q0H5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 375/ 0 RN/L = 5.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.249	-4.365	-.22740	.05320	-.22290	.06980	.02680	-.00090	-.00020	-.00100	.03100	-.03590
.248	-2.198	-.13430	.05980	-.13200	.06470	.02610	-.00220	-.00010	-.00090	.03340	-.03340
.249	-.204	-.04560	.06260	-.04540	.06270	.02560	-.00210	-.00010	-.00090	.03080	-.03080
.249	2.035	.05290	.06070	.05070	.06250	.02450	-.00200	-.00010	-.00100	.02120	-.03610
.250	4.193	.14630	.05500	.14190	.06530	.02330	-.00270	-.00010	-.00090	.02580	-.03580
.250	6.460	.24410	.04500	.23770	.07160	.02140	-.00180	-.00020	-.00080	.01840	-.03350
.250	8.510	.33950	.03320	.33120	.08200	.02040	-.00140	-.00010	-.00080	.01840	-.03350
.250	10.487	.43930	.01890	.42890	.09670	.02010	-.00150	-.00020	-.00080	.01820	-.03800
.249	12.631	.53260	.00370	.51950	.11730	.02310	-.00380	.00030	-.00080	.02620	-.03110
.248	14.890	.63970	-.01360	.62270	.14730	.02370	-.00380	.00030	-.00070	.02150	-.03150
.248	16.988	.75300	-.02930	.73010	.18660	.01930	-.00330	.00020	-.00080	.01850	-.03880
.250	19.230	.87970	-.04480	.84750	.24020	.01260	-.00230	.00000	-.00060	.01490	-.05510
.249	21.434	1.02000	-.05620	.97310	.31090	-.00060	-.00430	.00020	.00010	.01100	-.03630
	GRADIENT	.04378	.00020	.04273	-.00052	-.00040	-.00016	.00001	.00000	-.00106	-.00013

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (R2Q0H6) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	3.000		

RUN NO. 376/ 0 RN/L = 3.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.248	-4.362	-.23030	.05690	-.22550	.07380	.02640	.00090	-.00060	-.00090	.01150	-.04150
.248	-2.330	-.13800	.06330	-.13540	.06870	.02540	.00120	-.00060	-.00090	.01640	-.03660
.250	-.223	-.04770	.06560	-.04750	.06570	.02410	.00010	-.00050	-.00090	.00850	-.04880
.250	2.024	.04900	.06370	.04680	.06540	.02400	-.00060	-.00050	-.00090	.00130	-.05170
.250	4.169	.14370	.05850	.13920	.06860	.02340	-.00120	-.00030	-.00080	.02160	-.03140
.250	6.029	.22910	.05140	.22260	.07470	.01980	-.00070	-.00050	-.00090	.01580	-.02580
.249	8.445	.33950	.03780	.33060	.08620	.01830	.00120	-.00080	-.00070	.01040	-.02540
.249	10.425	.43760	.02540	.42630	.10230	.01730	.00060	-.00060	-.00070	.01870	-.02860
.249	12.575	.53260	.01030	.51820	.12330	.02010	.00000	-.00050	-.00060	.01580	-.02580
.249	14.792	.63840	-.00670	.61990	.15260	.02070	.00090	-.00050	-.00050	.02120	-.02610
.249	16.889	.74490	-.02290	.72080	.18930	.01780	.00090	-.00080	-.00030	.01290	-.02290
.248	19.088	.86820	-.03940	.83540	.23960	.01030	.00090	-.00080	-.00080	.00580	-.04100
.249	21.245	.98570	-.05220	.94050	.29960	.00450	.00110	-.00100	-.00070	.02040	-.01540
	GRADIENT	.04365	.00015	.04256	-.00063	-.00034	-.00028	.00003	.00001	.00024	.00025

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (R2Q0H7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 8.000

RUN NO. 377/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-4.242	-.22860	.04640	-.22470	.06270	.02930	-.03870	.00310	-.00140	.02820	-.02800
.251	-2.235	-.13740	.05210	-.13530	.05730	.02800	-.03850	.00300	-.00190	.02070	-.03550
.251	-.052	-.04320	.05390	-.04320	.05390	.02650	-.03870	.00300	-.00250	.02350	-.02840
.251	2.140	.05250	.05210	.05060	.05400	.02570	-.03990	.00310	-.00320	.03100	-.01570
.251	4.309	.14660	.04630	.14280	.05700	.02460	-.03970	.00310	-.00350	.02090	-.02580
.251	6.622	.24830	.03560	.24270	.06340	.02260	-.03900	.00310	-.00400	.02840	-.01830
.250	8.689	.34680	.02290	.33960	.07380	.02090	-.03840	.00300	-.00460	.02110	-.03090
.250	10.701	.44340	.00810	.43460	.08840	.02210	-.03910	.00310	-.00590	.02350	-.02320
.249	12.867	.54210	-.00710	.53060	.11100	.02360	-.03990	.00330	-.00650	.01840	-.02830
.249	15.126	.65330	-.02480	.63810	.14240	.02360	-.04150	.00340	-.00640	.02060	-.03030
.248	17.333	.77110	-.03980	.74940	.18610	.01900	-.04150	.00320	-.00670	.01810	-.03280
.247	19.504	.90570	-.05270	.87360	.24510	.00850	-.04070	.00210	-.00650	.02050	-.03040
.247	21.769	1.05860	-.05680	1.00760	.32960	-.00620	-.03700	.00020	-.00750	.02820	-.02800
	GRADIENT	.04377	-.00002	.04287	-.00067	-.00054	-.00016	.00000	-.00026	-.00019	.00114

ARC 218-1-12 0A101 (OV102) G.P. STING,W.S. TUFTS (R2Q0H8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 378/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.249	-4.169	-.22160	.04650	-.21780	.06200	.02690	-.03710	.00290	-.00130	.03520	-.02520
.249	-2.206	-.13110	.05310	-.12900	.05800	.02580	-.03710	.00270	-.00190	.02860	-.02860
.249	-.026	-.03790	.05490	-.03790	.05490	.02480	-.03800	.00280	-.00250	.02310	-.03310
.248	2.133	.05590	.05280	.05400	.05490	.02380	-.03780	.00260	-.00290	.03880	-.01850
.248	4.289	.15040	.04670	.14650	.05760	.02230	-.03910	.00280	-.00360	.03330	-.02290
.248	6.545	.24710	.03640	.24140	.06370	.02030	-.03870	.00280	-.00390	.02850	-.02350
.248	8.596	.34430	.02450	.33710	.07450	.01900	-.03820	.00300	-.00420	.02580	-.02080
.248	10.642	.44180	.01000	.43270	.08950	.01920	-.03780	.00280	-.00590	.02360	-.03360
.247	12.787	.53580	-.00570	.52440	.11020	.02210	-.03820	.00280	-.00630	.02140	-.02630
.247	14.959	.64220	-.02170	.62690	.14090	.02140	-.03890	.00290	-.00620	.02330	-.02330
.246	17.092	.75120	-.03770	.73040	.17940	.01860	-.04050	.00280	-.00640	.02080	-.02590
.245	19.272	.87530	-.05280	.84570	.23180	.01120	-.03870	.00190	-.00670	.01870	-.02380
.245	21.338	1.00080	-.06540	.95890	.29410	.00100	-.03940	.00130	-.00650	.02370	-.01870
	GRADIENT	.04379	-.00001	.04288	-.00055	-.00053	-.00022	-.00001	-.00026	.00032	.00071

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (R20DH9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 379/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.250	-4.132	-.21540	.04750	-.21150	.06250	.02380	-.03590	.00260	-.00140	.03300	-.03280
.250	-2.150	-.12590	.05280	-.12390	.05730	.02300	-.03690	.00270	-.00170	.02110	-.02620
.250	-.021	-.03500	.05410	-.03500	.05410	.02290	-.03800	.00280	-.00240	.01060	-.02570
.250	2.142	.05810	.05230	.05610	.05440	.02260	-.03850	.00280	-.00290	.01310	-.02840
.249	4.272	.15170	.04670	.14780	.05770	.02120	-.03950	.00280	-.00340	.01310	-.02840
.249	6.503	.24950	.03610	.24400	.06360	.01820	-.03940	.00290	-.00380	.02100	-.03630
.249	8.555	.34500	.02420	.33790	.07420	.01670	-.03900	.00300	-.00450	.02780	-.03800
.249	10.572	.44460	.01100	.43550	.09050	.01640	-.03860	.00300	-.00560	.02350	-.03370
.249	12.718	.53680	-.00460	.52530	.11090	.01810	-.03990	.00320	-.00630	.02050	-.03580
.248	14.877	.64160	-.02170	.62650	.13980	.01820	-.03840	.00290	-.00320	.02260	-.03790
.249	17.007	.75130	-.03720	.73070	.17880	.01500	-.03810	.00260	-.00620	.01990	-.03520
.248	19.170	.86900	-.05390	.84050	.22730	.00950	-.03940	.00210	-.00680	.02470	-.04000
.248	21.146	.97200	-.06700	.93340	.27940	.00690	-.03600	.00090	-.00790	.02210	-.03740
	GRADIENT	.04351	-.00011	.04258	-.00058	-.00027	-.00042	.00002	-.00025	-.00224	.00030

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (R20010) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 332/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-8.047	-.38030	.05200	-.36960	.10330	.01800	-.00110	-.00080	-.00090	.01400	.03930
.252	-5.534	-.27030	.06380	-.26310	.08890	.01560	-.00230	-.00090	-.00070	-.00430	.02500
.252	-.096	-.03870	.07190	-.03860	.07200	.01380	-.00320	-.00080	-.00030	-.00240	.00240
.251	2.738	.08400	.06770	.08070	.07160	.01280	-.00310	-.00090	-.00050	-.00900	.03000
.252	5.631	.21080	.05610	.20450	.07610	.01340	-.00040	-.00060	-.00080	-.01190	.01740
.253	7.207	.28280	.04640	.27500	.08080	.01320	.00070	-.00060	-.00080	-.02800	-.00270
.252	8.929	.36000	.03600	.35040	.09020	.01280	-.00180	-.00050	-.00080	-.03640	-.00450
.252	11.133	.46040	.02150	.44810	.10800	.01480	-.00180	-.00050	-.00070	-.04240	.00160
.252	13.338	.56340	.00630	.54750	.13310	.01760	-.00060	-.00030	-.00070	-.02760	.01230
.251	16.616	.72860	-.01660	.70430	.18750	.01550	-.00020	-.00090	-.00030	-.02990	.00430
.250	18.833	.84330	-.03240	.81050	.23490	.01450	-.00120	-.00040	-.00010	-.03220	.01180
	GRADIENT	.04330	-.00148	.04210	-.00014	-.00035	.00004	-.00004	.00007	-.00233	.00974

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (R20011) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 8.000

RUN NO. 335/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-7.821	-.36350	.05150	-.35350	.09930	.01500	-.04280	.00100	-.00080	-.01240	.02240
.254	-5.575	-.26320	.06270	-.25600	.08730	.01310	-.04530	.00130	-.00120	-.01950	.01470
.254	-.053	-.02790	.07090	-.02780	.07090	.01080	-.04610	.00120	-.00230	-.01470	.00490
.253	2.742	.09640	.06630	.09320	.07070	.01010	-.04690	.00140	-.00250	.00510	.00990
.253	5.561	.22240	.05510	.21620	.07590	.01090	-.04210	.00090	-.00310	-.02950	.00960
.254	7.227	.29730	.04600	.28940	.08220	.01020	-.03730	.00060	-.00370	-.00240	.00250
.254	8.926	.37490	.03550	.36520	.09190	.00950	-.03850	.00080	-.00410	-.01690	.01730
.254	11.194	.47560	.02070	.46310	.11050	.01070	-.03850	.00070	-.00550	.01030	-.00030
.253	13.413	.58220	.00490	.56590	.13660	.01310	-.03900	.00120	-.00530	-.00760	.01280
.252	16.690	.74820	-.01860	.72350	.19180	.01100	-.04130	.00230	-.00630	-.01240	.02270
.251	18.708	.85950	-.03070	.82590	.23970	.00680	-.04110	.00220	-.00690	-.01990	.01520
	GRADIENT	.04449	-.00165	.04330	-.00007	-.00025	-.00029	.00007	-.00007	.00709	.00179

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (R20012) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 336/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-6.175	.21940	.05350	.21360	.07350	.00280	.12000	-.00690	.00750	-.00210	.02720
.253	-4.181	.21710	.05540	.21100	.07510	.00630	.08010	-.00510	.00500	.00280	.01740
.254	-2.120	.21320	.05670	.20710	.07600	.00910	.04000	-.00290	.00200	-.01440	.02470
.253	-1.042	.21410	.05680	.20800	.07620	.01030	.01880	-.00200	.00060	-.00050	.00570
.253	-.205	.21030	.05790	.20420	.07690	.01040	.00070	-.00090	-.00030	-.00560	.01080
.253	.591	.21460	.05640	.20850	.07580	.01160	-.01280	-.00050	-.00110	-.02020	.03030
.253	1.060	.21520	.05560	.20920	.07510	.01130	-.02170	-.00010	-.00170	-.02200	.01710
.253	2.111	.21830	.05590	.21230	.07560	.01100	-.04270	.00100	-.00300	.00520	.01010
.253	3.180	.22090	.05490	.21500	.07490	.00960	-.06350	.00220	-.00440	-.02210	.02760
.253	6.251	.22350	.05240	.21770	.07270	.00450	-.12300	.00540	-.00840	-.00510	.01530
.253	8.264	.23130	.04810	.22580	.06920	-.00010	-.16110	.00720	-.01100	-.01140	.01160
.253	10.266	.23650	.04710	.23110	.06880	-.00210	-.20080	.00920	-.01310	-.01860	.03860
	GRADIENT	.00059	-.00010	.00061	-.00006	.00051	-.01949	.00097	-.00125	-.00204	.00058

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (R2Q013) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 337/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.252	-6.109	.31040	.05430	.30400	.08320	-.03800	.12020	-.00720	.00770	5.01520	.02580
.252	-4.181	.30790	.05620	.30130	.08470	-.03470	.08150	-.00540	.00500	5.01700	.03250
.251	-2.105	.30450	.05800	.29780	.08600	-.03200	.04060	-.00310	.00180	5.00460	.04930
.253	-1.040	.30320	.05800	.29660	.08590	-.03130	.01890	-.00190	.00050	5.00220	.05180
.252	-.222	.30250	.05880	.29570	.08660	-.03110	.00170	-.00090	-.00040	4.98820	.05230
.252	.609	.30500	.05740	.29840	.08540	-.02970	-.01350	-.00080	-.00130	5.03510	.03090
.252	1.064	.30490	.05710	.29830	.08520	-.02980	-.02160	-.00010	-.00180	5.02200	.03750
.253	2.123	.30600	.05680	.29940	.08500	-.03030	-.04370	.00100	-.00300	5.01210	.03740
.252	3.161	.31150	.05650	.30490	.08530	-.03170	-.06500	.00240	-.00450	4.99460	.03940
.253	4.153	.31190	.05580	.30530	.08470	-.03330	-.08350	.00350	-.00610	4.99580	.03070
.252	6.251	.31910	.05350	.31270	.08310	-.03620	-.12490	.00590	-.00900	5.01520	.02080
.252	8.264	.31990	.04960	.31390	.07940	-.04030	-.16400	.00810	-.01180	4.98710	.03190
.252	10.280	.32400	.04810	.31810	.07840	-.04200	-.20330	.00970	-.01430	4.99020	.06430
	GRADIENT	.00069	-.00014	.00069	-.00006	.00021	-.01984	.00104	-.00127	-.00133	-.00106

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (R2Q014) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 8.001

RUN NO. 333/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.252	-35.127	-.19090	.13400	-.20100	.11840	.16600	-.00360	-.00120	-.00010	-.03310
.252	-29.981	-.18920	.12640	-.19870	.11090	.16910	-.00360	-.00100	.00040	.08590
.253	-25.059	-.21840	.11310	-.22670	.09550	.18340	-.00360	-.00120	-.00120	-.00440
.253	-20.101	-.16780	.09470	-.17480	.08100	.16540	-.00380	-.00110	-.00010	-.02680
.253	-15.026	-.09000	.07970	-.09620	.07210	.13350	-.00300	-.00100	-.00030	.01050
.253	-9.992	-.00220	.06830	-.00780	.06790	.09610	-.00290	-.00090	-.00040	.00170
.253	-4.971	.09290	.06190	.08730	.06950	.05530	-.00260	-.00090	-.00050	.06600
.253	-.025	.18860	.05870	.18280	.07470	.01180	-.00240	-.00090	-.00050	.01490
.253	5.011	.27680	.05970	.27050	.08360	-.02890	-.00260	-.00080	-.00040	.04080
.253	9.994	.36790	.06570	.36070	.09800	-.07200	-.00220	-.00080	-.00060	-.01170
.253	14.991	.45910	.07610	.45040	.11710	-.11560	-.00210	-.00080	-.00110	-.02250
.252	20.163	.54500	.09190	.53420	.14150	-.15650	-.00310	-.00080	-.00060	.18150
	GRADIENT	.01935	-.00065	.01931	.00105	-.00880	.00004	-.00000	.00000	-.01033

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (R2Q015) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 334/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-11.738	.17110	.06340	.16500	.07780	.02350	-.00310	-.00100	-.00060	.00480	-.00470
.253	-7.931	.17710	.06200	.17110	.07690	.01990	-.00360	-.00080	-.00050	-.00270	.00770
.253	-5.893	.17990	.06120	.17400	.07630	.01740	-.00420	-.00080	-.00060	-.00270	.00770
.253	-2.934	.18480	.05930	.17910	.07490	.01420	-.00380	-.00090	-.00060	.01750	.00260
.253	-.030	.19130	.05850	.18560	.07470	.01090	-.00340	-.00080	-.00050	-.00750	.02250
.253	3.013	.19770	.05800	.19200	.07470	.00660	-.00260	-.00090	-.00040	.00440	.00570
.253	5.970	.20340	.05790	.19760	.07520	.00220	-.00320	-.00080	-.00070	-.00750	.01760
.253	7.970	.20820	.05770	.20250	.07530	-.00070	-.00350	-.00100	-.00060	-.01940	.01970
.253	12.150	.21870	.05850	.21290	.07710	-.00730	.00440	-.00080	-.00050	-.00510	.01020
.253	16.370	.23120	.06100	.22500	.08060	-.01470	-.00270	-.00080	-.00050	-.01210	.01720
.253	22.500	.24960	.06530	.24300	.08660	-.02560	-.00350	-.00070	-.00040	.00980	.00030
	GRADIENT	.00217	-.00022	.00217	-.00003	-.00128	.00020	-.00000	.00003	-.00215	.00047

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (R2Q016) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 338/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-7.894	-.37360	.05310	-.36310	.10260	.01800	-.00300	-.00060	-.00080	-.00580	.04080
.253	-5.452	-.26550	.06500	-.25840	.08920	.01590	-.00310	-.00090	-.00070	.01670	.02330
.253	-.101	-.03630	.07270	-.03620	.07280	.01370	-.00580	-.00050	-.00090	-.01550	.05550
.254	2.696	.08460	.06780	.08140	.07170	.01270	-.00400	-.00090	-.00060	-.01600	.04600
.253	5.608	.21780	.05630	.21140	.07690	.01430	-.00130	-.00040	-.00080	-.01360	.04360
.253	7.115	.28670	.04730	.27880	.08160	.01390	-.00170	-.00020	-.00070	-.01570	.03090
.253	8.793	.36090	.03730	.35130	.09080	.01370	-.00180	-.00040	-.00070	-.02130	.05140
.253	10.989	.46000	.02270	.44770	.10790	.01490	-.00270	-.00020	-.00070	-.02320	.02340
.253	13.169	.55720	.00740	.54160	.13120	.01770	-.00340	-.00010	-.00060	-.05040	.05080
.251	16.313	.71960	-.01690	.69660	.18100	.01650	-.00200	-.00040	-.00040	-.01610	.04110
.251	18.553	.83000	-.03420	.79960	.22520	.01450	-.00050	-.00070	-.00030	-.04230	.04250
	GRADIENT	.04323	-.00175	.04205	-.00039	-.00036	.00064	-.00014	.00011	-.00018	-.00340

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (R2Q017) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 341/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-7.746	-.36470	.05250	-.35470	.09990	.01740	-.04540	.00150	-.00090	.02330	-.00330
.251	-5.471	-.26450	.06340	-.25750	.08770	.01560	-.04870	.00160	-.00120	-.01710	.04220
.251	-.050	-.03270	.07110	-.03260	.07110	.01380	-.04980	.00160	-.00240	.01710	-.00210
.251	2.715	.08750	.06630	.08430	.07030	.01250	-.04780	.00160	-.00260	.00020	.01980
.251	5.490	.21150	.05570	.20530	.07530	.01390	-.04480	.00150	-.00300	-.00440	.02980
.251	7.166	.29260	.04640	.28470	.08180	.01380	-.03980	.00100	-.00380	-.00990	.01520
.251	8.799	.36170	.03630	.35220	.08990	.01240	-.03920	.00110	-.00390	-.01200	.01730
.251	11.017	.46250	.02140	.45040	.10740	.01380	-.03930	.00130	-.00510	-.00950	.02950
.247	13.238	.58350	.00580	.56740	.13600	.01710	-.04130	.00170	-.00520	.02580	-.00070
.250	16.380	.72170	-.01890	.69900	.18040	.01470	-.04270	.00290	-.00550	-.00960	.01970
.249	18.399	.82610	-.03170	.79570	.22430	.01020	-.04100	.00230	-.00680	-.00290	.00810
	GRADIENT	.04348	-.00174	.04228	-.00029	-.00047	.00072	.00000	-.00007	-.00611	.00792

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (R2Q018) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 342/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-5.308	-.25550	.05950	-.24910	.08230	.01350	-.11240	.00390	-.00220	.00500	.02510
.251	.010	-.02320	.06830	-.02320	.06830	.01010	-.11030	.00410	-.00450	.02250	.02320
.251	2.163	.07050	.06500	.06810	.06760	.00980	-.10700	.00410	-.00550	.00000	.03000
.251	5.500	.21960	.05390	.21360	.07430	.01060	-.10410	.00410	-.00700	.00750	.03250
.251	6.630	.26850	.04820	.26130	.07620	.01010	-.10350	.00410	-.00730	-.00240	.02270
.251	8.773	.36740	.03440	.35820	.08870	.00990	-.09990	.00410	-.00930	.00510	.03010
.251	11.015	.46630	.01910	.45450	.10570	.00890	-.09970	.00410	-.01180	.02200	.02810
.250	13.150	.56500	.00360	.55010	.12900	.00970	-.09920	.00390	-.01310	-.01970	.02980
.250	16.321	.72120	-.01940	.69880	.17910	.01070	-.09730	.00330	-.01380	-.00750	.00780
	GRADIENT	.04352	-.00153	.04241	-.00033	-.00014	.00153	.00000	-.00046	-.01045	.00316

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (R2Q019) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 343/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-6.219	.21200	.05460	.20610	.07390	.00690	.12090	-.00630	.00710	.02690	.01840
.251	-4.167	.20650	.05660	.20050	.07520	.00970	.07910	-.00450	.00430	.01480	.00530
.251	-2.071	.20380	.05710	.19780	.07530	.01160	.03910	-.00220	.00170	-.00240	.03740
.251	-1.044	.20100	.05740	.19500	.07540	.01230	.01820	-.00130	.00060	-.01420	.04020
.250	-.203	.20090	.05790	.19480	.07590	.01260	-.00090	-.00030	-.00060	.03300	.00220
.251	.618	.20340	.05670	.19750	.07490	.01420	-.01850	.00000	-.00090	.00260	.00750
.250	1.067	.20500	.05600	.19910	.07430	.01420	-.02430	.00030	-.00160	.01290	-.01250
.249	2.082	.20760	.05680	.20160	.07530	.01360	-.04460	.00130	-.00280	-.00740	.01770
.249	3.146	.20750	.05580	.20160	.07440	.01280	-.06470	.00240	-.00410	-.01040	.01040
.251	4.176	.20880	.05560	.20290	.07430	.01160	-.08570	.00340	-.00550	-.00970	.01480
.252	6.198	.21620	.05370	.21040	.07320	.00870	-.12420	.00530	-.00820	.00980	.00030
.252	8.208	.22070	.05060	.21520	.07060	.00540	-.16230	.00730	-.01080	.01730	.00780
.253	10.181	.22470	.04940	.21920	.06980	.00180	-.20210	.01040	-.01360	.02290	-.00790
	GRADIENT	.00054	-.00017	.00056	-.00013	.00029	-.01981	.00091	-.00114	-.00238	-.00126

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (R2Q0J0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 344/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.253	-6.148	.29820	.05620	.29170	.08360	-.03280	.12010	-.00650	.00760	5.00480	.04470
.252	-4.184	.29800	.05790	.29140	.08520	-.03040	.08100	-.00470	.00490	5.03960	.04040
.252	-2.067	.29250	.05850	.28590	.08510	-.02880	.03910	-.00220	.00190	5.04140	.04710
.252	-1.042	.28770	.05880	.28110	.08490	-.02820	.01780	-.00120	.00050	5.03930	.08410
.252	-.222	.29180	.05920	.28520	.08560	-.02730	-.00140	-.00020	-.00080	5.02430	.04470
.252	.613	.29330	.05850	.28670	.08510	-.02600	-.01700	-.00030	-.00100	5.02240	.02810
.252	1.064	.29550	.05740	.28900	.08430	-.02610	-.02270	.00010	-.00170	5.02960	.03540
.252	2.089	.29400	.05720	.28750	.08400	-.02720	-.04450	.00120	-.00300	5.02280	.04320
.252	3.147	.29890	.05730	.29240	.08450	-.02780	-.06570	.00240	-.00450	4.99780	.06220
.252	4.155	.30070	.05690	.29420	.08430	-.02920	-.08530	.00350	-.00590	5.02940	.04010
.252	6.203	.30310	.05470	.29680	.08240	-.03180	-.12610	.00570	-.00870	5.01250	.05250
.252	8.213	.30630	.05230	.30020	.08040	-.03430	-.16470	.00800	-.01160	5.03540	.04600
.252	10.181	.30960	.05110	.30350	.07960	-.03690	-.20560	.01120	-.01460	5.04000	.04090
	GRADIENT	.00065	-.00019	.00066	-.00014	.00022	-.01994	.00093	-.00125	-.00343	-.00045

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (R2Q0J1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 340/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
.251	-25.071	-.20240	.11400	-.21100	.09720	.18020	-.00530	-.00070	.00010	.00270
.251	-20.094	-.16250	.09520	-.16970	.08160	.16460	-.00470	-.00080	-.00010	-.03890
.251	-15.046	-.08430	.08000	-.09070	.07270	.13260	-.00420	-.00070	-.00030	.04040
.252	-10.019	.00080	.06900	-.00490	.06880	.09590	-.00470	-.00060	-.00020	.01830
.251	-4.973	.09370	.06210	.08800	.06990	.05610	-.00500	-.00060	-.00030	.07820
.251	.003	.19090	.05970	.18500	.07590	.01240	-.00400	-.00060	-.00040	.01730
.252	5.034	.27530	.06090	.26890	.08470	-.02750	-.00480	-.00040	-.00040	.03960
.251	9.984	.36590	.06680	.35850	.09900	-.07030	-.00430	-.00020	-.00060	-.00570
.251	14.781	.44840	.07630	.43970	.11620	-.11010	-.00400	-.00030	-.00160	-.21370
.251	20.163	.52880	.09200	.51830	.13970	-.15110	-.00440	-.00030	-.00060	.16130
	GRADIENT	.01953	-.00048	.01949	.00121	-.00878	.00020	.00000	-.00002	-.01224

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (R20OJ2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 339/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
.251	-11.730	.16860	.06310	.16250	.07740	.02540	-.00580	-.00040	-.00060	.01480	.01520
.251	-8.008	.17700	.06160	.17100	.07670	.02120	-.00530	-.00040	-.00060	.00150	.02360
.252	-5.882	.17860	.06120	.17270	.07640	.01900	-.00590	-.00040	-.00070	-.01270	.04270
.252	-2.998	.18260	.05980	.17680	.07540	.01580	-.00600	-.00040	-.00060	.02260	.01240
.252	.119	.18750	.05940	.18170	.07530	.01220	-.00490	-.00050	-.00050	-.03240	.04740
.252	3.013	.19490	.05890	.18910	.07550	.00850	-.00470	-.00040	-.00050	.01010	.01490
.252	6.030	.20000	.05860	.19420	.07570	.00410	-.00520	-.00050	-.00040	-.03450	.04460
.252	7.951	.20570	.05850	.19980	.07610	.00070	-.00560	-.00040	-.00060	-.00540	.03540
.251	12.037	.21550	.05940	.20950	.07780	-.00530	-.00490	-.00050	-.00060	.00430	.02070
.252	16.424	.22840	.06170	.22220	.08130	-.01300	-.00560	-.00040	-.00040	-.02010	.04510
.251	22.500	.24500	.06600	.23830	.08710	-.02310	-.00510	-.00040	-.00030	.00520	.02480
	GRADIENT	.00204	-.00015	.00204	.00002	-.00121	.00022	-.00000	.00002	-.00228	.00055

ARC 218-1-12 OA101 (OV102) (A2Q001) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 172/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-7.765	.03490	.06290	.00280	.00380	.00290	.07800	.02980	-.02970
.251	-5.357	.03240	.06130	.00250	.00350	.00260	.08120	.01010	.01490
.252	-.068	.02740	.05760	.00170	.00300	.00260	.08520	.02790	-.02760
.251	2.087	.02570	.05600	.00160	.00310	.00590	.08550	-.00950	-.01570
.251	4.274	.02350	.05340	.00120	.00330	.00340	.08640	.01570	-.00070
.251	5.652	.02190	.05150	.00110	.00350	.00300	.08730	.02080	-.04040
.251	6.588	.02050	.05140	.00080	.00340	.00560	.08830	.01010	-.02980
.251	7.693	.01840	.04830	.00060	.00360	.00220	.08610	.00300	-.02320
.251	8.804	.01580	.04250	.00030	.00340	.00130	.08470	-.00390	-.05050
.250	9.855	.01300	.04150	.00000	.00250	-.00020	.08580	.02040	-.06030
.251	10.963	.01080	.03900	-.00010	.00230	-.00020	.08430	.01370	-.05900
.251	11.992	.00910	.03670	-.00010	.00200	-.00390	.08430	.01360	-.02890
.251	13.139	.00510	.03470	-.00010	.00130	-.00550	.08190	.01390	-.02860
.251	15.152	-.00340	.02920	-.00150	.00130	-.00940	.07940	.02430	-.03960
.249	17.287	-.01510	.01430	-.00630	.00010	-.01520	.08070	-.00320	-.04180
.251	18.433	-.01990	.00520	-.00890	-.00130	-.01700	.08090	.02130	-.02620
	GRADIENT	-.00090	-.00097	-.00012	.00007	.00018	.00028	-.00277	.00620

ARC 218-1-12 OA101 (OV102) (A2Q002) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25 000 RUDDER = .000
RN/L = 8.000

RUN NO. 184/ 0 RN/L = 7.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-8.036	.03590	.06380	.00280	.00370	.00780	.07990	.06390	-.05880
.251	-5.355	.03330	.06260	.00250	.00330	.00110	.08130	-.06280	.05280
.250	-.092	.02810	.05840	.00170	.00270	.00540	.08890	- 00290	-.03220
.250	2.130	.02630	.05710	.00150	.00290	.00600	.08760	.01950	-.04400
.250	2.865	.02540	.05570	.00130	.00300	.00390	.08730	.05160	-.06140
.251	3.958	.02460	.05430	.00120	.00310	.00470	.08920	.04650	-.04150
.250	4.416	.02420	.05440	.00110	.00320	.00560	.08820	-.03170	.02660
.250	5.087	.02340	.05360	.00110	.00330	.00400	.08820	-.08100	.05050
.250	5.689	.02260	.05280	.00100	.00320	.00560	.08790	.02950	-.04440
.251	6.583	.02100	.05160	.00080	.00320	.00380	.08830	-.05970	.01980
.250	7.737	.01910	.04940	.00060	.00350	.00350	.08910	.00930	-.06400
.251	8.916	.01630	.04310	.00020	.00320	.00080	.08780	-.06160	.00200
.251	10.007	.01330	.04250	-.00010	.00240	.00060	.08860	-.10580	.09050
.252	10.781	.01130	.04010	-.00030	.00220	.00110	.08690	-.00510	-.01490
.251	11.111	.01100	.03940	-.00020	.00220	-.00180	.08680	-.07100	.05100
.251	12.097	.00950	.03710	-.00020	.00180	-.00270	.08680	-.05170	.00670
.251	13.302	.00610	.03600	-.00030	.00130	-.00510	.08690	.04120	-.05650
.250	15.376	-.00280	.02840	-.00150	.00110	-.00980	.08430	.01670	-.03710
.250	17.601	-.01510	.01300	-.00670	-.00010	-.01390	.08430	.03350	-.06420
.250	18.700	-.02010	.00310	-.00940	-.00180	-.01890	.08230	-.01800	-.00740
	GRADIENT	-.00087	-.00097	-.00013	.00011	-.00009	-.00004	.00105	.00723

ARC 218-1-12 OA101 (OV102) (A2Q003) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 191/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.081	.03570	.06690	.00270	.00430	.00040	.10590	-.03890	.01370
.251	-4.127	.03550	.06610	.00260	.00390	.00120	.10030	.01140	-.05150
.252	-2.096	.03450	.06420	.00250	.00350	-.00250	.09290	.02560	-.03560
.251	-.014	.03380	.06250	.00250	.00320	.00180	.08430	-.02780	-.01280
.251	1.956	.03290	.06000	.00230	.00290	.00410	.07700	-.04050	.00060
.252	4.032	.03180	.05710	.00220	.00270	.00090	.06460	-.10490	.08470
.251	6.003	.03120	.05660	.00230	.00250	.00530	.06130	-.07090	.07620
.251	7.224	.03050	.05610	.00230	.00230	-.00010	.05700	-.04320	-.01710
	GRADIENT	-.00044	-.00109	-.00005	-.00015	.00029	-.00429	-.01468	.01517

ARC 218-1-12 OA101 (OV102) (A2Q004) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 192/ 0 RN/L = 7.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.198	.02860	.06370	.00180	.00400	-.00600	.11210	-.07860	.05840
.252	-4.151	.02860	.06200	.00180	.00370	-.00050	.10530	-.05710	.03740
.251	-2.041	.02890	.06070	.00170	.00320	.00250	.09670	-.06350	-.02150
.252	-1.063	.02860	.05930	.00170	.00290	.00290	.09160	-.03770	-.00730
.252	.010	.02870	.05840	.00170	.00270	.00360	.08610	-.07470	.02960
.252	.559	.02860	.05730	.00170	.00260	.00370	.08530	-.01410	-.04110
.252	1.063	.02880	.05710	.00170	.00250	.00610	.08440	-.05110	.00100
.251	2.105	.02860	.05590	.00170	.00240	.00490	.07910	.05850	-.08890
.252	3.078	.02850	.05460	.00170	.00230	.00410	.07500	-.10780	.08230
.252	4.067	.02850	.05380	.00180	.00210	.00320	.07150	-.10640	.02040
.251	6.074	.02860	.05160	.00190	.00200	.00170	.06650	-.08610	.06640
.251	8.030	.02880	.04970	.00200	.00190	-.00040	.05700	-.06630	-.00890
.251	10.038	.02830	.04830	.00210	.00180	-.00210	.04660	-.11800	.08750
	GRADIENT	-.00002	-.00105	-.00000	-.00019	.00049	-.00411	-.00217	.00036

ARC 218-1-12 OA101 (OV102) (A2Q005) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 173/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-6.204	.02030	.05850	.00090	.00480	-.00460	.11170	.00890	-.04830
.253	-4.159	.02040	.05580	.00110	.00430	.00040	.10190	.02790	-.04310
.251	-2.128	.02140	.05490	.00100	.00390	.00290	.09720	.01790	-.02290
.251	.027	.02210	.05110	.00110	.00350	.00350	.08450	.01260	-.02730
.251	2.109	.02310	.05020	.00130	.00320	.00430	.07940	.01550	-.03020
.251	4.141	.02300	.04690	.00130	.00270	.00280	.07350	.00270	-.02260
.251	6.245	.02370	.04660	.00160	.00250	.00240	.06440	.02110	-.03610
.251	8.106	.02350	.04340	.00170	.00250	.00030	.06340	.01970	-.04470
.251	10.093	.02330	.04020	.00190	.00200	-.00250	.05410	.00570	-.01070
.251	12.036	.02330	.03920	.00230	.00140	-.00450	.03600	.01820	-.03810
	GRADIENT	.00033	-.00108	.00003	-.00019	.00030	-.00359	-.00253	.00160

ARC 218-1-12 OA101 (OV102) (A2Q006) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 185/ 0 RN/L = 7.73 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.128	.02120	.05930	.00090	.00460	.00040	.11370	-.00250	-.00740
.252	-4.098	.02130	.05740	.00090	.00410	.00020	.10610	-.05290	.04780
.251	-2.122	.02200	.05560	.00090	.00380	.00070	.10130	-.09010	.09510
.251	.029	.02290	.05270	.00090	.00330	.00330	.08870	.00000	-.00980
.251	2.101	.02350	.05060	.00110	.00290	.00230	.08270	.00490	-.00490
.251	4.110	.02420	.04800	.00120	.00260	.00190	.07370	-.05480	.03000
.251	6.168	.02450	.04670	.00140	.00240	.00100	.06830	-.13990	.11950
.251	8.131	.02470	.04370	.00160	.00240	.00260	.05930	.00280	-.02250
.251	10.043	.02430	.04040	.00180	.00170	-.00310	.05580	-.08750	.09280
	GRADIENT	.00035	-.00115	.00004	-.00019	.00024	-.00405	.00455	-.00670

ARC 218-1-12 OA101 (OV102) (A2Q007) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO				
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO				
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO				
SCALE =	.0500								

PARAMETRIC DATA

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

RUN NO. 193/ 0 RN/L = 7.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.055	.00710	.04630	-.00060	.00460	-.00700	.10700	-.05410	.01930
.251	-4.079	.00770	.04080	-.00070	.00400	-.00460	.10330	-.08390	.06410
.251	-1.970	.00920	.03990	-.00050	.00250	1.51860	.09950	-.05560	.05580
.252	-1.104	.00980	.03950	-.00040	.00230	-.00160	.09310	-.01980	-.01500
.251	.009	.01120	.03900	-.00020	.00200	-.00080	.08830	-.02790	-.00180
.251	.537	.01210	.03870	-.00010	.00190	-.00040	.08510	-.05670	.03170
.251	1.040	.01270	.03870	-.00010	.00190	.00000	.08660	-.06950	.01400
.251	2.121	.01400	.03910	.00020	.00170	-.00280	.08160	-.12800	.09250
.251	3.133	.01430	.03980	.00040	.00160	-.00270	.07400	-.06970	.02930
.251	4.132	.01470	.03780	.00060	.00170	-.00080	.07250	-.05070	-.01490
.251	6.078	.01520	.03260	.00090	.00140	-.00140	.06370	-.12080	.10060
.251	8.089	.01530	.02740	.00080	.00030	-.00810	.05630	.00830	-.01790
.251	10.101	.01600	.02420	.00090	-.00020	-.00840	.05250	-.07000	.05020
	GRADIENT	.00094	-.00025	.00016	-.00025	-.06860	-.00401	-.00171	-.00388

ARC 218-1-12 OA101 (OV102) (A2Q008) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO				
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO				
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO				
SCALE =	.0500								

PARAMETRIC DATA

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

RUN NO. 194/ 0 RN/L = 7.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.249	-5.756	-.01110	.02370	-.00190	.00180	-.01430	.10850	-.06870	-.00110
.250	-3.830	-.00970	.02460	-.00220	.00100	-.01520	.10470	-.06530	.02440
.250	-2.007	-.00950	.02340	-.00290	.00080	-.01490	.09510	-.01000	-.01490
.250	-.001	-.00890	.01930	-.00370	.00060	-.01210	.08620	-.00020	-.05970
.249	2.054	-.00700	.01250	-.00450	-.00050	-.01180	.07810	-.05720	.02680
.249	4.043	-.00280	.01040	-.00400	-.00210	-.01050	.06190	.00560	-.04100
.250	6.024	-.00750	.00650	-.00510	-.00340	-.01120	.06040	-.06270	.05270
.250	6.857	-.01140	.00390	-.00710	-.00410	-.01190	.06500	-.07550	.03500
	GRADIENT	.00083	-.00199	-.00026	-.00038	.00063	-.00518	.00464	-.00435

ARC 218-1-12 OA101 (OV102) (A2Q009) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25 000 RUDDER = .000
RN/L = 8 000

RUN NO. 188/ 0 RN/L = 7.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-7.710	.00000	.00000	.00000	.00000	.00000	.00000	-.00870	.03370
.251	-5.636	.00000	.00000	.00000	.00000	.00000	.00000	-.05500	.05010
.251	-.028	.00000	.00000	.00000	.00000	.00000	.00000	-.08680	.06660
.251	2.664	.00000	.00000	.00000	.00000	.00000	.00000	.01990	-.04540
.251	5.536	.00000	.00000	.00000	.00000	.00000	.00000	-.02160	-.03310
.251	7.172	.00000	.00000	.00000	.00000	.00000	.00000	-.01220	-.02770
.252	8.852	.00000	.00000	.00000	.00000	.00000	.00000	-.08440	.06400
.251	11.020	.00000	.00000	.00000	.00000	.00000	.00000	-.02020	-.00520
.251	13.229	.00000	.00000	.00000	.00000	.00000	.00000	-.05130	.00610
.250	16.453	.00000	.00000	.00000	.00000	.00000	.00000	-.00510	-.06460
.249	18.537	.00000	.00000	.00000	.00000	.00000	.00000	-.01090	-.02370
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.03964	-.04161

ARC 218-1-12 OA101 (OV102) (A2Q010) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 189/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-7.827	.00000	.00000	.00000	.00000	.00000	.00000	.01590	5.02980
.252	-5.298	.00000	.00000	.00000	.00000	.00000	.00000	-.07710	5.10610
.251	.011	.00000	.00000	.00000	.00000	.00000	.00000	.02960	4.93600
.251	2.843	.00000	.00000	.00000	.00000	.00000	.00000	-.03090	4.99320
.251	5.770	.00000	.00000	.00000	.00000	.00000	.00000	-.07660	5.11140
.252	7.294	.00000	.00000	.00000	.00000	.00000	.00000	-.06510	5.08830
.251	9.030	.00000	.00000	.00000	.00000	.00000	.00000	.05120	4.91860
.252	11.293	.00000	.00000	.00000	.00000	.00000	.00000	-.05480	5.06880
.251	13.415	.00000	.00000	.00000	.00000	.00000	.00000	.04740	4.97830
.250	16.531	.00000	.00000	.00000	.00000	.00000	.00000	-.04960	5.03940
.249	18.789	.00000	.00000	.00000	.00000	.00000	.00000	-.00560	4.95950
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.02137	.02020

ARC 218-1-12 OA101 (OV102) (A2Q011) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 190/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-7.976	.00000	.00000	.00000	.00000	.00000	.00000	.08360	-5.00860
.251	-5.507	.00000	.00000	.00000	.00000	.00000	.00000	.04360	-4.99310
.251	-.199	.00000	.00000	.00000	.00000	.00000	.00000	.02360	-4.99230
.251	2.638	.00000	.00000	.00000	.00000	.00000	.00000	-.04670	-4.88330
.250	4.853	.00000	.00000	.00000	.00000	.00000	.00000	.07330	-5.00780
.251	5.642	.00000	.00000	.00000	.00000	.00000	.00000	.11600	-5.02130
.251	7.135	.00000	.00000	.00000	.00000	.00000	.00000	.15910	-5.06940
.251	8.787	.00000	.00000	.00000	.00000	.00000	.00000	.08920	-5.04270
.251	10.860	.00000	.00000	.00000	.00000	.00000	.00000	-.02150	-4.95720
.251	13.106	.00000	.00000	.00000	.00000	.00000	.00000	.06610	-5.02490
.250	16.238	.00000	.00000	.00000	.00000	.00000	.00000	.02100	-4.99450
.250	18.469	.00000	.00000	.00000	.00000	.00000	.00000	.00340	-4.98190
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00825	-.00117

ARC 218-1-12 OA101 (OV102) (A20012) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 199/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.251	-35.083	.00000	.00000	.00000	.00000	.00000	.00000	-.04340
.250	-29.746	.00000	.00000	.00000	.00000	.00000	.00000	.30750
.251	-25.039	.00000	.00000	.00000	.00000	.00000	.00000	.00020
.251	-20.088	.00000	.00000	.00000	.00000	.00000	.00000	-.05640
.251	-15.022	.00000	.00000	.00000	.00000	.00000	.00000	.00020
.250	-10.052	.00000	.00000	.00000	.00000	.00000	.00000	.06290
.251	-4.950	.00000	.00000	.00000	.00000	.00000	.00000	.03570
.250	.003	.00000	.00000	.00000	.00000	.00000	.00000	-.00270
.250	4.990	.00000	.00000	.00000	.00000	.00000	.00000	.06950
.250	9.984	.00000	.00000	.00000	.00000	.00000	.00000	.00550
.250	14.990	.00000	.00000	.00000	.00000	.00000	.00000	.03350
.250	20.180	.00000	.00000	.00000	.00000	.00000	.00000	.16470
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00341

ARC 218-1-12 OA101 (OV102) (A20013) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 200/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.250	-35.093	.00000	.00000	.00000	.00000	.00000	.00000	-.03840
.250	-30.006	.00000	.00000	.00000	.00000	.00000	.00000	.08960
.250	-25.052	.00000	.00000	.00000	.00000	.00000	.00000	-.03080
.250	-20.099	.00000	.00000	.00000	.00000	.00000	.00000	-.03440
.250	-15.026	.00000	.00000	.00000	.00000	.00000	.00000	.01530
.250	-9.996	.00000	.00000	.00000	.00000	.00000	.00000	.02180
.250	-4.968	.00000	.00000	.00000	.00000	.00000	.00000	.05840
.250	.013	.00000	.00000	.00000	.00000	.00000	.00000	-.00760
.250	5.032	.00000	.00000	.00000	.00000	.00000	.00000	.03320
.250	9.971	.00000	.00000	.00000	.00000	.00000	.00000	.00200
.250	14.979	.00000	.00000	.00000	.00000	.00000	.00000	-.00640
.249	20.193	.00000	.00000	.00000	.00000	.00000	.00000	.17070
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.01325

ARC 218-1-12 OA101 (OV102) (A2Q014) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 174/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.250	-35.128	.10180	.22110	.01390	.02010	.01230	.08370	-.01860
.250	-29.989	.09730	.21970	.01340	.01940	.01150	.08230	.07090
.250	-25.047	.08840	.20160	.01330	.01920	.01160	.08310	-.01200
.250	-20.092	.07270	.14670	.01190	.01750	.00940	.08430	-.04630
.250	-15.047	.06000	.12910	.00980	.01490	.01050	.08630	.00020
.250	-10.008	.04940	.11440	.00700	.01130	.00910	.08880	.01920
.250	-4.998	.03730	.08340	.00420	.00750	.00790	.08800	.07360
.250	-.012	.02250	.05180	.00110	.00350	.00370	.08930	-.00250
.251	5.000	.00630	.02650	-.00160	-.00010	-.00150	.08720	.04460
.250	9.981	-.01200	-.00110	-.00430	-.00380	-.00160	.08460	-.01570
.250	14.967	-.03530	-.03320	-.00600	-.00680	-.00910	.08510	-.01360
.249	20.154	-.06580	-.07620	-.00500	-.00730	-.00950	.08770	-.16080
	GRADIENT	-.00310	-.00569	-.00058	-.00076	-.00094	-.00008	-.00289

ARC 218-1-12 OA101 (OV102) (A2Q015) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 186/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.251	-35.231	.10690	.22650	.01400	.02150	-.00530	.06360	.09140
.251	-30.286	.10430	.22060	.01330	.01990	.00710	.07380	.34810
.251	-25.153	.08930	.16950	.01330	.01960	.00610	.08650	.05040
.251	-20.057	.07160	.15310	.01180	.01780	.00840	.08600	-.10800
.251	-15.076	.05980	.13320	.00960	.01480	.00990	.08750	.04970
.251	-10.100	.04930	.11660	.00690	.01130	.01320	.09060	.10860
.251	-5.021	.03790	.08430	.00400	.00740	.00680	.08950	.09670
.251	-.015	.02280	.05300	.00090	.00320	.00370	.09020	.00010
.251	4.958	.00640	.02680	-.00180	-.00040	-.00140	.08910	.03230
.251	9.926	-.01180	-.00100	-.00450	-.00400	-.00520	.09010	.01420
.251	14.909	-.03450	-.03360	-.00640	-.00700	-.00710	.08960	.06510
.250	20.116	-.06620	-.07850	-.00510	-.00800	-.01060	.08870	.23270
	GRADIENT	-.00330	-.00527	-.00054	-.00072	-.00103	-.00022	.00647

ARC 218-1-12 OA101 (OV102) (A2Q016) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 201/ 0 RN/L = 7.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.249	-35.120	.08980	.23090	.01110	.02150	.00370	.07450	-.02580
.250	-29.983	.09040	.22350	.01110	.01980	.00370	.07680	.06960
.250	-25.051	.07690	.17350	.01170	.01940	-.00110	.08130	.00260
.251	-20.087	.06510	.15480	.01070	.01690	.00240	.08070	-.05140
.251	-15.044	.05550	.12860	.00870	.01380	.01290	.08440	.01760
.252	-10.001	.04500	.10750	.00600	.01010	.00760	.08620	.01190
.252	-4.976	.03010	.07270	.00310	.00620	.00380	.08660	.07080
.251	-.012	.01150	.03930	-.00030	.00210	-.00260	.08740	.01220
.251	5.018	-.00800	.01140	-.00320	-.00150	-.00270	.08620	.03800
.251	9.971	-.03070	-.02030	-.00560	-.00480	-.01170	.08580	-.00990
.250	14.993	-.05640	-.05420	-.00750	-.00810	-.01320	.08670	-.02110
.250	20.171	-.08960	-.09410	-.00890	-.01060	-.01570	.08830	.16380
	GRADIENT	-.00375	-.00673	-.00069	-.00083	-.00129	.00016	-.01181

ARC 218-1-12 OA101 (OV102) (A2Q017) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 202/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.250	-35.130	.00000	.00000	.00000	.00000	.00000	.00000	-.02570
.250	-29.983	.00000	.00000	.00000	.00000	.00000	.00000	.08290
.250	-25.066	.00000	.00000	.00000	.00000	.00000	.00000	.00230
.250	-20.112	.00000	.00000	.00000	.00000	.00000	.00000	-.03200
.250	-15.032	.00000	.00000	.00000	.00000	.00000	.00000	.00030
.250	-10.014	.00000	.00000	.00000	.00000	.00000	.00000	.00890
.250	-4.961	.00000	.00000	.00000	.00000	.00000	.00000	.07500
.249	.000	.00000	.00000	.00000	.00000	.00000	.00000	.00990
.249	5.015	.00000	.00000	.00000	.00000	.00000	.00000	.03980
.248	9.983	.00000	.00000	.00000	.00000	.00000	.00000	-.00960
.248	14.973	.00000	.00000	.00000	.00000	.00000	.00000	-.01630
.247	20.183	.00000	.00000	.00000	.00000	.00000	.00000	.16090
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.01312

ARC 218-1-12 OA101 (OV102) (A20018) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 176/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-6.131	.00000	.00000	.00000	.00000	.00000	.00000	.06350	-9.96880
.251	-4.200	.00000	.00000	.00000	.00000	.00000	.00000	.06840	-9.97370
.251	-2.144	.00000	.00000	.00000	.00000	.00000	.00000	.07570	-9.98100
.252	-1.137	.00000	.00000	.00000	.00000	.00000	.00000	.04410	-9.95960
.251	-.315	.00000	.00000	.00000	.00000	.00000	.00000	.05870	-9.98360
.251	.356	.00000	.00000	.00000	.00000	.00000	.00000	.06500	-9.97220
.251	.691	.00000	.00000	.00000	.00000	.00000	.00000	.06580	-9.96180
.251	1.145	.00000	.00000	.00000	.00000	.00000	.00000	.05290	-9.97960
.251	2.129	.00000	.00000	.00000	.00000	.00000	.00000	.04830	-9.96950
.252	3.157	.00000	.00000	.00000	.00000	.00000	.00000	.04160	-9.94780
.251	4.160	.00000	.00000	.00000	.00000	.00000	.00000	.06790	-9.96950
.251	6.166	.00000	.00000	.00000	.00000	.00000	.00000	.06270	-9.97450
.251	7.950	.00000	.00000	.00000	.00000	.00000	.00000	.04780	-9.95500
.251	10.084	.00000	.00000	.00000	.00000	.00000	.00000	.05830	-9.95420
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00176	.00175

ARC 218-1-12 OA101 (OV102) (A20019) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 177/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.110	.00000	.00000	.00000	.00000	.00000	.00000	.05300	-4.95280
.251	-4.193	.00000	.00000	.00000	.00000	.00000	.00000	.07330	-4.98800
.251	-2.130	.00000	.00000	.00000	.00000	.00000	.00000	.08320	-4.98780
.251	-1.114	.00000	.00000	.00000	.00000	.00000	.00000	.07830	-4.99810
.251	-.299	.00000	.00000	.00000	.00000	.00000	.00000	.06790	-4.98290
.251	.346	.00000	.00000	.00000	.00000	.00000	.00000	.07080	-4.98510
.251	.679	.00000	.00000	.00000	.00000	.00000	.00000	.07530	-4.98060
.251	1.152	.00000	.00000	.00000	.00000	.00000	.00000	.09050	-4.99060
.251	2.108	.00000	.00000	.00000	.00000	.00000	.00000	.06790	-4.97790
.251	3.168	.00000	.00000	.00000	.00000	.00000	.00000	.09070	-4.99550
.251	4.155	.00000	.00000	.00000	.00000	.00000	.00000	.09550	-4.99570
.251	6.163	.00000	.00000	.00000	.00000	.00000	.00000	.07810	-4.98780
.251	8.155	.00000	.00000	.00000	.00000	.00000	.00000	.05830	-4.97730
.251	10.097	.00000	.00000	.00000	.00000	.00000	.00000	.05520	-4.96020
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00194	-.00038

ARC 218-1-12 OA101 (OV102) (A2Q020) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 178/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.118	.00000	.00000	.00000	.00000	.00000	.00000	.03440	5.01410
.251	-4.203	.00000	.00000	.00000	.00000	.00000	.00000	.01500	5.02390
.251	-2.127	.00000	.00000	.00000	.00000	.00000	.00000	.04210	4.99240
.250	-1.123	.00000	.00000	.00000	.00000	.00000	.00000	.01230	5.03120
.250	-.277	.00000	.00000	.00000	.00000	.00000	.00000	.03000	5.01450
.250	.334	.00000	.00000	.00000	.00000	.00000	.00000	.05440	4.99500
.250	.679	.00000	.00000	.00000	.00000	.00000	.00000	.02030	5.03420
.250	1.132	.00000	.00000	.00000	.00000	.00000	.00000	.03490	5.00960
.251	2.136	.00000	.00000	.00000	.00000	.00000	.00000	.04230	5.01220
.251	3.166	.00000	.00000	.00000	.00000	.00000	.00000	.03070	5.01030
.251	4.159	.00000	.00000	.00000	.00000	.00000	.00000	.03760	5.00740
.251	6.166	.00000	.00000	.00000	.00000	.00000	.00000	.02750	5.01200
.251	8.118	.00000	.00000	.00000	.00000	.00000	.00000	.03540	5.01010
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00209	-.00093

ARC 218-1-12 OA101 (OV102) (A2Q021) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 179/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.250	-6.115	.00000	.00000	.00000	.00000	.00000	.00000	-.00790	9.97750
.250	-4.196	.00000	.00000	.00000	.00000	.00000	.00000	.00710	9.97110
.251	-2.118	.00000	.00000	.00000	.00000	.00000	.00000	.01080	9.95460
.250	-1.114	.00000	.00000	.00000	.00000	.00000	.00000	.01980	9.94990
.250	-.298	.00000	.00000	.00000	.00000	.00000	.00000	-.01540	9.98110
.250	.667	.00000	.00000	.00000	.00000	.00000	.00000	-.00320	9.96900
.251	1.144	.00000	.00000	.00000	.00000	.00000	.00000	.00900	9.96900
.250	2.132	.00000	.00000	.00000	.00000	.00000	.00000	-.00550	9.97130
.250	3.156	.00000	.00000	.00000	.00000	.00000	.00000	.00480	9.96080
.250	4.157	.00000	.00000	.00000	.00000	.00000	.00000	-.01790	9.97920
.251	6.166	.00000	.00000	.00000	.00000	.00000	.00000	-.00940	9.97090
.251	8.130	.00000	.00000	.00000	.00000	.00000	.00000	.00090	9.96900
.250	10.095	.00000	.00000	.00000	.00000	.00000	.00000	-.00330	9.97300
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00246	.00120

ARC 218-1-12 0A101 (0V102) (A20022) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 183/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.044	.00000	.00000	.00000	.00000	.00000	.00000	-.04590	-9.96010
.251	-4.163	.00000	.00000	.00000	.00000	.00000	.00000	-.08700	-9.92280
.251	-1.983	.00000	.00000	.00000	.00000	.00000	.00000	-.06010	-9.94690
.252	-1.106	.00000	.00000	.00000	.00000	.00000	.00000	-.00460	-10.03200
.252	.011	.00000	.00000	.00000	.00000	.00000	.00000	-.05640	-9.97110
.251	.534	.00000	.00000	.00000	.00000	.00000	.00000	-.03390	-10.01900
.251	1.040	.00000	.00000	.00000	.00000	.00000	.00000	-.00800	-10.04500
.251	2.094	.00000	.00000	.00000	.00000	.00000	.00000	-.00240	-10.04000
.252	3.137	.00000	.00000	.00000	.00000	.00000	.00000	-.10220	-9.92930
.251	4.113	.00000	.00000	.00000	.00000	.00000	.00000	-.09460	-9.91700
.251	6.137	.00000	.00000	.00000	.00000	.00000	.00000	.01580	-10.03600
.251	8.053	.00000	.00000	.00000	.00000	.00000	.00000	-.07260	-9.95020
.251	10.153	.00000	.00000	.00000	.00000	.00000	.00000	.02070	-10.04100
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00134	-.00076

ARC 218-1-12 0A101 (0V102) (A2Q023) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 182/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.169	.00000	.00000	.00000	.00000	.00000	.00000	.14450	-5.03440
.252	-4.126	.00000	.00000	.00000	.00000	.00000	.00000	.06600	-4.95670
.252	-1.998	.00000	.00000	.00000	.00000	.00000	.00000	-.01800	-4.87800
.251	-1.123	.00000	.00000	.00000	.00000	.00000	.00000	.16170	-5.03740
.251	.010	.00000	.00000	.00000	.00000	.00000	.00000	.01770	-4.90850
.251	.514	.00000	.00000	.00000	.00000	.00000	.00000	.08590	-4.98100
.250	1.040	.00000	.00000	.00000	.00000	.00000	.00000	.11110	-5.02110
.251	2.082	.00000	.00000	.00000	.00000	.00000	.00000	.02000	-4.92580
.250	3.108	.00000	.00000	.00000	.00000	.00000	.00000	.06830	-4.98830
.251	4.109	.00000	.00000	.00000	.00000	.00000	.00000	.02830	-4.95280
.251	6.046	.00000	.00000	.00000	.00000	.00000	.00000	.00540	-4.91610
.251	8.173	.00000	.00000	.00000	.00000	.00000	.00000	-.02220	-4.85870
.250	10.275	.00000	.00000	.00000	.00000	.00000	.00000	.06860	-4.98310
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00198	-.00278

ARC 218-1-12 OA101 (OV102) (A2Q024) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 181/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.250	-6.108	.00000	.00000	.00000	.00000	.00000	.00000	.01280	5.03670
.250	-4.125	.00000	.00000	.00000	.00000	.00000	.00000	.05180	5.00210
.251	-1.986	.00000	.00000	.00000	.00000	.00000	.00000	.05410	5.00440
.251	-1.056	.00000	.00000	.00000	.00000	.00000	.00000	.05140	5.01150
.251	.054	.00000	.00000	.00000	.00000	.00000	.00000	.04720	5.00730
.251	.525	.00000	.00000	.00000	.00000	.00000	.00000	.03290	5.01260
.251	1.021	.00000	.00000	.00000	.00000	.00000	.00000	.05210	5.00240
.251	2.142	.00000	.00000	.00000	.00000	.00000	.00000	.01320	5.01730
.251	3.158	.00000	.00000	.00000	.00000	.00000	.00000	.03290	5.01260
.251	4.162	.00000	.00000	.00000	.00000	.00000	.00000	.03740	5.01710
.251	6.117	.00000	.00000	.00000	.00000	.00000	.00000	.03250	5.01700
.251	8.120	.00000	.00000	.00000	.00000	.00000	.00000	.01810	5.03690
.251	10.099	.00000	.00000	.00000	.00000	.00000	.00000	.05470	4.99530
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00328	.00168

ARC 218-1-12 OA101 (OV102) (A20025) (01 FEB 78)

PEFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6(0	IN. XO
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10 000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 180/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.250	-6.078	.00000	.00000	.00000	.00000	.00000	.00000	-.00190	9.96730
.250	-4.095	.00000	.00000	.00000	.00000	.00000	.00000	-.00600	9.95460
.250	-2.007	.00000	.00000	.00000	.00000	.00000	.00000	-.00360	9.97310
.250	-1.073	.00000	.00000	.00000	.00000	.00000	.00000	-.01550	9.96880
.250	.053	.00000	.00000	.00000	.00000	.00000	.00000	-.01600	9.96080
.250	.565	.00000	.00000	.00000	.00000	.00000	.00000	.01300	9.95680
.250	1.083	.00000	.00000	.00000	.00000	.00000	.00000	-.00770	9.95230
.251	2.139	.00000	.00000	.00000	.00000	.00000	.00000	-.00340	9.95660
.251	3.155	.00000	.00000	.00000	.00000	.00000	.00000	-.00110	9.97110
.251	4.189	.00000	.00000	.00000	.00000	.00000	.00000	-.00740	9.95610
.251	6.110	.00000	.00000	.00000	.00000	.00000	.00000	-.01380	9.99190
.250	8.122	.00000	.00000	.00000	.00000	.00000	.00000	-.01140	9.97700
.250	10.086	.00000	.00000	.00000	.00000	.00000	.00000	-.00140	9.97530
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00049	-.00031

ARC 218-1-12 OA101 (OV102) (A2Q026) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 196/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.252	-35.117	.00000	.00000	.00000	.00000	.00000	.00000	-.05780
.252	-29.987	.00000	.00000	.00000	.00000	.00000	.00000	.06570
.253	-25.209	.00000	.00000	.00000	.00000	.00000	.00000	.12620
.252	-20.107	.00000	.00000	.00000	.00000	.00000	.00000	-.04800
.252	-15.044	.00000	.00000	.00000	.00000	.00000	.00000	.00230
.252	-10.023	.00000	.00000	.00000	.00000	.00000	.00000	-.00010
.252	-4.998	.00000	.00000	.00000	.00000	.00000	.00000	.07330
.252	.004	.00000	.00000	.00000	.00000	.00000	.00000	.00120
.252	5.004	.00000	.00000	.00000	.00000	.00000	.00000	.01930
.252	9.984	.00000	.00000	.00000	.00000	.00000	.00000	-.01000
.252	14.975	.00000	.00000	.00000	.00000	.00000	.00000	-.01920
.251	20.174	.00000	.00000	.00000	.00000	.00000	.00000	.15530
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.01441

ARC 218-1-12 OA101 (OV102) (A20027) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 197/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.252	-35.112	.00000	.00000	.00000	.00000	.00000	.00000	-.02800
.252	-29.992	.00000	.00000	.00000	.00000	.00000	.00000	.07960
.253	-25.059	.00000	.00000	.00000	.00000	.00000	.00000	.00500
.253	-20.085	.00000	.00000	.00000	.00000	.00000	.00000	-.05360
.252	-15.047	.00000	.00000	.00000	.00000	.00000	.00000	-.00990
.252	-10.022	.00000	.00000	.00000	.00000	.00000	.00000	-.00900
.253	-4.956	.00000	.00000	.00000	.00000	.00000	.00000	.04100
.253	-.006	.00000	.00000	.00000	.00000	.00000	.00000	.00560
.252	5.001	.00000	.00000	.00000	.00000	.00000	.00000	.05030
.252	9.969	.00000	.00000	.00000	.00000	.00000	.00000	-.00810
.252	14.973	.00000	.00000	.00000	.00000	.00000	.00000	-.02600
.251	20.186	.00000	.00000	.00000	.00000	.00000	.00000	.15830
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00715

ARC 218-1-12 OA101 (OV102) (A2Q028) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = 2.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 198/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.251	-35.137	.00000	.00000	.00000	.00000	.00000	.00000	-.02820
.252	-29.987	.00000	.00000	.00000	.00000	.00000	.00000	.07320
.252	-25.057	.00000	.00000	.00000	.00000	.00000	.00000	-.01640
.252	-20.107	.00000	.00000	.00000	.00000	.00000	.00000	-.05340
.252	-15.039	.00000	.00000	.00000	.00000	.00000	.00000	-.00230
.253	-10.021	.00000	.00000	.00000	.00000	.00000	.00000	.00730
.253	-4.983	.00000	.00000	.00000	.00000	.00000	.00000	.06790
.252	-.005	.00000	.00000	.00000	.00000	.00000	.00000	.01000
.252	4.993	.00000	.00000	.00000	.00000	.00000	.00000	.02290
.252	9.977	.00000	.00000	.00000	.00000	.00000	.00000	-.00810
.251	14.973	.00000	.00000	.00000	.00000	.00000	.00000	-.01190
.251	20.163	.00000	.00000	.00000	.00000	.00000	.00000	.16580
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00451

ARC 218-1-12 0A101 (0V102) (A20029) (01 FEB 78)

PEFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 204/ 0 RN/L = 7.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	ELEVON
.250	-10.065	.00000	.00000	.00000	.00000	.00000	.00000	-10.09500
.250	-7.563	.00000	.00000	.00000	.00000	.00000	.00000	-10.09200
.250	-5.010	.00000	.00000	.00000	.00000	.00000	.00000	-10.03100
.249	-4.007	.00000	.00000	.00000	.00000	.00000	.00000	-10.03900
.249	-2.997	.00000	.00000	.00000	.00000	.00000	.00000	-9.99980
.248	-1.993	.00000	.00000	.00000	.00000	.00000	.00000	-10.00300
.248	-.994	.00000	.00000	.00000	.00000	.00000	.00000	-10.05700
.248	.011	.00000	.00000	.00000	.00000	.00000	.00000	-10.02100
.249	.977	.00000	.00000	.00000	.00000	.00000	.00000	-10.03800
.249	1.997	.00000	.00000	.00000	.00000	.00000	.00000	-10.03700
.249	3.024	.00000	.00000	.00000	.00000	.00000	.00000	-10.00200
.249	4.050	.00000	.00000	.00000	.00000	.00000	.00000	-9.98190
.249	5.051	.00000	.00000	.00000	.00000	.00000	.00000	-9.96070
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00290

ARC 218-1-12 OA101 (OV102) (A2Q030) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 203/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	ELEVON
.249	-10.000	.00000	.00000	.00000	.00000	.00000	.00000	9.99530
.250	-7.518	.00000	.00000	.00000	.00000	.00000	.00000	9.98100
.250	-4.989	.00000	.00000	.00000	.00000	.00000	.00000	10.04400
.250	-3.976	.00000	.00000	.00000	.00000	.00000	.00000	10.03600
.250	-2.984	.00000	.00000	.00000	.00000	.00000	.00000	10.01600
.250	-2.021	.00000	.00000	.00000	.00000	.00000	.00000	9.98890
.250	-.986	.00000	.00000	.00000	.00000	.00000	.00000	9.99440
.250	-.004	.00000	.00000	.00000	.00000	.00000	.00000	9.96500
.250	.943	.00000	.00000	.00000	.00000	.00000	.00000	9.95080
.250	1.967	.00000	.00000	.00000	.00000	.00000	.00000	9.93630
.250	2.949	.00000	.00000	.00000	.00000	.00000	.00000	9.94200
.250	3.974	.00000	.00000	.00000	.00000	.00000	.00000	9.94980
.250	4.994	.00000	.00000	.00000	.00000	.00000	.00000	9.95900
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.01040

ARC 218-1-12 OA101 (OV102) (A2Q031) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 227/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	ELEVON
.251	-10.004	.00000	.00000	.00000	.00000	.00000	.00000	-.02210
.252	-7.495	.00000	.00000	.00000	.00000	.00000	.00000	-.02320
.253	-4.954	.00000	.00000	.00000	.00000	.00000	.00000	.03020
.252	-3.949	.00000	.00000	.00000	.00000	.00000	.00000	.03160
.252	-2.933	.00000	.00000	.00000	.00000	.00000	.00000	.03070
.251	-1.966	.00000	.00000	.00000	.00000	.00000	.00000	.01010
.252	-.982	.00000	.00000	.00000	.00000	.00000	.00000	.00030
.251	.015	.00000	.00000	.00000	.00000	.00000	.00000	-.01970
.251	1.023	.00000	.00000	.00000	.00000	.00000	.00000	-.00010
.251	2.002	.00000	.00000	.00000	.00000	.00000	.00000	-.01300
.251	2.995	.00000	.00000	.00000	.00000	.00000	.00000	-.02730
.251	4.024	.00000	.00000	.00000	.00000	.00000	.00000	-.00530
.251	5.039	.00000	.00000	.00000	.00000	.00000	.00000	.01260
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00609

ARC 218-1-12 OA101 (OV102) (A2Q032) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 228/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	ELEVON
.251	-10.008	.00000	.00000	.00000	.00000	.00000	.00000	-.01350
.251	-7.528	.00000	.00000	.00000	.00000	.00000	.00000	-.02130
.251	-4.959	.00000	.00000	.00000	.00000	.00000	.00000	.03000
.251	-3.970	.00000	.00000	.00000	.00000	.00000	.00000	.02130
.251	-2.946	.00000	.00000	.00000	.00000	.00000	.00000	.01480
.250	-1.973	.00000	.00000	.00000	.00000	.00000	.00000	.01230
.250	-.005	.00000	.00000	.00000	.00000	.00000	.00000	-.00990
.251	1.010	.00000	.00000	.00000	.00000	.00000	.00000	.00840
.251	1.985	.00000	.00000	.00000	.00000	.00000	.00000	-.00110
.251	2.991	.00000	.00000	.00000	.00000	.00000	.00000	-.00300
.251	4.029	.00000	.00000	.00000	.00000	.00000	.00000	-.01780
.251	5.023	.00000	.00000	.00000	.00000	.00000	.00000	.01200
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00432

ARC 218-1-12 OA101 (OV102) (A20033) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 205/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSF	ELEVON
.249	-10.017	.00000	.00000	.00000	.00000	.00000	.00000	-.01980
.249	-7.513	.00000	.00000	.00000	.00000	.00000	.00000	-.02120
.248	-4.950	.00000	.00000	.00000	.00000	.00000	.00000	.03480
.249	-3.935	.00000	.00000	.00000	.00000	.00000	.00000	.00180
.248	-2.941	.00000	.00000	.00000	.00000	.00000	.00000	.01950
.248	-1.959	.00000	.00000	.00000	.00000	.00000	.00000	.01260
.248	-.977	.00000	.00000	.00000	.00000	.00000	.00000	-.00470
.248	.008	.00000	.00000	.00000	.00000	.00000	.00000	-.01750
.248	1.030	.00000	.00000	.00000	.00000	.00000	.00000	-.01310
.248	1.998	.00000	.00000	.00000	.00000	.00000	.00000	-.00890
.248	3.010	.00000	.00000	.00000	.00000	.00000	.00000	-.01710
.249	4.020	.00000	.00000	.00000	.00000	.00000	.00000	.00520
.248	5.043	.00000	.00000	.00000	.00000	.00000	.00000	-.00750
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00384

ARC 218-1-12 0A101 (0V102) (A20034) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 229/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	ELEVON
.251	-10.009	.00000	.00000	.00000	.00000	.00000	.00000	-.02280
.251	-7.512	.00000	.00000	.00000	.00000	.00000	.00000	-.01590
.251	-4.952	.00000	.00000	.00000	.00000	.00000	.00000	.02270
.251	-3.937	.00000	.00000	.00000	.00000	.00000	.00000	-.00640
.251	-2.934	.00000	.00000	.00000	.00000	.00000	.00000	.00700
.251	-1.971	.00000	.00000	.00000	.00000	.00000	.00000	.00530
.251	-.953	.00000	.00000	.00000	.00000	.00000	.00000	-.02350
.251	-.005	.00000	.00000	.00000	.00000	.00000	.00000	-.02520
.251	1.037	.00000	.00000	.00000	.00000	.00000	.00000	-.01980
.251	1.985	.00000	.00000	.00000	.00000	.00000	.00000	-.01040
.251	3.016	.00000	.00000	.00000	.00000	.00000	.00000	-.03840
.251	4.025	.00000	.00000	.00000	.00000	.00000	.00000	-.00300
.251	5.034	.00000	.00000	.00000	.00000	.00000	.00000	.00200
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00377

ARC 218-1-12 OA101 (OV102) (A20035) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 230/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	ELEVON
.251	-10.013	.00000	.00000	.00000	.00000	.00000	.00000	-.01910
.251	-7.523	.00000	.00000	.00000	.00000	.00000	.00000	-.03130
.251	-4.943	.00000	.00000	.00000	.00000	.00000	.00000	.01260
.251	-3.969	.00000	.00000	.00000	.00000	.00000	.00000	.01610
.251	-2.939	.00000	.00000	.00000	.00000	.00000	.00000	.02690
.251	-1.970	.00000	.00000	.00000	.00000	.00000	.00000	.00950
.251	-.961	.00000	.00000	.00000	.00000	.00000	.00000	-.01550
.251	.000	.00000	.00000	.00000	.00000	.00000	.00000	-.01470
.251	1.028	.00000	.00000	.00000	.00000	.00000	.00000	-.01050
.251	2.011	.00000	.00000	.00000	.00000	.00000	.00000	-.02700
.251	2.993	.00000	.00000	.00000	.00000	.00000	.00000	-.01490
.251	4.015	.00000	.00000	.00000	.00000	.00000	.00000	.00480
.251	4.993	.00000	.00000	.00000	.00000	.00000	.00000	-.00870
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00315

ARC 218-1-12 0A101 (0V102) (A2Q036) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 207/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-7.838	.00000	.00000	.00000	.00000	.00000	.00000	5.03640	-.00490
.251	-5.899	.00000	.00000	.00000	.00000	.00000	.00000	5.03620	-.01470
.251	-5.380	.00000	.00000	.00000	.00000	.00000	.00000	5.02320	-.00750
.251	-2.525	.00000	.00000	.00000	.00000	.00000	.00000	5.03120	-.01020
.251	-.552	.00000	.00000	.00000	.00000	.00000	.00000	5.04140	-.01990
.250	-.129	.00000	.00000	.00000	.00000	.00000	.00000	5.01750	-.00850
.251	1.736	.00000	.00000	.00000	.00000	.00000	.00000	5.03000	-.01110
.251	2.477	.00000	.00000	.00000	.00000	.00000	.00000	5.02890	-.00740
.250	3.402	.00000	.00000	.00000	.00000	.00000	.00000	5.04140	-.01490
.251	4.786	.00000	.00000	.00000	.00000	.00000	.00000	5.04640	-.01990
.251	7.278	.00000	.00000	.00000	.00000	.00000	.00000	5.02780	-.01300
.251	8.823	.00000	.00000	.00000	.00000	.00000	.00000	5.03890	-.02240
.251	11.099	.00000	.00000	.00000	.00000	.00000	.00000	5 04880	-.03230
.251	13.268	.00000	.00000	.00000	.00000	.00000	.00000	5.03820	-.01270
.251	16.625	.00000	.00000	.00000	.00000	.00000	.00000	5.03030	-.01550
.252	18.515	.00000	.00000	.00000	.00000	.00000	.00000	5.01820	-.00750
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00187	-.00065

ARC 218-1-12 0A101 (0V102) (A2Q037) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 214/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.251	-30.069	.00000	.00000	.00000	.00000	.00000	.00000	4.98580
.251	-25.107	.00000	.00000	.00000	.00000	.00000	.00000	4.95190
.252	-20.058	.00000	.00000	.00000	.00000	.00000	.00000	5.01610
.252	-15.050	.00000	.00000	.00000	.00000	.00000	.00000	5.03010
.252	-9.973	.00000	.00000	.00000	.00000	.00000	.00000	5.05370
.252	-5.007	.00000	.00000	.00000	.00000	.00000	.00000	5.01660
.252	-.013	.00000	.00000	.00000	.00000	.00000	.00000	5.03860
.252	4.968	.00000	.00000	.00000	.00000	.00000	.00000	4.99320
.252	9.937	.00000	.00000	.00000	.00000	.00000	.00000	5.00140
.252	15.159	.00000	.00000	.00000	.00000	.00000	.00000	5.16990
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00911

ARC 218-1-12 0A101 (0V102) (A2Q038) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 215/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.252	-30.071	.00000	.00000	.00000	.00000	.00000	.00000	4.99810
.252	-25.116	.00000	.00000	.00000	.00000	.00000	.00000	4.96660
.252	-20.046	.00000	.00000	.00000	.00000	.00000	.00000	5.00400
.252	-15.041	.00000	.00000	.00000	.00000	.00000	.00000	4.98970
.252	-9.996	.00000	.00000	.00000	.00000	.00000	.00000	5.05610
.252	-5.004	.00000	.00000	.00000	.00000	.00000	.00000	5.00440
.252	.022	.00000	.00000	.00000	.00000	.00000	.00000	5.02880
.252	4.961	.00000	.00000	.00000	.00000	.00000	.00000	5.00060
.252	9.957	.00000	.00000	.00000	.00000	.00000	.00000	5.00120
.251	15.149	.00000	.00000	.00000	.00000	.00000	.00000	5.18060
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00571

ARC 218-1-12 OA101 (OV102) (A2Q039) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 216/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.251	-30.081	.00000	.00000	.00000	.00000	.00000	.00000	5.00320
.251	-25.104	.00000	.00000	.00000	.00000	.00000	.00000	4.93770
.252	-20.108	.00000	.00000	.00000	.00000	.00000	.00000	5.05170
.252	-15.023	.00000	.00000	.00000	.00000	.00000	.00000	5.00800
.252	-9.983	.00000	.00000	.00000	.00000	.00000	.00000	5.05390
.252	-5.014	.00000	.00000	.00000	.00000	.00000	.00000	5.01390
.252	.012	.00000	.00000	.00000	.00000	.00000	.00000	5.03360
.251	4.955	.00000	.00000	.00000	.00000	.00000	.00000	4.98930
.251	9.943	.00000	.00000	.00000	.00000	.00000	.00000	5.01170
.251	15.139	.00000	.00000	.00000	.00000	.00000	.00000	5.17560
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00896

ARC 218-1-12 OA101 (OV102) (A2Q040) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 221/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-22.911	.00000	.00000	.00000	.00000	.00000	.00000	.03700	-.05670
.251	-18.119	.00000	.00000	.00000	.00000	.00000	.00000	.01060	-.02530
.251	-14.965	.00000	.00000	.00000	.00000	.00000	.00000	.03510	-.04480
.252	-10.052	.00000	.00000	.00000	.00000	.00000	.00000	.00580	-.02610
.251	-5.010	.00000	.00000	.00000	.00000	.00000	.00000	-.00250	-.02780
.251	-2.467	.00000	.00000	.00000	.00000	.00000	.00000	.01050	-.02050
.251	.161	.00000	.00000	.00000	.00000	.00000	.00000	.03990	-.05950
.252	2.594	.00000	.00000	.00000	.00000	.00000	.00000	.00560	-.03520
.251	5.064	.00000	.00000	.00000	.00000	.00000	.00000	.02280	-.05800
.252	10.168	.00000	.00000	.00000	.00000	.00000	.00000	.05520	-.07530
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00081	-.00306

ARC 218-1-12 0A101 (0V102) (A2Q041) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 222/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-22.796	.02200	.04990	.00110	.00330	-.00430	.01390	.01320	-.01790
.251	-17.989	.02200	.05000	.00120	.00320	-.00140	.01820	.01310	-.02770
.251	-14.955	.02190	.04990	.00110	.00320	-.00420	.02440	.03240	-.01730
.251	-10.084	.02220	.05070	.00110	.00310	.00020	.03900	.03500	-.05470
.252	-5.068	.02220	.05040	.00110	.00310	.00110	.05430	.03430	-.05940
.252	-2.497	.02190	.05020	.00110	.00310	.00020	.07060	.02250	-.02240
.251	.028	.02210	.05040	.00110	.00310	.00480	.08880	.03220	-.02720
.252	2.537	.02230	.05110	.00120	.00320	.00110	.10580	.01350	-.04290
.251	5.064	.02220	.05050	.00120	.00330	.00240	.10910	.01240	-.03730
.252	10.148	.02240	.05040	.00120	.00330	.00330	.13550	.00000	-.05460
	GRADIENT	.00008	.00018	.00002	.00002	.00018	.00699	-.00178	-.00407

ARC 218-1-12 0A101 (0V102) (A2Q042) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 206/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.248	-22.911	.02260	.05190	.00110	.00320	.00060	.01790	.00970	-.02450
.248	-18.054	.02290	.05220	.00100	.00330	.00330	.02220	.02160	-.04200
.248	-15.063	.02270	.05230	.00100	.00330	.00010	.02620	-.00050	.01550
.248	-9.894	.02280	.05220	.00090	.00330	.00280	.04150	.00490	-.01470
.248	-4.888	.02270	.05230	.00090	.00330	.00330	.05860	.00710	-.04730
.249	-2.447	.02270	.05160	.00090	.00330	.00370	.07290	.01420	-.03950
.248	.057	.02290	.05250	.00100	.00330	.00420	.09060	.00770	-.02740
.248	2.613	.02290	.05270	.00100	.00340	.00580	.11120	.00750	-.02260
.248	5.111	.02290	.05240	.00100	.00330	.00490	.11350	-.01740	-.01780
.248	10.207	.02320	.05230	.00100	.00330	.00420	.13850	.00240	-.02780
.251	18.233	.02280	.05220	.00110	.00360	.00340	.18500	.01020	-.01020
.251	23.094	.02310	.05240	.00120	.00350	.00090	.21790	.00740	.00260
	GRADIENT	.00003	.00008	.00002	.00001	.00032	.00702	-.00022	.00344

ARC 218-1-12 OA101 (OV102) (A2Q043) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 223/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-22.911	.00000	.00000	.00000	.00000	.00000	.00000	.02780	-.02270
.252	-17.928	.00000	.00000	.00000	.00000	.00000	.00000	.02530	-.03010
.252	-15.024	.00000	.00000	.00000	.00000	.00000	.00000	.02570	-.03060
.252	-9.989	.00000	.00000	.00000	.00000	.00000	.00000	.03050	-.03560
.252	-5.000	.00000	.00000	.00000	.00000	.00000	.00000	.01070	-.03010
.252	-2.397	.00000	.00000	.00000	.00000	.00000	.00000	.03880	-.04860
.252	.019	.00000	.00000	.00000	.00000	.00000	.00000	.01350	-.01840
.252	2.518	.00000	.00000	.00000	.00000	.00000	.00000	.01060	-.03510
.251	5.026	.00000	.00000	.00000	.00000	.00000	.00000	.02510	-.04500
.252	10.168	.00000	.00000	.00000	.00000	.00000	.00000	.01840	-.02820
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00097	.00057

ARC 218-1-12 OA101 (OV102) (A2Q044) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 224/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-22.854	.00000	.00000	.00000	.00000	.00000	.00000	.03000	-.04990
.250	-18.022	.00000	.00000	.00000	.00000	.00000	.00000	.02240	-.02730
.251	-15.043	.00000	.00000	.00000	.00000	.00000	.00000	.01300	-.03270
.251	-9.946	.00000	.00000	.00000	.00000	.00000	.00000	.01790	-.03270
.251	-4.990	.00000	.00000	.00000	.00000	.00000	.00000	.02280	-.04740
.251	-2.497	.00000	.00000	.00000	.00000	.00000	.00000	.02550	-.01530
.251	.038	.00000	.00000	.00000	.00000	.00000	.00000	.01060	-.02040
.251	2.584	.00000	.00000	.00000	.00000	.00000	.00000	-.00190	-.02320
.251	5.054	.00000	.00000	.00000	.00000	.00000	.00000	.00770	-.02730
.251	10.187	.00000	.00000	.00000	.00000	.00000	.00000	.00530	-.02000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00353	.00266

ARC 218-1-12 OA101 (OV102) (A2Q045) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RN/L =	5.000		

RUN NO. 225/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-22.892	.00000	.00000	.00000	.00000	.00000	.00000	.04280	-.02250
.252	-18.022	.00000	.00000	.00000	.00000	.00000	.00000	.02290	-.01790
.252	-15.082	.00000	.00000	.00000	.00000	.00000	.00000	.01310	-.01310
.251	-9.968	.00000	.00000	.00000	.00000	.00000	.00000	.03720	-.02220
.252	-4.898	.00000	.00000	.00000	.00000	.00000	.00000	.02830	-.01830
.251	-2.457	.00000	.00000	.00000	.00000	.00000	.00000	.00780	-.00770
.251	.028	.00000	.00000	.00000	.00000	.00000	.00000	.03020	-.03020
.251	2.622	.00000	.00000	.00000	.00000	.00000	.00000	.00770	-.03800
.250	5.073	.00000	.00000	.00000	.00000	.00000	.00000	.02760	-.03270
.252	10.138	.00000	.00000	.00000	.00000	.00000	.00000	.00110	-.03170
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00158	-.00327

ARC 218-1-12 OA101 (OV102) (A2Q046) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 208/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-7.927	.03470	.06140	.00290	.00370	-.00010	.04140	.00730	-.02200
.253	-5.459	.03220	.05970	.00260	.00330	-.00180	.04590	.00490	-.01950
.253	-.080	.02720	.05610	.00180	.00280	.00180	.05040	.02000	-.01500
.253	2.469	.02510	.05410	.00150	.00290	.00440	.05310	-.00210	-.01280
.253	5.723	.02170	.05050	.00110	.00330	.00200	.05440	.00000	-.01460
.252	7.188	.01930	.04950	.00070	.00350	.00070	.05460	.02250	-.03700
.253	8.830	.01520	.04130	.00030	.00310	-.00200	.05570	.00000	-.01470
.253	11.027	.01030	.03780	-.00010	.00220	-.00460	.05610	.01750	-.02730
.252	13.181	.00500	.03420	-.00020	.00130	-.00970	.05470	-.00230	-.02270
.252	16.642	-.01150	.02070	-.00400	.00050	-.01680	.05280	.00770	-.02250
.251	18.524	-.02080	.00510	-.00910	-.00120	-.02220	.05250	.01710	-.03670
	GRADIENT	-.00082	-.00078	-.00012	.00004	.00102	.00106	-.00867	.00086

ARC 218-1-12 OA101 (OV102) (A2Q047) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 234/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.137	.00000	.00000	.00000	.00000	.00000	.00000	.01440	-.02460
.251	-4.163	.00000	.00000	.00000	.00000	.00000	.00000	-.02030	-.01500
.251	-2.066	.00000	.00000	.00000	.00000	.00000	.00000	.00220	-.01730
.251	-1.043	.00000	.00000	.00000	.00000	.00000	.00000	-.01030	-.02010
.251	-.226	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00490
.251	.610	.00000	.00000	.00000	.00000	.00000	.00000	-.00270	.00270
.251	1.074	.00000	.00000	.00000	.00000	.00000	.00000	-.00300	-.02740
.251	2.090	.00000	.00000	.00000	.00000	.00000	.00000	-.01780	-.01250
.251	3.137	.00000	.00000	.00000	.00000	.00000	.00000	.01450	-.02460
.251	4.147	.00000	.00000	.00000	.00000	.00000	.00000	-.00780	-.01750
.251	6.185	.00000	.00000	.00000	.00000	.00000	.00000	.00720	-.02210
.251	8.227	.00000	.00000	.00000	.00000	.00000	.00000	.00710	-.02710
.251	10.204	.00000	.00000	.00000	.00000	.00000	.00000	.00240	-.00730
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00147	-.00054

ARC 218-1-12 0A101 (0V102) (A2Q048) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-22.800
RN/L =	5.000		

RUN NO. 233/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.146	.00000	.00000	.00000	.00000	.00000	.00000	-.01280	-.00750
.252	-4.171	.00000	.00000	.00000	.00000	.00000	.00000	-.01270	-.00740
.251	-2.095	.00000	.00000	.00000	.00000	.00000	.00000	.00960	-.01980
.251	-1.017	.00000	.00000	.00000	.00000	.00000	.00000	.01220	-.01710
.251	-.226	.00000	.00000	.00000	.00000	.00000	.00000	.00490	-.00490
.251	.598	.00000	.00000	.00000	.00000	.00000	.00000	-.00490	-.00490
.251	1.469	.00000	.00000	.00000	.00000	.00000	.00000	-.00280	-.01740
.251	2.091	.00000	.00000	.00000	.00000	.00000	.00000	-.00280	-.01740
.251	3.149	.00000	.00000	.00000	.00000	.00000	.00000	-.00520	-.01010
.251	4.138	.00000	.00000	.00000	.00000	.00000	.00000	-.00500	-.01480
.251	6.181	.00000	.00000	.00000	.00000	.00000	.00000	-.00500	-.00990
.251	8.201	.00000	.00000	.00000	.00000	.00000	.00000	-.01020	-.00490
.251	10.200	.00000	.00000	.00000	.00000	.00000	.00000	-.00720	-.02700
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00050	-.00031

ARC 218-1-12 0A101 (0V102) (A2Q049) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 211/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-7.937	.00000	.00000	.00000	.00000	.00000	.00000	-.00250	-.01230
.252	-5.544	.00000	.00000	.00000	.00000	.00000	.00000	.00280	-.02740
.252	-.140	.00000	.00000	.00000	.00000	.00000	.00000	-.00460	-.02500
.252	2.433	.00000	.00000	.00000	.00000	.00000	.00000	.00770	-.02740
.252	5.764	.00000	.00000	.00000	.00000	.00000	.00000	.00770	-.02250
.252	8.950	.00000	.00000	.00000	.00000	.00000	.00000	-.00770	-.02730
.252	11.035	.00000	.00000	.00000	.00000	.00000	.00000	-.00730	-.03260
.252	13.158	.00000	.00000	.00000	.00000	.00000	.00000	.01790	-.04250
.252	16.249	.00000	.00000	.00000	.00000	.00000	.00000	.02210	-.02190
.251	18.496	.00000	.00000	.00000	.00000	.00000	.00000	.00530	-.02000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00478	-.00093

ARC 218-1-12 0A101 (0V102) (A2Q050) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 212/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-7.799	.00000	.00000	.00000	.00000	.00000	.00000	.00540	-.00520
.252	-5.335	.00000	.00000	.00000	.00000	.00000	.00000	.02010	-.01980
.252	-.101	.00000	.00000	.00000	.00000	.00000	.00000	.01010	-.03470
.252	2.526	.00000	.00000	.00000	.00000	.00000	.00000	.01560	-.02520
.252	5.723	.00000	.00000	.00000	.00000	.00000	.00000	.00270	-.03240
.252	7.377	.00000	.00000	.00000	.00000	.00000	.00000	.03950	-.05420
.252	8.940	.00000	.00000	.00000	.00000	.00000	.00000	.01060	-.03510
.252	11.136	.00000	.00000	.00000	.00000	.00000	.00000	.00770	-.02250
.252	13.313	.00000	.00000	.00000	.00000	.00000	.00000	.01270	-.02240
.252	16.362	.00000	.00000	.00000	.00000	.00000	.00000	.01750	-.02730
.250	18.593	.00000	.00000	.00000	.00000	.00000	.00000	.01060	-.03510
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00209	.00362

ARC 218-1-12 0A101 (0V102) (A2Q051) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 213/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-7.716	.00000	.00000	.00000	.00000	.00000	.00000	.02780	-.02270
.252	-5.429	.00000	.00000	.00000	.00000	.00000	.00000	.02010	-.01990
.252	-.015	.00000	.00000	.00000	.00000	.00000	.00000	.01550	-.02530
.252	2.544	.00000	.00000	.00000	.00000	.00000	.00000	-.00210	-.01270
.253	5.796	.00000	.00000	.00000	.00000	.00000	.00000	.01760	-.01740
.252	7.245	.00000	.00000	.00000	.00000	.00000	.00000	.00530	-.01510
.252	8.990	.00000	.00000	.00000	.00000	.00000	.00000	.00330	-.01800
.252	11.174	.00000	.00000	.00000	.00000	.00000	.00000	.01100	-.02090
.252	13.300	.00000	.00000	.00000	.00000	.00000	.00000	.00320	-.02290
.251	16.490	.00000	.00000	.00000	.00000	.00000	.00000	.01550	-.03020
.250	18.657	.00000	.00000	.00000	.00000	.00000	.00000	.04000	-.04480
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00688	.00492

ARC 218-1-12 OA101 (OV102) (A20052) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 219/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-11.627	.00000	.00000	.00000	.00000	.00000	.00000	-.00410	-.01560
.252	-7.921	.00000	.00000	.00000	.00000	.00000	.00000	.00510	-.02510
.252	-6.056	.00000	.00000	.00000	.00000	.00000	.00000	-.00210	-.01280
.251	-3.072	.00000	.00000	.00000	.00000	.00000	.00000	.01990	-.03470
.251	-.010	.00000	.00000	.00000	.00000	.00000	.00000	.02240	-.03710
.251	3.144	.00000	.00000	.00000	.00000	.00000	.00000	.01010	-.03470
.250	6.020	.00000	.00000	.00000	.00000	.00000	.00000	.00310	-.02290
.251	8.071	.00000	.00000	.00000	.00000	.00000	.00000	.01010	-.02990
.251	12.150	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.03480
.251	16.406	.00000	.00000	.00000	.00000	.00000	.00000	.00040	-.02000
.251	22.488	.00000	.00000	.00000	.00000	.00000	.00000	.01980	-.03480
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00159	.00000

ARC 218-1-12 OA101 (OV102) (A20053) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 175/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.250	-11.704	.02240	.05430	.00140	.00370	.03020	.07980	-.00450	-.01510
.251	-8.018	.02220	.05320	.00120	.00360	.02520	.08270	.00990	.00010
.250	-6.045	.02230	.05310	.00120	.00350	.02080	.08460	.01510	-.02970
.250	-2.944	.02220	.05240	.00120	.00330	.01430	.08610	.02740	-.02230
.250	.119	.02210	.05090	.00110	.00330	.00320	.08880	.01300	-.02780
.250	3.033	.02180	.04980	.00110	.00330	-.01220	.09070	.00250	-.01220
.251	6.010	.02170	.04830	.00110	.00330	-.02170	.09110	.04420	-.05930
.250	8.092	.02160	.04800	.00110	.00340	-.02830	.09230	-.00260	.00270
.250	12.099	.02180	.04570	.00100	.00340	-.04330	.08880	.03750	-.05220
.251	16.424	.02120	.04300	.00110	.00360	-.06730	.08760	.00760	-.02260
.250	22.500	.02090	.03920	.00120	.00370	-.10170	.08480	.01990	-.03470
	GRADIENT	-.00007	-.00044	-.00002	.00000	-.00443	.00077	-.00417	.00166

ARC 218-1-12 OA101 (OV102) (A20054) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 187/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-11.713	.02250	.05310	.00120	.00350	.03230	.08110	.02570	.00530
.252	-8.028	.02250	.05210	.00110	.00340	.02490	.08550	-.03950	.06610
.252	-6.089	.02250	.05190	.00100	.00340	.02050	.08570	.11300	-.08730
.251	-2.955	.02220	.05130	.00090	.00320	.01490	.08770	.12550	-.10980
.251	-.071	.02210	.05060	.00090	.00330	.00650	.08840	-.03950	.05550
.251	3.013	.02200	.04880	.00090	.00320	-.00870	.09310	-.03660	.02660
.251	6.030	.02240	.04950	.00090	.00310	-.01760	.09400	-.07950	.08450
.251	8.092	.02240	.04820	.00090	.00330	-.02830	.09390	.05230	-.04140
.251	12.027	.02230	.04660	.00090	.00330	-.04590	.09240	.02480	-.05030
.251	16.469	.02190	.04410	.00090	.00340	-.06670	.09110	.02300	-.03830
.251	22.500	.02180	.04050	.00110	.00360	-.10100	.08960	-.08750	.09810
	GRADIENT	-.00003	-.00042	-.00000	-.00000	-.00397	.00091	-.02684	.02248

ARC 218-1-12 OA101 (OV102) (A20055) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 220/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-11.781	.00000	.00000	.00000	.00000	.00000	.00000	.00530	-.02000
.251	-8.132	.00000	.00000	.00000	.00000	.00000	.00000	.04280	-.06240
.251	-6.002	.00000	.00000	.00000	.00000	.00000	.00000	.01710	-.04240
.251	-3.008	.00000	.00000	.00000	.00000	.00000	.00000	.00530	-.02000
.251	-.050	.00000	.00000	.00000	.00000	.00000	.00000	.01300	-.02780
.251	3.043	.00000	.00000	.00000	.00000	.00000	.00000	.01510	-.02000
.251	5.920	.00000	.00000	.00000	.00000	.00000	.00000	-.00950	-.01040
.251	8.061	.00000	.00000	.00000	.00000	.00000	.00000	.05820	-.07310
.251	12.099	.00000	.00000	.00000	.00000	.00000	.00000	.00770	-.03230
.251	16.253	.00000	.00000	.00000	.00000	.00000	.00000	-.01220	-.03750
.251	22.500	.00000	.00000	.00000	.00000	.00000	.00000	.02730	-.05750
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00161	.00002

ARC 218-1-12 0A101 (0V102) (A2Q056) (01 FEB 78)

PEFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 271/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.250	-8.017	.00000	.00000	.00000	.00000	.00000	.00000	.01000	-.00470
.251	-5.552	.00000	.00000	.00000	.00000	.00000	.00000	.01430	-.02960
.251	-4.690	.00000	.00000	.00000	.00000	.00000	.00000	-.00250	-.01230
.251	-.161	.00000	.00000	.00000	.00000	.00000	.00000	.04090	.01580
.251	2.662	.00000	.00000	.00000	.00000	.00000	.00000	.01960	-.02440
.251	4.955	.00000	.00000	.00000	.00000	.00000	.00000	-.00260	-.00260
.251	5.617	.00000	.00000	.00000	.00000	.00000	.00000	.00510	-.00470
.251	7.123	.00000	.00000	.00000	.00000	.00000	.00000	.02210	-.02190
.251	8.847	.00000	.00000	.00000	.00000	.00000	.00000	.01720	-.01700
.251	11.042	.00000	.00000	.00000	.00000	.00000	.00000	.01950	-.01950
.250	13.227	.00000	.00000	.00000	.00000	.00000	.00000	-.00020	-.01490
.250	16.418	.00000	.00000	.00000	.00000	.00000	.00000	.00290	-.00690
.249	18.662	.00000	.00000	.00000	.00000	.00000	.00000	.00220	-.01730
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00012	-.00012

ARC 218-1-12 OA101 (OV102) (A2Q057) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 256/ 0 RN/L = 7.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.250	-8.100	.03620	.06430	.00270	.00350	.00850	-.01820	.01310	.00760
.252	-5.522	.03360	.06310	.00230	.00310	.00760	-.01780	.00280	-.00280
.252	-.130	.02850	.05830	.00160	.00270	.00830	-.01840	-.00510	-.01970
.251	2.684	.02590	.05630	.00130	.00280	.00840	-.01760	.01460	-.01960
.251	5.655	.02240	.05260	.00080	.00320	.00770	-.01720	-.00190	-.00320
.251	7.231	.01980	.05090	.00040	.00330	.00590	-.01660	-.00190	-.01300
.251	8.971	.01600	.04340	.00000	.00290	.00370	-.01620	-.00190	-.00320
.251	11.214	.01110	.03980	-.00040	.00190	.00130	-.01690	.00280	-.00760
.251	13.416	.00600	.03650	-.00040	.00120	-.00200	-.01500	.00290	-.01790
.250	16.709	-.00970	.02030	-.00380	.00050	-.01100	-.01470	-.00230	-.02310
.250	18.989	-.02010	.00260	-.00940	-.00220	-.01820	-.01450	-.00280	-.01740
	GRADIENT	-.00092	-.00071	-.00011	.00004	.00004	.00028	.00700	.00004

ARC 218-1-12 OA101 (OV102) (A2Q058) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 259/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.188	.00000	.00000	.00000	.00000	.00000	.00000	.00790	-.01290
.251	-4.182	.00000	.00000	.00000	.00000	.00000	.00000	.02470	-.02470
.251	-2.088	.00000	.00000	.00000	.00000	.00000	.00000	.00100	-.00100
.251	.045	.00000	.00000	.00000	.00000	.00000	.00000	-.01160	-.00800
.251	2.034	.00000	.00000	.00000	.00000	.00000	.00000	.01090	-.00560
.251	4.145	.00000	.00000	.00000	.00000	.00000	.00000	.00370	-.00370
.251	6.131	.00000	.00000	.00000	.00000	.00000	.00000	.00790	-.01290
.251	7.437	.00000	.00000	.00000	.00000	.00000	.00000	.01770	-.01770
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00158	.00180

ARC 218-1-12 0A101 (0V102) (A20059) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO		
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO		
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO		
SCALE =	.0500						

PARAMETRIC DATA

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

RUN NO. 260/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.348	.00000	.00000	.00000	.00000	.00000	.00000	.01480	-.00480
.251	-4.263	.00000	.00000	.00000	.00000	.00000	.00000	.01830	-.01290
.251	-3.175	.00000	.00000	.00000	.00000	.00000	.00000	-.01500	-.00540
.251	-2.101	.00000	.00000	.00000	.00000	.00000	.00000	.00340	.00700
.251	-1.080	.00000	.00000	.00000	.00000	.00000	.00000	.00570	-.00040
.250	-.002	.00000	.00000	.00000	.00000	.00000	.00000	.02690	-.04700
.251	.535	.00000	.00000	.00000	.00000	.00000	.00000	-.00790	.00300
.251	1.067	.00000	.00000	.00000	.00000	.00000	.00000	.01190	-.00100
.251	2.121	.00000	.00000	.00000	.00000	.00000	.00000	.02610	-.02110
.251	3.153	.00000	.00000	.00000	.00000	.00000	.00000	.01140	-.01140
.251	4.197	.00000	.00000	.00000	.00000	.00000	.00000	.01680	-.00590
.251	6.239	.00000	.00000	.00000	.00000	.00000	.00000	-.01560	-.01880
.251	8.210	.00000	.00000	.00000	.00000	.00000	.00000	-.01100	-.00870
.250	10.273	.00000	.00000	.00000	.00000	.00000	.00000	.03130	-.02630
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00181	-.00063

ARC 218-1-12 OA101 (OV102) (A20060) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 257/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.215	.02110	.05970	.00070	.00460	-.00100	-.00600	.02760	-.01720
.252	-4.235	.02140	.05740	.00070	.00400	.00250	-.01320	.03000	-.01970
.252	-2.124	.02190	.05590	.00080	.00360	.00420	-.01550	.01530	-.01000
.251	-1.084	.02240	.05460	.00080	.00340	.00350	-.01710	.01500	-.02010
.252	-.211	.02260	.05280	.00080	.00320	.00760	-.01760	.02700	-.02680
.252	.624	.02300	.05260	.00090	.00300	.00440	-.01790	.01730	-.01200
.252	1.104	.02320	.05200	.00090	.00290	.00650	-.01960	-.01480	.00970
.251	2.149	.02370	.05100	.00100	.00290	.00540	-.02170	.02490	-.01910
.251	3.197	.02380	.05010	.00100	.00270	.00490	-.02580	.01950	-.01950
.252	4.222	.02410	.04810	.00110	.00240	.00280	-.02770	.02200	-.02200
.252	6.274	.02480	.04740	.00130	.00220	.00450	-.03030	.00490	-.00490
.251	8.311	.02490	.04400	.00150	.00220	.00310	-.02740	.04160	-.03160
.251	10.317	.02470	.04130	.00160	.00160	.00030	-.02590	.00860	-.00860
	GRADIENT	.00034	-.00108	.00005	-.00018	.00013	-.00171	-.00074	-.00008

ARC 218-1-12 OA101 (OV102) (A2Q061) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 261/ 0 RN/L = 7.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.136	.00000	.00000	.00000	.00000	.00000	.00000	.00260	-.00230
.250	-4.157	.00000	.00000	.00000	.00000	.00000	.00000	-.00960	-.01510
.250	-2.053	.00000	.00000	.00000	.00000	.00000	.00000	.04720	-.05230
.250	-1.130	.00000	.00000	.00000	.00000	.00000	.00000	.02110	-.03580
.251	.008	.00000	.00000	.00000	.00000	.00000	.00000	-.00850	.01380
.251	.505	.00000	.00000	.00000	.00000	.00000	.00000	-.01710	-.01350
.250	1.001	.00000	.00000	.00000	.00000	.00000	.00000	-.00920	-.02580
.250	2.159	.00000	.00000	.00000	.00000	.00000	.00000	.02730	-.02710
.250	3.146	.00000	.00000	.00000	.00000	.00000	.00000	.00810	-.00780
.250	4.222	.00000	.00000	.00000	.00000	.00000	.00000	-.00430	-.00070
.251	6.199	.00000	.00000	.00000	.00000	.00000	.00000	.01040	-.02510
.251	8.292	.00000	.00000	.00000	.00000	.00000	.00000	.02980	-.03490
.251	10.266	.00000	.00000	.00000	.00000	.00000	.00000	.01280	-.01280
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00100	.00291

ARC 218-1-12 OA101 (OV102) (A2Q062) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 262/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.250	-5.776	.00000	.00000	.00000	.00000	.00000	.00000	.03530	-.04540
.251	-3.911	.00000	.00000	.00000	.00000	.00000	.00000	.03780	-.00250
.250	-2.069	.00000	.00000	.00000	.00000	.00000	.00000	.02000	-.00500
.251	-.012	.00000	.00000	.00000	.00000	.00000	.00000	.00010	.03090
.251	2.083	.00000	.00000	.00000	.00000	.00000	.00000	.03290	-.00260
.251	4.088	.00000	.00000	.00000	.00000	.00000	.00000	.01850	.00750
.251	6.130	.00000	.00000	.00000	.00000	.00000	.00000	.03090	.00520
.251	7.071	.00000	.00000	.00000	.00000	.00000	.00000	.03260	.00270
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00121	.00108

ARC 218-1-12 0A101 (0V102) (A2Q063) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 269/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-22.815	.00000	.00000	.00000	.00000	.00000	.00000	-.00490	-.01470
.251	-18.032	.00000	.00000	.00000	.00000	.00000	.00000	-.00250	-.01230
.251	-15.053	.00000	.00000	.00000	.00000	.00000	.00000	-.01280	-.00750
.251	-10.042	.00000	.00000	.00000	.00000	.00000	.00000	.01700	-.04650
.251	-4.939	.00000	.00000	.00000	.00000	.00000	.00000	.01460	-.01960
.251	-2.417	.00000	.00000	.00000	.00000	.00000	.00000	.00310	-.00310
.251	.019	.00000	.00000	.00000	.00000	.00000	.00000	.01020	-.01020
.251	2.518	.00000	.00000	.00000	.00000	.00000	.00000	.02250	-.02240
.251	5.102	.00000	.00000	.00000	.00000	.00000	.00000	.00730	-.02200
.251	10.050	.00000	.00000	.00000	.00000	.00000	.00000	.02930	-.02930
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00123	-.00061

ARC 218-1-12 0A101 (0V102) (A2Q064) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 265/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-22.796	.00000	.00000	.00000	.00000	.00000	.00000	-.00010	.00520
.251	-18.075	.00000	.00000	.00000	.00000	.00000	.00000	.03220	.00280
.251	-14.955	.00000	.00000	.00000	.00000	.00000	.00000	.01280	.00720
.251	-9.999	.00000	.00000	.00000	.00000	.00000	.00000	.01230	-.00230
.251	-4.960	.00000	.00000	.00000	.00000	.00000	.00000	.03500	-.01940
.251	-2.497	.00000	.00000	.00000	.00000	.00000	.00000	.01510	-.00500
.251	.085	.00000	.00000	.00000	.00000	.00000	.00000	.02740	-.00740
.251	2.594	.00000	.00000	.00000	.00000	.00000	.00000	.05200	-.03100
.251	5.111	.00000	.00000	.00000	.00000	.00000	.00000	.01230	-.01700
.251	10.305	.00000	.00000	.00000	.00000	.00000	.00000	.00240	-.00240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00253	-.00149

ARC 218-1-12 OA101 (OV102) (A20065) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 255/ 0 RN/L = 7.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-22.825	.02340	.05330	.00100	.00330	-.00010	-.07570	.02480	-.02960
.251	-18.022	.02340	.05310	.00100	.00330	.00380	-.05710	.01470	-.02440
.251	-14.975	.02340	.05280	.00090	.00320	.00190	-.04140	.00520	-.01500
.251	-9.968	.02340	.05360	.00100	.00310	.00540	-.01990	.00760	-.00760
.251	-4.836	.02330	.05300	.00100	.00320	.00410	-.02070	.03210	-.03700
.251	-2.367	.02330	.05290	.00100	.00310	.00800	-.01670	.02930	-.04400
.250	.095	.02360	.05330	.00090	.00320	.00600	-.01200	.01990	-.03450
.251	2.565	.02340	.05330	.00100	.00310	.00780	-.00930	-.00460	-.01010
.251	5.140	.02340	.05340	.00100	.00320	.00490	.00530	.00490	-.00980
.251	10.148	.02360	.05370	.00100	.00320	.00360	.02900	.01740	-.01740
	GRADIENT	.00002	.00005	-.00000	-.00001	.00037	.00158	-.00485	.00366

ARC 218-1-12 OA101 (OV102) (A20066) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 266/ 0 RN/L = 7.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-22.902	.00000	.00000	.00000	.00000	.00000	.00000	.01990	-.01990
.251	-17.957	.00000	.00000	.00000	.00000	.00000	.00000	.02200	-.02200
.251	-14.883	.00000	.00000	.00000	.00000	.00000	.00000	.02680	-.03190
.251	-10.116	.00000	.00000	.00000	.00000	.00000	.00000	.01050	.00010
.251	-4.888	.00000	.00000	.00000	.00000	.00000	.00000	.01500	-.01500
.251	-2.407	.00000	.00000	.00000	.00000	.00000	.00000	.02000	-.01970
.251	.038	.00000	.00000	.00000	.00000	.00000	.00000	.00780	-.00750
.251	2.565	.00000	.00000	.00000	.00000	.00000	.00000	.00970	-.01480
.251	5.130	.00000	.00000	.00000	.00000	.00000	.00000	-.00050	-.02500
.251	9.992	.00000	.00000	.00000	.00000	.00000	.00000	.01260	-.00700
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00113	.00051

ARC 218-1-12 OA101 (OV102) (A2Q067) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 267/ 0 RN/L = 7.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.250	-22.708	.00000	.00000	.00000	.00000	.00000	.00000	.01470	-.00970
.250	-18.075	.00000	.00000	.00000	.00000	.00000	.00000	.03470	-.01900
.251	-15.053	.00000	.00000	.00000	.00000	.00000	.00000	.03180	-.03170
.250	-9.936	.00000	.00000	.00000	.00000	.00000	.00000	.03940	-.02410
.250	-4.764	.00000	.00000	.00000	.00000	.00000	.00000	.01990	-.00450
.250	-2.407	.00000	.00000	.00000	.00000	.00000	.00000	.03020	-.01950
.250	.057	.00000	.00000	.00000	.00000	.00000	.00000	.02250	-.00680
.250	2.575	.00000	.00000	.00000	.00000	.00000	.00000	.03440	-.02910
.250	5.083	.00000	.00000	.00000	.00000	.00000	.00000	.05940	-.02940
.250	9.943	.00000	.00000	.00000	.00000	.00000	.00000	.03420	-.03910
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00146	-.00250

ARC 218-1-12 OA101 (OV102) (A2Q068) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 17.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = .000
RN/L = 8.000

RUN NO. 268/ 0 RN/L = 7.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.249	-22.863	.00000	.00000	.00000	.00000	.00000	.00000	.02460	-.00960
.249	-18.032	.00000	.00000	.00000	.00000	.00000	.00000	-.01070	.03130
.249	-15.043	.00000	.00000	.00000	.00000	.00000	.00000	-.00520	.00540
.250	-9.957	.00000	.00000	.00000	.00000	.00000	.00000	.03720	-.03210
.250	-4.909	.00000	.00000	.00000	.00000	.00000	.00000	.01740	-.01190
.249	-2.467	.00000	.00000	.00000	.00000	.00000	.00000	.01760	-.01740
.250	.028	.00000	.00000	.00000	.00000	.00000	.00000	.01190	-.03210
.249	2.603	.00000	.00000	.00000	.00000	.00000	.00000	.01030	-.00530
.249	5.102	.00000	.00000	.00000	.00000	.00000	.00000	.01720	-.02680
.250	10.001	.00000	.00000	.00000	.00000	.00000	.00000	.01950	-.03420
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00108	.00024

ARC 218-1-12 OA101 (OV102) (A2Q069) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 264/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-8.115	.00000	.00000	.00000	.00000	.00000	.00000	.00990	-.00970
.251	-5.615	.00000	.00000	.00000	.00000	.00000	.00000	-.00530	-.01510
.251	-.132	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.01470
.251	2.685	.00000	.00000	.00000	.00000	.00000	.00000	.00480	-.02450
.251	5.675	.00000	.00000	.00000	.00000	.00000	.00000	.02020	-.03970
.251	7.245	.00000	.00000	.00000	.00000	.00000	.00000	.01420	-.04440
.251	8.980	.00000	.00000	.00000	.00000	.00000	.00000	.00720	-.02700
.251	11.221	.00000	.00000	.00000	.00000	.00000	.00000	.00470	-.01490
.251	13.427	.00000	.00000	.00000	.00000	.00000	.00000	-.00530	-.01510
.250	16.676	.00000	.00000	.00000	.00000	.00000	.00000	.00750	.00750
.247	18.959	.00000	.00000	.00000	.00000	.00000	.00000	.02200	-.02200
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00170	-.00348

ARC 218-1-12 OA101 (OV102) (A2Q070) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 258/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.274	.00000	.00000	.00000	.00000	.00000	.00000	.01740	-.01740
.251	-4.234	.00000	.00000	.00000	.00000	.00000	.00000	.01010	-.00510
.251	-2.113	.00000	.00000	.00000	.00000	.00000	.00000	.01060	-.00040
.251	-1.085	.00000	.00000	.00000	.00000	.00000	.00000	.01580	-.00080
.251	-.228	.00000	.00000	.00000	.00000	.00000	.00000	.01770	-.01770
.251	.626	.00000	.00000	.00000	.00000	.00000	.00000	-.00150	.00150
.251	1.100	.00000	.00000	.00000	.00000	.00000	.00000	.00340	-.00830
.252	2.124	.00000	.00000	.00000	.00000	.00000	.00000	.00850	-.00320
.252	3.207	.00000	.00000	.00000	.00000	.00000	.00000	.00410	-.00390
.252	4.214	.00000	.00000	.00000	.00000	.00000	.00000	.01980	-.02490
.252	6.280	.00000	.00000	.00000	.00000	.00000	.00000	.00300	.00230
.251	8.306	.00000	.00000	.00000	.00000	.00000	.00000	-.00720	.00230
.251	10.286	.00000	.00000	.00000	.00000	.00000	.00000	.00410	-.00390
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00008	-.00142

ARC 218-1-12 OA101 (OV102) (A2Q071) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	.000
RN/L =	8.000		

RUN NO. 270/ 0 RN/L = 7.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-22.787	.00000	.00000	.00000	.00000	.00000	.00000	-.00800	.00800
.251	-17.946	.00000	.00000	.00000	.00000	.00000	.00000	.00730	-.00730
.251	-14.995	.00000	.00000	.00000	.00000	.00000	.00000	.02040	-.00980
.251	-9.936	.00000	.00000	.00000	.00000	.00000	.00000	-.02640	.02130
.251	-4.898	.00000	.00000	.00000	.00000	.00000	.00000	-.00830	.01830
.251	-2.407	.00000	.00000	.00000	.00000	.00000	.00000	.01710	-.01710
.251	-.039	.00000	.00000	.00000	.00000	.00000	.00000	.04500	-.00960
.251	2.613	.00000	.00000	.00000	.00000	.00000	.00000	.02710	-.04190
.251	5.045	.00000	.00000	.00000	.00000	.00000	.00000	.00470	-.01490
.251	10.080	.00000	.00000	.00000	.00000	.00000	.00000	.01950	-.01950
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00530	-.00700

ARC 218-1-12 OA101 (OV102) (A2Q072) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILPON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 263/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-7.952	.00000	.00000	.00000	.00000	.00000	.00000	.02070	.01030
.252	-5.661	.00000	.00000	.00000	.00000	.00000	.00000	.04590	.00610
.252	-.114	.00000	.00000	.00000	.00000	.00000	.00000	.00870	.01230
.251	2.144	.00000	.00000	.00000	.00000	.00000	.00000	-.00250	.02820
.251	2.687	.00000	.00000	.00000	.00000	.00000	.00000	.02780	-.00640
.252	5.558	.00000	.00000	.00000	.00000	.00000	.00000	.00230	-.01230
.252	7.247	.00000	.00000	.00000	.00000	.00000	.00000	.01240	-.01200
.252	8.981	.00000	.00000	.00000	.00000	.00000	.00000	.01020	.02080
.252	11.207	.00000	.00000	.00000	.00000	.00000	.00000	.00520	-.00520
.252	13.473	.00000	.00000	.00000	.00000	.00000	.00000	.07330	-.06830
.250	16.716	.00000	.00000	.00000	.00000	.00000	.00000	.01280	-.00190
.250	18.770	.00000	.00000	.00000	.00000	.00000	.00000	.02670	-.03690
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00337	-.00266

ARC 218-1-12 OA101 (OV102) (A2Q073) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 254/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-11.704	.02320	.05600	.00100	.00330	.03540	-.01710	-.00190	-.00810
.251	-9.175	.02370	.05620	.00110	.00330	.03030	-.01740	.00280	-.00280
.252	-6.035	.02350	.05520	.00100	.00320	.02400	-.01690	.00520	-.01010
.253	-3.019	.02300	.05440	.00090	.00310	.01420	-.01700	.00050	-.03000
.253	.030	.02310	.05270	.00090	.00300	.00580	-.01680	.00570	-.00040
.252	3.064	.02330	.05250	.00090	.00310	-.00780	-.01700	.01000	-.01510
.252	6.010	.02300	.05070	.00080	.00310	-.01820	-.01620	.01500	-.01500
.251	8.051	.02300	.05010	.00090	.00320	-.02690	-.01640	.00520	-.00520
.251	12.068	.02280	.04780	.00100	.00320	-.04500	-.01570	.02230	-.02720
.252	16.541	.02260	.04580	.00090	.00330	-.06400	-.01650	.00730	-.00730
.252	22.500	.02240	.04120	.00100	.00370	-.09820	-.01550	.01250	-.01740
	GRADIENT	.00005	-.00031	.00000	-.00000	-.00362	.00000	.00156	.00246

ARC 218-1-12 OA101 (OV102) (A2C074) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 286/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.248	-7.934	.00000	.00000	.00000	.00000	.00000	.00000	-.01430	-.00050
.249	-5.501	.00000	.00000	.00000	.00000	.00000	.00000	-.00180	-.00310
.248	-.125	.00000	.00000	.00000	.00000	.00000	.00000	.01250	-.02720
.248	2.681	.00000	.00000	.00000	.00000	.00000	.00000	.03000	-.02500
.248	5.612	.00000	.00000	.00000	.00000	.00000	.00000	-.00250	-.01720
.248	7.124	.00000	.00000	.00000	.00000	.00000	.00000	-.00260	-.01730
.248	8.814	.00000	.00000	.00000	.00000	.00000	.00000	.01710	-.02690
.248	10.995	.00000	.00000	.00000	.00000	.00000	.00000	.01940	-.03920
.247	13.188	.00000	.00000	.00000	.00000	.00000	.00000	-.00270	-.02220
.247	16.392	.00000	.00000	.00000	.00000	.00000	.00000	.01970	-.00960
.246	18.591	.00000	.00000	.00000	.00000	.00000	.00000	.03180	-.03180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00624	.00078

ARC 218-1-12 OA101 (OV102) (A2Q075) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 287/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.248	-7.739	.00000	.00000	.00000	.00000	.00000	.00000	-.00010	-.02030
.248	-5.536	.00000	.00000	.00000	.00000	.00000	.00000	-.00950	-.02050
.248	-.090	.00000	.00000	.00000	.00000	.00000	.00000	-.01190	-.00830
.248	2.691	.00000	.00000	.00000	.00000	.00000	.00000	.00260	-.01760
.248	5.489	.00000	.00000	.00000	.00000	.00000	.00000	.01030	-.02520
.248	7.131	.00000	.00000	.00000	.00000	.00000	.00000	.01990	-.01490
.248	8.815	.00000	.00000	.00000	.00000	.00000	.00000	.00790	-.02760
.248	11.030	.00000	.00000	.00000	.00000	.00000	.00000	.02230	-.02230
.248	13.216	.00000	.00000	.00000	.00000	.00000	.00000	.01500	-.01990
.247	16.399	.00000	.00000	.00000	.00000	.00000	.00000	.00790	-.02760
.248	18.434	.00000	.00000	.00000	.00000	.00000	.00000	-.00230	-.02740
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00521	-.00334

ARC 218-1-12 OA101 (OV102) (A20076) (01 FEB 78)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO
SCALE	=	.0500					

PARAMETRIC DATA

ALPHA	= 5.000	ELEVON	= .000
AILRON	= .000	BDFLAP	= .000
SPDBRK	= 7.500	RUDDER	= .000
RN/L	= 5.000		

RUN NO. 289/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.254	-6.172	.00000	.00000	.00000	.00000	.00000	.00000	.01720	-.01210
.255	-4.161	.00000	.00000	.00000	.00000	.00000	.00000	.00740	-.01220
.254	-2.107	.00000	.00000	.00000	.00000	.00000	.00000	.01720	-.02190
.255	-1.044	.00000	.00000	.00000	.00000	.00000	.00000	.00750	-.00720
.255	-.235	.00000	.00000	.00000	.00000	.00000	.00000	.01220	-.02200
.255	.608	.00000	.00000	.00000	.00000	.00000	.00000	.03180	-.03170
.255	1.073	.00000	.00000	.00000	.00000	.00000	.00000	.01230	-.01700
.254	2.099	.00000	.00000	.00000	.00000	.00000	.00000	.00290	-.00770
.254	3.159	.00000	.00000	.00000	.00000	.00000	.00000	.02200	-.02680
.254	4.151	.00000	.00000	.00000	.00000	.00000	.00000	.02490	-.02970
.254	6.208	.00000	.00000	.00000	.00000	.00000	.00000	.00280	-.01270
.255	8.217	.00000	.00000	.00000	.00000	.00000	.00000	.01960	-.01950
.254	10.221	.00000	.00000	.00000	.00000	.00000	.00000	.01750	-.02730
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00145	-.00151

ARC 218-1-12 OA101 (OV102) (A2Q077) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = -5.000
RN/L = 5.000

RUN NO. 290/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.254	-6.214	.00000	.00000	.00000	.00000	.00000	.00000	.02690	-.02680
.254	-4.164	.00000	.00000	.00000	.00000	.00000	.00000	.02250	-.01740
.254	-2.069	.00000	.00000	.00000	.00000	.00000	.00000	.01270	-.01260
.254	-1.046	.00000	.00000	.00000	.00000	.00000	.00000	.01220	-.01710
.254	-.216	.00000	.00000	.00000	.00000	.00000	.00000	.02250	-.01740
.253	.608	.00000	.00000	.00000	.00000	.00000	.00000	.01540	-.00500
.254	1.075	.00000	.00000	.00000	.00000	.00000	.00000	.01020	-.01020
.254	2.100	.00000	.00000	.00000	.00000	.00000	.00000	.01730	-.01200
.254	3.157	.00000	.00000	.00000	.00000	.00000	.00000	.01730	-.01200
.254	4.131	.00000	.00000	.00000	.00000	.00000	.00000	.02220	-.01690
.254	6.200	.00000	.00000	.00000	.00000	.00000	.00000	.00530	-.00510
.254	8.231	.00000	.00000	.00000	.00000	.00000	.00000	.02950	-.02420
.254	10.212	.00000	.00000	.00000	.00000	.00000	.00000	.02200	-.02200
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00009	.00039

ARC 218-1-12 OA101 (OV102) (A2Q078) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = -5.000
RN/L = 5.000

RUN NO. 288/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.249	-7.919	.00000	.00000	.00000	.00000	.00000	.00000	.01500	-.01490
.249	-5.500	.00000	.00000	.00000	.00000	.00000	.00000	.00540	.00470
.249	-.123	.00000	.00000	.00000	.00000	.00000	.00000	-.00230	.00730
.249	2.691	.00000	.00000	.00000	.00000	.00000	.00000	.02000	-.01480
.249	5.615	.00000	.00000	.00000	.00000	.00000	.00000	.01260	-.00750
.253	7.109	.00000	.00000	.00000	.00000	.00000	.00000	-.00430	.00950
.254	8.796	.00000	.00000	.00000	.00000	.00000	.00000	.00030	-.00520
.253	13.213	.00000	.00000	.00000	.00000	.00000	.00000	.00730	-.02200
.252	16.402	.00000	.00000	.00000	.00000	.00000	.00000	.00280	-.02230
.253	18.656	.00000	.00000	.00000	.00000	.00000	.00000	.00500	-.04450
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00792	-.00785

ARC 218-1-12 OA101 (OV102) (A2Q079) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 7.500
RN/L = 5.000

RUN NO. 291/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-22.949	.00000	.00000	.00000	.00000	.00000	.00000	.01810	-.00210
.254	-18.000	.00000	.00000	.00000	.00000	.00000	.00000	-.00230	.01260
.253	-15.130	.00000	.00000	.00000	.00000	.00000	.00000	.00980	-.00480
.253	-9.968	.00000	.00000	.00000	.00000	.00000	.00000	.02470	-.01930
.254	-5.010	.00000	.00000	.00000	.00000	.00000	.00000	.02370	-.01310
.253	-2.497	.00000	.00000	.00000	.00000	.00000	.00000	.03590	-.03590
.254	.019	.00000	.00000	.00000	.00000	.00000	.00000	.03380	-.02340
.253	2.565	.00000	.00000	.00000	.00000	.00000	.00000	.03090	-.01560
.254	5.102	.00000	.00000	.00000	.00000	.00000	.00000	.03760	-.02760
.254	10.089	.00000	.00000	.00000	.00000	.00000	.00000	.01060	.00440
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00099	.00401

ARC 218-1-12 OA101 (OV102) (A2Q080) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 15.000 RUDDER = .000
RN/L = 5.000

RUN NO. 317/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-7.959	.00000	.00000	.00000	.00000	.00000	.00000	.01000	.01000
.253	-5.468	.00000	.00000	.00000	.00000	.00000	.00000	.01740	.01260
.252	-.080	.00000	.00000	.00000	.00000	.00000	.00000	.02970	.00030
.253	2.682	.00000	.00000	.00000	.00000	.00000	.00000	.02480	.00520
.253	4.994	.00000	.00000	.00000	.00000	.00000	.00000	.02980	.01520
.254	7.064	.00000	.00000	.00000	.00000	.00000	.00000	.03730	.00800
.254	8.779	.00000	.00000	.00000	.00000	.00000	.00000	.02500	.01030
.254	10.965	.00000	.00000	.00000	.00000	.00000	.00000	.02480	.01020
.254	13.167	.00000	.00000	.00000	.00000	.00000	.00000	.02980	.01020
.253	16.363	.00000	.00000	.00000	.00000	.00000	.00000	.02000	.01510
.252	18.591	.00000	.00000	.00000	.00000	.00000	.00000	.03470	.01030
	GRADIENT	00000	.00000	.00000	.00000	.00000	.00000	-.00004	.00290

ARC 218-1-12 0A101 (0V102) (A2Q081) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	15.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 321/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.254	-7.908	.00000	.00000	.00000	.00000	.00000	.00000	.02250	-.01250
.253	-5.491	.00000	.00000	.00000	.00000	.00000	.00000	.04010	-.02510
.254	-.089	.00000	.00000	.00000	.00000	.00000	.00000	.01750	.00280
.253	2.641	.00000	.00000	.00000	.00000	.00000	.00000	.01470	-.01470
.253	5.569	.00000	.00000	.00000	.00000	.00000	.00000	.03470	.00050
.253	7.072	.00000	.00000	.00000	.00000	.00000	.00000	.04530	-.00520
.254	8.813	.00000	.00000	.00000	.00000	.00000	.00000	.03710	.00290
.253	10.995	.00000	.00000	.00000	.00000	.00000	.00000	.02980	.00540
.253	13.198	.00000	.00000	.00000	.00000	.00000	.00000	.04240	-.00730
.253	16.387	.00000	.00000	.00000	.00000	.00000	.00000	.03220	.00290
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00103	-.00641

ARC 218-1-12 0A101 (0V102) (A2Q082) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 319/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.254	-6.110	.00000	.00000	.00000	.00000	.00000	.00000	.02260	-.01240
.254	-4.155	.00000	.00000	.00000	.00000	.00000	.00000	.02480	.00520
.254	-2.093	.00000	.00000	.00000	.00000	.00000	.00000	.02730	.00770
.254	-1.037	.00000	.00000	.00000	.00000	.00000	.00000	.02970	.00530
.254	-.202	.00000	.00000	.00000	.00000	.00000	.00000	.03310	.00690
.254	.647	.00000	.00000	.00000	.00000	.00000	.00000	.02220	-.00720
.254	1.052	.00000	.00000	.00000	.00000	.00000	.00000	.02700	-.01690
.253	2.090	.00000	.00000	.00000	.00000	.00000	.00000	.02050	-.01540
.254	3.136	.00000	.00000	.00000	.00000	.00000	.00000	.02590	-.02070
.254	4.137	.00000	.00000	.00000	.00000	.00000	.00000	.02540	-.01540
.254	6.192	.00000	.00000	.00000	.00000	.00000	.00000	.02220	-.00720
.254	8.207	.00000	.00000	.00000	.00000	.00000	.00000	.01470	-.01950
.253	10.211	.00000	.00000	.00000	.00000	.00000	.00000	.03200	-.01200
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00036	-.00384

ARC 218-1-12 0A101 (OV102) (A2Q083) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 15.000 RUDDER = .000
RN/L = 5.000

RUN NO. 318/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-7.766	.00000	.00000	.00000	.00000	.00000	.00000	.01230	.01770
.255	-5.525	.00000	.00000	.00000	.00000	.00000	.00000	.02470	-.00470
.254	-.071	.00000	.00000	.00000	.00000	.00000	.00000	.00750	.00260
.254	2.724	.00000	.00000	.00000	.00000	.00000	.00000	.02480	.01020
.254	5.479	.00000	.00000	.00000	.00000	.00000	.00000	.01980	.00520
.254	7.107	.00000	.00000	.00000	.00000	.00000	.00000	.02260	.00740
.254	8.771	.00000	.00000	.00000	.00000	.00000	.00000	.01490	.01010
.254	11.003	.00000	.00000	.00000	.00000	.00000	.00000	.01730	.00270
.253	13.205	.00000	.00000	.00000	.00000	.00000	.00000	.02980	.01020
.253	16.396	.00000	.00000	.00000	.00000	.00000	.00000	.02230	.00270
.253	18.421	.00000	.00000	.00000	.00000	.00000	.00000	.02720	-.00220
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00619	.00272

ARC 218-1-12 0A101 (OV102) (A2Q084) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 322/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-22.882	.00000	.00000	.00000	.00000	.00000	.00000	.01480	-.00480
.253	-18.011	.00000	.00000	.00000	.00000	.00000	.00000	.02970	.00030
.253	-14.965	.00000	.00000	.00000	.00000	.00000	.00000	.00970	-.01480
.253	-9.978	.00000	.00000	.00000	.00000	.00000	.00000	.00720	-.01230
.253	-4.950	.00000	.00000	.00000	.00000	.00000	.00000	.00040	-.01510
.253	-2.477	.00000	.00000	.00000	.00000	.00000	.00000	.00720	-.01720
.253	-.020	.00000	.00000	.00000	.00000	.00000	.00000	.00220	-.01730
.253	2.546	.00000	.00000	.00000	.00000	.00000	.00000	.01740	.00270
.253	5.064	.00000	.00000	.00000	.00000	.00000	.00000	.01230	-.00720
.253	10.129	.00000	.00000	.00000	.00000	.00000	.00000	.01460	-.01960
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00186	.00216

ARC 218-1-12 OA101 (OV102) (A2Q085) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	15.000
RN/L =	5.000		

RUN NO. 323/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-22.863	.00000	.00000	.00000	.00000	.00000	.00000	.00990	.00510
.253	-18.108	.00000	.00000	.00000	.00000	.00000	.00000	.01730	-.00720
.253	-15.053	.00000	.00000	.00000	.00000	.00000	.00000	-.00010	-.00990
.253	-9.957	.00000	.00000	.00000	.00000	.00000	.00000	.01510	-.02000
.253	-4.980	.00000	.00000	.00000	.00000	.00000	.00000	.02990	-.01980
.253	-2.437	.00000	.00000	.00000	.00000	.00000	.00000	.02470	-.00470
.253	.076	.00000	.00000	.00000	.00000	.00000	.00000	.02250	-.01750
.253	2.575	.00000	.00000	.00000	.00000	.00000	.00000	.02450	-.01450
.253	5.064	.00000	.00000	.00000	.00000	.00000	.00000	.02700	-.01690
.253	10.129	.00000	.00000	.00000	.00000	.00000	.00000	.02490	-.02480
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00073	.00013

ARC 218-1-12 OA101 (OV102) (A2Q086) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	15.000
RN/L =	5.000		

RUN NO. 324/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-22.940	.00000	.00000	.00000	.00000	.00000	.00000	.00740	-.00230
.254	-18.097	.00000	.00000	.00000	.00000	.00000	.00000	.02090	-.02570
.253	-15.082	.00000	.00000	.00000	.00000	.00000	.00000	.02820	-.03300
.253	-9.957	.00000	.00000	.00000	.00000	.00000	.00000	.02050	-.02520
.254	-4.950	.00000	.00000	.00000	.00000	.00000	.00000	.00820	-.01790
.254	-2.437	.00000	.00000	.00000	.00000	.00000	.00000	.02460	-.00960
.253	.028	.00000	.00000	.00000	.00000	.00000	.00000	.02700	-.02190
.253	2.594	.00000	.00000	.00000	.00000	.00000	.00000	.02700	-.01690
.253	5.045	.00000	.00000	.00000	.00000	.00000	.00000	.01720	-.02190
.253	10.129	.00000	.00000	.00000	.00000	.00000	.00000	.02990	-.01980
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00234	-.00036

ARC 218-1-12 OA101 (OV102) (A2Q087) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN.	XO	
LREF =	474.8100	INCHES	YMRP =	.0000	IN.	YO	
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN.	ZO	
SCALE =	.0500						

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	15.000
RN/L =	5.000		

RUN NO. 325/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-22.863	.00000	.00000	.00000	.00000	.00000	.00000	.01510	-.01500
.253	-18.097	.00000	.00000	.00000	.00000	.00000	.00000	.01220	-.01220
.252	-14.995	.00000	.00000	.00000	.00000	.00000	.00000	.00740	-.00730
.252	-9.957	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00490
.253	-4.980	.00000	.00000	.00000	.00000	.00000	.00000	.00490	-.00980
.252	-2.457	.00000	.00000	.00000	.00000	.00000	.00000	.01710	-.02200
.253	.047	.00000	.00000	.00000	.00000	.00000	.00000	.00440	-.02980
.253	2.622	.00000	.00000	.00000	.00000	.00000	.00000	.01180	-.03220
.253	5.083	.00000	.00000	.00000	.00000	.00000	.00000	.03080	-.02070
.252	10.080	.00000	.00000	.00000	.00000	.00000	.00000	.03780	-.02260
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00032	-.00296

ARC 218-1-12 OA101 (OV102) (A2Q088) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN.	XO	
LREF =	474.8100	INCHES	YMRP =	.0000	IN.	YO	
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN.	ZO	
SCALE =	.0500						

PARAMETRIC DATA

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

RUN NO. 320/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-6.206	.00000	.00000	.00000	.00000	.00000	.00000	.01290	.01220
.253	-4.141	.00000	.00000	.00000	.00000	.00000	.00000	.03940	-.00940
.253	-2.084	.00000	.00000	.00000	.00000	.00000	.00000	.01500	.00520
.253	-1.039	.00000	.00000	.00000	.00000	.00000	.00000	.02960	-.00460
.253	-.183	.00000	.00000	.00000	.00000	.00000	.00000	.02010	-.00500
.253	.602	.00000	.00000	.00000	.00000	.00000	.00000	.02720	-.00210
.253	1.066	.00000	.00000	.00000	.00000	.00000	.00000	.03240	-.00730
.254	4.141	.00000	.00000	.00000	.00000	.00000	.00000	.03290	-.01280
.253	6.201	.00000	.00000	.00000	.00000	.00000	.00000	.02720	-.00220
.253	8.191	.00000	.00000	.00000	.00000	.00000	.00000	.04070	-.02060
.253	10.209	.00000	.00000	.00000	.00000	.00000	.00000	.03200	-.00700
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00011	-.00090

ARC 218-1-12 OA101 (OV102) (A20089) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO				
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO				
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO				
SCALE =	.0500						

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 307/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-7.995	.00000	.00000	.00000	.00000	.00000	.00000	.00960	-.01970
.253	-5.505	.00000	.00000	.00000	.00000	.00000	.00000	.01950	-.02930
.254	-.117	.00000	.00000	.00000	.00000	.00000	.00000	.01710	-.03180
.254	2.665	.00000	.00000	.00000	.00000	.00000	.00000	.01710	-.03180
.254	5.566	.00000	.00000	.00000	.00000	.00000	.00000	.01830	-.04290
.254	7.113	.00000	.00000	.00000	.00000	.00000	.00000	.00970	-.03430
.253	8.804	.00000	.00000	.00000	.00000	.00000	.00000	.01550	-.03510
.253	10.991	.00000	.00000	.00000	.00000	.00000	.00000	.00730	-.03180
.253	13.174	.00000	.00000	.00000	.00000	.00000	.00000	.02210	-.02190
.253	16.383	.00000	.00000	.00000	.00000	.00000	.00000	.01790	-.04250
.252	18.617	.00000	.00000	.00000	.00000	.00000	.00000	.01760	-.03210
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.90000	.00000

ARC 218-1-12 0A101 (0V102) (A20090) (01 FEB 78)

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	=	40.000	RUDDER = .000
SCALE	=	.0500						RN/L	=	5.000	

PARAMETRIC DATA

RUN NO. 315/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.202	.00000	.00000	.00000	.00000	.00000	.00000	.02620	.01650
.251	-4.064	.00000	.00000	.00000	.00000	.00000	.00000	.02000	-.00930
.251	-2.040	.00000	.00000	.00000	.00000	.00000	.00000	.01230	-.00730
.251	-1.023	.00000	.00000	.00000	.00000	.00000	.00000	.01490	-.00950
.252	-.203	.00000	.00000	.00000	.00000	.00000	.00000	.00980	-.00480
.251	.598	.00000	.00000	.00000	.00000	.00000	.00000	.01720	-.01220
.251	1.051	.00000	.00000	.00000	.00000	.00000	.00000	.01470	-.00970
.251	2.055	.00000	.00000	.00000	.00000	.00000	.00000	.00980	-.00980
.251	3.133	.00000	.00000	.00000	.00000	.00000	.00000	.00980	-.00980
.251	4.210	.00000	.00000	.00000	.00000	.00000	.00000	.01510	-.00440
.251	6.163	.00000	.00000	.00000	.00000	.00000	.00000	.01730	-.01200
.251	8.203	.00000	.00000	.00000	.00000	.00000	.00000	.01760	-.01230
.250	10.213	.00000	.00000	.00000	.00000	.00000	.00000	.02270	-.00240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00065	.00015

ARC 218-1-12 0A101 (0V102) (A20091) (01 FEB 78)

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	SPDBRK = 40.000
SCALE	=	.0500						RN/L	=	5.000	

PARAMETRIC DATA

RUN NO. 316/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.250	-22.911	.00000	.00000	.00000	.00000	.00000	.00000	.02290	.00210
.251	-18.043	.00000	.00000	.00000	.00000	.00000	.00000	.02070	-.00070
.251	-15.024	.00000	.00000	.00000	.00000	.00000	.00000	.00480	.01020
.251	-10.010	.00000	.00000	.00000	.00000	.00000	.00000	.01730	.00270
.251	-4.929	.00000	.00000	.00000	.00000	.00000	.00000	.03720	-.00680
.251	-2.437	.00000	.00000	.00000	.00000	.00000	.00000	.02950	-.01450
.251	.047	.00000	.00000	.00000	.00000	.00000	.00000	.02230	-.01190
.252	2.575	.00000	.00000	.00000	.00000	.00000	.00000	.01970	-.00970
.253	5.092	.00000	.00000	.00000	.00000	.00000	.00000	.02020	-.00490
.254	10.138	.00000	.00000	.00000	.00000	.00000	.00000	.02950	-.01450
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00239	-.00024

ARC 218-1-12 OA101 (OV102) (A2Q092) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 314/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-6.052	.00000	.00000	.00000	.00000	.00000	.00000	.02580	.01050
.253	-4.141	.00000	.00000	.00000	.00000	.00000	.00000	.01250	-.00220
.253	-2.044	.00000	.00000	.00000	.00000	.00000	.00000	.02730	-.01730
.253	-1.002	.00000	.00000	.00000	.00000	.00000	.00000	.00240	-.01710
.253	-.184	.00000	.00000	.00000	.00000	.00000	.00000	.02550	.00050
.252	.579	.00000	.00000	.00000	.00000	.00000	.00000	.03800	.00740
.252	1.015	.00000	.00000	.00000	.00000	.00000	.00000	.01010	-.01500
.253	2.072	.00000	.00000	.00000	.00000	.00000	.00000	.03240	-.00740
.252	3.185	.00000	.00000	.00000	.00000	.00000	.00000	.00540	.01490
.252	4.121	.00000	.00000	.00000	.00000	.00000	.00000	.03720	.00300
.252	6.186	.00000	.00000	.00000	.00000	.00000	.00000	.01990	.00040
.252	8.206	.00000	.00000	.00000	.00000	.00000	.00000	-.00770	-.01260
.252	10.185	.00000	.00000	.00000	.00000	.00000	.00000	.02780	.00760
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00147	.00202

ARC 218-1-12 0A101 (0V102) (A2Q093) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 313/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.254	-7.981	.00000	.00000	.00000	.00000	.00000	.00000	.02970	-.01970
.253	-5.524	.00000	.00000	.00000	.00000	.00000	.00000	.02690	-.02190
.253	-.129	.00000	.00000	.00000	.00000	.00000	.00000	.02750	-.00250
.254	2.670	.00000	.00000	.00000	.00000	.00000	.00000	.01270	-.01240
.253	5.551	.00000	.00000	.00000	.00000	.00000	.00000	.02250	-.01720
.253	7.054	.00000	.00000	.00000	.00000	.00000	.00000	.02470	-.01930
.252	8.760	.00000	.00000	.00000	.00000	.00000	.00000	.00790	-.00250
.252	10.953	.00000	.00000	.00000	.00000	.00000	.00000	.02990	.00550
.252	13.173	.00000	.00000	.00000	.00000	.00000	.00000	.02260	.00240
.251	16.365	.00000	.00000	.00000	.00000	.00000	.00000	.01730	-.01200
.249	18.586	.00000	.00000	.00000	.00000	.00000	.00000	.02230	.00770
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00529	-.00354

ARC 218-1-12 0A101 (0V102) (A2Q094) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 5.000

RUN NO. 308/ 0 RN/L = 5.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-7.802	.00000	.00000	.00000	.00000	.00000	.00000	.00240	-.04250
.253	-5.613	.00000	.00000	.00000	.00000	.00000	.00000	.01470	-.05460
.253	-.094	.00000	.00000	.00000	.00000	.00000	.00000	.00180	-.04700
.253	2.677	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.03970
.253	5.472	.00000	.00000	.00000	.00000	.00000	.00000	-.00530	-.03460
.253	7.110	.00000	.00000	.00000	.00000	.00000	.00000	.00110	-.06590
.253	8.778	.00000	.00000	.00000	.00000	.00000	.00000	.00310	-.05320
.253	11.014	.00000	.00000	.00000	.00000	.00000	.00000	.00570	-.05070
.253	13.219	.00000	.00000	.00000	.00000	.00000	.00000	.00030	-.04540
.252	16.399	.00000	.00000	.00000	.00000	.00000	.00000	.00770	-.04780
.252	18.460	.00000	.00000	.00000	.00000	.00000	.00000	-.00310	-.04220
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00065	.00263

ARC 218-1-12 OA101 (OV102) (A2Q095) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO				
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO				
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO				
SCALE =	.0500								

PARAMETRIC DATA

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

RUN NO. 285/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-7.941	.00000	.00000	.00000	.00000	.00000	.00000	.01560	-.01560
.253	-5.541	.00000	.00000	.00000	.00000	.00000	.00000	-.01400	.00400
.254	-.150	.00000	.00000	.00000	.00000	.00000	.00000	-.01190	.00190
.254	2.630	.00000	.00000	.00000	.00000	.00000	.00000	.01530	-.01530
.253	5.591	.00000	.00000	.00000	.00000	.00000	.00000	-.00660	-.00360
.253	7.106	.00000	.00000	.00000	.00000	.00000	.00000	-.01150	-.00850
.253	8.800	.00000	.00000	.00000	.00000	.00000	.00000	-.00900	-.00610
.253	10.981	.00000	.00000	.00000	.00000	.00000	.00000	.00810	-.02320
.253	13.184	.00000	.00000	.00000	.00000	.00000	.00000	-.01680	-.00300
.252	16.376	.00000	.00000	.00000	.00000	.00000	.00000	-.00680	-.00320
.251	18.623	.00000	.00000	.00000	.00000	.00000	.00000	.00020	-.02060
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00978	-.00619

ARC 218-1-12 OA101 (OV102) (A2Q096) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO				
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO				
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO				
SCALE =	.0500								

PARAMETRIC DATA

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

RUN NO. 273/ 0 RN/L = 7.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-8.141	.03650	.06420	.00320	.00410	-.00330	.20530	.03710	-.02210
.253	-5.598	.03380	.06240	.00270	.00350	-.00010	.21230	.01010	-.00510
.252	-.153	.02870	.05840	.00190	.00300	-.00020	.22180	.02200	-.02690
.253	2.675	.02610	.05570	.00160	.00320	-.00160	.21570	.02220	-.00720
.253	5.631	.02310	.05260	.00120	.00360	-.00190	.21820	.00530	-.01000
.253	7.257	.02040	.05130	.00080	.00370	-.00350	.22240	.00500	-.01460
.252	8.946	.01660	.04310	.00050	.00340	-.00370	.22030	.02980	-.01970
.252	11.161	.01140	.03970	.00000	.00260	-.00580	.22290	.02980	-.01970
.252	13.412	.00620	.03680	.00000	.00170	-.01120	.22830	.01040	-.01040
.252	16.666	-.00900	.02000	-.00320	.00100	-.01650	.22560	.01470	-.02440
.252	18.914	-.01890	.00240	-.00870	-.00160	-.02390	.22750	.01640	-.01610
	GRADIENT	-.00092	-.00095	-.00011	.00007	-.00049	-.00216	.00007	.00697

ARC 218-1-12 OA101 (OV102) (A2Q097) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 279/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-6.329	.00000	.00000	.00000	.00000	.00000	.00000	.01010	-.01500
.254	-4.271	.00000	.00000	.00000	.00000	.00000	.00000	-.02750	-.02810
.253	-2.106	.00000	.00000	.00000	.00000	.00000	.00000	.01260	-.01250
.253	-1.070	.00000	.00000	.00000	.00000	.00000	.00000	-.00530	.00530
.253	.006	.00000	.00000	.00000	.00000	.00000	.00000	.00280	-.00270
.253	.530	.00000	.00000	.00000	.00000	.00000	.00000	.02240	-.01740
.253	1.065	.00000	.00000	.00000	.00000	.00000	.00000	.01040	-.01530
.253	2.118	.00000	.00000	.00000	.00000	.00000	.00000	.05020	-.02020
.253	3.148	.00000	.00000	.00000	.00000	.00000	.00000	-.01690	.00220
.254	4.200	.00000	.00000	.00000	.00000	.00000	.00000	.02040	-.00040
.254	6.283	.00000	.00000	.00000	.00000	.00000	.00000	.00830	-.01800
.253	8.226	.00000	.00000	.00000	.00000	.00000	.00000	.01100	.00910
.253	10.282	.00000	.00000	.00000	.00000	.00000	.00000	.02740	-.00740
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00413	.00203

ARC 218-1-12 OA101 (OV102) (A20098) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 274/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-6.213	.02140	.05880	.00110	.00490	-.00860	.25200	.00990	-.00470
.253	-4.225	.02190	.05720	.00110	.00450	-.00700	.24250	.01720	-.01210
.253	-2.130	.02240	.05530	.00110	.00400	-.00970	.23130	.02710	-.01690
.252	-1.068	.02280	.05470	.00110	.00380	-.00330	.23250	.02950	-.01450
.252	-.247	.02310	.05310	.00120	.00360	-.00360	.22200	.01480	-.00480
.252	.633	.02350	.05250	.00130	.00350	-.00120	-.23640	.02220	-.00720
.252	1.104	.02340	.05160	.00130	.00340	-.00160	.21800	.02210	-.01210
.252	2.129	.02400	.05070	.00140	.00330	-.00160	.20770	.01990	.00040
.252	3.193	.02410	.04970	.00150	.00320	-.00250	.21380	.02450	-.01940
.252	4.202	.02470	.04790	.00150	.00290	-.00310	.20960	.01230	-.01210
.252	6.259	.02510	.04750	.00170	.00270	-.00420	.20260	.02690	-.02690
.252	8.305	.02510	.04400	.00190	.00270	-.00660	.20340	.01970	-.00970
.252	10.292	.02490	.04090	.00200	.00190	-.00660	.19540	.00280	-.00280
	GRADIENT	.00033	-.00110	.00006	-.00018	.00073	-.00603	-.00054	.00024

ARC 218-1-12 OA101 (OV102) (A2Q099) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 280/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-6.561	.00000	.00000	.00000	.00000	.00000	.00000	.02050	-.02540
.253	-4.476	.00000	.00000	.00000	.00000	.00000	.00000	.00810	-.01270
.253	-2.034	.00000	.00000	.00000	.00000	.00000	.00000	-.00630	.00160
.252	-1.128	.00000	.00000	.00000	.00000	.00000	.00000	.03000	-.03960
.253	-.018	.00000	.00000	.00000	.00000	.00000	.00000	-.01590	-.00810
.253	.475	.00000	.00000	.00000	.00000	.00000	.00000	-.00880	-.00580
.253	.981	.00000	.00000	.00000	.00000	.00000	.00000	-.01150	.01190
.252	2.156	.00000	.00000	.00000	.00000	.00000	.00000	-.02000	.00060
.253	3.169	.00000	.00000	.00000	.00000	.00000	.00000	-.04800	.02840
.253	4.170	.00000	.00000	.00000	.00000	.00000	.00000	-.05810	.01300
.253	6.207	.00000	.00000	.00000	.00000	.00000	.00000	.00030	-.00480
.253	8.296	.00000	.00000	.00000	.00000	.00000	.00000	.02470	-.03940
.252	10.253	.00000	.00000	.00000	.00000	.00000	.00000	.00200	-.02240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00804	.00446

ARC 218-1-12 OA101 (OV102) (A2Q0A0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 281/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.000	.00000	.00000	.00000	.00000	.00000	.00000	.02190	-.04230
.252	-3.912	.00000	.00000	.00000	.00000	.00000	.00000	.00730	-.00730
.252	-2.066	.00000	.00000	.00000	.00000	.00000	.00000	.01240	-.03220
.252	.006	.00000	.00000	.00000	.00000	.00000	.00000	-.00520	-.03520
.252	2.124	.00000	.00000	.00000	.00000	.00000	.00000	.03230	-.02700
.252	4.048	.00000	.00000	.00000	.00000	.00000	.00000	.00460	-.01990
.251	6.083	.00000	.00000	.00000	.00000	.00000	.00000	.02690	-.03170
.252	7.367	.00000	.00000	.00000	.00000	.00000	.00000	.00730	-.02260
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00077	-.00094

ARC 218-1-12 OA101 (OV102) (A2Q0A1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 8.000

RUN NO. 275/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-7.948	.00000	.00000	.00000	.00000	.00000	.00000	.00160	.01370
.252	-5.723	.00000	.00000	.00000	.00000	.00000	.00000	-.00090	.00090
.252	-.125	.00000	.00000	.00000	.00000	.00000	.00000	.03450	-.03450
.252	2.687	.00000	.00000	.00000	.00000	.00000	.00000	.01220	-.01710
.251	5.532	.00000	.00000	.00000	.00000	.00000	.00000	.01710	-.02200
.252	7.213	.00000	.00000	.00000	.00000	.00000	.00000	.01250	-.01250
.252	8.936	.00000	.00000	.00000	.00000	.00000	.00000	-.01000	-.02040
.252	11.180	.00000	.00000	.00000	.00000	.00000	.00000	.03180	-.03180
.252	13.416	.00000	.00000	.00000	.00000	.00000	.00000	.01700	-.02700
.251	16.695	.00000	.00000	.00000	.00000	.00000	.00000	.00240	-.00240
.250	18.746	.00000	.00000	.00000	.00000	.00000	.00000	.00260	-.00230
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00793	.00619

ARC 218-1-12 OA101 (OV102) (A2Q0A2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 282/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-22.930	.00000	.00000	.00000	.00000	.00000	.00000	.00980	-.02510
.252	-18.065	.00000	.00000	.00000	.00000	.00000	.00000	.00520	-.00520
.253	-15.082	.00000	.00000	.00000	.00000	.00000	.00000	.00760	-.02720
.253	-10.063	.00000	.00000	.00000	.00000	.00000	.00000	.01530	-.01530
.253	-4.929	.00000	.00000	.00000	.00000	.00000	.00000	-.01790	-.01260
.253	-2.387	.00000	.00000	.00000	.00000	.00000	.00000	.00730	-.02200
.253	.028	.00000	.00000	.00000	.00000	.00000	.00000	-.00470	-.00530
.253	2.622	.00000	.00000	.00000	.00000	.00000	.00000	-.01270	.00850
.252	5.064	.00000	.00000	.00000	.00000	.00000	.00000	.03990	-.02920
.252	10.060	.00000	.00000	.00000	.00000	.00000	.00000	-.00960	.00520
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00015	.00319

ARC 218-1-12 OA101 (OV102) (A2Q0A3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 272/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-22.959	.02340	.05300	.00120	.00350	-.00310	.07560	.01530	.00970
.252	-18.151	.02330	.05310	.00130	.00350	-.00270	.10020	.01750	-.01250
.253	-15.005	.02340	.05300	.00130	.00340	-.00440	.12580	.01500	-.01500
.253	-9.999	.02360	.05300	.00130	.00350	-.00350	.16380	.01050	.00980
.253	-4.878	.02360	.05310	.00130	.00360	-.00160	.19430	.02770	.00260
.252	-2.437	.02360	.05280	.00130	.00350	-.00280	.20340	.01100	.01400
.253	.019	.02360	.05320	.00130	.00350	-.00160	.21720	.00110	.00890
.253	2.565	.02360	.05280	.00130	.00350	-.00210	.23300	.00990	.00510
.252	5.016	.02380	.05370	.00130	.00350	-.00290	.24510	.01480	.00020
.252	10.089	.02390	.05340	.00140	.00360	-.00090	.25830	.02450	-.01450
	GRADIENT	-.00000	-.00002	-.00000	-.00001	-.00001	.00524	-.00252	.00007

ARC 218-1-12 OA101 (OV102) (A2Q0A4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 283/ 0 RN/L = 7.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-23.016	.00000	.00000	.00000	.00000	.00000	.00000	-.00210	-.01320
.252	-17.937	.00000	.00000	.00000	.00000	.00000	.00000	.02980	-.01480
.252	-15.034	.00000	.00000	.00000	.00000	.00000	.00000	-.01510	-.00020
.252	-9.957	.00000	.00000	.00000	.00000	.00000	.00000	.00210	-.01740
.252	-4.960	.00000	.00000	.00000	.00000	.00000	.00000	.01500	-.01990
.252	-2.467	.00000	.00000	.00000	.00000	.00000	.00000	.03750	-.02660
.252	-.010	.00000	.00000	.00000	.00000	.00000	.00000	-.00490	-.01470
.252	2.537	.00000	.00000	.00000	.00000	.00000	.00000	-.00220	-.00290
.252	5.111	.00000	.00000	.00000	.00000	.00000	.00000	.00980	-.05990
.252	9.992	.00000	.00000	.00000	.00000	.00000	.00000	.01690	-.02710
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00375	.00253

ARC 218-1-12 OA101 (OV102) (A2Q0A5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETR C DATA

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

RUN NO. 284/ 0 RN/L = 7.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-22.930	.00000	.00000	.00000	.00000	.00000	.00000	-.02750	.02240
.253	-17.968	.00000	.00000	.00000	.00000	.00000	.00000	.03350	-.02830
.253	-15.072	.00000	.00000	.00000	.00000	.00000	.00000	-.02960	.04460
.253	-9.999	.00000	.00000	.00000	.00000	.00000	.00000	.00930	-.00920
.253	-4.929	.00000	.00000	.00000	.00000	.00000	.00000	-.01840	.01350
.253	-2.497	.00000	.00000	.00000	.00000	.00000	.00000	.00420	.01080
.253	.028	.00000	.00000	.00000	.00000	.00000	.00000	.02120	-.01120
.253	2.508	.00000	.00000	.00000	.00000	.00000	.00000	-.00580	-.00410
.253	5.045	.00000	.00000	.00000	.00000	.00000	.00000	.00390	-.01390
.253	10.089	.00000	.00000	.00000	.00000	.00000	.00000	.03470	-.01470
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00220	-.00302

ARC 218-1-12 OA101 (OV102) (A2Q0A6) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 276/ 0 RN/L = 7.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-8.132	.00000	.00000	.00000	.00000	.00000	.00000	.00490	.00010
.252	-5.619	.00000	.00000	.00000	.00000	.00000	.00000	.04940	-.02940
.252	-.150	.00000	.00000	.00000	.00000	.00000	.00000	.01510	-.00500
.252	2.658	.00000	.00000	.00000	.00000	.00000	.00000	.02700	-.01200
.251	5.653	.00000	.00000	.00000	.00000	.00000	.00000	-.00240	-.01770
.252	7.198	.00000	.00000	.00000	.00000	.00000	.00000	-.00550	-.02990
.252	8.940	.00000	.00000	.00000	.00000	.00000	.00000	.00470	-.02950
.252	11.179	.00000	.00000	.00000	.00000	.00000	.00000	-.01410	-.01540
.251	13.396	.00000	.00000	.00000	.00000	.00000	.00000	.00220	-.02710
.251	16.689	.00000	.00000	.00000	.00000	.00000	.00000	-.01550	-.03500
.250	18.932	.00000	.00000	.00000	.00000	.00000	.00000	-.02030	-.01500
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00424	-.00249

ARC 218-1-12 OA101 (OV102) (A2Q0A7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 277/ 0 RN/L = 7.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-6.209	.00000	.00000	.00000	.00000	.00000	.00000	.01270	-.02240
.251	-4.218	.00000	.00000	.00000	.00000	.00000	.00000	-.01210	-.01250
.252	-2.116	.00000	.00000	.00000	.00000	.00000	.00000	.02750	-.02220
.251	-1.071	.00000	.00000	.00000	.00000	.00000	.00000	.01030	-.01010
.251	-.246	.00000	.00000	.00000	.00000	.00000	.00000	.00570	-.01070
.252	.606	.00000	.00000	.00000	.00000	.00000	.00000	.01320	-.00320
.251	1.076	.00000	.00000	.00000	.00000	.00000	.00000	-.00480	.00490
.251	2.123	.00000	.00000	.00000	.00000	.00000	.00000	.01020	-.01510
.251	3.205	.00000	.00000	.00000	.00000	.00000	.00000	.02000	-.01990
.251	4.230	.00000	.00000	.00000	.00000	.00000	.00000	.01310	-.01310
.251	6.253	.00000	.00000	.00000	.00000	.00000	.00000	.04290	-.04280
.251	8.407	.00000	.00000	.00000	.00000	.00000	.00000	.03450	-.02410
.250	10.282	.00000	.00000	.00000	.00000	.00000	.00000	.00240	.00770
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00162	.00010

ARC 218-1-12 OA101 (OV102) (A2Q0,8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-22.800
RN/L =	8.000		

RUN NO. 278/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.316	.00000	.00000	.00000	.00000	.00000	.00000	-.01570	.01080
.251	-4.246	.00000	.00000	.00000	.00000	.00000	.00000	.01970	-.00470
.251	-2.120	.00000	.00000	.00000	.00000	.00000	.00000	-.00260	.00270
.252	-1.099	.00000	.00000	.00000	.00000	.00000	.00000	-.00030	-.01500
.253	-.197	.00000	.00000	.00000	.00000	.00000	.00000	-.00030	.01560
.253	.602	.00000	.00000	.00000	.00000	.00000	.00000	.03170	-.03670
.254	1.090	.00000	.00000	.00000	.00000	.00000	.00000	.00970	-.01960
.253	2.136	.00000	.00000	.00000	.00000	.00000	.00000	.01280	.00730
.253	3.182	.00000	.00000	.00000	.00000	.00000	.00000	.00240	-.01710
.253	4.227	.00000	.00000	.00000	.00000	.00000	.00000	.03160	-.03670
.253	6.247	.00000	.00000	.00000	.00000	.00000	.00000	.00730	-.00730
.253	8.316	.00000	.00000	.00000	.00000	.00000	.00000	.00740	-.05180
.253	10.281	.00000	.00000	.00000	.00000	.00000	.00000	-.01740	-.00790
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00140	-.00298

ARC 218-1-12 OA101 (OV102) (A2Q0A9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 326/ 0 RN/L = 5.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-7.939	.00000	.00000	.00000	.00000	.00000	.00000	.03000	-.00970
.253	-5.510	.00000	.00000	.00000	.00000	.00000	.00000	.02750	-.01220
.254	-.111	.00000	.00000	.00000	.00000	.00000	.00000	.02730	-.00200
.254	2.663	.00000	.00000	.00000	.00000	.00000	.00000	.02750	-.01220
.253	5.547	.00000	.00000	.00000	.00000	.00000	.00000	.01260	-.00260
.253	7.125	.00000	.00000	.00000	.00000	.00000	.00000	.02310	-.01310
.253	8.757	.00000	.00000	.00000	.00000	.00000	.00000	.01780	-.01280
.253	10.967	.00000	.00000	.00000	.00000	.00000	.00000	.01330	-.00330
.253	13.161	.00000	.00000	.00000	.00000	.00000	.00000	.00340	-.00340
.252	16.354	.00000	.00000	.00000	.00000	.00000	.00000	.00600	-.00570
.252	18.571	.00000	.00000	.00000	.00000	.00000	.00000	.01580	-.01050
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00007	-.00368

ARC 218-1-12 OA101 (OV102) (A2Q0B0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 330/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-6.212	.00000	.00000	.00000	.00000	.00000	.00000	.02580	.00920
.252	-4.162	.00000	.00000	.00000	.00000	.00000	.00000	.00820	.00690
.252	-2.076	.00000	.00000	.00000	.00000	.00000	.00000	.02320	.00180
.252	-1.060	.00000	.00000	.00000	.00000	.00000	.00000	.03730	-.00730
.252	-.201	.00000	.00000	.00000	.00000	.00000	.00000	.02250	-.00740
.252	.581	.00000	.00000	.00000	.00000	.00000	.00000	.00490	.00010
.252	1.053	.00000	.00000	.00000	.00000	.00000	.00000	.01520	-.00990
.252	2.071	.00000	.00000	.00000	.00000	.00000	.00000	.02970	.00530
.252	3.137	.00000	.00000	.00000	.00000	.00000	.00000	.00310	.01690
.252	4.157	.00000	.00000	.00000	.00000	.00000	.00000	.02470	-.00470
.252	6.202	.00000	.00000	.00000	.00000	.00000	.00000	.02020	.00000
.252	8.194	.00000	.00000	.00000	.00000	.00000	.00000	.04460	-.01950
.252	10.209	.00000	.00000	.00000	.00000	.00000	.00000	.02020	-.00490
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00001	.00019

ARC 218-1-12 OA101 (OV102) (A2Q0B1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	70.000
RN/L =	5.000		

RUN NO. 331/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-18.065	.00000	.00000	.00000	.00000	.00000	.00000	.03990	.00010
.252	-15.072	.00000	.00000	.00000	.00000	.00000	.00000	.05160	-.02160
.252	-9.989	.00000	.00000	.00000	.00000	.00000	.00000	.03240	-.00240
.252	-4.939	.00000	.00000	.00000	.00000	.00000	.00000	.02980	.01030
.252	-2.427	.00000	.00000	.00000	.00000	.00000	.00000	.02520	.01480
.251	.151	.00000	.00000	.00000	.00000	.00000	.00000	.03220	.00290
.252	2.518	.00000	.00000	.00000	.00000	.00000	.00000	.02310	.02190
.251	5.111	.00000	.00000	.00000	.00000	.00000	.00000	.03040	.00960
.251	10.187	.00000	.00000	.00000	.00000	.00000	.00000	.02810	-.00310
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00051	.00088

ARC 218-1-12 OA101 (OV102) (A2Q0B2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 329/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-6.132	.00000	.00000	.00000	.00000	.00000	.00000	.00850	.00650
.252	-4.158	.00000	.00000	.00000	.00000	.00000	.00000	.02510	-.02010
.252	-2.060	.00000	.00000	.00000	.00000	.00000	.00000	.01530	-.01520
.252	-1.039	.00000	.00000	.00000	.00000	.00000	.00000	.00060	.01440
.252	-.183	.00000	.00000	.00000	.00000	.00000	.00000	-.00380	.00890
.252	.597	.00000	.00000	.00000	.00000	.00000	.00000	.01350	.01150
.252	1.087	.00000	.00000	.00000	.00000	.00000	.00000	.03220	-.00690
.252	2.073	.00000	.00000	.00000	.00000	.00000	.00000	.02810	-.00310
.252	3.115	.00000	.00000	.00000	.00000	.00000	.00000	.01090	.00410
.252	4.122	.00000	.00000	.00000	.00000	.00000	.00000	.02030	.00990
.252	6.166	.00000	.00000	.00000	.00000	.00000	.00000	.02750	-.00250
.252	8.043	.00000	.00000	.00000	.00000	.00000	.00000	.00110	.00900
.252	10.189	.00000	.00000	.00000	.00000	.00000	.00000	.01810	.00700
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00050	.00267

ARC 218-1-12 OA101 (OV102) (A2Q0B3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 328/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-7.931	.00000	.00000	.00000	.00000	.00000	.00000	.00570	-.00050
.252	-5.514	.00000	.00000	.00000	.00000	.00000	.00000	.00810	-.00300
.253	-.122	.00000	.00000	.00000	.00000	.00000	.00000	.00780	.00720
.252	2.635	.00000	.00000	.00000	.00000	.00000	.00000	.02030	-.01510
.253	5.560	.00000	.00000	.00000	.00000	.00000	.00000	-.00660	.01680
.252	7.073	.00000	.00000	.00000	.00000	.00000	.00000	.01570	-.01060
.253	8.754	.00000	.00000	.00000	.00000	.00000	.00000	-.00400	-.01080
.253	10.939	.00000	.00000	.00000	.00000	.00000	.00000	.00340	-.00830
.252	13.123	.00000	.00000	.00000	.00000	.00000	.00000	-.00630	.00640
.251	16.287	.00000	.00000	.00000	.00000	.00000	.00000	.00590	-.00090
.251	18.536	.00000	.00000	.00000	.00000	.00000	.00000	.00830	-.00830
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00454	-.00809

ARC 218-1-12 OA101 (OV102) (A2Q0B4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 5.000

RUN NO. 327/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-7.827	.00000	.00000	.00000	.00000	.00000	.00000	-.00210	.01710
.253	-5.549	.00000	.00000	.00000	.00000	.00000	.00000	.02760	-.01760
.253	-.088	.00000	.00000	.00000	.00000	.00000	.00000	.00320	.00680
.252	2.646	.00000	.00000	.00000	.00000	.00000	.00000	.00810	.00190
.252	5.451	.00000	.00000	.00000	.00000	.00000	.00000	-.00650	.01150
.252	7.082	.00000	.00000	.00000	.00000	.00000	.00000	.00830	-.00330
.253	10.961	.00000	.00000	.00000	.00000	.00000	.00000	-.00630	.00650
.252	13.166	.00000	.00000	.00000	.00000	.00000	.00000	-.00380	.00890
.252	16.356	.00000	.00000	.00000	.00000	.00000	.00000	.01080	-.00580
.251	18.423	.00000	.00000	.00000	.00000	.00000	.00000	.00090	-.00590
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00179	-.00179

ARC 218-1-12 OA101 (OV102) (A200B5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 5.000

RUN NO. 306/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-8.018	.00000	.00000	.00000	.00000	.00000	.00000	.01350	-.01350
.254	-5.564	.00000	.00000	.00000	.00000	.00000	.00000	.01940	-.02450
.254	-.164	.00000	.00000	.00000	.00000	.00000	.00000	.01210	-.01720
.255	2.632	.00000	.00000	.00000	.00000	.00000	.00000	.01690	-.02710
.255	5.540	.00000	.00000	.00000	.00000	.00000	.00000	.00930	-.02510
.255	7.078	.00000	.00000	.00000	.00000	.00000	.00000	.00680	-.03720
.254	8.757	.00000	.00000	.00000	.00000	.00000	.00000	.00750	-.02790
.255	10.956	.00000	.00000	.00000	.00000	.00000	.00000	.02210	-.03740
.254	13.157	.00000	.00000	.00000	.00000	.00000	.00000	.01430	-.02960
.253	16.349	.00000	.00000	.00000	.00000	.00000	.00000	.01170	-.04210
.253	18.592	.00000	.00000	.00000	.00000	.00000	.00000	.00720	-.02760
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00172	-.00354

ARC 218-1-12 OA101 (OV102) (A200B6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 292/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-8.129	.03740	.06430	.00370	.00470	-.01650	.21950	.02040	-.04010
.253	-5.666	.03440	.06190	.00330	.00420	-.01360	.22240	-.00910	-.00550
.252	-.164	.02860	.05830	.00240	.00350	-.01070	.23760	.01280	-.03730
.253	2.665	.02660	.05610	.00210	.00370	-.00830	.25650	.01250	-.03210
.253	5.591	.02320	.05210	.00160	.00400	-.00810	.26290	.02440	-.03910
.253	7.165	.02130	.05100	.00130	.00410	-.00840	.27060	.01950	-.04890
.252	8.909	.01740	.04340	.00090	.00390	-.00840	.28200	.02500	-.02450
.252	11.134	.01200	.03990	.00040	.00320	-.01010	.29120	.01500	-.02470
.251	13.344	.00760	.03680	.00050	.00240	-.01520	.29800	.01740	-.03210
.251	16.597	-.00770	.02180	-.00260	.00180	-.02150	.29600	.01770	-.02750
.250	18.870	-.01840	.00290	-.00830	-.00080	-.02900	.29990	.01520	-.01960
	GRADIENT	-.00071	-.00078	-.00011	.00007	.00085	.00668	-.00011	.00184

ARC 218-1-12 OA101 (OV102) (A2Q0B7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 298/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-7.962	.00000	.00000	.00000	.00000	.00000	.00000	.02470	-.05440
.251	-5.646	.00000	.00000	.00000	.00000	.00000	.00000	.05360	-.06360
.254	-.122	.00000	.00000	.00000	.00000	.00000	.00000	.02240	-.03220
.253	2.708	.00000	.00000	.00000	.00000	.00000	.00000	.02720	-.04690
.253	5.521	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.03990
.253	7.212	.00000	.00000	.00000	.00000	.00000	.00000	.02520	-.04010
.253	8.859	.00000	.00000	.00000	.00000	.00000	.00000	-.01490	-.02550
.253	11.174	.00000	.00000	.00000	.00000	.00000	.00000	.01710	-.05700
.253	13.397	.00000	.00000	.00000	.00000	.00000	.00000	-.02280	-.04730
.252	16.641	.00000	.00000	.00000	.00000	.00000	.00000	.01370	-.06940
.251	18.704	.00000	.00000	.00000	.00000	.00000	.00000	-.01580	-.05980
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00170	-.00520

ARC 218-1-12 0A101 (0V102) (A2Q088) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN.	XO	
LREF =	474.8100	INCHES	YMRP =	.0000	IN.	YO	
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN.	ZO	
SCALE =	.0500						

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 299/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-6.319	.00000	.00000	.00000	.00000	.00000	.00000	.00030	-.03470
.254	-4.254	.00000	.00000	.00000	.00000	.00000	.00000	-.00790	-.03720
.253	-2.081	.00000	.00000	.00000	.00000	.00000	.00000	-.02340	-.06240
.253	-1.077	.00000	.00000	.00000	.00000	.00000	.00000	-.01500	-.02560
.253	.012	.00000	.00000	.00000	.00000	.00000	.00000	-.02260	-.03320
.253	.563	.00000	.00000	.00000	.00000	.00000	.00000	-.00750	-.03770
.253	1.085	.00000	.00000	.00000	.00000	.00000	.00000	-.01260	-.03790
.254	2.107	.00000	.00000	.00000	.00000	.00000	.00000	.00230	-.04250
.253	3.130	.00000	.00000	.00000	.00000	.00000	.00000	.00190	-.03720
.254	4.174	.00000	.00000	.00000	.00000	.00000	.00000	.06340	-.09870
.254	6.242	.00000	.00000	.00000	.00000	.00000	.00000	.00480	-.04000
.254	8.322	.00000	.00000	.00000	.00000	.00000	.00000	.00550	-.03550
.253	10.268	.00000	.00000	.00000	.00000	.00000	.00000	-.00800	-.04220
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00660	-.00357

ARC 218-1-12 OA101 (OV102) (A20089) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 293/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.163	.02220	.05950	.00140	.00510	-.01930	.31070	.00830	-.02780
.253	-4.189	.02250	.05720	.00140	.00470	-.01520	.29400	.00270	-.03210
.252	-2.048	.02300	.05520	.00150	.00430	-.01510	.28580	.01750	-.03200
.253	-1.050	.02330	.05430	.00150	.00410	-.01220	.27870	.01270	-.01240
.252	-.232	.02350	.05380	.00160	.00410	-.01140	.26200	.00500	-.02980
.253	.575	.02390	.05220	.00170	.00380	-.00850	.26180	.01520	-.03000
.253	1.071	.02430	.05150	.00160	.00390	-.00720	.27050	.00750	-.02240
.252	2.128	.02480	.05080	.00180	.00370	-.00650	.26800	.01280	-.02760
.252	3.174	.02490	.04920	.00190	.00360	-.00540	.26870	-.00610	-.01350
.252	4.198	.02520	.04790	.00190	.00340	-.00860	.26880	.00330	-.02790
.252	6.257	.02580	.04770	.00200	.00300	-.01150	.27540	.01040	-.01040
.252	8.261	.02560	.04420	.00220	.00300	-.01430	.28380	.01530	-.02020
.253	10.278	.02520	.04080	.00230	.00220	-.01640	.27480	.02510	-.02510
	GRADIENT	.00035	-.00112	.00007	-.00015	.00121	-.00307	-.00094	.00094

ARC 218-1-12 OA101 (OV102) (A2Q0C0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 300/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-6.179	.00000	.00000	.00000	.00000	.00000	.00000	-.01210	-.01780
.253	-4.147	.00000	.00000	.00000	.00000	.00000	.00000	.01260	-.02730
.254	-2.025	.00000	.00000	.00000	.00000	.00000	.00000	.00980	-.03990
.253	-1.154	.00000	.00000	.00000	.00000	.00000	.00000	.01980	-.03970
.254	.001	.00000	.00000	.00000	.00000	.00000	.00000	-.01770	-.03240
.254	.475	.00000	.00000	.00000	.00000	.00000	.00000	.02130	-.08130
.253	.982	.00000	.00000	.00000	.00000	.00000	.00000	.02700	-.03160
.253	2.119	.00000	.00000	.00000	.00000	.00000	.00000	.02670	-.06210
.253	3.135	.00000	.00000	.00000	.00000	.00000	.00000	-.00250	-.02210
.253	4.146	.00000	.00000	.00000	.00000	.00000	.00000	.02650	-.07610
.253	6.178	.00000	.00000	.00000	.00000	.00000	.00000	.01720	-.02190
.254	8.258	.00000	.00000	.00000	.00000	.00000	.00000	.03410	-.05870
.253	10.230	.00000	.00000	.00000	.00000	.00000	.00000	.04170	-.03160
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00096	-.00342

ARC 218-1-12 OA101 (OV102) (A2Q0C1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 301/ 0 RN/L = 7.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-5.843	.00000	.00000	.00000	.00000	.00000	.00000	-.01450	-.03580
.252	-3.876	.00000	.00000	.00000	.00000	.00000	.00000	.01950	-.02930
.252	-2.075	.00000	.00000	.00000	.00000	.00000	.00000	.02740	-.03210
.252	-.043	.00000	.00000	.00000	.00000	.00000	.00000	.01710	-.05210
.252	2.097	.00000	.00000	.00000	.00000	.00000	.00000	.00940	-.02970
.252	4.035	.00000	.00000	.00000	.00000	.00000	.00000	-.01710	-.00750
.252	6.094	.00000	.00000	.00000	.00000	.00000	.00000	.00750	-.03710
.252	7.062	.00000	.00000	.00000	.00000	.00000	.00000	.01690	-.04660
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00460	.00235

ARC 218-1-12 OA101 (OV102) (A2Q0C2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	8.000		

RUN NO. 295/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-11.963	.00000	.00000	.00000	.00000	.00000	.00000	.00230	-.01720
.252	-9.978	.00000	.00000	.00000	.00000	.00000	.00000	.00950	-.02960
.252	-4.929	.00000	.00000	.00000	.00000	.00000	.00000	.03130	-.06640
.252	-2.547	.00000	.00000	.00000	.00000	.00000	.00000	-.01060	-.03990
.252	.028	.00000	.00000	.00000	.00000	.00000	.00000	.00230	-.04250
.252	2.556	.00000	.00000	.00000	.00000	.00000	.00000	.00450	-.02970
.252	5.073	.00000	.00000	.00000	.00000	.00000	.00000	.00980	-.03500
.252	10.129	.00000	.00000	.00000	.00000	.00000	.00000	.00680	-.03720
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00262	.00426

ARC 218-1-12 OA101 (OV102) (A2Q0C3) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	8.000		

RUN NO. 294/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-11.963	.02400	.05280	.00160	.00380	-.00920	.23050	.00000	-.02510
.252	-9.936	.02400	.05300	.00160	.00390	-.00780	.23770	.00570	-.02060
.252	-4.960	.02410	.05320	.00170	.00390	-.00790	.24950	.01750	-.03710
.252	-2.397	.02430	.05320	.00170	.00400	-.01030	.25630	.00430	-.03970
.252	.066	.02440	.05310	.00170	.00400	-.00940	.26340	.00700	-.03210
.252	2.546	.02430	.05330	.00170	.00400	-.01160	.27850	.00230	-.02700
.252	5.054	.02420	.05330	.00170	.00400	-.00910	.30120	.00230	-.02700
.252	10.119	.02430	.05350	.00170	.00390	-.00780	.33620	.00460	-.04490
	GRADIENT	.00003	.00001	-.00000	.00001	-.00041	.00376	-.00173	.00151

ARC 218-1-12 OA101 (OV102) (A2Q0C4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 8.000

RUN NO. 296/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-11.973	.00000	.00000	.00000	.00000	.00000	.00000	.02440	-.02930
.252	-9.946	.00000	.00000	.00000	.00000	.00000	.00000	.04150	-.04640
.252	-4.970	.00000	.00000	.00000	.00000	.00000	.00000	.00730	-.02200
.252	-2.447	.00000	.00000	.00000	.00000	.00000	.00000	.00680	-.03230
.252	.076	.00000	.00000	.00000	.00000	.00000	.00000	.01760	-.04760
.252	2.518	.00000	.00000	.00000	.00000	.00000	.00000	.01740	-.03230
.252	5.064	.00000	.00000	.00000	.00000	.00000	.00000	.00720	-.03190
.252	10.178	.00000	.00000	.00000	.00000	.00000	.00000	.01430	-.05410
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00165	-.00187

ARC 218-1-12 OA101 (OV102) (A2Q0C5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 8.000

RUN NO. 297/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-11.963	.00000	.00000	.00000	.00000	.00000	.00000	-.00530	-.02480
.251	-9.946	.00000	.00000	.00000	.00000	.00000	.00000	-.00270	-.02220
.251	-4.929	.00000	.00000	.00000	.00000	.00000	.00000	.01060	-.03510
.251	-2.497	.00000	.00000	.00000	.00000	.00000	.00000	.02410	-.05890
.251	.038	.00000	.00000	.00000	.00000	.00000	.00000	02190	-.04160
.251	2.537	.00000	.00000	.00000	.00000	.00000	.00000	.01960	-.01950
.251	5.083	.00000	.00000	.00000	.00000	.00000	.00000	.01950	-.03910
.251	10.148	.00000	.00000	.00000	.00000	.00000	.00000	.02440	-.05370
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00098	.00260

ARC 218-1-12 OA101 (OV102) (A2Q0C6) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-5.000
RN/L =	8.000		

RUN NO. 303/ 0 RN/L = 7.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-8.096	.00000	.00000	.00000	.00000	.00000	.00000	.03510	-.04990
.253	-5.670	.00000	.00000	.00000	.00000	.00000	.00000	.00560	-.00050
.252	-.196	.00000	.00000	.00000	.00000	.00000	.00000	-.00240	-.04210
.253	2.646	.00000	.00000	.00000	.00000	.00000	.00000	.02250	-.04710
.253	5.637	.00000	.00000	.00000	.00000	.00000	.00000	.02930	-.04400
.253	7.220	.00000	.00000	.00000	.00000	.00000	.00000	.00030	-.04490
.253	8.938	.00000	.00000	.00000	.00000	.00000	.00000	-.01200	-.02300
.252	11.152	.00000	.00000	.00000	.00000	.00000	.00000	.00210	-.03700
.252	13.356	.00000	.00000	.00000	.00000	.00000	.00000	-.03830	-.00690
.252	16.629	.00000	.00000	.00000	.00000	.00000	.00000	.00480	-.06940
.251	18.881	.00000	.00000	.00000	.00000	.00000	.00000	.00240	-.02690
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00876	-.00176

ARC 218-1-12 OA101 (OV102) (A200C7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-5.000
RN/L =	8.000		

RUN NO. 302/ 0 RN/L = 7.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-6.315	.00000	.00000	.00000	.00000	.00000	.00000	.02180	-.03680
.253	-4.195	.00000	.00000	.00000	.00000	.00000	.00000	.03220	-.03710
.253	-2.114	.00000	.00000	.00000	.00000	.00000	.00000	.02260	-.03280
.253	-1.063	.00000	.00000	.00000	.00000	.00000	.00000	.01050	-.03520
.253	-.239	.00000	.00000	.00000	.00000	.00000	.00000	.03260	-.05220
.254	.621	.00000	.00000	.00000	.00000	.00000	.00000	.05700	-.02200
.253	1.061	.00000	.00000	.00000	.00000	.00000	.00000	.00780	-.01750
.253	2.107	.00000	.00000	.00000	.00000	.00000	.00000	-.01710	-.01230
.253	3.188	.00000	.00000	.00000	.00000	.00000	.00000	.00280	-.02740
.253	4.195	.00000	.00000	.00000	.00000	.00000	.00000	.02200	-.02680
.253	6.260	.00000	.00000	.00000	.00000	.00000	.00000	.00960	-.04910
.253	8.250	.00000	.00000	.00000	.00000	.00000	.00000	.02440	-.05870
.252	10.287	.00000	.00000	.00000	.00000	.00000	.00000	.03500	-.05470
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00289	.00218

ARC 218-1-12 OA101 (OV102) (A2Q0C8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-12.000
RN/L =	8.000		

RUN NO. 305/ 0 RN/L = 7.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-6.217	.00000	.00000	.00000	.00000	.00000	.00000	.01500	-.02470
.253	-4.205	.00000	.00000	.00000	.00000	.00000	.00000	-.00750	-.04720
.252	-2.093	.00000	.00000	.00000	.00000	.00000	.00000	.00550	-.02510
.253	-1.045	.00000	.00000	.00000	.00000	.00000	.00000	.01050	-.01030
.253	-.216	.00000	.00000	.00000	.00000	.00000	.00000	.02190	-.06730
.253	.601	.00000	.00000	.00000	.00000	.00000	.00000	.01220	-.03180
.253	1.080	.00000	.00000	.00000	.00000	.00000	.00000	.01470	-.03500
.253	2.121	.00000	.00000	.00000	.00000	.00000	.00000	.02480	-.03470
.253	3.168	.00000	.00000	.00000	.00000	.00000	.00000	.00540	-.00520
.253	4.190	.00000	.00000	.00000	.00000	.00000	.00000	.01180	-.04190
.253	6.256	.00000	.00000	.00000	.00000	.00000	.00000	.03200	-.07150
.252	8.268	.00000	.00000	.00000	.00000	.00000	.00000	-.00450	-.02000
.252	10.286	.00000	.00000	.00000	.00000	.00000	.00000	.02470	-.03480
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00193	.00132

ARC 218-1-12 OA101 (OV102) (A200C3) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 217/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.251	-35.167	.10170	.22250	.01450	.02080	-.08260	.07240	-.01790
.251	-30.048	.09480	.21950	.01390	.02020	-.08120	.07290	.10640
.252	-20.123	.07130	.14090	.01290	.01910	-.08190	.07470	-.03200
.252	-15.054	.05830	.11920	.01050	.01600	-.08330	.07480	.00770
.251	-10.046	.04830	.10480	.00760	.01190	-.08240	.08070	.02530
.252	-8.040	.04410	.09230	.00630	.01030	-.08010	.08240	-.01450
.252	-5.976	.03900	.08010	.00500	.00860	-.07560	.08490	.04950
.252	-3.993	.03360	.06750	.00390	.00700	-.07450	.08700	.04520
.252	-2.984	.03090	.06080	.00320	.00620	-.07270	.08720	.04360
.252	-2.002	.02770	.05450	.00240	.00520	-.07020	.08940	.04180
.251	-1.026	.02490	.04920	.00180	.00430	-.06880	.09040	.03960
.253	-.032	.02160	.04320	.00110	.00340	-.06750	.08900	-.00280
.252	.972	.01820	.03800	.00040	.00270	-.06660	.09110	.02490
.252	1.959	.01490	.03330	-.00010	.00190	-.07000	.08850	.02030
.252	2.966	.01200	.02930	-.00060	.00110	-.06660	.08960	.01640
.252	3.986	.00910	.02520	-.00110	.00050	-.06440	.09110	.03010
.252	5.976	.00260	.01560	-.00210	-.00060	-.06770	.08950	.05550
.252	7.973	-.00430	.00510	-.00300	-.00190	-.07610	.09090	.00870
.251	9.950	-.01240	-.00600	-.00420	-.00330	-.07910	.08960	.00290
.251	20.137	-.06490	-.08030	-.00540	-.00690	-.07660	.09590	.17320
	GRADIENT	-.00313	-.00531	-.00063	-.00083	.00103	.00038	-.00333

ARC 218-1-12 OA101 (OV102) (A2000) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 218/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.251	-35.112	.10270	.22550	.01400	.02010	.05120	.08580	-.05270
.252	-20.112	.07290	.15000	.01190	.01740	.05110	.08410	-.04290
.252	-15.049	.05980	.13150	.00980	.01470	.04900	.08300	-.01260
.252	-10.020	.04940	.11740	.00720	.01120	.04300	.08140	.01290
.251	-8.059	.04550	.10650	.00620	.00980	.04160	.08050	-.00690
.252	-5.988	.04000	.09360	.00500	.00840	.03810	.07900	.03120
.252	-3.996	.03480	.07980	.00380	.00690	.03810	.07990	.05740
.251	-2.989	.03190	.07340	.00340	.00610	.03690	.08190	.05300
.252	-2.005	.02870	.06670	.00260	.00530	.03450	.07990	.03920
.251	-1.005	.02600	.06090	.00200	.00450	.03300	.08080	.02330
.251	-.025	.02260	.05370	.00130	.00360	.03080	.07690	.01490
.251	.963	.01910	.04800	.00080	.00270	.03000	.07910	.03860
.251	1.949	.01590	.04190	.00030	.00190	.02750	.07760	.01610
.251	2.957	.01310	.03720	-.00020	.00120	.02600	.07760	.00170
.252	4.005	.00990	.03250	-.00080	.00060	.02510	.07850	.02350
.252	5.001	.00670	.02780	-.00130	.00000	.02420	.07850	.04560
.252	6.018	.00320	.02190	-.00180	-.00070	.02200	.07920	.01800
.252	7.983	-.00360	.01070	-.00280	-.00210	.02230	.07840	.01290
.252	9.962	-.01130	-.00010	-.00390	-.00360	.02060	.07780	-.01790
.251	20.156	-.06540	-.07660	-.00460	-.00750	.02320	.07820	.16800
	GRADIENT	-.00316	-.00603	-.00059	-.00081	-.00170	-.00041	-.00535

ARC 218-1-12 OA101 (OV102) (A2D0D1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 231/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-11.652	.00690	.02800	-.00130	.00000	.02290	.07900	.01810	5.00260
.251	-8.008	.00680	.02670	-.00140	-.00020	.01900	.08230	.03970	4.98510
.251	-6.035	.00680	.02720	-.00150	-.00020	.01470	.08290	.02940	4.98950
.251	-2.987	.00680	.02700	-.00160	-.00030	.00890	.08560	.01870	4.98860
.251	-.030	.00690	.02590	-.00160	-.00040	.00000	.08640	.02120	4.98610
.251	3.023	.00660	.02540	-.00170	-.00040	-.01150	.08810	.03290	4.99780
.251	6.030	.00660	.02420	-.00160	-.00030	-.02440	.08970	.04160	4.97240
.251	8.010	.00620	.02380	-.00170	-.00020	-.03160	.09100	.02540	4.99530
.251	12.119	.00620	.02240	-.00160	-.00030	-.04840	.09160	.02590	5.02010
.252	16.352	.00590	.02060	-.00160	-.00020	-.06400	.08820	.04310	4.99340
.251	22.500	.00550	.01720	-.00140	.00030	-.10290	.08830	.02340	5.01760
	GRADIENT	-.00003	-.00027	-.00002	-.00002	-.00340	.00042	.00237	.00154

ARC 218-1-12 OA101 (OV102) (A2Q0D2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 232/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-11.849	.03750	.08630	.00450	.00760	.03860	.08120	.06640	-4.98540
.251	-8.038	.03760	.08580	.00440	.00740	.03070	.08460	.05370	-4.98770
.251	-5.850	.03750	.08540	.00430	.00750	.02660	.08720	.04150	-4.99000
.251	-3.103	.03740	.08390	.00430	.00740	.01710	.08550	.04610	-4.97540
.251	.050	.03730	.08320	.00420	.00740	.00750	.08710	.06620	-4.99540
.251	2.884	.03710	.08170	.00420	.00740	-.00650	.09020	.03360	-4.97750
.251	5.950	.03700	.08020	.00420	.00740	-.01830	.09090	.04360	-4.98260
.251	8.081	.03690	.07910	.00420	.00740	-.02890	.09100	.04600	-4.98020
.251	12.047	.03670	.07650	.00430	.00770	-.05120	.08900	.03830	-4.97780
.251	16.370	.03630	.07330	.00460	.00770	-.07410	.08330	.05120	-4.99050
.251	22.500	.03590	.06870	.00470	.00810	-.11200	.08100	.05130	-4.99510
	GRADIENT	-.00005	-.00036	-.00002	-.00000	-.00393	.00078	-.00193	-.00046

ARC 218-1-12 0A101 (0V102) (A2Q0D4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	16.400	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	3.000		

RUN NO. 253/ 0 RN/L = 2.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-3.914	.00000	.00000	.00000	.00000	.00000	.00000	-.00280	-.01740
.252	-2.010	.00000	.00000	.00000	.00000	.00000	.00000	-.00270	-.02220
.252	.040	.00000	.00000	.00000	.00000	.00000	.00000	.00460	-.02470
.251	2.088	.00000	.00000	.00000	.00000	.00000	.00000	.00450	-.03460
.251	4.095	.00000	.00000	.00000	.00000	.00000	.00000	.02410	-.05410
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00304	-.00427

ARC 218-1-12 0A101 (0V102) (A2Q0D5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	16.500	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 249/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.250	-6.128	.00000	.00000	.00000	.00000	.00000	.00000	-.00230	-.01270
.250	-3.882	.00000	.00000	.00000	.00000	.00000	.00000	-.00940	-.01560
.250	-2.031	.00000	.00000	.00000	.00000	.00000	.00000	.00470	-.02460
.250	.027	.00000	.00000	.00000	.00000	.00000	.00000	.00220	-.02710
.249	2.069	.00000	.00000	.00000	.00000	.00000	.00000	.00220	-.02220
.250	4.105	.00000	.00000	.00000	.00000	.00000	.00000	.00260	-.01760
.250	6.188	.00000	.00000	.00000	.00000	.00000	.00000	-.00740	-.02270
.250	6.976	.00000	.00000	.00000	.00000	.00000	.00000	-.00020	-.01970
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00104	-.00006

ARC 218-1-12 0A101 (0V102) (A2Q0D6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 251/ 0 RN/L = 2.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-7.741	.00000	.00000	.00000	.00000	.00000	.00000	.00310	-.03240
.251	-5.471	.00000	.00000	.00000	.00000	.00000	.00000	.01530	-.03000
.251	-.083	.00000	.00000	.00000	.00000	.00000	.00000	.01250	-.02720
.251	2.676	.00000	.00000	.00000	.00000	.00000	.00000	-.00190	-.01780
.250	5.431	.00000	.00000	.00000	.00000	.00000	.00000	-.00250	-.01230
.250	7.078	.00000	.00000	.00000	.00000	.00000	.00000	.00740	-.01210
.250	8.722	.00000	.00000	.00000	.00000	.00000	.00000	.00950	-.03940
.250	10.911	.00000	.00000	.00000	.00000	.00000	.00000	.00230	-.02700
.251	13.098	.00000	.00000	.00000	.00000	.00000	.00000	.00240	-.02690
.250	16.250	.00000	.00000	.00000	.00000	.00000	.00000	-.00220	-.03710
.249	18.253	.00000	.00000	.00000	.00000	.00000	.00000	.00960	-.02950
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00522	.00341

ARC 218-1-12 0A101 (0V102) (A2Q0D7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 250/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.250	-7.798	.00000	.00000	.00000	.00000	.00000	.00000	.05400	-.05900
.251	-5.541	.00000	.00000	.00000	.00000	.00000	.00000	.00240	-.02690
.250	-.081	.00000	.00000	.00000	.00000	.00000	.00000	.03690	-.05170
.251	2.694	.00000	.00000	.00000	.00000	.00000	.00000	.02430	-.03920
.250	5.485	.00000	.00000	.00000	.00000	.00000	.00000	-.00240	-.01280
.250	7.146	.00000	.00000	.00000	.00000	.00000	.00000	-.00020	-.01490
.251	8.814	.00000	.00000	.00000	.00000	.00000	.00000	-.00720	-.03230
.251	11.031	.00000	.00000	.00000	.00000	.00000	.00000	-.01520	-.02310
.250	13.221	.00000	.00000	.00000	.00000	.00000	.00000	-.00530	-.02490
.250	16.433	.00000	.00000	.00000	.00000	.00000	.00000	-.00530	-.02490
.249	18.477	.00000	.00000	.00000	.00000	.00000	.00000	-.00060	-.03970
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00454	.00450

ARC 218-1-12 OA101 (OV102) (A2Q0D8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-OB =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 236/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-4.011	.02480	.07030	.00140	.00610	.00000	.00000	-.00920	-2.01060
.251	-1.983	.02330	.06040	.00120	.00470	.00000	.00000	.04770	-1.06240
.25.	-.005	.02180	.05090	.00100	.00320	.00000	.00000	.01200	-.03680
.252	1.983	.02000	.04100	.00080	.00190	.00000	.00000	-.01330	.98700
.252	3.995	.01830	.03280	.00070	.00060	.00000	.00000	-.00990	1.98530
	GRADIENT	-.00082	-.00472	-.00009	-.00069	.00000	.00000	-.00310	.50255

ARC 218-1-12 OA101 (OV102) (A2Q0D9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-OB =	5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 237/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	.990	.00820	.04090	-.00150	.00220	.00000	.00000	.05430	2.98570
.252	2.991	.00710	.03250	-.00160	.00080	.00000	.00000	.01990	4.00820
.252	4.995	.00580	.02500	-.00170	-.00030	.00000	.00000	.01570	5.01000
.251	6.996	.00470	.01670	-.00190	-.00160	.00000	.00000	.02390	6.01290
.251	8.999	.00280	.00710	-.00200	-.00300	.00000	.00000	.00960	6.98760
	GRADIENT	-.00060	-.00397	-.00005	-.00062	.00000	.00000	-.00964	.50548

ARC 218-1-12 OA101 (OV102) (A2Q0E0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-OB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 238/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-9.035	.03970	.10400	.00470	.01000	.00000	.00000	.03020	-6.98190
.251	-7.020	.03830	.09310	.00440	.00870	.00000	.00000	.06150	-6.00920
.251	-5.022	.03680	.08260	.00420	.00730	.00000	.00000	.03120	-4.97520
.251	-3.006	.03520	.07160	.00400	.00600	.00000	.00000	.04540	-3.96970
.251	-.989	.03370	.06090	.00380	.00460	.00000	.00000	.04930	-2.96380
	GRADIENT	-.00074	-.00530	-.00010	-.00069	.00000	.00000	.00193	.49864

ARC 218-1-12 OA101 (OV102) (A2Q0E1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-IB =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 239/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-4.075	.03080	.05510	.00320	.00380	.00000	.00000	.08890	-2.04230
.250	-1.977	.02660	.05340	.00210	.00370	.00000	.00000	.01080	-.99630
.251	-.004	.02180	.05070	.00110	.00330	.00000	.00000	-.01270	-.00740
.250	1.957	.01670	.04850	.00000	.00310	.00000	.00000	-.00490	.97090
.251	3.929	.01140	.04550	-.00090	.00290	.00000	.00000	.04620	1.95150
	GRADIENT	-.00244	-.00121	-.00052	-.00012	.00000	.00000	-.00521	.49922

ARC 218-1-12 OA101 (OV102) (A2C0E2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-IB =	5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 240/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	1.005	.01580	.02850	.00020	-.00010	.00000	.00000	.00610	3.00290
.251	2.966	.01080	.02680	-.00080	-.00010	.00000	.00000	.00320	3.98330
.251	5.011	.00560	.02520	-.00170	-.00030	.00000	.00000	.03290	5.00270
.251	6.984	.00060	.02350	-.00260	-.00050	.00000	.00000	.02900	5.98750
.251	8.983	-.00530	.02200	-.00360	-.00040	.00000	.00000	-.00660	6.98360
	GRADIENT	-.00255	-.00087	-.00051	.00000	.00000	.00000	-.00148	.50003

ARC 218-1-12 OA101 (OV102) (A2Q0E3) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-IB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 241/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-9.044	.04420	.08690	.00620	.00780	.00000	.00000	-.02720	-7.03570
.251	-7.036	.04110	.08530	.00520	.00760	.00000	.00000	.01380	-6.02660
.251	-4.938	.03670	.08270	.00420	.00740	.00000	.00000	.04600	-4.98020
.251	-2.928	.03250	.08050	.00320	.00730	.00000	.00000	.05330	-3.97010
.251	-1.014	.02780	.07700	.00210	.00700	.00000	.00000	.02610	-3.01280
	GRADIENT	-.00227	-.00145	-.00053	-.00010	.00000	.00000	-.00500	.50126

ARC 218-1-12 0A101 (0V102) (A2Q0E4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 242/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-4.025	.02450	.06960	.00150	.00610	.00000	.00000	-1.98800	-.04170
.251	-2.015	.02310	.06010	.00120	.00470	.00000	.00000	-1.00260	-.02230
.251	-.010	.02180	.05080	.00100	.00330	.00000	.00000	-.01000	-.01490
.251	1.958	.02040	.04180	.00080	.00190	.00000	.00000	.97880	-.02920
.251	3.997	.01920	.03440	.00070	.00050	.00000	.00000	1.99580	-.01060
	GRADIENT	-.00066	-.00443	-.00010	-.00070	.00000	.00000	.49706	.00277

ARC 218-1-12 0A101 (0V102) (A2Q0E5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 243/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-4.032	.00790	.03940	-.00150	.00220	.00000	.00000	-1.96660	4.99160
.251	-2.015	.00700	.03240	-.00160	.00090	.00000	.00000	-.96320	4.99140
.251	-.013	.00580	.02520	-.00170	-.00030	.00000	.00000	.04550	4.99100
.251	2.002	.00480	.01780	-.00190	-.00170	.00000	.00000	1.06050	4.99130
.251	3.982	.00330	.00870	-.00210	-.00310	.00000	.00000	2.04530	4.98670
	GRADIENT	-.00057	-.00379	-.00007	-.00066	.00000	.00000	.50122	-.00049

ARC 218-1-12 OA101 (OV102) (A2Q0E6) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 244/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-4.055	.03920	.10230	.00460	.01000	.00000	.00000	-1.97770	-4.97490
.251	-2.023	.03810	.09260	.00440	.00870	.00000	.00000	-.95360	-4.99410
.251	-.013	.03670	.08200	.00430	.00740	.00000	.00000	.05360	-4.99280
.251	1.976	.03550	.07260	.00410	.00600	.00000	.00000	1.03820	-4.98740
.251	4.008	.03400	.06280	.00380	.00450	.00000	.00000	2.04900	-4.96830
	GRADIENT	-.00065	-.00492	-.00009	-.00068	.00000	.00000	.49913	.00099

ARC 218-1-12 OA101 (OV102) (A2Q0E7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 245/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-3.838	.03050	.05420	.00320	.00390	.00000	.00000	-1.92690	-.02660
.251	-2.388	.02860	.05360	.00270	.00370	.00000	.00000	-1.20190	-.24920
.251	.024	.02190	.05100	.00110	.00330	.00000	.00000	.00450	-.02480
.251	2.078	.01650	.04830	-.00010	.00310	.00000	.00000	1.03640	-.04150
.251	4.267	.01030	.04580	-.00120	.00290	.00000	.00000	2.12840	.10580
	GRADIENT	-.00255	-.00108	-.00056	-.00013	.00000	.00000	.50050	.02488

ARC 218-1-12 OA101 (OV102) (A2Q0E8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 246/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-3.974	.01550	.02800	.00020	-.00010	.00000	.00000	-1.99090	4.99450
.251	-1.984	.01100	.02680	-.00070	-.00020	.00000	.00000	-.99160	4.99160
.251	.065	.00580	.02530	-.00170	-.00030	.00000	.00000	.03070	5.02980
.251	2.064	.00050	.02400	-.00260	-.00050	.00000	.00000	1.02540	5.00060
.251	4.116	-.00510	.02180	-.00360	-.00060	.00000	.00000	2.04640	4.93190
	GRADIENT	-.00256	-.00075	-.00047	-.00006	.00000	.00000	.49889	-.00576

ARC 218-1-12 OA101 (OV102) (A2Q0E9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 247/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-4.020	.04380	.08640	.00620	.00790	.00000	.00000	-2.01660	-5.04590
.251	-1.979	.04090	.08420	.00520	.00780	.00000	.00000	-.99850	-5.00730
.251	.140	.03710	.08280	.00420	.00750	.00000	.00000	.06130	-5.00060
.251	2.081	.03250	.07970	.00320	.00720	.00000	.00000	1.03430	-4.98530
.251	4.025	.02790	.07710	.00210	.00700	.00000	.00000	2.01100	-4.99280
	GRADIENT	-.00199	-.00114	-.00051	-.00012	.00000	.00000	.50060	.00640

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0F0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 345/ 0 RN/L = 8.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-8.065	.03590	.06320	.00250	.00320	.00540	-.00790	-.01730	-.00780
.253	-5.565	.03300	.06150	.00210	.00290	.00630	-.00770	-.02460	-.00550
.253	-.082	.02790	.05770	.00140	.00240	.00840	-.00880	-.02260	-.00250
.253	2.734	.02560	.05490	.00110	.00250	.00980	-.00900	-.02260	-.00240
.253	5.630	.02240	.05190	.00070	.00300	.00740	-.00870	-.00160	.03450
.254	7.190	.01980	.05050	.00040	.00310	.00540	-.00900	-.02540	-.00950
.253	8.906	.01610	.04290	-.00010	.00280	.00320	-.00970	-.00280	-.03210
.253	11.161	.01100	.03860	-.00040	.00190	.00110	-.00980	-.03310	-.00660
.253	13.345	.00590	.03580	-.00050	.00120	-.00260	-.00840	-.01540	-.00480
.252	16.629	-.00990	.01980	-.00400	.00060	-.01060	-.00810	-.00040	-.02970
.253	18.909	-.01920	.00070	-.00920	-.00260	-.01700	-.00770	-.00710	-.01750
*	GRADIENT	-.00082	-.00099	-.00011	.00004	.00050	-.00007	.00000	.00004

ARC 218-1-12 (0V102), NO SILTS POD (A2Q0F1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	4.500		

RUN NO. 352/ 0 RN/L = 4.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.254	-7.499	.00000	.00000	.00000	.00000	.00000	.00000	-.00180	.00180
.255	-5.446	.00000	.00000	.00000	.00000	.00000	.00000	-.00490	.00000
.254	-2.247	.00000	.00000	.00000	.00000	.00000	.00000	.00750	-.03240
.254	-.063	.00000	.00000	.00000	.00000	.00000	.00000	-.02090	.02110
.253	2.139	.00000	.00000	.00000	.00000	.00000	.00000	.01770	-.00760
.255	4.335	.00000	.00000	.00000	.00000	.00000	.00000	.02530	-.02030
.255	6.538	.00000	.00000	.00000	.00000	.00000	.00000	.01760	-.01260
.255	8.791	.00000	.00000	.00000	.00000	.00000	.00000	.00280	-.01270
.254	10.985	.00000	.00000	.00000	.00000	.00000	.00000	.01030	-.00530
.254	13.170	.00000	.00000	.00000	.00000	.00000	.00000	.00010	.00490
.254	14.251	.00000	.00000	.00000	.00000	.00000	.00000	-.00730	-.00250
.254	15.269	.00000	.00000	.00000	.00000	.00000	.00000	.01260	-.02240
.254	16.367	.00000	.00000	.00000	.00000	.00000	.00000	.00240	-.01220
.253	17.465	.00000	.00000	.00000	.00000	.00000	.00000	-.00640	.00150
.253	18.595	.00000	.00000	.00000	.00000	.00000	.00000	.00830	-.00830
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00420	.00033

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0F2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 8.000

RUN NO. 350/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-7.850	.00000	.00000	.00000	.00000	.00000	.00000	-.02040	-.00980
.253	-5.574	.00000	.00000	.00000	.00000	.00000	.00000	.00730	-.01220
.254	-.077	.00000	.00000	.00000	.00000	.00000	.00000	-.00760	-.03760
.253	2.702	.00000	.00000	.00000	.00000	.00000	.00000	.00220	-.03680
.253	5.553	.00000	.00000	.00000	.00000	.00000	.00000	-.00170	-.03760
.254	7.225	.00000	.00000	.00000	.00000	.00000	.00000	-.01260	-.02240
.254	8.921	.00000	.00000	.00000	.00000	.00000	.00000	-.01240	-.04240
.253	11.151	.00000	.00000	.00000	.00000	.00000	.00000	-.01270	-.02740
.253	13.402	.00000	.00000	.00000	.00000	.00000	.00000	-.01280	-.03240
.248	16.653	.00000	.00000	.00000	.00000	.00000	.00000	-.01980	-.03020
.252	18.708	.00000	.00000	.00000	.00000	.00000	.00000	-.00310	-.04700
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00353	.00029

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0F3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 346/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.254	-6.205	.02060	.05820	.00050	.00400	-.00140	-.00080	-.01470	-.00510
.255	-4.116	.02090	.05650	.00060	.00360	.00080	-.00540	-.00250	-.02760
.255	-2.067	.02170	.05470	.00060	.00330	.00480	-.00810	-.01240	.00240
.254	-.985	.02210	.05360	.00070	.00310	.00550	-.00890	-.01040	.00020
.251	-.174	.02310	.05380	.00070	.00310	.00510	-.00990	-.02540	.00540
.254	.604	.02280	.05160	.00070	.00290	.00560	-.00920	.00000	-.02020
.254	1.061	.02320	.05140	.00070	.00270	.00630	-.01020	.01230	-.02250
.254	2.049	.02330	.05020	.00090	.00270	.00810	-.01290	-.01250	.00230
.253	3.151	.02360	.04880	.00090	.00240	.00830	-.01540	.00700	-.03210
.254	4.248	.02410	.04730	.00110	.00230	.00560	-.01790	-.02030	-.00440
.254	6.210	.02450	.04680	.00120	.00210	.00370	-.02320	.00520	-.01010
.254	8.467	.02450	.04270	.00140	.00200	.00110	-.02260	-.01510	.00510
.253	10.232	.02430	.03990	.00150	.00140	-.00170	-.02110	-.00750	-.01240
	GRADIENT	.00038	-.00112	.00006	-.00016	.00066	-.00142	.00001	-.00006

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0F4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 348/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-6.124	.00000	.00000	.00000	.00000	.00000	.00000	-.04570	-.00440
.253	-4.147	.00000	.00000	.00000	.00000	.00000	.00000	-.01030	-.03960
.253	-2.515	.00000	.00000	.00000	.00000	.00000	.00000	-.02250	-.02250
.253	-1.045	.00000	.00000	.00000	.00000	.00000	.00000	-.00760	-.03690
.252	-.208	.00000	.00000	.00000	.00000	.00000	.00000	.00470	-.03440
.253	.606	.00000	.00000	.00000	.00000	.00000	.00000	-.01510	-.02480
.253	1.053	.00000	.00000	.00000	.00000	.00000	.00000	.01220	-.02690
.253	2.069	.00000	.00000	.00000	.00000	.00000	.00000	-.01260	-.03710
.252	3.134	.00000	.00000	.00000	.00000	.00000	.00000	-.01030	-.02980
.253	4.146	.00000	.00000	.00000	.00000	.00000	.00000	-.01230	-.02760
.253	6.189	.00000	.00000	.00000	.00000	.00000	.00000	-.02810	-.00200
.253	8.216	.00000	.00000	.00000	.00000	.00000	.00000	.00680	-.06160
.253	10.642	.00000	.00000	.00000	.00000	.00000	.00000	.01170	-.05670
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00046	.00062

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0F5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 349/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-8.016	.00000	.00000	.00000	.00000	.00000	.00000	-.05430	.00930
.253	-5.546	.00000	.00000	.00000	.00000	.00000	.00000	-.01270	-.04200
.253	-.119	.00000	.00000	.00000	.00000	.00000	.00000	-.04850	-.01140
.253	2.719	.00000	.00000	.00000	.00000	.00000	.00000	-.01740	-.04250
.253	5.656	.00000	.00000	.00000	.00000	.00000	.00000	-.02250	-.03720
.252	7.188	.00000	.00000	.00000	.00000	.00000	.00000	-.05360	-.01650
.252	8.903	.00000	.00000	.00000	.00000	.00000	.00000	-.05900	-.00600
.252	11.150	.00000	.00000	.00000	.00000	.00000	.00000	-.00520	-.03450
.253	13.354	.00000	.00000	.00000	.00000	.00000	.00000	-.02480	-.03460
.251	16.625	.00000	.00000	.00000	.00000	.00000	.00000	-.02460	-.02510
.253	18.862	.00000	.00000	.00000	.00000	.00000	.00000	-.03170	-.03300
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.01096	-.01096

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0F6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 351/ 0 RN/L = 7.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-22.863	.00000	.00000	.00000	.00000	.00000	.00000	-.01510	-.02970
.253	-17.979	.00000	.00000	.00000	.00000	.00000	.00000	-.01770	-.02260
.253	-15.101	.00000	.00000	.00000	.00000	.00000	.00000	.01960	-.03990
.253	-10.031	.00000	.00000	.00000	.00000	.00000	.00000	-.00540	-.03960
.253	-4.980	.00000	.00000	.00000	.00000	.00000	.00000	.00040	-.01510
.253	-2.487	.00000	.00000	.00000	.00000	.00000	.00000	.02430	-.03920
.253	.113	.00000	.00000	.00000	.00000	.00000	.00000	-.01710	-.02280
.252	2.508	.00000	.00000	.00000	.00000	.00000	.00000	.02540	-.02520
.253	5.121	.00000	.00000	.00000	.00000	.00000	.00000	-.00940	-.01520
.253	10.315	.00000	.00000	.00000	.00000	.00000	.00000	.02230	-.04210
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00125	-.00054

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0F7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 369/ 0 RN/L = 7.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-8.004	.03540	.06440	.00270	.00340	.00040	.08270	.03770	-.02270
.252	-5.494	.03250	.06260	.00230	.00300	-.00250	.08610	.02990	-.01490
.251	-.086	.02790	.05900	.00150	.00260	.00000	.09200	.02250	-.02230
.252	2.726	.02520	.05560	.00120	.00260	.00320	.09130	.02490	-.02970
.252	5.618	.02210	.05230	.00080	.00280	-.00030	.08840	.03320	-.02800
.252	7.144	.01920	.05030	.00060	.00300	.00080	.09200	.03490	-.01490
.252	8.889	.01560	.04280	.00020	.00290	-.00280	.09000	.03310	-.03300
.252	11.088	.01070	.03820	-.00010	.00200	-.00530	.08770	-.00140	-.01330
.251	13.315	.00580	.03490	-.00010	.00130	-.00580	.08770	.01680	-.02170
.251	16.569	-.00910	.02000	-.00330	.00050	-.01840	.08590	.00850	-.03800
.251	18.794	-.01960	.00230	-.00870	-.00190	-.02110	.08610	.01600	-.02080
	GRADIENT	-.00096	-.00121	-.00011	.00000	.00114	-.00025	.00085	-.00263

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0F8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 8.000

RUN NO. 370/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-7.841	.00000	.00000	.00000	.00000	.00000	.00000	.00320	-.00300
.251	-5.551	.00000	.00000	.00000	.00000	.00000	.00000	.03070	-.03050
.252	-.037	.00000	.00000	.00000	.00000	.00000	.00000	.02590	-.01580
.252	2.726	.00000	.00000	.00000	.00000	.00000	.00000	.03350	-.04320
.251	5.525	.00000	.00000	.00000	.00000	.00000	.00000	.03560	-.04520
.252	7.194	.00000	.00000	.00000	.00000	.00000	.00000	.00900	-.02870
.252	8.848	.00000	.00000	.00000	.00000	.00000	.00000	.04050	-.04030
.252	11.104	.00000	.00000	.00000	.00000	.00000	.00000	.03810	-.02810
.251	16.568	.00000	.00000	.00000	.00000	.00000	.00000	.01810	-.00310
.250	18.611	.00000	.00000	.00000	.00000	.00000	.00000	.02500	-.03450
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00275	-.00992

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0F9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 371/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-6.088	.02070	.05890	.00080	.00420	-.00470	.11780	.00110	-.01080
.251	-4.134	.02090	.05760	.00080	.00390	-.00220	.11100	.02000	-.02970
.251	-2.083	.02160	.05520	.00090	.00350	-.00390	.10300	.01140	-.00630
.251	-1.032	.02180	.05400	.00100	.00330	-.00100	.09530	.01840	-.01840
.251	-.187	.02230	.05300	.00090	.00310	-.00010	.09220	-.01470	-.00990
.251	.569	.02280	.05230	.00100	.00290	.00320	.08970	.05030	-.04020
.251	1.064	.02280	.05170	.00100	.00280	-.00030	.08500	-.05170	.00580
.251	2.071	.02320	.05060	.00110	.00270	.00170	.08500	.04270	-.06740
.251	3.133	.02360	.04970	.00110	.00260	.00240	.08300	-.00250	.01250
.251	4.144	.02380	.04840	.00120	.00230	.00020	.07560	.02260	-.01730
.251	6.172	.02390	.04710	.00130	.00220	.00030	.06750	.02500	-.02470
.252	8.199	.02410	.04370	.00150	.00200	-.00140	.06200	-.01750	-.04200
.251	10.189	.02420	.04060	.00180	.00140	-.00440	.06090	.03030	-.03490
	GRADIENT	.00037	-.00110	.00004	-.00019	.00059	-.00410	-.00024	.00065

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0GC) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 372/ 0 RN/L = 7.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.138	.00000	.00000	.00000	.00000	.00000	.00000	.01490	.00030
.251	-4.098	.00000	.00000	.00000	.00000	.00000	.00000	.04020	-.02500
.251	-2.056	.00000	.00000	.00000	.00000	.00000	.00000	.02840	-.00840
.251	-1.027	.00000	.00000	.00000	.00000	.00000	.00000	.01860	-.01330
.251	-.208	.00000	.00000	.00000	.00000	.00000	.00000	.01640	-.03590
.251	.512	.00000	.00000	.00000	.00000	.00000	.00000	-.00380	-.01050
.251	1.038	.00000	.00000	.00000	.00000	.00000	.00000	.04820	-.06760
.251	2.086	.00000	.00000	.00000	.00000	.00000	.00000	.06000	-.05500
.251	3.143	.00000	.00000	.00000	.00000	.00000	.00000	.03890	-.03380
.251	4.131	.00000	.00000	.00000	.00000	.00000	.00000	.05300	-.05300
.251	6.165	.00000	.00000	.00000	.00000	.00000	.00000	.03090	-.00590
.251	8.195	.00000	.00000	.00000	.00000	.00000	.00000	.03060	-.07540
.251	10.187	.00000	.00000	.00000	.00000	.00000	.00000	.01150	-.02620
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00284	-.00480

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0G1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 373/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-7.977	.00000	.00000	.00000	.00000	.00000	.00000	.03210	-.01680
.251	-5.513	.00000	.00000	.00000	.00000	.00000	.00000	.01260	-.02730
.251	-.063	.00000	.00000	.00000	.00000	.00000	.00000	.01720	-.02190
.251	2.730	.00000	.00000	.00000	.00000	.00000	.00000	-.01700	-.01220
.251	5.052	.00000	.00000	.00000	.00000	.00000	.00000	.00860	-.01350
.251	5.622	.00000	.00000	.00000	.00000	.00000	.00000	.02040	-.04000
.251	7.180	.00000	.00000	.00000	.00000	.00000	.00000	-.01200	-.01240
.251	8.893	.00000	.00000	.00000	.00000	.00000	.00000	-.00030	.02050
.251	11.099	.00000	.00000	.00000	.00000	.00000	.00000	-.00960	-.01000
.251	13.298	.00000	.00000	.00000	.00000	.00000	.00000	.01990	-.04940
.250	16.539	.00000	.00000	.00000	.00000	.00000	.00000	.02730	-.04200
.249	18.780	.00000	.00000	.00000	.00000	.00000	.00000	.01560	-.02030
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.01225	.00347

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0G2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 368/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-22.892	.00000	.00000	.00000	.00000	.00000	.00000	.03680	-.02680
.251	-18.043	.00000	.00000	.00000	.00000	.00000	.00000	.02000	-.01000
.252	-14.934	.00000	.00000	.00000	.00000	.00000	.00000	-.01070	.02110
.252	-10.052	.00000	.00000	.00000	.00000	.00000	.00000	.02770	-.01200
.252	-4.919	.00000	.00000	.00000	.00000	.00000	.00000	-.00280	.00780
.252	-2.417	.00000	.00000	.00000	.00000	.00000	.00000	-.01360	.02360
.252	.066	.00000	.00000	.00000	.00000	.00000	.00000	.01480	-.00480
.252	2.556	.00000	.00000	.00000	.00000	.00000	.00000	.01980	-.01440
.252	5.064	.00000	.00000	.00000	.00000	.00000	.00000	.04170	-.02670
.251	10.099	.00000	.00000	.00000	.00000	.00000	.00000	.01970	-.00960
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00386	-.00381

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0G3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 353/ 0 RN/L = 7.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-8.053	.03600	.06330	.00300	.00370	-.00200	.20500	.00270	-.02240
.251	-5.555	.03320	.06090	.00250	.00320	-.00490	.21200	.00940	-.03460
.251	-.097	.02830	.05760	.00170	.00260	-.00020	.21620	-.01190	-.01800
.251	2.697	.02600	.05500	.00140	.00280	.00070	.21830	-.00720	-.01270
.251	5.628	.02310	.05180	.00110	.00330	-.00320	.21790	-.00220	-.01260
.251	7.164	.02010	.04990	.00080	.00340	-.00250	.22340	.01470	-.01460
.251	8.921	.01650	.04280	.00040	.00320	-.00310	.22300	.02980	-.01410
.251	11.113	.01150	.03890	-.00010	.00240	-.00380	.22490	.00220	-.02710
.251	13.313	.00650	.03610	.00000	.00170	-.00780	.23020	-.02520	-.01460
.251	16.556	-.00900	.02020	-.00310	.00110	-.01470	.21700	.02160	-.05660
.249	18.824	-.01850	.00140	-.00870	-.00200	-.02430	.22550	.01940	-.02940
	GRADIENT	-.00082	-.00093	-.00011	.00007	.00032	.00075	.00168	.00190

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0G4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 359/ 0 RN/L = 4.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-7.878	.03490	.06070	.00310	.00370	-.00520	.20230	.04060	-.02560
.252	-5.456	.03230	.05920	.00250	.00340	-.00300	.21170	.04340	-.02840
.253	-.084	.02740	.05570	.00180	.00270	-.00330	.21550	.02820	-.02810
.252	2.669	.02510	.05320	.00160	.00300	-.00360	.21510	.04330	-.03830
.250	4.547	.02310	.05140	.00120	.00320	-.00140	.21380	-.00820	.00820
.251	5.557	.02170	.04960	.00120	.00330	-.00550	.21530	.02490	-.01480
.251	7.057	.01970	.04840	.00080	.00350	-.00600	.22140	.02720	-.01680
.251	8.752	.01570	.04090	.00050	.00340	-.00430	.22170	.01230	-.01700
.251	10.944	.01070	.03780	.00010	.00240	-.00570	.22120	.01230	-.01700
.251	13.087	.00590	.03340	.00010	.00160	-.01140	.22210	.01950	-.02440
.249	16.303	-.00960	.02180	-.00300	.00120	-.01910	.22700	.03920	-.02920
.249	18.505	-.01890	.00370	-.00850	-.00130	-.02450	.21320	.01710	-.02200
	GRADIENT	-.00092	-.00093	-.00013	.00011	.00037	-.00035	-.00687	.00699

ARC 218-1-12 OA101 (OV102) NO SILTS, F.D. SEALED (A2Q0G5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 360/ 0 RN/L = 5.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-7.856	.03580	.06020	.00230	.00390	-.00330	.20730	.00620	.02950
.253	-5.464	.03290	.05910	.00260	.00370	-.00480	.21560	.01340	.00660
.253	-.071	.02770	.05540	.00210	.00340	-.00200	.21730	.03070	-.01030
.253	2.683	.02570	.05350	.00170	.00350	.00000	.21980	.02060	-.00020
.253	5.521	.02300	.05030	.00130	.00390	-.00350	.21910	.04960	-.02920
.252	7.027	.02110	.04890	.00090	.00410	-.00300	.21500	.01480	-.00480
.253	8.700	.01780	.04180	.00050	.00400	-.00260	.22220	.02000	-.01500
.252	10.903	.01340	.03870	-.00010	.00330	-.00500	.21890	.02290	-.02780
.252	13.096	.00790	.03480	-.00030	.00260	-.00890	.22440	-.00760	-.00230
.251	16.257	-.00680	.02290	-.00290	.00180	-.01860	.22530	.02470	-.01440
.250	18.528	-.01410	.00380	-.00760	-.00080	-.02490	.22360	.00740	-.01220
	GRADIENT	-.00073	-.00069	-.00015	.00004	.00073	.00091	-.00367	.00367

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0G6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 8.000

RUN NO. 357/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-7.850	.00000	.00000	.00000	.00000	.00000	.00000	.02310	.00190
.251	-5.572	.00000	.00000	.00000	.00000	.00000	.00000	.05950	-.02930
.251	-.084	.00000	.00000	.00000	.00000	.00000	.00000	-.00460	-.00500
.252	2.703	.00000	.00000	.00000	.00000	.00000	.00000	.02100	-.00600
.251	5.530	.00000	.00000	.00000	.00000	.00000	.00000	.02790	-.01780
.252	7.190	.00000	.00000	.00000	.00000	.00000	.00000	.02000	-.01500
.251	8.862	.00000	.00000	.00000	.00000	.00000	.00000	.05670	-.04670
.252	11.129	.00000	.00000	.00000	.00000	.00000	.00000	.02740	-.03210
.251	13.340	.00000	.00000	.00000	.00000	.00000	.00000	.01490	-.03480
.251	16.567	.00000	.00000	.00000	.00000	.00000	.00000	-.00710	-.00760
.250	18.670	.00000	.00000	.00000	.00000	.00000	.00000	.02530	-.02530
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00919	-.00036

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0G7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 354/ 0 RN/L = 7.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-6.143	.02130	.05800	.00080	.00440	-.00850	.24010	.00520	-.01010
.251	-4.104	.02190	.05700	.00090	.00410	-.00670	.23940	.02720	-.00210
.251	-2.101	.02230	.05500	.00090	.00370	-.00630	.23870	.01480	.00020
.250	-1.062	.02270	.05410	.00100	.00360	-.00090	.23740	.01290	-.02790
.251	-.223	.02310	.05300	.00100	.00340	-.00120	.21680	.02320	-.03320
.251	.608	.02350	.05250	.00120	.00320	.00080	.21990	-.00730	-.00250
.252	1.065	.02330	.05070	.00120	.00310	-.00140	.22060	.02930	-.02930
.251	2.089	.02390	.05010	.00120	.00300	.00050	.21460	.00920	-.04940
.251	3.175	.02420	.04870	.00130	.00280	.00030	.20930	.01220	-.01710
.251	4.162	.02450	.04690	.00140	.00270	-.00050	.21100	.01240	-.00230
.251	6.226	.02510	.04710	.00160	.00240	-.00330	.20370	.01970	-.01940
.251	8.227	.02500	.04280	.00170	.00230	-.00330	.19660	.03180	-.04150
.251	10.229	.02490	.03950	.00190	.00160	-.00450	.20460	.00490	-.00970
	GRADIENT	.00033	-.00122	.00007	-.00017	.00087	-.00424	-.00146	-.00164

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0G8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 355/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.170	.00000	.00000	.00000	.00000	.00000	.00000	-.00760	.00300
.252	-4.195	.00000	.00000	.00000	.00000	.00000	.00000	.01740	.00270
.251	-2.102	.00000	.00000	.00000	.00000	.00000	.00000	.01970	-.00960
.251	-1.049	.00000	.00000	.00000	.00000	.00000	.00000	.03960	-.03950
.251	-.204	.00000	.00000	.00000	.00000	.00000	.00000	.00250	-.00730
.251	.603	.00000	.00000	.00000	.00000	.00000	.00000	.01730	-.00220
.251	1.060	.00000	.00000	.00000	.00000	.00000	.00000	-.01900	.03400
.251	2.066	.00000	.00000	.00000	.00000	.00000	.00000	.01230	-.01210
.251	3.148	.00000	.00000	.00000	.00000	.00000	.00000	.05920	-.05890
.251	4.155	.00000	.00000	.00000	.00000	.00000	.00000	.01980	.00030
.251	6.223	.00000	.00000	.00000	.00000	.00000	.00000	.03750	-.01220
.251	8.217	.00000	.00000	.00000	.00000	.00000	.00000	.02210	-.01700
.251	10.187	.00000	.00000	.00000	.00000	.00000	.00000	.02460	-.01450
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00114	-.00159

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0G9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 356/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-8.052	.00000	.00000	.00000	.00000	.00000	.00000	.05390	-.03890
.251	-5.575	.00000	.00000	.00000	.00000	.00000	.00000	.04950	-.00910
.252	-.103	.00000	.00000	.00000	.00000	.00000	.00000	.02260	-.01250
.252	2.702	.00000	.00000	.00000	.00000	.00000	.00000	.01520	-.00520
.251	5.641	.00000	.00000	.00000	.00000	.00000	.00000	.02990	-.01990
.252	7.150	.00000	.00000	.00000	.00000	.00000	.00000	.01560	-.01540
.252	8.881	.00000	.00000	.00000	.00000	.00000	.00000	.01300	-.02780
.252	11.108	.00000	.00000	.00000	.00000	.00000	.00000	.02090	-.02570
.251	13.298	.00000	.00000	.00000	.00000	.00000	.00000	.00110	-.01080
.251	16.562	.00000	.00000	.00000	.00000	.00000	.00000	.02340	-.01830
.250	18.821	.00000	.00000	.00000	.00000	.00000	.00000	.00740	-.00230
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00264	.00260

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0H0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 358/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-22.940	.00000	.00000	.00000	.00000	.00000	.00000	.01290	.01720
.252	-18.054	.00000	.00000	.00000	.00000	.00000	.00000	.02000	-.00990
.251	-15.111	.00000	.00000	.00000	.00000	.00000	.00000	.01960	-.01460
.252	-10.020	.00000	.00000	.00000	.00000	.00000	.00000	.02030	.00480
.251	-4.888	.00000	.00000	.00000	.00000	.00000	.00000	.03990	-.00990
.251	-2.487	.00000	.00000	.00000	.00000	.00000	.00000	.01870	-.01320
.251	.019	.00000	.00000	.00000	.00000	.00000	.00000	.02310	-.00300
.251	2.641	.00000	.00000	.00000	.00000	.00000	.00000	.00820	.00200
.251	5.140	.00000	.00000	.00000	.00000	.00000	.00000	-.00150	-.00290
.251	10.001	.00000	.00000	.00000	.00000	.00000	.00000	.02570	-.03060
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00360	.00184

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0H1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	4.500
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	4.500		

RUN NO. 366/ 0 RN/L = 4.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-7.433	.00000	.00000	.00000	.00000	.00000	.00000	.01380	4.51150
.254	-5.311	.00000	.00000	.00000	.00000	.00000	.00000	.00140	4.50620
.254	-2.104	.00000	.00000	.00000	.00000	.00000	.00000	.01580	4.48520
.254	.069	.00000	.00000	.00000	.00000	.00000	.00000	.00700	4.49400
.255	2.263	.00000	.00000	.00000	.00000	.00000	.00000	.00860	4.49490
.254	4.472	.00000	.00000	.00000	.00000	.00000	.00000	.01450	4.49070
.253	6.482	.00000	.00000	.00000	.00000	.00000	.00000	.01660	4.49690
.253	8.881	.00000	.00000	.00000	.00000	.00000	.00000	.03900	4.46440
.253	11.019	.00000	.00000	.00000	.00000	.00000	.00000	.03510	4.46410
.251	13.204	.00000	.00000	.00000	.00000	.00000	.00000	.01970	4.48200
.252	14.282	.00000	.00000	.00000	.00000	.00000	.00000	.04030	4.46070
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00010	.00079

RUN NO. 361/ 0 RN/L = 4.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.399	-7.431	.00000	.00000	.00000	.00000	.00000	.00000	.00860	4.50490
.399	-5.362	.00000	.00000	.00000	.00000	.00000	.00000	.01020	4.49910
.399	-2.118	.00000	.00000	.00000	.00000	.00000	.00000	.00060	4.50710
.399	.063	.00000	.00000	.00000	.00000	.00000	.00000	.00010	4.51170
.399	2.257	.00000	.00000	.00000	.00000	.00000	.00000	.01750	4.48590
.400	4.538	.00000	.00000	.00000	.00000	.00000	.00000	.02810	4.46950
.401	6.612	.00000	.00000	.00000	.00000	.00000	.00000	.02480	4.48870
.401	8.990	.00000	.00000	.00000	.00000	.00000	.00000	.02440	4.47910
.401	11.165	.00000	.00000	.00000	.00000	.00000	.00000	.02190	4.48570
.402	13.400	.00000	.00000	.00000	.00000	.00000	.00000	.02440	4.47910
.400	14.520	.00000	.00000	.00000	.00000	.00000	.00000	.01850	4.48500
.399	15.582	.00000	.00000	.00000	.00000	.00000	.00000	.02610	4.47730
.398	16.681	.00000	.00000	.00000	.00000	.00000	.00000	.02210	4.48140
.397	17.771	.00000	.00000	.00000	.00000	.00000	.00000	.01720	4.48630
.394	18.901	.00000	.00000	.00000	.00000	.00000	.00000	.03360	4.46980
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00451	-.00627

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0H2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 4.500

RUN NO. 365/ 0 RN/L = 4.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-7.446	.00000	.00000	.00000	.00000	.00000	.00000	.03910	-.03910
.254	-5.382	.00000	.00000	.00000	.00000	.00000	.00000	.03190	-.01690
.254	-2.229	.00000	.00000	.00000	.00000	.00000	.00000	.01240	-.00710
.254	-.076	.00000	.00000	.00000	.00000	.00000	.00000	.00240	-.00240
.254	2.152	.00000	.00000	.00000	.00000	.00000	.00000	.00020	-.00020
.254	4.372	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00490
.254	6.381	.00000	.00000	.00000	.00000	.00000	.00000	.01220	-.02690
.254	8.722	.00000	.00000	.00000	.00000	.00000	.00000	.05620	-.05620
.254	10.937	.00000	.00000	.00000	.00000	.00000	.00000	-.01030	-.00500
.254	13.105	.00000	.00000	.00000	.00000	.00000	.00000	-.01290	-.00760
.252	14.159	.00000	.00000	.00000	.00000	.00000	.00000	.03160	-.04160
.252	15.192	.00000	.00000	.00000	.00000	.00000	.00000	-.03660	.01110
.252	16.263	.00000	.00000	.00000	.00000	.00000	.00000	.02250	-.04270
.252	17.359	.00000	.00000	.00000	.00000	.00000	.00000	-.00030	-.01500
.251	18.474	.00000	.00000	.00000	.00000	.00000	.00000	-.00550	-.03480
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00178	.00039

RUN NO. 362/ 0 RN/L = 4.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.402	-7.599	.00000	.00000	.00000	.00000	.00000	.00000	-.00840	.02340
.403	-5.526	.00000	.00000	.00000	.00000	.00000	.00000	-.00580	.02080
.402	-2.257	.00000	.00000	.00000	.00000	.00000	.00000	00220	.01280
.403	-.060	.00000	.00000	.00000	.00000	.00000	.00000	.01230	-.00230
.403	2.182	.00000	.00000	.00000	.00000	.00000	.00000	.02000	-.01000
.404	4.410	.00000	.00000	.00000	.00000	.00000	.00000	-.00830	.01830
.403	6.499	.00000	.00000	.00000	.00000	.00000	.00000	.01970	-.00470
.402	8.855	.00000	.00000	.00000	.00000	.00000	.00000	-.02700	.04200
.401	11.067	.00000	.00000	.00000	.00000	.00000	.00000	.02700	-.01200
.400	13.312	.00000	.00000	.00000	.00000	.00000	.00000	-.00300	.01300
.400	14.383	.00000	.00000	.00000	.00000	.00000	.00000	.00990	.00510
.398	15.454	.00000	.00000	.00000	.00000	.00000	.00000	-.01090	.02100
.396	16.577	.00000	.00000	.00000	.00000	.00000	.00000	.01970	-.00970
.396	17.681	.00000	.00000	.00000	.00000	.00000	.00000	-.01800	.01810
.394	18.830	.00000	.00000	.00000	.00000	.00000	.00000	.00490	.00010
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00108	.00041

ARC 218-1-12 (OV102), NO SILTS POD (A2Q0H3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -5.000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 4.500

RUN NO. 364/ 0 RN/L = 4.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-7.524	.00000	.00000	.00000	.00000	.00000	.00000	.05810	-4.96840
.252	-5.557	.00000	.00000	.00000	.00000	.00000	.00000	.05120	-4.97020
.253	-2.350	.00000	.00000	.00000	.00000	.00000	.00000	.07170	-5.00020
.253	-.181	.00000	.00000	.00000	.00000	.00000	.00000	.09510	-4.98570
.254	2.034	.00000	.00000	.00000	.00000	.00000	.00000	.05100	-4.98550
.254	4.246	.00000	.00000	.00000	.00000	.00000	.00000	.03300	-4.96250
.253	6.342	.00000	.00000	.00000	.00000	.00000	.00000	.07070	-4.98030
.252	8.621	.00000	.00000	.00000	.00000	.00000	.00000	.08960	-5.01340
.252	10.796	.00000	.00000	.00000	.00000	.00000	.00000	.08170	-5.00620
.252	12.971	.00000	.00000	.00000	.00000	.00000	.00000	.04090	-4.96540
.252	14.032	.00000	.00000	.00000	.00000	.00000	.00000	.06620	-5.00070
.251	15.058	.00000	.00000	.00000	.00000	.00000	.00000	.08880	-5.00910
.251	16.130	.00000	.00000	.00000	.00000	.00000	.00000	.05220	-5.00170
.251	17.224	.00000	.00000	.00000	.00000	.00000	.00000	.04690	-4.99110
.251	18.348	.00000	.00000	.00000	.00000	.00000	.00000	.07450	-5.02850
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00731	.00515

RUN NO. 363/ 0 RN/L = 4.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.399	-7.716	.00000	.00000	.00000	.00000	.00000	.00000	.06540	-4.97500
.399	-5.648	.00000	.00000	.00000	.00000	.00000	.00000	.04530	-4.95980
.401	-2.414	.00000	.00000	.00000	.00000	.00000	.00000	.01260	-4.93190
.400	-.217	.00000	.00000	.00000	.00000	.00000	.00000	.03280	-4.95210
.400	2.005	.00000	.00000	.00000	.00000	.00000	.00000	.04290	-4.96690
.400	4.249	.00000	.00000	.00000	.00000	.00000	.00000	.03790	-4.96210
.399	6.428	.00000	.00000	.00000	.00000	.00000	.00000	.07020	-4.98940
.400	8.698	.00000	.00000	.00000	.00000	.00000	.00000	.05560	-4.98960
.400	10.950	.00000	.00000	.00000	.00000	.00000	.00000	.04260	-4.96660
.399	13.156	.00000	.00000	.00000	.00000	.00000	.00000	.06010	-4.98940
.398	14.246	.00000	.00000	.00000	.00000	.00000	.00000	.04500	-4.97420
.397	15.281	.00000	.00000	.00000	.00000	.00000	.00000	.07590	-5.01490
.396	16.378	.00000	.00000	.00000	.00000	.00000	.00000	.02010	-4.94940
.395	17.479	.00000	.00000	.00000	.00000	.00000	.00000	.06060	-4.98460
.392	18.660	.00000	.00000	.00000	.00000	.00000	.00000	.03250	-4.96150
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00386	-.00473

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (A2Q0H4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 374/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-4.419	.03060	.06300	.00260	.00350	.00270	.08100	-.03820	.00330
.251	-2.347	.02860	.06050	.00220	.00320	.00170	.08170	-.03870	.00860
.251	-.228	.02670	.05840	.00200	.00290	.00180	.08310	-.03640	.01660
.251	2.045	.02510	.05720	.00160	.00300	.00200	.08330	-.03140	.02160
.250	4.209	.02290	.05500	.00130	.00330	-.00160	.08440	-.03390	.01910
.250	6.501	.01990	.05160	.00100	.00330	-.00120	.08370	-.03390	.01910
.251	8.558	.01540	.04270	.00050	.00310	-.00160	.08270	-.03160	.02670
.250	10.553	.01000	.04010	.00010	.00230	-.00240	.08160	-.03140	.02160
.249	12.723	.00530	.03800	.00030	.00160	-.00440	.08110	-.02900	.02410
.250	15.045	-.00370	.02970	-.00100	.00180	-.00840	.08140	-.03390	.01910
.249	17.181	-.01510	.01270	-.00540	.00040	-.01160	.08250	-.02910	.02400
.250	19.408	-.02560	-.00380	-.00920	-.00280	-.02170	.08270	-.02610	.02120
.249	21.632	-.03310	-.01940	-.01020	-.00580	-.03410	.08130	-.03140	.02160
	GRADIENT	-.00087	-.00089	-.00015	-.00003	-.00038	.00039	.00074	.00205

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (A200H5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 375/ 0 RN/L = 5.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.249	-4.365	.03010	.06150	.00280	.00340	-.00160	.07840	-.03590	.03100
.248	-2.198	.02810	.06030	.00230	.00310	.00270	.08080	-.03340	.03340
.249	-.204	.02630	.05930	.00210	.00300	.00080	.08270	-.03080	.03080
.249	2.035	.02460	.05640	.00180	.00310	-.00040	.08400	-.03610	.02120
.250	4.193	.02280	.05470	.00160	.00330	-.00340	.08370	-.03580	.02580
.250	6.460	.01990	.05050	.00120	.00340	-.00170	.08500	-.03350	.01840
.250	8.510	.01550	.04210	.00080	.00330	-.00390	.08210	-.03350	.01840
.250	10.487	.01040	.03840	.00040	.00240	-.00680	.08170	-.03800	.01820
.249	12.631	.00550	.03530	.00040	.00170	-.00440	.08150	-.03110	.02620
.248	14.890	-.00340	.02900	-.00090	.00180	-.00820	.08050	-.03150	.02150
.248	16.988	-.01420	.01440	-.00530	.00070	-.01400	.08120	-.03880	.01850
.250	19.230	-.02360	-.00300	-.00850	-.00210	-.02490	.07980	-.05510	.01490
.249	21.434	-.03530	-.02330	-.01020	-.00580	-.03480	.08110	-.03630	.01100
	GRADIENT	-.00085	-.00082	-.00014	-.00001	-.00032	.00064	-.00013	-.00106

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (A2Q0H6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 376/ 0 RN/L = 3.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.248	-4.362	.02900	.05810	.00250	.00360	.00380	.07800	-.04150	.01150
.248	-2.330	.02770	.05780	.00240	.00330	-.00030	.07860	-.03660	.01640
.250	-.223	.02630	.05670	.00210	.00320	.00280	.08230	-.04880	.00850
.250	2.024	.02510	.05460	.00190	.00320	.00110	.07980	-.05170	.00130
.250	4.169	.02310	.05290	.00160	.00330	-.00060	.08240	-.03140	.02160
.250	6.029	.02070	.04980	.00130	.00340	-.00340	.08200	-.02580	.01580
.249	8.445	.01560	.04110	.00090	.00340	-.00500	.08110	-.02540	.01040
.249	10.425	.01050	.03810	.00050	.00230	-.00690	.07980	-.02860	.01870
.249	12.575	.00550	.03420	.00070	.00190	-.00590	.07910	-.02580	.01580
.249	14.792	-.00360	.02850	-.00100	.00160	-.01070	.08010	-.02610	.02120
.249	16.889	-.01510	.01740	-.00620	.00110	-.01600	.07820	-.02290	.01290
.248	19.088	-.02230	.00060	-.00990	-.00090	-.02190	.07870	-.04100	.00580
.249	21.245	-.02270	-.01460	-.00920	-.00400	-.03480	.07730	-.01540	.02040
	GRADIENT	-.00067	-.00064	-.00011	-.00003	-.00034	.00046	.00025	.00024

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (A2Q0H7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 377/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-4.242	.02980	.05920	.00260	.00300	.00480	.07070	-.02800	.02820
.251	-2.235	.02800	.05760	.00220	.00270	.00480	.07320	-.03550	.02070
.251	-.052	.02640	.05540	.00180	.00260	.00210	.07680	-.02840	.02350
.251	2.140	.02510	.05420	.00170	.00270	.00220	.07850	-.01570	.03100
.251	4.309	.02350	.05170	.00150	.00300	.00110	.07890	-.02580	.02090
.251	6.622	.02030	.04710	.00120	.00300	-.00100	.07800	-.01830	.02840
.250	8.689	.01580	.04420	.00060	.00250	-.00230	.07760	-.03090	.02110
.250	10.701	.01250	.04020	.00070	.00180	-.00380	.07490	-.02320	.02350
.249	12.867	.00560	.03500	.00050	.00210	-.00440	.07550	-.02830	.01840
.249	15.126	-.00320	.02060	-.00150	.00120	-.00670	.07400	-.03030	.02060
.248	17.333	-.01340	.00510	-.00560	-.00110	-.01540	.07440	-.03280	.01810
.247	19.504	-.02730	-.01030	-.00980	-.00430	-.02300	.07440	-.03040	.02050
.247	21.769	-.03410	-.02470	-.00970	-.00730	-.02890	.07510	-.02800	.02820
	GRADIENT	-.00072	-.00086	-.00013	.00000	-.00047	.00101	.00114	-.00019

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (A200H8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 378/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.249	-4.169	.02970	.05750	.00280	.00300	.00290	.07030	-.02520	.03520
.249	-2.206	.02780	.05630	.00250	.00270	.00380	.07360	-.02860	.02860
.249	-.026	.02630	.05480	.00210	.00260	-.00010	.07630	-.03310	.02310
.248	2.133	.02500	.05270	.00190	.00270	-.00050	.07760	-.01850	.03880
.248	4.289	.02320	.05080	.00180	.00300	-.00150	.07680	-.02290	.03330
.248	6.545	.02050	.04600	.00140	.00320	-.00390	.07630	-.02350	.02850
.248	8.596	.01600	.04320	.00090	.00240	-.00220	.07700	-.02080	.02580
.248	10.642	.01300	.03890	.00090	.00200	-.00610	.07470	-.03360	.02360
.247	12.787	.00580	.03540	.00070	.00200	-.00560	.07660	-.02630	.02140
.247	14.959	-.00310	.02280	-.00130	.00160	-.01240	.07530	-.02330	.02330
.246	17.092	-.01360	.00700	-.00540	-.00020	-.01390	.07320	-.02590	.02080
.245	19.272	-.02530	-.00740	-.00880	-.00300	-.02100	.07300	-.02380	.01870
.245	21.338	-.03660	-.02290	-.01040	-.00590	-.03070	.07330	-.01870	.02370
	GRADIENT	-.00074	-.00080	-.00012	.00000	-.00062	.00079	.00071	.00032

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (A2Q0H9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	3.000		

RUN NO. 379/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.250	-4.132	.02830	.05490	.00250	.00320	.00350	.06960	-.03280	.03300
.250	-2.150	.02710	.05400	.00240	.00290	.00150	.07190	-.02620	.02110
.250	-.021	.02630	.05370	.00220	.00280	.00440	.07390	-.02570	.01060
.250	2.142	.02530	.05140	.00190	.00300	.00050	.07530	-.02840	.01310
.249	4.272	.02350	.04930	.00180	.00320	-.00040	.07760	-.02840	.01310
.249	6.503	.02020	.04420	.00140	.00330	-.00200	.07680	-.03630	.02100
.249	8.555	.01540	.04150	.00100	.00230	-.00270	.07340	-.03800	.02780
.249	10.572	.01210	.03680	.00100	.00220	-.00140	.07430	-.03370	.02350
.249	12.718	.00540	.03500	.00060	.00190	-.00620	.07370	-.03580	.02050
.248	14.877	-.00420	.02430	-.00150	.00200	-.00780	.07280	-.03790	.02260
.249	17.007	-.01410	.00940	-.00630	.00080	-.01340	.07340	-.03520	.01990
.248	19.170	-.02100	-.00420	-.00950	-.00170	-.01950	.07230	-.04000	.02470
.248	21.146	-.02090	-.01600	-.00910	-.00440	-.02500	.07050	-.03740	.02210
	GRADIENT	-.00054	-.00066	-.00009	.00001	-.00042	.00092	.00030	-.00224

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (A2Q010) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 332/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-8.047	.03560	.05720	.00250	.00330	.00020	-.01040	.03930	.01400
.252	-5.534	.03280	.05500	.00200	.00270	-.00200	-.01010	.02500	-.00430
.252	-.096	.02770	.05230	.00120	.00230	.00240	-.00950	.00240	-.00240
.251	2.738	.02550	.05010	.00090	.00230	.00290	-.01020	.03000	-.00900
.252	5.631	.02230	.04630	.00050	.00270	.00410	-.00930	.01740	-.01190
.253	7.207	.01930	.04480	.00030	.00280	.00390	-.01000	-.00270	-.02800
.252	8.929	.01590	.03770	-.00010	.00240	-.00010	-.00950	-.00450	-.03640
.252	11.133	.01140	.03500	-.00050	.00170	-.00360	-.00890	.00160	-.04240
.252	13.338	.00620	.03300	-.00050	.00120	-.00380	-.00910	.01230	-.02760
.251	16.616	-.00770	.01260	-.00410	-.00100	-.01040	-.00950	.00430	-.02990
.250	18.833	-.01720	-.00150	-.00850	-.00230	-.01520	-.00900	.01180	-.03220
	GRADIENT	-.00078	-.00078	-.00011	-.00000	.00018	-.00025	.00974	-.00233

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (A2Q011) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 8.000

RUN NO. 335/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-7.821	.00000	.00000	.00000	.00000	.00000	.00000	.02240	-.01240
.254	-5.575	.00000	.00000	.00000	.00000	.00000	.00000	.01470	-.01950
.254	-.053	.00000	.00000	.00000	.00000	.00000	.00000	.00490	-.01470
.253	2.742	.00000	.00000	.00000	.00000	.00000	.00000	.00990	.00510
.253	5.561	.00000	.00000	.00000	.00000	.00000	.00000	.00960	-.02950
.254	7.227	.00000	.00000	.00000	.00000	.00000	.00000	.00250	-.00240
.254	8.926	.00000	.00000	.00000	.00000	.00000	.00000	.01730	-.01690
.254	11.194	.00000	.00000	.00000	.00000	.00000	.00000	-.00030	.01030
.253	13.413	.00000	.00000	.00000	.00000	.00000	.00000	.01280	-.00760
.252	16.690	.00000	.00000	.00000	.00000	.00000	.00000	.02270	-.01240
.251	18.708	.00000	.00000	.00000	.00000	.00000	.00000	.01520	-.01990
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00179	.00709

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (A2Q012) (01 FEB 78)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO
SCALE	=	.0500					

PARAMETRIC DATA

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

RUN NO. 336/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-6.175	.00000	.00000	.00000	.00000	.00000	.00000	.02720	-.00210
.253	-4.181	.00000	.00000	.00000	.00000	.00000	.00000	.01740	.00280
.254	-2.120	.00000	.00000	.00000	.00000	.00000	.00000	.02470	-.01440
.253	-1.042	.00000	.00000	.00000	.00000	.00000	.00000	.00570	-.00050
.253	-.205	.00000	.00000	.00000	.00000	.00000	.00000	.01080	-.00560
.253	.591	.00000	.00000	.00000	.00000	.00000	.00000	.03030	-.02020
.253	1.060	.00000	.00000	.00000	.00000	.00000	.00000	.01710	-.02200
.253	2.111	.00000	.00000	.00000	.00000	.00000	.00000	.01010	.00520
.253	3.180	.00000	.00000	.00000	.00000	.00000	.00000	.02760	-.02210
.253	6.251	.00000	.00000	.00000	.00000	.00000	.00000	.01530	-.00510
.253	8.264	.00000	.00000	.00000	.00000	.00000	.00000	.01160	-.01140
.253	10.266	.00000	.00000	.00000	.00000	.00000	.00000	.03860	-.01860
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00058	-.00204

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (A20013) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 337/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.252	-6.109	.00000	.00000	.00000	.00000	.00000	.00000	.02580	5.01520
.252	-4.181	.00000	.00000	.00000	.00000	.00000	.00000	.03250	5.01700
.251	-2.105	.00000	.00000	.00000	.00000	.00000	.00000	.04930	5.00460
.253	-1.040	.00000	.00000	.00000	.00000	.00000	.00000	.05180	5.00220
.252	-.222	.00000	.00000	.00000	.00000	.00000	.00000	.05230	4.98820
.252	.609	.00000	.00000	.00000	.00000	.00000	.00000	.03090	5.03510
.252	1.064	.00000	.00000	.00000	.00000	.00000	.00000	.03750	5.02200
.253	2.123	.00000	.00000	.00000	.00000	.00000	.00000	.03740	5.01210
.252	3.161	.00000	.00000	.00000	.00000	.00000	.00000	.03940	4.99460
.253	4.153	.00000	.00000	.00000	.00000	.00000	.00000	.03070	4.99580
.252	6.251	.00000	.00000	.00000	.00000	.00000	.00000	.02080	5.01520
.252	8.264	.00000	.00000	.00000	.00000	.00000	.00000	.03190	4.98710
.252	10.280	.00000	.00000	.00000	.00000	.00000	.00000	.06430	4.99020
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00106	-.00133

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (A2Q014) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 333/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.252	-35.127	.10330	.21700	.01330	.01870	.01450	-.00780	-.03310
.252	-29.981	.10400	.20720	.01260	.01830	.01830	-.00830	.08590
.253	-25.059	.09050	.16660	.01270	.01850	.01220	-.00680	-.00440
.253	-20.101	.07230	.14340	.01130	.01680	.01710	-.00820	-.02680
.253	-15.026	.05920	.12240	.00890	.01390	.01620	-.00860	.01050
.253	-9.992	.04940	.10680	.00630	.01030	.01200	-.00900	.00170
.253	-4.971	.03790	.07740	.00360	.00670	.01030	-.00950	.06600
.253	-.025	.02270	.04770	.00060	.00260	.00440	-.00850	.01490
.253	5.011	.00730	.02200	-.00200	-.00080	-.00120	-.00990	.04080
.253	9.994	-.01050	-.00330	-.00450	-.00410	-.00710	-.01000	-.01170
.253	14.991	-.03270	-.03330	-.00610	-.00680	-.00750	-.00990	-.02250
.252	20.163	-.06470	-.07760	-.00530	-.00730	-.01140	-.01090	.18150
	GRADIENT	-.00307	-.00600	-.00061	-.00083	-.00119	.00020	-.01033

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (A2Q015) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 334/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-11.738	.02300	.04910	.00080	.00270	.02090	-.00970	-.00470	.00480
.253	-7.931	.02290	.04830	.00070	.00270	.01820	-.00940	.00770	-.00270
.253	-5.893	.02320	.04970	.00070	.00250	.01540	-.00970	.00770	-.00270
.253	-2.934	.02320	.04950	.00060	.00260	.01010	-.00890	.00260	.01750
.253	-.030	.02320	.04870	.00060	.00250	.00330	-.01050	.02250	-.00750
.253	3.013	.02310	.04730	.00050	.00240	-.00610	-.01070	.00570	.00440
.253	5.970	.02300	.04650	.00050	.00240	-.01480	-.00930	.01760	-.00750
.253	7.970	.02300	.04570	.00050	.00240	-.02380	-.01050	.01970	-.01940
.253	12.150	.02280	.04400	.00050	.00250	-.03120	-.00990	.01020	-.00510
.253	16.370	.02270	.04140	.00050	.00250	-.05080	-.00990	.01720	-.01210
.253	22.500	.02240	.03810	.00050	.00250	-.07870	-.00990	.00030	.00980
	GRADIENT	-.00002	-.00037	-.00002	-.00003	-.00273	-.00030	.00047	-.00215

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (A2Q016) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 338/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-7.894	.03490	.05720	.00260	.00310	-.00530	-.00900	.04080	-.00580
.253	-5.452	.03200	.05520	.00210	.00260	-.00380	-.00980	.02330	.01670
.253	-.101	.02730	.05220	.00130	.00200	.00030	-.01000	.05550	-.01550
.254	2.696	.02460	.05000	.00090	.00230	.00190	-.00970	.04600	-.01600
.253	5.608	.02180	.04640	.00060	.00250	-.00050	-.00940	.04360	-.01360
.253	7.115	.01920	.04520	.00030	.00270	.00120	-.00910	.03090	-.01570
.253	8.793	.01530	.03730	-.00010	.00230	.00180	-.00930	.05140	-.02130
.253	10.989	.01120	.03550	-.00030	.00160	-.00360	-.00980	.02340	-.02320
.253	13.169	.00580	.03420	-.00040	.00080	-.00480	-.00850	.05080	-.05040
.251	16.313	-.00850	.01640	-.00360	-.00030	-.01100	-.00890	.04110	-.01610
.251	18.553	-.01820	.00370	-.00870	-.00170	-.01610	-.00840	.04250	-.04230
	GRADIENT	-.00097	-.00079	-.00014	.00011	.00057	.00011	-.00340	-.00018

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (A2Q017) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 341/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-7.746	.00000	.00000	.00000	.00000	.00000	.00000	-.00330	.02330
.251	-5.471	.00000	.00000	.00000	.00000	.00000	.00000	.04220	-.01710
.251	-.050	.00000	.00000	.00000	.00000	.00000	.00000	-.00210	.01710
.251	2.715	.00000	.00000	.00000	.00000	.00000	.00000	.01980	.00020
.251	5.490	.00000	.00000	.00000	.00000	.00000	.00000	.02980	-.00440
.251	7.166	.00000	.00000	.00000	.00000	.00000	.00000	.01520	-.00990
.251	8.799	.00000	.00000	.00000	.00000	.00000	.00000	.01730	-.01200
.251	11.017	.00000	.00000	.00000	.00000	.00000	.00000	.02950	-.00950
.247	13.238	.00000	.00000	.00000	.00000	.00000	.00000	-.00070	.02580
.250	16.380	.00000	.00000	.00000	.00000	.00000	.00000	.01970	-.00960
.249	18.399	.00000	.00000	.00000	.00000	.00000	.00000	.00810	-.00290
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00792	-.00611

ARC 218-1-12 0A101 (0V102), + LANDING GEAR (A20018) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 342/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-5.308	.00000	.00000	.00000	.00000	.00000	.00000	.02510	.00500
.251	.010	.00000	.00000	.00000	.00000	.00000	.00000	.02320	.02250
.251	2.163	.00000	.00000	.00000	.00000	.00000	.00000	.03000	.00000
.251	5.500	.00000	.00000	.00000	.00000	.00000	.00000	.03250	.00750
.251	6.630	.00000	.00000	.00000	.00000	.00000	.00000	.02270	-.00240
.251	8.773	.00000	.00000	.00000	.00000	.00000	.00000	.03010	.00510
.251	11.015	.00000	.00000	.00000	.00000	.00000	.00000	.02810	.02200
.250	13.150	.00000	.00000	.00000	.00000	.00000	.00000	.02980	-.01970
.250	16.321	.00000	.00000	.00000	.00000	.00000	.00000	.00780	-.00750
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00316	-.01045

ARC 218-1-12 0A101 (0V102), + LANDING GEAR (A20019) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 343/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-6.219	.00000	.00000	.00000	.00000	.00000	.00000	.01840	.02690
.251	-4.167	.00000	.00000	.00000	.00000	.00000	.00000	.00530	.01480
.251	-2.071	.00000	.00000	.00000	.00000	.00000	.00000	.03740	-.00240
.251	-1.044	.00000	.00000	.00000	.00000	.00000	.00000	.04020	-.01420
.250	-.203	.00000	.00000	.00000	.00000	.00000	.00000	.00220	.03300
.251	.618	.00000	.00000	.00000	.00000	.00000	.00000	.00750	.00260
.250	1.067	.00000	.00000	.00000	.00000	.00000	.00000	-.01250	.01290
.249	2.082	.00000	.00000	.00000	.00000	.00000	.00000	.01770	-.00740
.249	3.146	.00000	.00000	.00000	.00000	.00000	.00000	.01040	-.01040
.251	4.176	.00000	.00000	.00000	.00000	.00000	.00000	.01480	-.00970
.252	6.198	.00000	.00000	.00000	.00000	.00000	.00000	.00030	.00980
.252	8.208	.00000	.00000	.00000	.00000	.00000	.00000	.00780	.01730
.253	10.181	.00000	.00000	.00000	.00000	.00000	.00000	-.00790	.02290
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00126	-.00238

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (A2Q0J0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 344/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.253	-6.148	.00000	.00000	.00000	.00000	.00000	.00000	.04470	5.00480
.252	-4.184	.00000	.00000	.00000	.00000	.00000	.00000	.04040	5.03960
.252	-2.067	.00000	.00000	.00000	.00000	.00000	.00000	.04710	5.04140
.252	-1.042	.00000	.00000	.00000	.00000	.00000	.00000	.08410	5.03930
.252	-.222	.00000	.00000	.00000	.00000	.00000	.00000	.04470	5.02430
.252	.613	.00000	.00000	.00000	.00000	.00000	.00000	.02810	5.02240
.252	1.064	.00000	.00000	.00000	.00000	.00000	.00000	.03540	5.02960
.252	2.089	.00000	.00000	.00000	.00000	.00000	.00000	.04320	5.02280
.252	3.147	.00000	.00000	.00000	.00000	.00000	.00000	.06220	4.99780
.252	4.155	.00000	.00000	.00000	.00000	.00000	.00000	.04010	5.02940
.252	6.203	.00000	.00000	.00000	.00000	.00000	.00000	.05250	5.01250
.252	8.213	.00000	.00000	.00000	.00000	.00000	.00000	.04600	5.03540
.252	10.181	.00000	.00000	.00000	.00000	.00000	.00000	.04090	5.04000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00045	-.00343

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (A2Q0J1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 340/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
.251	-25.071	.08900	.18370	.01260	.01790	.01440	-.00840	.00270
.251	-20.094	.07220	.13820	.01120	.01640	.01350	-.00870	-.03890
.251	-15.046	.05960	.11980	.00900	.01360	.01370	-.00820	.04040
.252	-10.019	.04880	.10490	.00640	.01000	.01090	-.00870	.01830
.251	-4.973	.03750	.07690	.00370	.00640	.00690	-.00880	.07820
.251	.003	.02230	.04740	.00070	.00260	-.00070	-.00890	.01730
.252	5.034	.00710	.02290	-.00190	-.00080	-.00430	-.00910	.03960
.251	9.984	-.01080	-.00210	-.00430	-.00400	-.00380	-.01030	-.00570
.251	14.781	-.03250	-.02670	-.00590	-.00630	-.00770	-.01070	-.21370
.251	20.163	-.06370	-.07570	-.00490	-.00660	-.00910	-.00990	.16130
	GRADIENT	-.00305	-.00593	-.00060	-.00076	-.00153	-.00002	-.01224

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (A200J2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBFK =	.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 339/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
.251	-11.730	.02250	.04980	.00080	.00270	.02080	-.00930	.01520	.01480
.251	-8.008	.02230	.04900	.00080	.00270	.01790	-.01000	.02360	.00150
.252	-5.882	.02230	.04820	.00070	.00260	.01430	-.00980	.04270	-.01270
.252	-2.998	.02210	.04710	.00070	.00260	.00890	-.00890	.01240	.02260
.252	.119	.02210	.04700	.00060	.00250	.00320	-.01030	.04740	-.03240
.252	3.013	.02210	.04580	.00060	.00250	-.00630	-.00870	.01490	.01010
.252	6.030	.02190	.04480	.00060	.00250	-.01490	-.00930	.04460	-.03450
.252	7.951	.02200	.04350	.00050	.00250	-.02210	-.00910	.03540	-.00540
.251	12.037	.02190	.04250	.00050	.00260	-.03460	-.00950	.02070	.00430
.252	16.424	.02150	.03980	.00050	.00250	-.05060	-.00870	.04510	-.02010
.251	22.500	.02160	.03660	.00050	.00250	-.08060	-.00970	.02480	.00520
	GRADIENT	.00000	-.00021	-.00002	-.00002	-.00252	.00003	.00055	-.00228

ARC 218-1-12 0A101 (0V102) (82Q001) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 172/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-7.765	1.00000	5.07830	273.80000	.03070	-.00020	.00260	-4.51730	.68000	6158.00000
.251	-5.357	1.00000	5.06400	273.10000	.03130	-.00010	.01640	-3.73600	.68900	6167.20001
.252	-.068	1.00000	5.07280	274.57000	.02960	-.00020	.03060	-.70200	.87880	6172.09998
.251	2.087	1.00000	5.05540	273.13000	.03080	-.00020	.02780	.77990	.45710	6178.50000
.251	4.274	1.00000	5.05140	273.14000	.03030	.00010	.02260	2.28490	.59260	6182.70001
.251	5.652	1.00000	5.05350	273.89000	.03010	-.00020	.01830	2.94630	.60830	6189.00000
.251	6.588	1.00000	5.04400	273.18000	.03070	-.00020	.01180	3.48380	.61630	6194.70001
.251	7.693	1.00000	5.04660	273.92000	.02960	-.00010	.00650	3.89660	.62280	6198.20001
.251	8.804	1.00000	5.04380	273.93000	.02960	-.00010	-.00080	4.23080	.62780	6202.40002
.250	9.855	1.00000	5.02790	272.49000	.03170	-.00030	-.00930	4.38930	.63100	6208.20001
.251	10.963	1.00000	5.03840	273.95000	.02960	-.00020	-.01620	4.54140	.63260	6210.90002
.251	11.992	1.00000	5.02920	273.24000	.03060	-.00010	-.02490	4.55970	.63310	6215.20001
.251	13.139	1.00000	5.02550	273.25000	.03190	-.00030	-.03470	4.49800	.63430	6219.40002
.251	15.152	1.00000	5.02290	273.26000	.03110	-.00010	-.05050	4.30770	.63680	6223.00000
.249	17.287	1.00000	4.99440	270.37000	.03390	.00000	-.06960	3.95460	.64100	6229.50000
.251	18.433	1.00000	5.02460	274.01000	.03520	.00000	-.07930	3.74660	.64330	6230.00000
	GRADIENT	.00000	-.00492	-.32848	.00016	.00007	-.00184	.68785	-.06559	2.43979

ARC 218-1-12 OA101 (OV102) (B20002) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 184/ 0 RN/L = 7.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-8.036	1.00000	7.85760	437.50000	.03090	-.00010	.00060	-4.58140	.68060	9953.90002
.251	-5.355	1.00000	7.84860	437.49000	.03080	-.00020	.01450	-3.95930	.68950	9951.80005
.250	-.092	1.00000	7.82700	436.04000	.03100	-.00020	.02800	-.88030	.84410	9953.30005
.250	2.130	1.00000	7.80990	434.59000	.03090	-.00020	.02620	.70620	.42220	9954.80005
.250	2.865	1.00000	7.79070	435.33000	.02970	-.00010	.02620	1.31230	.53230	9956.09998
.251	3.958	1.00000	7.81600	437.50000	.03030	-.00010	.02270	2.02500	.57650	9953.90002
.250	4.416	1.00000	7.81660	436.05000	.03040	-.00020	.02080	2.25860	.58540	9954.69995
.250	5.087	1.00000	7.80460	435.32000	.03050	-.00020	.01860	2.66990	.59860	9955.40002
.250	5.689	1.00000	7.78330	436.05000	.03100	-.00020	.01550	2.97700	.60570	9956.09998
.251	6.583	1.00000	7.79870	438.23000	.03030	-.00010	.01070	3.52390	.61460	9953.90002
.250	7.737	1.00000	7.78040	436.78000	.02970	.00010	.00490	3.96490	.62240	9955.30005
.251	8.916	1.00000	7.78280	437.50000	.03040	-.00010	-.00270	4.25340	.62690	9955.30005
.251	10.007	1.00000	7.78380	438.23000	.03030	-.00010	-.00990	4.44470	.63060	9954.59998
.252	10.781	1.00000	7.79290	443.30000	.03090	.00000	-.01690	4.57210	.63230	9948.59998
.251	11.111	1.00000	7.77310	437.50000	.03080	.00000	-.01870	4.55470	.63230	9953.90002
.251	12.097	1.00000	7.77480	438.23000	.03030	-.00010	-.02620	4.59460	.63310	9953.90002
.251	13.302	1.00000	7.76340	437.50000	.03160	-.00020	-.03530	4.47360	.63410	9953.90002
.250	15.376	1.00000	7.73970	435.33000	.03300	-.00010	-.05370	4.25900	.63730	9956.80005
.250	17.601	1.00000	7.74760	436.78000	.03380	-.00010	-.06970	3.85480	.64170	9955.30005
.250	18.700	1.00000	7.73680	436.06000	.03530	.00000	-.07900	3.65630	.64400	9956.80005
	GRADIENT	.00000	-.00247	.19998	-.00017	.00001	-.00150	.70565	-.05113	.24059

ARC 218-1-12 OA101 (OV102) (B2Q003) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 191/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.081	1.00000	7.60670	439.61000	.03110	.00010	.00940	-4.19940	.68270	9929.09998
.251	-4.127	1.00000	7.60370	438.87000	.03140	-.00020	.01210	-4.02870	.68610	9926.30005
.252	-2.096	1.00000	7.61080	440.34000	.03030	-.00010	.01500	-3.84280	.68880	9930.40002
.251	-.014	1.00000	7.60280	439.62000	.03120	-.00010	.01440	-3.91370	.69000	9934.00000
.251	1.956	1.00000	7.60100	439.63000	.03120	.00000	.01330	-4.01910	.68940	9936.80005
.252	4.032	1.00000	7.60580	440.36000	.03170	-.00020	.01020	-4.12230	.68620	9938.19995
.251	6.003	1.00000	7.59100	438.92000	.03300	.00000	.00720	-4.17090	.68260	9942.50000
.251	7.224	1.00000	7.58360	438.20000	.03480	-.00020	.00360	-4.26290	.67910	9946.09998
	GRADIENT	.00000	-.00027	.11147	.00007	.00000	-.00027	-.01288	.00004	1.48262

ARC 218-1-12 OA101 (OV102) (B2Q004) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 192/ 0 RN/L = 7.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.198	1.00000	7.59530	440.40000	.03270	-.00020	.02190	-.73130	.83630	9950.19995
.252	-4.151	1.00000	7.60800	441.85000	.03080	-.00020	.02560	-.80140	.84720	9950.80005
.251	-2.041	1.00000	7.58690	439.69000	.03080	-.00020	.02760	-.84700	.85280	9955.19995
.252	-1.063	1.00000	7.60540	441.86000	.02980	-.00010	.02870	-.85830	.85300	9954.30005
.252	.010	1.00000	7.59750	441.14000	.03060	-.00010	.02780	-.96260	.83290	9956.50000
.252	.559	1.00000	7.60820	442.60000	.02990	-.00020	.02850	-.89970	.84520	9957.09998
.252	1.063	1.00000	7.60150	441.88000	.03140	-.00020	.02700	-.85090	.85670	9959.30005
.251	2.105	1.00000	7.54250	438.11000	.03140	-.00030	.02720	-.76370	.87060	9915.00000
.252	3.078	1.00000	7.55370	439.57000	.03200	-.00020	.02470	-.73930	.87290	9914.90002
.252	4.067	1.00000	7.55260	439.58000	.03170	-.00030	.02380	-.74790	.85810	9917.80005
.251	6.074	1.00000	7.54410	438.86000	.03380	-.00020	.01950	-.68310	.85210	9919.90002
.251	8.030	1.00000	7.53790	438.13000	.03500	.00000	.01490	-.54360	.84460	9922.09998
.251	10.038	1.00000	7.52980	437.42000	.03590	.00000	.01060	-.42060	.81380	9925.00000
	GRADIENT	.00000	-.00764	-.28519	.00018	-.00001	-.00029	.01202	.00260	-5.46541

ARC 218-1-12 OA101 (OV102) (B2Q005) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 173/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-6.204	1.00000	5.07090	279.83000	.03280	-.00030	.01310	3.04680	.61830	6232.40002
.253	-4.159	1.00000	5.05540	278.39000	.02840	-.00030	.01930	2.89690	.61160	6236.79999
.251	-2.128	1.00000	5.02010	274.77000	.03060	-.00020	.01650	2.86710	.60870	6242.59998
.251	.027	1.00000	5.03190	276.23000	.03020	-.00030	.01880	2.85000	.60640	6244.00000
.251	2.109	1.00000	5.01630	274.79000	.03060	-.00030	.01730	2.90090	.60590	6248.29999
.251	4.141	1.00000	5.01470	274.80000	.03280	-.00050	.01360	3.01350	.61160	6251.09998
.251	6.245	1.00000	5.00630	275.59000	.03320	-.00020	.01100	3.20000	.61970	6272.90002
.251	8.106	1.00000	5.01140	274.81000	.03440	-.00040	.00730	3.38190	.62610	6256.00000
.251	10.093	1.00000	5.00910	275.57000	.03420	-.00030	.00540	3.57070	.63340	6268.00000
.251	12.036	1.00000	5.00830	275.58000	.03340	-.00030	.00250	3.84460	.63860	6270.79999
	GRADIENT	.00000	-.00407	-.34175	.00042	-.00002	-.00060	.01275	-.00014	1.64436

ARC 218-1-12 OA101 (OV102) (B2Q006) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 185/ 0 RN/L = 7.73 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.128	1.00000	7.74550	439.67000	.03360	-.00020	.01100	3.09480	.62000	9948.80005
.252	-4.098	1.00000	7.75350	441.12000	.03230	-.00010	.01410	2.98240	.61260	9948.00000
.251	-2.122	1.00000	7.74510	440.39000	.03110	-.00010	.01750	2.87430	.60720	9948.09998
.251	.029	1.00000	7.73150	439.67000	.03150	-.00010	.01730	2.82310	.60500	9950.19995
.251	2.101	1.00000	7.72860	439.67000	.03230	-.00030	.01510	2.97360	.60740	9950.19995
.251	4.110	1.00000	7.71890	438.95000	.03380	-.00030	.01150	3.08440	.61330	9951.69995
.251	6.168	1.00000	7.72890	440.40000	.03260	-.00020	.00970	3.27220	.61980	9949.50000
.251	8.131	1.00000	7.70720	438.22000	.03400	-.00030	.00540	3.52710	.63090	9952.40002
.251	10.043	1.00000	7.72310	440.40000	.03360	-.00030	.00230	3.80830	.63750	9950.19995
	GRADIENT	.00000	-.00415	-.24494	.00020	-.00003	-.00037	.01470	.00008	.46121

ARC 218-1-12 OA101 (OV102) (B2Q007) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 193/ 0 RN/L = 7.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.055	1.00000	7.52040	436.70000	.03370	-.00010	-.02410	4.69460	.63880	9929.19995
.251	-4.079	1.00000	7.53040	438.16000	.03190	.00000	-.02180	4.66860	.63560	9930.59998
.251	-1.970	1.00000	7.52250	437.44000	.03080	-.00010	-.01970	4.60820	.63310	9934.09998
.252	-1.104	1.00000	7.54650	440.35000	.02910	-.00020	-.01790	4.61580	.63240	9932.50000
.251	.009	1.00000	7.53240	438.90000	.03040	-.00010	-.02070	4.64360	.63240	9935.50000
.251	.537	1.00000	7.52580	438.18000	.03080	.00000	-.02080	4.61530	.63270	9937.59998
.251	1.040	1.00000	7.53080	438.91000	.03120	-.00020	-.02080	4.65980	.63290	9938.30005
.251	2.121	1.00000	7.53050	438.91000	.03220	-.00020	-.02130	4.61740	.63340	9939.00000
.251	3.133	1.00000	7.53520	439.64000	.03120	-.00010	-.02120	4.66780	.63410	9938.90002
.251	4.132	1.00000	7.52260	438.19000	.03290	-.00030	-.02410	4.78380	.63570	9941.09998
.251	6.078	1.00000	7.50920	436.74000	.03550	-.00050	-.02840	4.82830	.63910	9944.00000
.251	8.089	1.00000	7.52590	438.92000	.03360	-.00020	-.03040	5.06580	.64380	9943.19995
.251	10.101	1.00000	7.51830	438.20000	.03430	-.00020	-.03200	5.10630	.64560	9946.09998
	GRADIENT	.00000	-.00043	.07424	.00018	-.00002	-.00032	.01064	.00005	1.28365

ARC 218-1-12 OA101 (OV102) (B2Q008) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 194/ 0 RN/L = 7.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.249	-5.756	1.00000	7.46500	432.42000	.03300	.00000	-.06730	4.14870	.64350	9956.30005
.250	-3.830	1.00000	7.47510	433.88000	.03310	-.00010	-.06470	4.10830	.64050	9957.59998
.250	-2.007	1.00000	7.48200	435.34000	.03310	-.00010	-.06310	4.06180	.64000	9961.09998
.250	-.001	1.00000	7.47490	434.62000	.03280	.00010	-.06320	4.07480	.63990	9963.90002
.249	2.054	1.00000	7.46100	433.18000	.03420	.00000	-.06520	4.12800	.64080	9966.90002
.249	4.043	1.00000	7.46590	433.90000	.03380	-.00010	-.06630	4.14090	.64160	9967.50000
.250	6.024	1.00000	7.47240	434.63000	.03360	-.00020	-.06900	4.19750	.64450	9967.50000
.250	6.857	1.00000	7.47150	434.64000	.03440	-.00030	-.07140	4.28200	.64640	9969.59998
	GRADIENT	.00000	-.00202	-.11126	.00013	.00000	-.00027	.00680	.00015	1.28928

ARC 218-1-12 0A101 (OV102) (B2Q009) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 8.000

RUN NO. 188/ 0 RN/L = 7.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-7.710	1.00000	7.61950	439.67000	.03090	-.00010	.00090	-4.62400	.68040	9949.50000
.251	-5.636	1.00000	7.61170	438.95000	.03140	-.00010	.01300	-3.97130	.68760	9952.40002
.251	-.028	1.00000	7.60760	439.72000	.03160	-.00010	.02560	-.88170	.83900	9966.50000
.251	2.664	1.00000	7.62180	440.40000	.03030	.00000	.02410	1.23680	.52670	9952.30005
.251	5.536	1.00000	7.62120	440.41000	.03100	-.00040	.01400	3.08240	.60670	9953.69995
.251	7.172	1.00000	7.61320	439.69000	.03160	-.00030	.00390	3.93870	.62020	9955.90002
.252	8.852	1.00000	7.63120	441.87000	.03090	-.00030	-.00520	4.39930	.62830	9955.00000
.251	11.020	1.00000	7.61940	440.42000	.03150	-.00020	-.02180	4.71570	.63340	9957.90002
.251	13.229	1.00000	7.60550	438.98000	.03230	-.00010	-.03920	4.62070	.63540	9961.59998
.250	16.453	1.00000	7.57940	436.08000	.03360	-.00010	-.06490	4.13900	.64060	9966.00000
.249	18.537	1.00000	7.55450	433.19000	.03600	-.00030	-.08100	3.73120	.64430	9970.40002
	GRADIENT	.00000	.00528	.25263	-.00048	.00004	-.00056	.78705	-.11602	-5.27541

ARC 218-1-12 0A101 (OV102) (B2Q010) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 189/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-7.827	1.00000	7.61540	441.19000	.03300	-.00020	.00410	-3.82070	.63640	9972.69995
.252	-5.298	1.00000	7.62070	441.92000	.03300	-.00020	.01740	-2.76140	.62480	9972.69995
.251	.011	1.00000	7.61400	441.19000	.03290	-.00020	.02880	.63680	.78930	9973.40002
.251	2.843	1.00000	7.61310	441.19000	.03220	-.00010	.02550	2.41040	.68720	9974.09998
.251	5.770	1.00000	7.61330	441.20000	.03130	-.00020	.01580	3.81480	.67220	9976.30005
.252	7.294	1.00000	7.62400	442.65000	.03160	-.00010	.00600	4.34210	.66950	9974.69995
.251	9.030	1.00000	7.60540	440.48000	.03220	-.00020	-.00500	4.58600	.66690	9978.40002
.252	11.293	1.00000	7.61720	441.93000	.03160	-.00010	-.02030	4.63700	.66330	9976.90002
.251	13.415	1.00000	7.59800	439.76000	.03230	-.00010	-.03720	4.46770	.66100	9980.59998
.250	16.531	1.00000	7.57890	437.59000	.03470	-.00020	-.06400	4.00500	.66060	9984.19995
.249	18.789	1.00000	7.53980	433.24000	.03830	-.00010	-.08240	3.58290	.66190	9990.09998
	GRADIENT	.00000	-.00032	.00000	-.00025	.00004	-.00117	.62638	-.03606	.24720

ARC 218-1-12 OA101 (OV102) (B2Q011) (01 FEB 78)

PEFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES. YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 190/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-7.976	1.00000	7.63130	434.24000	.02950	-.00020	.00080	-5.04570	.70890	9832.00000
.251	-5.507	1.00000	7.62290	433.53000	.02950	-.00010	.01580	-4.69070	.72350	9837.69995
.251	-.199	1.00000	7.63810	435.71000	.02810	-.00010	.03230	-2.36090	.83130	9839.69995
.251	2.638	1.00000	7.63470	435.72000	.02800	-.00010	.03000	-.39360	1.92780	9841.80005
.250	4.853	1.00000	7.60240	432.10000	.03000	-.00020	.02260	1.31970	.34730	9847.59998
.251	5.642	1.00000	7.61460	434.31000	.02980	-.00020	.02040	1.76410	.43060	9855.30005
.251	7.135	1.00000	7.61970	435.04000	.02970	-.00020	.01240	2.72730	.51540	9857.30005
.251	8.787	1.00000	7.61790	435.05000	.02850	.00010	.00320	3.57180	.55730	9860.19995
.251	10.860	1.00000	7.62200	435.78000	.02980	-.00020	-.01370	4.26320	.58490	9862.90002
.251	13.106	1.00000	7.60610	434.34000	.03050	.00000	-.03010	4.36880	.59690	9868.00000
.250	16.238	1.00000	7.59240	432.90000	.03230	-.00010	-.05600	4.09810	.61270	9872.30005
.250	18.469	1.00000	7.57170	430.74000	.03530	.00000	-.07590	3.73860	.62260	9877.40002
	GRADIENT	.00000	-.00680	-.68162	.00036	-.00002	-.00187	.72691	-.07369	1.52594

ARC 218-1-12 OA101 (OV102) (B2Q012) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 199/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-35.083	1.00000	8.06660	438.28000	.03100	-.00080	.08430	-3.71230	.75760	9972.19995
.250	-29.746	1.00000	8.04980	437.60000	.02990	-.00040	.07000	-3.96690	.75720	9989.19995
.251	-25.039	1.00000	8.06050	439.81000	.02690	-.00040	.06050	-4.36120	.75960	9998.19995
.251	-20.088	1.00000	8.05310	439.84000	.02690	-.00030	.04090	-4.87500	.75800	10010.00000
.251	-15.022	1.00000	8.04690	439.86000	.02670	.00000	.02910	-5.10880	.75220	10016.00000
.250	-10.052	1.00000	8.01970	438.38000	.02840	-.00020	.01970	-5.09610	.74200	10007.00000
.251	-4.950	1.00000	8.02720	439.85000	.02930	.00000	.01520	-4.72630	.72280	10012.00000
.250	.003	1.00000	8.00040	438.35000	.03120	-.00010	.01380	-3.93830	.68920	9997.59998
.250	4.990	1.00000	7.98810	437.63000	.03350	-.00020	.01660	-2.78470	.62560	9996.90002
.250	9.984	1.00000	7.96930	436.17000	.03530	-.00010	.02360	-1.48240	.46250	9995.59998
.250	14.990	1.00000	7.98240	438.33000	.03720	-.00030	.03580	-.09730	-2.00180	9989.80005
.250	20.180	1.00000	7.96460	436.88000	.03970	-.00040	.05300	.93880	1.35940	9989.19995
	GRADIENT	.00000	-.00393	-.22323	.00042	-.00002	.00014	.19536	-.00978	-1.51738

ARC 218-1-12 OA101 (OV102) (B20013) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 200/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-35.093	1.00000	7.94900	436.89000	.03050	-.00040	.09910	-3.19360	.80830	9994.90002
.250	-30.006	1.00000	7.94290	436.89000	.02850	-.00020	.09240	-3.43170	.81260	9994.19995
.250	-25.052	1.00000	7.93230	436.17000	.02880	-.00050	.08020	-4.02260	.81290	9995.59998
.250	-20.099	1.00000	7.93500	436.89000	.02800	-.00050	.06130	-4.48140	.81600	9994.90002
.250	-15.026	1.00000	7.92570	436.17000	.02690	-.00020	.04800	-4.29670	.81900	9994.90002
.250	-9.996	1.00000	7.93390	437.62000	.02670	.00000	.03790	-3.64950	.82260	9994.09998
.250	-4.968	1.00000	7.92040	436.89000	.02940	-.00030	.03030	-2.42460	.82790	9993.40002
.250	.013	1.00000	7.91600	436.89000	.03040	-.00020	.02800	-.86390	.84670	9993.40002
.250	5.032	1.00000	7.90700	436.16000	.03230	-.00020	.02930	.63720	.79100	9994.19995
.250	9.971	1.00000	7.90950	436.89000	.03390	-.00020	.03520	1.84700	.81570	9992.69995
.250	14.979	1.00000	7.89940	436.16000	.03560	-.00030	.04610	2.68050	.82110	9992.80005
.249	20.193	1.00000	7.88330	434.71000	.03810	-.00040	.06150	3.04820	.82410	9994.30005
	GRADIENT	.00000	-.00088	.00000	.00020	.00002	-.00046	.31335	.00377	.00004

ARC 218-1-12 OA101 (OV102) (B2Q014) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 174/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-35.128	1.00000	4.98610	274.92000	.03200	-.00050	.09480	-1.61710	1.02350	6292.70001
.250	-29.989	1.00000	4.98880	275.65000	.03070	-.00030	.08930	-1.79930	1.02230	6295.50000
.250	-25.047	1.00000	4.98750	275.66000	.03010	-.00050	.07770	-2.22480	1.01410	6299.00000
.250	-20.092	1.00000	4.98890	276.41000	.02900	-.00040	.05810	-2.25970	1.05900	6305.29999
.250	-15.047	1.00000	4.98620	276.41000	.02860	-.00050	.04310	-1.33340	1.31230	6307.50000
.250	-10.008	1.00000	4.98440	276.42000	.02790	-.00020	.03160	.00230	-6.83900	6311.00000
.250	-4.998	1.00000	4.98920	277.16000	.02870	-.00020	.02380	1.54640	.40390	6313.79999
.250	-.012	1.00000	4.97400	275.72000	.03120	-.00030	.01830	2.84160	.60740	6317.40002
.251	5.000	1.00000	4.99110	277.90000	.03110	-.00020	.01940	3.66780	.67450	6319.40002
.250	9.981	1.00000	4.98200	277.18000	.03380	-.00030	.02340	4.04460	.71210	6322.20001
.250	14.967	1.00000	4.97420	276.47000	.03510	-.00030	.03210	4.18710	.73480	6326.50000
.249	20.154	1.00000	4.95860	275.03000	.03820	-.00050	.04580	3.98110	.75010	6330.09998
	GRADIENT	.00000	.00019	.07433	.00024	.00000	-.00044	.21214	.02705	.55997

ARC 218-1-12 OA101 (OV102) (B2Q015) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 186/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-35.231	1.00000	7.68350	438.21000	.02940	-.00020	.09490	-1.63660	1.04020	9949.59998
.251	-30.286	1.00000	7.68930	438.66000	.02820	-.00030	.09020	-1.86860	1.03190	9946.00000
.251	-25.153	1.00000	7.67960	438.94000	.03110	-.00030	.07300	-2.54250	1.00660	9948.90002
.251	-20.057	1.00000	7.69000	440.39000	.02980	-.00050	.05460	-2.29580	1.07920	9948.09998
.251	-15.076	1.00000	7.67450	438.95000	.02840	-.00020	.04050	-1.25740	1.40350	9951.00000
.251	-10.100	1.00000	7.66950	438.95000	.02860	-.00020	.02860	.17800	-1.87360	9951.69995
.251	-5.021	1.00000	7.65880	439.67000	.02910	-.00020	.02090	1.76400	.43370	9949.50000
.251	-.015	1.00000	7.63680	437.49000	.03150	-.00030	.01570	2.98820	.60890	9951.09998
.251	4.958	1.00000	7.63410	437.49000	.03240	.00000	.01540	3.78310	.67340	9951.80005
.251	9.926	1.00000	7.63770	438.22000	.03400	-.00020	.02040	4.08970	.70980	9951.69995
.251	14.909	1.00000	7.63380	438.22000	.03600	-.00030	.02970	4.09820	.73300	9951.00000
.250	20.116	1.00000	7.59320	433.87000	.03990	-.00020	.04280	3.93450	.74760	9956.19995
	GRADIENT	.00000	-.00054	.00000	.00018	.00006	-.00006	.15982	.01297	.14077

ARC 218-1-12 OA1C1 (OV102) (B20016) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 201/ 0 RN/L = 7.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.249	-35.120	1.00000	7.87340	434.71000	.03540	-.00040	.06610	.27850	-.72150	9992.90002
.250	-29.983	1.00000	7.88140	436.15000	.03510	-.00060	.05770	.25590	-.99330	9990.00000
.250	-25.051	1.00000	7.88990	437.60000	.03330	-.00020	.04320	.05760	-3.34000	9987.00000
.251	-20.087	1.00000	7.88790	439.04000	.03260	-.00050	.02470	1.02960	-.11220	9984.09998
.251	-15.044	1.00000	7.88280	439.04000	.03060	-.00020	.00830	2.29160	.33350	9982.69995
.252	-10.001	1.00000	7.91760	443.38000	.02770	-.00010	-.00240	3.41510	.49600	9976.80005
.252	-4.976	1.00000	7.90430	442.66000	.02920	-.00010	-.01300	4.19690	.58400	9977.59998
.251	-.012	1.00000	7.88100	440.48000	.03010	-.00020	-.01880	4.57940	.63260	9979.09998
.251	5.018	1.00000	7.87640	440.48000	.03080	-.00010	-.01860	4.60880	.66380	9978.40002
.251	9.971	1.00000	7.85740	439.03000	.03280	-.00010	-.01550	4.48300	.68880	9978.50000
.250	14.993	1.00000	7.84120	437.57000	.03440	-.00010	-.00690	4.25160	.70720	9979.30005
.250	20.171	1.00000	7.82350	436.12000	.03660	-.00010	.00760	3.95380	.72200	9979.40002
	GRADIENT	.00000	-.00469	-.43921	.00018	-.00002	-.00117	.07706	.00979	.30222

ARC 218-1-12 OA101 (OV102) (B2Q017) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 202/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-35.130	1.00000	7.81000	436.11000	.03780	-.00050	.02570	1.92410	.42230	9976.50000
.250	-29.983	1.00000	7.81350	436.85000	.03670	-.00010	.02050	1.93640	.39180	9979.30005
.250	-25.066	1.00000	7.81770	437.68000	.03780	-.00080	.00590	2.14550	.36300	9980.69995
.250	-20.112	1.00000	7.82020	438.32000	.03460	-.00040	-.01370	2.85180	.45810	9984.19995
.250	-15.032	1.00000	7.80530	436.88000	.03280	-.00010	-.03180	3.45860	.52620	9989.19995
.250	-10.014	1.00000	7.79620	436.16000	.03160	.00000	-.04580	3.85280	.57710	9992.80005
.250	-4.961	1.00000	7.79590	436.17000	.03280	.00000	-.05740	4.03370	.61400	9994.90002
.249	.000	1.00000	7.78340	434.72000	.03230	.00000	-.06210	4.04290	.63980	9997.09998
.249	5.015	1.00000	7.76100	432.55000	.03530	-.00010	-.06420	3.92300	.66080	10004.00000
.248	9.983	1.00000	7.75250	431.84000	.03480	.00010	-.05960	3.77170	.67870	10007.00000
.248	14.973	1.00000	7.73720	430.39000	.03610	-.00010	-.04990	3.56310	.69240	10011.00000
.247	20.183	1.00000	7.71040	427.50000	.03920	-.00010	-.03670	3.34160	.70340	10017.00000
	GRADIENT	.00000	-.00252	-.29229	-.00010	.00000	-.00095	.00185	.00520	.44347

ARC 218-1-12 OA101 (OV102) (B2Q018) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 176/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-6.131	1.00000	5.01230	277.74000	.03270	-.00080	.02290	-.05860	-22.25500	6264.29999
.251	-4.200	1.00000	5.00430	277.02000	.03080	-.00050	.02670	-.16660	9.59630	6267.20001
.251	-2.144	1.00000	5.00290	277.03000	.02980	-.00020	.02860	-.22070	5.98960	6268.59998
.252	-1.137	1.00000	5.01440	278.48000	.02780	-.00040	.03080	-.25330	4.94030	6268.50000
.251	-.315	1.00000	5.00120	277.04000	.02910	-.00030	.03020	-.23760	5.35310	6271.40002
.251	.356	1.00000	4.98990	277.08000	.02770	-.00010	.03030	-.17200	9.22250	6285.50000
.251	.691	1.00000	5.00480	277.77000	.02800	-.00030	.02970	-.21040	6.58210	6274.20001
.251	1.145	1.00000	5.00330	277.78000	.02710	-.00010	.02940	-.18550	8.21660	6275.59998
.251	2.129	1.00000	5.00360	277.78000	.02850	-.00030	.02810	-.20160	7.06760	6276.29999
.252	3.157	1.00000	5.00830	278.51000	.02780	-.00020	.02740	-.12020	23.50800	6277.00000
.251	4.160	1.00000	5.00120	277.79000	.02750	-.00020	.02690	-.12710	19.55500	6279.20001
.251	6.166	1.00000	4.98770	276.34000	.02850	-.00020	.02300	-.00990	-8.89350	6282.09998
.251	7.950	1.00000	4.99950	277.79000	.02770	-.00030	.02200	.05310	-4.59110	6282.00000
.251	10.084	1.00000	4.99170	277.07000	.02850	-.00020	.01810	.24190	-1.59770	6284.09998
	GRADIENT	.00000	-.00021	.12369	-.00036	.00003	-.00010	.00908	1.59226	1.57379

ARC 218-1-12 OA101 (OV102) (B2Q019) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 177/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.110	1.00000	4.98510	277.09000	.03250	-.00060	.01600	1.53290	.39770	6291.20001
.251	-4.193	1.00000	4.99730	278.55000	.03030	-.00030	.02010	1.45150	.37900	6291.09998
.251	-2.130	1.00000	4.99070	277.83000	.02900	-.00010	.02270	1.40810	.36590	6293.29999
.251	-1.114	1.00000	4.98340	277.10000	.02850	-.00020	.02330	1.38340	.35780	6294.00000
.251	-.299	1.00000	4.98290	277.10000	.02910	-.00010	.02320	1.34860	.35200	6294.70001
.251	.346	1.00000	4.98830	278.58000	.02810	-.00020	.02310	1.45890	.36640	6303.09998
.251	.679	1.00000	4.98750	277.84000	.02870	-.00010	.02250	1.41050	.35650	6296.09998
.251	1.152	1.00000	4.98680	277.84000	.02860	-.00020	.02200	1.44850	.36110	6297.50000
.251	2.108	1.00000	4.98030	277.12000	.02860	-.00020	.02100	1.51060	.37280	6298.90002
.251	3.168	1.00000	4.97970	277.12000	.03030	-.00040	.01900	1.49960	.37480	6300.40002
.251	4.155	1.00000	4.98520	277.85000	.03000	-.00020	.01840	1.57950	.38900	6300.29999
.251	6.163	1.00000	4.97790	277.13000	.03020	-.00030	.01580	1.71780	.41480	6301.79999
.251	8.155	1.00000	4.98380	277.85000	.03030	-.00040	.01350	1.94040	.45390	6302.40002
.251	10.097	1.00000	4.98320	277.86000	.03040	-.00030	.01030	2.14080	.47520	6303.09998
	GRADIENT	.00000	-.00156	-.08711	.00002	-.00001	-.00035	.01772	.00142	1.21298

ARC 218-1-12 OA101 (OV102) (82Q020) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 178/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.118	1.00000	4.97270	277.14000	.03420	-.00030	.01290	3.77430	.67870	6308.09998
.251	-4.203	1.00000	4.97210	277.15000	.03230	-.00040	.01650	3.65140	.67620	6308.79999
.251	-2.127	1.00000	4.97200	277.15000	.03180	-.00020	.01800	3.59080	.67260	6309.50000
.250	-1.123	1.00000	4.96470	276.42000	.03190	-.00050	.01810	3.58740	.67160	6311.00000
.250	-.277	1.00000	4.96470	276.42000	.03260	-.00030	.01810	3.56510	.67170	6311.00000
.250	.334	1.00000	4.96580	277.17000	.03200	-.00020	.01720	3.63790	.66940	6317.29999
.250	.679	1.00000	4.97000	277.16000	.03250	-.00040	.01710	3.61820	.66990	6312.29999
.250	1.132	1.00000	4.96990	277.16000	.03250	-.00030	.01660	3.64770	.67100	6313.09998
.251	2.136	1.00000	4.97520	277.88000	.03460	-.00060	.01380	3.71740	.67180	6312.29999
.251	3.166	1.00000	4.97490	277.89000	.03520	-.00070	.01290	3.69610	.67360	6313.70001
.251	4.159	1.00000	4.97490	277.89000	.03500	-.00060	.01250	3.76820	.67570	6313.70001
.251	6.166	1.00000	4.97370	277.89000	.03590	-.00080	.00920	3.94560	.67910	6314.40002
.251	8.118	1.00000	4.97350	277.89000	.03590	-.00060	.00700	4.11430	.68200	6315.09998
	GRADIENT	.00000	.00068	.13844	.00043	-.00004	-.00066	.01748	-.00006	.63537

ARC 218-1-12 OA101 (OV102) (B2Q021) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 179/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-6.115	1.00000	4.96310	277.18000	.03550	-.00050	.01800	4.15030	.71540	6321.50000
.250	-4.196	1.00000	4.96230	277.18000	.03450	-.00030	.02010	4.08440	.71300	6322.20001
.251	-2.118	1.00000	4.97500	278.63000	.03210	-.00020	.02350	4.02450	.71150	6320.70001
.250	-1.114	1.00000	4.95510	276.46000	.03340	-.00030	.02260	4.00670	.71050	6323.00000
.250	-.298	1.00000	4.96140	277.19000	.03290	-.00030	.02400	3.96100	.71030	6322.90002
.250	.667	1.00000	4.96090	277.19000	.03410	-.00050	.02140	4.04380	.70900	6323.59998
.251	1.144	1.00000	4.96720	277.92000	.03470	-.00040	.02000	4.07890	.70930	6323.59998
.250	2.132	1.00000	4.96000	277.19000	.03580	-.00050	.01850	4.10630	.71000	6324.40002
.250	3.156	1.00000	4.96070	277.19000	.03650	-.00070	.01720	4.14980	.71080	6325.09998
.250	4.157	1.00000	4.95990	277.19000	.03730	-.00090	.01640	4.15770	.71210	6325.09998
.251	6.166	1.00000	4.96530	277.92000	.03760	-.00070	.01360	4.31220	.71440	6325.00000
.251	8.130	1.00000	4.96560	277.92000	.03840	-.00060	.01080	4.42220	.71730	6325.70001
.250	10.095	1.00000	4.94640	275.75000	.04060	-.00060	.00600	4.60440	.71970	6328.00000
	GRADIENT	.00000	-.00062	-.03455	.00049	-.00007	-.00071	.01497	-.00017	.47273

ARC 218-1-12 OA101 (OV102) (B2Q022) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 183/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.044	1.00000	5.06050	279.42000	.03340	-.00060	-.00900	3.49920	.50330	6341.20001
.251	-4.163	1.00000	5.06400	280.16000	.03110	-.00030	-.00490	3.37290	.49780	6343.90002
.251	-1.983	1.00000	5.06170	280.17000	.02710	-.00020	-.00170	3.44210	.49910	6347.50000
.252	-1.106	1.00000	5.07040	281.63000	.02800	-.00020	-.00210	3.41260	.49850	6352.29999
.252	.011	1.00000	5.06890	281.64000	.02810	.00000	-.00390	3.51820	.50040	6354.40002
.251	.534	1.00000	5.06170	280.92000	.03000	-.00040	-.00480	3.46140	.50070	6356.59998
.251	1.040	1.00000	5.06040	280.92000	.02910	-.00010	-.00390	3.46120	.49980	6357.29999
.251	2.094	1.00000	5.06030	280.92000	.02910	-.00020	-.00440	3.49100	.50070	6358.00000
.252	3.137	1.00000	5.06590	281.65000	.02830	-.00020	-.00380	3.48130	.49880	6358.00000
.251	4.113	1.00000	5.05870	280.93000	.02920	-.00010	-.00540	3.54630	.50090	6360.79999
.251	6.137	1.00000	5.06320	281.66000	.02890	-.00050	-.00660	3.63470	.50870	6362.20001
.251	8.053	1.00000	5.05460	280.95000	.02840	-.00020	-.00840	3.80290	.51720	6365.79999
.251	10.153	1.00000	5.04630	280.23000	.03110	-.00030	-.01250	3.90580	.52270	6368.59998
	GRADIENT	.00000	-.00055	.11096	-.00007	.00001	-.00018	.01736	.00029	2.04500

ARC 218-1-12 OA101 (OV102) (B2Q023) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 182/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.169	1.00000	5.09540	277.77000	.03250	.00000	-.01550	4.21030	.58800	6273.50000
.252	-4.126	1.00000	5.10530	279.23000	.02970	-.00010	-.01280	4.17890	.58480	6276.20001
.252	-1.998	1.00000	5.09410	278.52000	.02880	-.00010	-.01190	4.17900	.58250	6282.59998
.251	-1.123	1.00000	5.07210	277.86000	.02970	.00000	-.01240	4.16130	.58240	6303.79999
.251	.010	1.00000	5.06340	277.14000	.02840	-.00020	-.01210	4.25300	.58240	6308.09998
.251	.514	1.00000	5.06170	277.15000	.02990	-.00010	-.01250	4.18590	.58200	6311.00000
.250	1.040	1.00000	5.05970	277.16000	.03020	-.00020	-.01330	4.20540	.58280	6313.09998
.251	2.082	1.00000	5.06430	277.89000	.03110	-.00020	-.01540	4.29190	.58340	6314.40002
.250	3.108	1.00000	5.05630	277.17000	.03150	-.00050	-.01540	4.25740	.58390	6316.59998
.251	4.109	1.00000	5.06250	277.90000	.03030	-.00010	-.01550	4.35000	.58610	6318.00000
.251	6.046	1.00000	5.06430	278.63000	.03100	-.00040	-.01800	4.44960	.59080	6320.70001
.251	8.173	1.00000	5.05550	277.93000	.03110	.00000	-.01940	4.54750	.59470	6327.79999
.250	10.275	1.00000	5.05250	277.94000	.03180	-.00010	-.02320	4.70330	.60100	6332.09998
	GRADIENT	.00000	-.00566	-.18285	.00023	-.00003	-.00047	.01983	.00016	5.39110

ARC 218-1-12 OA101 (OV102) (B2Q024) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 181/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-6.108	1.00000	4.94790	277.24000	.03560	-.00030	-.02380	4.71560	.66780	6339.90002
.250	-4.125	1.00000	4.95300	277.96000	.03330	-.00040	-.02120	4.66080	.66480	6339.79999
.251	-1.986	1.00000	4.96020	278.69000	.03170	-.00010	-.01910	4.62350	.66320	6339.09998
.251	-1.056	1.00000	4.95750	278.69000	.03220	-.00020	-.01930	4.61980	.66300	6341.20001
.251	.054	1.00000	4.96390	279.42000	.03150	-.00020	-.01690	4.64780	.66330	6340.50000
.251	.525	1.00000	4.95780	278.70000	.03300	-.00020	-.01790	4.63390	.66320	6341.90002
.251	1.021	1.00000	4.96310	279.42000	.03320	-.00030	-.01770	4.63700	.66380	6341.20001
.251	2.142	1.00000	4.97010	280.15000	.03440	-.00060	-.02200	4.65770	.66360	6341.09998
.251	3.158	1.00000	4.96920	280.15000	.03450	-.00070	-.02260	4.69160	.66430	6341.79999
.251	4.162	1.00000	4.96880	280.15000	.03450	-.00060	-.02360	4.73940	.66530	6341.79999
.251	6.117	1.00000	4.96920	280.15000	.03570	-.00060	-.02650	4.81470	.66830	6341.79999
.251	8.120	1.00000	4.96160	279.43000	.03670	-.00070	-.02930	4.92130	.67000	6343.29999
.251	10.099	1.00000	4.95600	278.70000	.03730	-.00050	-.03140	4.99450	.67140	6344.00000
	GRADIENT	.00000	.00206	.28734	.00029	-.00005	-.00040	.00954	.00009	.28905

ARC 218-1-12 OA101 (OV102) (820025) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 180/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-6.078	1.00000	4.94960	276.48000	.03620	-.00040	-.01850	4.55630	.69180	6330.70001
.250	-4.095	1.00000	4.95110	276.48000	.03360	-.00020	-.01630	4.51930	.68930	6331.50000
.250	-2.007	1.00000	4.94830	276.49000	.03240	-.00020	-.01450	4.49160	.68830	6332.20001
.250	-1.073	1.00000	4.94680	276.49000	.03350	-.00020	-.01530	4.49050	.68800	6334.29999
.250	.053	1.00000	4.94700	276.49000	.03350	-.00020	-.01680	4.50040	.68760	6335.00000
.250	.565	1.00000	4.95950	277.94000	.03340	-.00020	-.01700	4.52850	.68750	6333.50000
.250	1.083	1.00000	4.95220	277.22000	.03340	-.00020	-.01620	4.52320	.68800	6334.90002
.251	2.139	1.00000	4.96560	278.67000	.03600	-.00050	-.01800	4.54100	.68870	6334.09998
.251	3.155	1.00000	4.97150	279.40000	.03570	-.00060	-.01900	4.56930	.68900	6334.09998
.251	4.189	1.00000	4.96430	278.68000	.03710	-.00080	-.02160	4.60190	.68950	6334.79999
.251	6.110	1.00000	4.97050	279.40000	.03810	-.00070	-.02420	4.66730	.69150	6335.50000
.250	8.122	1.00000	4.95660	277.96000	.03920	-.00070	-.02720	4.75830	.69300	6337.00000
.250	10.086	1.00000	4.95680	277.96000	.03920	-.00060	-.02850	4.82690	.69420	6338.40002
	GRADIENT	.00000	.00272	.38074	.00048	-.00007	-.00068	.01124	.00006	.35112

ARC 218-1-12 OA101 (OV102) (82Q026) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 196/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-35.117	1.00000	5.05970	276.93000	.02910	-.00030	.09880	-3.24030	.80960	6235.40002
.252	-29.987	1.00000	5.06040	277.68000	.02680	.00000	.09090	-3.42750	.81310	6242.50000
.253	-25.209	1.00000	5.06990	279.14000	.02670	-.00040	.07960	-3.92850	.81610	6245.20001
.252	-20.107	1.00000	5.05950	278.43000	.02580	-.00050	.06030	-4.53980	.81700	6250.20001
.252	-15.044	1.00000	5.05030	277.71000	.02650	-.00020	.04650	-4.35630	.82010	6254.50000
.252	-10.023	1.00000	5.05540	278.45000	.02710	-.00020	.03590	-3.73450	.82400	6257.20001
.252	-4.998	1.00000	5.05170	278.46000	.02820	-.00010	.03040	-2.39120	.83100	6260.09998
.252	.004	1.00000	5.05560	279.19000	.03010	-.00020	.02630	-.85110	.85530	6262.79999
.252	5.004	1.00000	5.04000	277.75000	.03410	-.00050	.02610	.66400	.79020	6267.79999
.252	9.984	1.00000	5.05080	279.21000	.03500	-.00050	.03300	1.92250	.81270	6269.90002
.252	14.975	1.00000	5.04260	278.50000	.03750	-.00050	.04250	2.78000	.81880	6273.50000
.251	20.174	1.00000	5.03400	277.78000	.03930	-.00030	.05830	3.12710	.82270	6277.70001
	GRADIENT	.00000	.00078	.14593	.00038	-.00002	-.00082	.30787	.00486	.53973

ARC 218-1-12 OA101 (OV102) (B2Q027) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 197/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-35.112	1.00000	5.04310	280.74000	.03050	-.00010	.08850	-1.80900	1.02000	6293.79999
.252	-29.992	1.00000	5.03440	280.02000	.03120	-.00040	.08270	-1.98480	1.02230	6296.00000
.253	-25.059	1.00000	5.04730	281.47000	.02830	-.00020	.07230	-2.52860	1.00680	6296.59998
.253	-20.085	1.00000	5.05200	282.20000	.02830	-.00040	.05300	-2.52860	1.05830	6296.50000
.252	-15.047	1.00000	5.03750	280.76000	.02880	-.00050	.03690	-1.53150	1.30460	6300.90002
.252	-10.022	1.00000	5.03690	280.76000	.02810	-.00030	.02550	.03710	-5.27260	6302.29999
.253	-4.956	1.00000	5.04180	281.49000	.02970	-.00020	.01800	1.67120	.39550	6303.59998
.253	-.006	1.00000	5.04040	281.50000	.03040	-.00030	.01320	3.08440	.60230	6305.00000
.252	5.001	1.00000	5.02650	280.05000	.03470	-.00080	.01070	3.88200	.67060	6308.00000
.252	9.969	1.00000	5.03040	280.78000	.03580	-.00060	.01440	4.32180	.70870	6307.90002
.252	14.973	1.00000	5.02320	280.06000	.03720	-.00050	.02370	4.36680	.73170	6310.79999
.251	20.186	1.00000	5.01700	279.34000	.03940	-.00070	.03760	4.18190	.74710	6312.90002
	GRADIENT	.00000	-.00028	.00202	.00014	-.00002	-.00097	.28549	.04178	.28282

ARC 218-1-12 OA101 (OV102) (B20028) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 198/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-35.137	1.00000	5.01510	279.34000	.03510	-.00030	.06120	.32820	-.63250	6315.09998
.252	-29.987	1.00000	5.02060	280.07000	.03370	-.00050	.05570	.31090	-.83550	6315.00000
.252	-25.057	1.00000	5.02600	280.80000	.03250	-.00030	.04000	.12300	-2.61130	6315.70001
.252	-20.107	1.00000	5.03090	281.53000	.02980	.00000	.02320	1.13000	-.08760	6316.29999
.252	-15.039	1.00000	5.02450	280.81000	.03030	-.00050	.00720	2.32770	.33040	6317.79999
.253	-10.021	1.00000	5.03620	282.26000	.02850	-.00020	-.00480	3.50010	.49450	6317.70001
.253	-4.983	1.00000	5.03600	282.26000	.03040	-.00050	-.01570	4.30880	.58180	6319.09998
.252	-.005	1.00000	5.02830	281.54000	.03130	-.00020	-.02070	4.62470	.63150	6320.59998
.252	4.993	1.00000	5.02130	280.82000	.03480	-.00050	-.02310	4.63990	.66340	6322.70001
.252	9.977	1.00000	5.02040	280.82000	.03510	-.00050	-.01870	4.54220	.68880	6323.40002
.251	14.973	1.00000	5.00700	279.38000	.03690	-.00040	-.00950	4.26600	.70740	6326.29999
.251	20.163	1.00000	5.00620	279.38000	.03920	-.00050	.00400	3.99050	.72160	6326.29999
	GRADIENT	.00000	-.00147	-.14435	.00044	-.00000	-.00074	.03317	.00818	.36091

ARC 218-1-12 OA101 (OV102) (B2Q029) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 204/ 0 RN/L = 7.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-10.065	1.00000	7.71400	435.30000	.03250	-.00060	.03250	.32940	-.62550	9947.00000
.250	-7.563	1.00000	7.70560	434.58000	.03100	-.00050	.03080	.30780	-.81520	9949.80005
.250	-5.010	1.00000	7.69760	433.86000	.02970	-.00040	.02840	.25950	-1.16830	9952.69995
.249	-4.007	1.00000	7.67070	430.97000	.02940	-.00030	.02800	.27280	-1.13540	9957.80005
.249	-2.997	1.00000	7.66910	430.97000	.02970	-.00040	.02750	.20910	-1.54850	9958.50000
.248	-1.993	1.00000	7.66270	430.25000	.02860	-.00040	.02780	.23110	-1.43640	9960.69995
.248	-.994	1.00000	7.66140	430.26000	.02770	-.00010	.02830	.21660	-1.55570	9963.50000
.248	.011	1.00000	7.66020	430.26000	.02750	.00000	.02840	.23450	-1.43330	9963.50000
.249	.977	1.00000	7.69050	433.89000	.02710	-.00020	.02880	.21770	-1.54460	9963.30005
.249	1.997	1.00000	7.67650	432.45000	.02790	-.00010	.02840	.20800	-1.61760	9966.19995
.249	3.024	1.00000	7.68720	433.90000	.02630	.00010	.03000	.25550	-1.28390	9965.40002
.249	4.050	1.00000	7.67470	432.45000	.02540	.00000	.03160	.24080	-1.33510	9969.00000
.249	5.051	1.00000	7.67250	432.46000	.02580	.00020	.03170	.24010	-1.32810	9969.69995
	GRADIENT	.00000	.00210	.37601	-.00047	.00005	.00039	-.00054	-.00575	1.26712

ARC 218-1-12 OA101 (OV102) (820030) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 203/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.249	-10.000	1.00000	7.77460	436.24000	.03800	-.00060	.02540	3.67460	.71060	10022.00000
.250	-7.518	1.00000	7.78000	436.98000	.03790	-.00070	.02120	3.84870	.71040	10024.00000
.250	-4.989	1.00000	7.77450	436.95000	.03690	-.00060	.01880	4.00370	.71060	10016.00000
.250	-3.976	1.00000	7.77440	437.62000	.03550	-.00040	.01930	4.03530	.71110	9996.19995
.250	-2.984	1.00000	7.76920	437.60000	.03580	-.00040	.01830	4.06460	.71070	9987.69995
.250	-2.021	1.00000	7.75760	436.85000	.03550	-.00040	.01840	4.08960	.71070	9980.00000
.250	-.986	1.00000	7.74560	436.10000	.03420	-.00010	.01910	4.12280	.71110	9971.59998
.250	-.004	1.00000	7.73500	435.35000	.03400	-.00020	.01940	4.11820	.71090	9964.59998
.250	.943	1.00000	7.73020	435.34000	.03320	.00000	.02010	4.10940	.71110	9960.40002
.250	1.967	1.00000	7.72770	435.33000	.03290	-.00020	.02070	4.12080	.71030	9956.80005
.250	2.949	1.00000	7.71770	434.59000	.03200	-.00010	.02140	4.12010	.71050	9954.80005
.250	3.974	1.00000	7.71600	434.59000	.03160	-.00020	.02240	4.07720	.71050	9951.90002
.250	4.994	1.00000	7.71240	434.58000	.03160	-.00020	.02320	4.04440	.70970	9949.09998
	GRADIENT	.00000	-.00707	-.33601	-.00055	.00004	.00045	.00533	-.00008	-6.10153

ARC 218-1-12 OA101 (OV102) (82Q031) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 227/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	FN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-10.004	1.00000	5.08450	274.68000	.03430	-.00050	.03400	-.86730	.82350	6209.50000
.252	-7.495	1.00000	5.08500	275.43000	.03340	-.00050	.03090	-.92000	.82710	6217.90002
.253	-4.954	1.00000	5.10050	277.62000	.03190	-.00060	.02920	-.93540	.83150	6221.29999
.252	-3.949	1.00000	5.08280	276.19000	.03230	-.00070	.02800	-.93830	.83250	6229.09998
.252	-2.933	1.00000	5.07810	276.20000	.03150	-.00050	.02840	-.93300	.83270	6234.79999
.251	-1.966	1.00000	5.06840	275.49000	.03180	-.00040	.02750	-.92890	.83470	6239.79999
.252	-.982	1.00000	5.07810	276.96000	.03040	-.00020	.02880	-.95930	.83140	6243.90002
.251	.015	1.00000	5.06860	276.24000	.03000	-.00010	.02860	-.94090	.83370	6247.50000
.251	1.023	1.00000	5.06660	276.25000	.03000	-.00030	.02880	-.97150	.83120	6249.59998
.251	2.002	1.00000	5.06490	276.25000	.02920	-.00020	.02970	-.98350	.82830	6252.40002
.251	2.995	1.00000	5.06240	276.26000	.02890	-.00030	.03010	-.99950	.82720	6255.20001
.251	4.024	1.00000	5.05370	275.55000	.02930	-.00020	.03020	-1.04770	.82410	6258.79999
.251	5.039	1.00000	5.05940	276.28000	.02940	-.00040	.03110	-1.04500	.82330	6260.90002
	GRADIENT	.00000	-.00393	-.09996	-.00039	.00005	.00021	-.01099	-.00082	3.90834

ARC 218-1-12 OA101 (OV102) (B2Q032) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 228/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-10.008	1.00000	5.04620	275.58000	.03350	-.00050	.02370	2.28490	.59730	6270.09998
.251	-7.528	1.00000	5.04990	276.31000	.03280	-.00050	.02000	2.42730	.59440	6271.50000
.251	-4.959	1.00000	5.04780	276.32000	.03190	-.00040	.01810	2.53730	.59360	6274.29999
.251	-3.970	1.00000	5.04480	276.33000	.03190	-.00050	.01750	2.57080	.59480	6277.79999
.251	-2.946	1.00000	5.04320	276.33000	.03140	-.00050	.01780	2.61620	.59660	6279.90002
.250	-1.973	1.00000	5.02890	274.89000	.03160	-.00030	.01670	2.66180	.59780	6283.59998
.250	-.005	1.00000	5.03380	275.62000	.03120	-.00010	.01720	2.66730	.59820	6285.59998
.251	1.010	1.00000	5.03890	276.35000	.02980	-.00020	.01810	2.68150	.59790	6286.29999
.251	1.985	1.00000	5.03820	276.36000	.03030	-.00030	.01770	2.66220	.59740	6287.70001
.251	2.991	1.00000	5.03660	276.36000	.02910	.00000	.01910	2.63980	.59610	6288.40002
.251	4.029	1.00000	5.04850	277.81000	.02790	-.00020	.02080	2.59410	.59500	6288.29999
.251	5.023	1.00000	5.03460	276.36000	.02850	-.00030	.02070	2.56120	.59300	6290.50000
	GRADIENT	.00000	-.00031	.10772	-.00040	.00004	.00024	.00806	.00017	1.52257

ARC 218-1-12 OA101 (OV102) (B2Q033) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 205/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.249	-10.017	1.00000	7.66350	431.74000	.03360	-.00040	.02200	2.63460	.61120	9974.00000
.249	-7.513	1.00000	7.66800	432.47000	.03250	-.00030	.01820	2.80080	.60930	9973.19995
.248	-4.950	1.00000	7.65440	431.02000	.03210	-.00050	.01600	2.91840	.60820	9975.40002
.249	-3.935	1.00000	7.66100	431.75000	.03070	-.00030	.01670	2.94420	.60980	9975.40002
.248	-2.941	1.00000	7.64220	429.57000	.03130	-.00030	.01560	2.96880	.60900	9976.90002
.248	-1.959	1.00000	7.64680	430.30000	.03020	-.00020	.01580	3.00310	.60960	9977.59998
.248	-.977	1.00000	7.62800	428.12000	.03020	.00000	.01590	3.01510	.61010	9980.50000
.248	.008	1.00000	7.65190	431.03000	.02920	.00000	.01650	3.02160	.60930	9978.30005
.248	1.030	1.00000	7.65190	431.03000	.02850	-.00010	.01710	3.05750	.61070	9979.69995
.248	1.998	1.00000	7.63850	429.58000	.03010	-.00030	.01620	3.02050	.61050	9981.19995
.248	3.010	1.00000	7.63850	429.58000	.02880	-.00010	.01730	3.01360	.60890	9981.19995
.249	4.020	1.00000	7.65680	431.76000	.02830	-.00020	.01820	2.98680	.60850	9979.59998
.248	5.043	1.00000	7.62980	428.86000	.02880	-.00010	.01880	2.93190	.60750	9984.69995
	GRADIENT	.00000	-.00070	-.01993	-.00036	.00003	.00019	.00931	.00004	.63329

ARC 218-1-12 0A101 (0V102) (B20034) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 229/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-10.009	1.00000	5.03780	277.10000	.03350	-.00020	-.01170	4.14710	.63220	6292.59998
.251	-7.512	1.00000	5.03670	277.10000	.03150	-.00030	-.01350	4.31070	.63160	6294.70001
.251	-4.952	1.00000	5.04220	277.83000	.03080	-.00010	-.01610	4.45730	.63050	6294.70001
.251	-3.937	1.00000	5.04250	277.83000	.02990	-.00010	-.01590	4.49100	.63110	6295.40002
.251	-2.934	1.00000	5.04300	277.83000	.03030	-.00010	-.01700	4.52490	.63130	6295.40002
.251	-1.971	1.00000	5.04200	277.84000	.02970	-.00010	-.01710	4.56130	.63170	6296.09998
.251	-.953	1.00000	5.04150	277.84000	.02980	.00000	-.01760	4.58260	.63160	6296.79999
.251	-.005	1.00000	5.04700	278.56000	.02920	.00000	-.01710	4.58500	.63160	6296.79999
.251	1.037	1.00000	5.04620	278.57000	.02930	.00000	-.01710	4.58240	.63180	6297.40002
.251	1.985	1.00000	5.03240	277.12000	.03120	-.00020	-.01810	4.54380	.63200	6298.90002
.251	3.016	1.00000	5.03870	277.84000	.03050	-.00020	-.01720	4.52750	.63150	6298.90002
.251	4.025	1.00000	5.03820	277.85000	.03090	-.00020	-.01680	4.49150	.63160	6299.59998
.251	5.034	1.00000	5.04370	278.57000	.02920	.00000	-.01410	4.44110	.63160	6299.59998
	GRADIENT	.00000	-.00059	-.00226	.00005	-.00001	-.00012	.00439	.00010	.54857

ARC 218-1-12 OA101 (OV102) (82Q035) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = 2.000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 230/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-10.013	1.00000	5.03590	277.85000	.03350	-.00060	.02160	2.52830	.60310	6301.70001
.251	-7.523	1.00000	5.03490	277.85000	.03290	-.00030	.01800	2.69520	.60190	6302.40002
.251	-4.943	1.00000	5.02750	277.13000	.03300	-.00070	.01500	2.83150	.60120	6303.90002
.251	-3.969	1.00000	5.03950	278.58000	.03260	-.00070	.01500	2.85830	.60300	6303.09998
.251	-2.939	1.00000	5.03390	277.86000	.03190	-.00060	.01500	2.88470	.60350	6303.79999
.251	-1.970	1.00000	5.02650	277.14000	.03240	-.00060	.01470	2.89390	.60480	6305.29999
.251	-.961	1.00000	5.03180	277.86000	.03210	-.00060	.01440	2.95550	.60580	6304.59998
.251	.000	1.00000	5.03900	278.59000	.03120	-.00050	.01540	2.90390	.60390	6303.79999
.251	1.028	1.00000	5.03250	277.86000	.03060	-.00030	.01600	2.90120	.60460	6305.29999
.251	2.011	1.00000	5.03900	278.59000	.02990	-.00020	.01670	2.89630	.60530	6304.50000
.251	2.993	1.00000	5.03170	277.86000	.03050	-.00030	.01670	2.88450	.60450	6305.29999
.251	4.015	1.00000	5.03760	278.59000	.02960	-.00010	.01740	2.88320	.60330	6305.20001
.251	4.993	1.00000	5.03100	277.87000	.^2960	-.00010	.01860	2.80930	.60320	6306.70001
	GRADIENT	.00000	.00026	.06055	-.00036	.00007	.00035	-.00056	.00013	.23798

ARC 218-1-12 OA101 (OV102) (B2Q036) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 207/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-7.838	1.00000	5.03450	279.42000	.02950	-.00040	.00390	-4.54600	.68200	6341.90002
.251	-5.899	1.00000	5.02200	279.47000	.02930	-.00010	.01440	-4.10730	.68820	6358.09998
.251	-5.380	1.00000	5.03850	280.16000	.02870	-.00020	.01790	-3.89210	.69120	6343.90002
.251	-2.525	1.00000	5.02360	279.46000	.02910	-.00030	.02780	-2.54880	.71710	6355.29999
.251	-.552	1.00000	5.03110	280.18000	.02830	-.00030	.03250	-1.17450	.79980	6353.09998
.250	-.129	1.00000	5.01780	277.99000	.02980	-.00030	.03040	-.96610	.83570	6347.59998
.251	1.736	1.00000	5.02510	279.46000	.02910	-.00040	.03000	.36310	.20100	6353.09998
.251	2.477	1.00000	5.02910	279.44000	.02870	-.00020	.02910	.98920	.48360	6348.20001
.250	3.402	1.00000	5.01980	278.72000	.02810	-.00020	.02750	1.50580	.54190	6351.79999
.251	4.786	1.00000	5.02820	279.44000	.02900	-.00030	.02270	2.48840	.59310	6348.90002
.251	7.278	1.00000	5.02540	280.95000	.02900	.00010	.01180	3.54610	.61640	6368.59998
.251	8.823	1.00000	5.02450	280.96000	.03000	-.00010	-.00020	4.13420	.62500	6369.29999
.251	11.099	1.00000	5.02990	281.68000	.02980	-.00010	-.01380	4.35950	.63150	6370.00000
.251	13.268	1.00000	5.02920	281.69000	.03200	-.00020	-.03240	4.36010	.63390	6371.40002
.251	16.625	1.00000	5.02640	281.70000	.03450	-.00030	-.06240	4.01020	.64020	6374.20001
.252	18.515	1.00000	5.03330	282.43000	.03700	-.00040	-.07920	3.69420	.64410	6375.59998
	GRADIENT	.00000	.00025	-.02250	-.00006	.00001	-.00074	.69178	-.04214	-.61466

ARC 218-1-12 OA101 (OV102) (B2Q037) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 214/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-30.069	1.00000	5.00170	284.77000	.03140	-.00070	.08900	-3.49460	.81100	6429.09998
.251	-25.107	1.00000	5.00130	284.77000	.02920	-.00050	.07650	-3.82810	.81440	6429.09998
.252	-20.058	1.00000	5.00760	285.49000	.02610	-.00030	.06610	-4.09940	.81550	6428.29999
.252	-15.050	1.00000	5.00760	285.49000	.02490	-.00020	.05150	-4.15500	.81810	6428.29999
.252	-9.973	1.00000	5.00720	285.49000	.02580	-.00020	.04210	-3.45240	.82160	6428.29999
.252	-5.007	1.00000	5.01390	286.21000	.02700	-.00030	.03500	-2.37580	.82650	6427.59998
.252	-.013	1.00000	5.01320	286.21000	.02800	-.00020	.03270	-.95610	.83190	6426.90002
.252	4.968	1.00000	5.01360	286.21000	.03010	-.00030	.03410	.53220	.80270	6426.90002
.252	9.937	1.00000	5.00660	285.49000	.03240	-.00040	.03980	1.69720	.82020	6427.59998
.252	15.159	1.00000	5.00660	285.49000	.03410	-.00030	.05090	2.49260	.82350	6427.59998
	GRADIENT	.00000	.00008	.00000	.00042	-.00002	.00028	.29880	-.00586	.00000

ARC 218-1-12 OA101 (OV102) (B2Q038) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 215/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-30.071	1.00000	5.00070	284.76000	.03240	-.00070	.08290	-2.15830	.98910	6428.40002
.252	-25.116	1.00000	5.01290	286.21000	.02930	-.00040	.07370	-2.29520	1.00600	6426.20001
.252	-20.046	1.00000	5.01250	286.21000	.02660	-.00020	.05990	-2.28860	1.04490	6426.90002
.252	-15.041	1.00000	5.01220	286.21000	.02680	-.00050	.04580	-1.52900	1.22580	6426.20001
.252	-9.996	1.00000	5.00580	285.49000	.02520	.00010	.03510	-.19010	7.24290	6427.59998
.252	-5.004	1.00000	5.00660	285.49000	.02710	-.00030	.02630	1.33710	.35890	6427.59998
.252	.022	1.00000	5.00000	284.76000	.02820	-.00010	.02260	2.59380	.59660	6427.70001
.252	4.961	1.00000	5.00550	285.48000	.02900	-.00010	.02260	3.48740	.67330	6426.90002
.252	9.957	1.00000	5.00580	285.49000	.03090	-.00010	.02670	3.89600	.71120	6427.59998
.251	15.149	1.00000	4.99250	284.04000	.03340	-.00030	.03650	3.96160	.73400	6429.09998
	GRADIENT	.00000	.00111	.14580	.00016	.00000	.00000	.18095	.01553	-.16197

ARC 218-1-12 OA101 (OV102) (B2Q039) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 216/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-30.081	1.00000	4.99850	284.77000	.03600	-.00090	.05340	.18110	-1.44810	6429.79999
.251	-25.104	1.00000	4.99820	284.77000	.03270	-.00050	.04210	.50570	-.55310	6429.09998
.252	-20.108	1.00000	5.00370	285.49000	.03170	-.00050	.02550	1.07770	-.05890	6428.29999
.252	-15.023	1.00000	5.00950	286.22000	.02830	.00000	.01210	2.23650	.33750	6428.29999
.252	-9.983	1.00000	5.01020	286.22000	.02910	-.00030	-.00110	3.29590	.49940	6429.00000
.252	-5.014	1.00000	5.00380	285.49000	.02870	-.00020	-.00970	4.05040	.58110	6430.40002
.252	.012	1.00000	5.00960	286.22000	.02930	-.00030	-.01460	4.44390	.63130	6430.40002
.251	4.955	1.00000	4.99590	284.77000	.03140	-.00040	-.01570	4.47660	.66460	6431.90002
.251	9.943	1.00000	4.99620	284.77000	.03120	-.00020	-.01010	4.34820	.68810	6432.59998
.251	15.139	1.00000	4.99570	284.77000	.03280	-.00020	-.00110	4.16890	.70790	6432.59998
	GRADIENT	.00000	-.00277	-.29332	.00042	-.00002	-.00022	.00661	.00674	.30343

ARC 218-1-12 OA101 (OV102) (B2Q040) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 221/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-22.911	1.00000	4.97050	284.05000	.03350	-.00020	.03900	-.76040	.89860	6434.00000
.251	-18.119	1.00000	4.96970	284.05000	.03290	-.00020	.03540	-.76600	.88140	6434.70001
.251	-14.965	1.00000	4.97530	284.78000	.03040	-.00010	.03450	-.79830	.87000	6433.29999
.252	-10.052	1.00000	4.98150	285.50000	.03040	-.00020	.03100	-.79710	.86320	6432.50000
.251	-5.010	1.00000	4.96940	284.05000	.03070	-.00010	.02910	-.84220	.84450	6434.00000
.251	-2.467	1.00000	4.96970	284.05000	.03060	-.00010	.02940	-.80040	.84990	6434.70001
.251	.161	1.00000	4.96900	284.05000	.03020	-.00020	.02920	-.83640	.84690	6434.00000
.252	2.594	1.00000	4.98110	285.50000	.03000	-.00020	.03010	-.82840	.85050	6432.50000
.251	5.064	1.00000	4.97590	284.78000	.03080	-.00020	.02970	-.82950	.84620	6434.00000
.252	10.168	1.00000	4.98150	285.50000	.03090	-.00020	.03120	-.81050	.85350	6432.50000
	GRADIENT	.00000	.00222	.28272	-.00012	-.00002	.00014	-.00564	.00010	-.43250

ARC 218-1-12 OA101 (OV102) (B2Q041) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 222/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-22.796	1.00000	4.97440	284.78000	.03230	-.00020	.02950	2.13800	.57390	6433.29999
.251	-17.989	1.00000	4.97390	284.78000	.03120	-.00020	.02650	2.31370	.58630	6434.00000
.251	-14.955	1.00000	4.97400	284.78000	.03050	-.00020	.02490	2.40220	.59070	6433.29999
.251	-10.084	1.00000	4.96740	284.05000	.03060	-.00010	.02130	2.54500	.59620	6434.00000
.252	-5.068	1.00000	4.97990	285.50000	.02910	-.00020	.02040	2.63700	.60030	6432.50000
.252	-2.497	1.00000	4.98000	285.50000	.02960	-.00020	.02050	2.63720	.60110	6431.79999
.251	.028	1.00000	4.96790	284.05000	.03050	-.00030	.01950	2.65370	.60130	6433.40002
.252	2.537	1.00000	4.98040	285.49000	.03000	-.00020	.02070	2.62460	.60030	6429.70001
.251	5.064	1.00000	4.97430	284.77000	.03100	-.00030	.01880	2.65960	.60130	6429.09998
.252	10.148	1.00000	4.98110	285.49000	.03100	-.00020	.02190	2.54840	.59920	6427.59998
	GRADIENT	.00000	.00007	-.00263	.00008	-.00000	.00004	-.00249	-.00016	-.41599

ARC 218-1-12 OA101 (OV102) (B2Q042) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 206/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.248	-22.911	1.00000	7.64220	431.06000	.03110	-.00020	.02580	2.55060	.59060	9989.59998
.248	-18.054	1.00000	7.64130	431.06000	.02970	.00000	.02270	2.72780	.59900	9991.69995
.248	-15.063	1.00000	7.61590	428.90000	.03110	.00000	.01950	2.82730	.60250	9998.80005
.248	-9.894	1.00000	7.62770	430.36000	.03000	.00000	.01810	2.92700	.60770	9999.50000
.248	-4.888	1.00000	7.63200	431.09000	.02980	-.00010	.01670	2.99310	.60990	9999.40002
.249	-2.447	1.00000	7.64470	432.54000	.02860	-.00010	.01670	3.05780	.61040	9997.90002
.248	.057	1.00000	7.61840	429.64000	.03030	-.00020	.01570	3.03990	.6100010002.00000	
.248	2.613	1.00000	7.61780	429.64000	.03090	-.00030	.01540	3.02370	.6098010003.00000	
.248	5.111	1.00000	7.62220	430.37000	.03030	-.00020	.01620	3.01480	.6109010004.00000	
.248	10.207	1.00000	7.61590	429.65000	.03170	-.00010	.01710	2.89830	.6092010006.00000	
.251	18.233	1.00000	7.72490	442.73000	.03380	-.00040	.02020	2.68890	.5992010001.00000	
.251	23.094	1.00000	7.71560	442.01000	.03560	-.00040	.02360	2.46030	.5913010004.00000	
	GRADIENT	.00000	-.00277	-.29137	.00020	-.00003	-.00020	.00288	-.00003	.59825

ARC 218-1-12 0A101 (0V102) (B20043) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 223/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-22.911	1.00000	4.98000	285.48000	.02990	.00000	-.00680	4.08170	.62420	6426.90002
.252	-17.928	1.00000	4.98090	285.48000	.03010	-.00020	-.01060	4.20970	.62760	6426.20001
.252	-15.024	1.00000	4.97420	284.76000	.03030	-.00010	-.01340	4.36660	.62940	6426.90002
.252	-9.989	1.00000	4.97420	284.76000	.03030	-.00020	-.01610	4.48910	.63160	6426.90002
.252	-5.000	1.00000	4.98710	286.21000	.02800	-.00010	-.01530	4.51720	.63280	6425.50000
.252	-2.397	1.00000	4.97470	284.76000	.02940	-.00010	-.01700	4.52360	.63330	6426.20001
.252	.019	1.00000	4.97430	284.76000	.02990	-.00010	-.01730	4.52130	.63300	6426.20001
.252	2.518	1.00000	4.98060	285.48000	.02970	-.00020	-.01710	4.54190	.63230	6425.50000
.251	5.026	1.00000	4.96770	284.03000	.03150	-.00020	-.01910	4.56590	.63270	6427.00000
.252	10.168	1.00000	4.97370	284.76000	.03140	-.00020	-.01740	4.49200	.63150	6425.50000
	GRADIENT	.00000	-.00091	-.08982	.00023	-.00001	-.00023	.00288	-.00007	.00117

ARC 218-1-12 0A101 (0V102) (B20044) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 224/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-22.854	1.00000	4.95560	282.58000	.03500	-.00020	-.05270	3.84710	.63460	6428.50000
.250	-18.022	1.00000	4.94890	281.86000	.03410	-.00010	-.05690	3.98590	.63650	6429.20001
.251	-15.043	1.00000	4.96070	283.31000	.03320	-.00010	-.05750	3.99490	.63760	6427.70001
.251	-9.946	1.00000	4.95440	282.58000	.03310	.00000	-.06090	4.10280	.63880	6428.50000
.251	-4.990	1.00000	4.95440	282.58000	.03260	.00000	-.06190	4.12100	.63940	6428.50000
.251	-2.497	1.00000	4.96110	283.31000	.03240	-.00030	-.06250	4.18960	.63960	6427.70001
.251	.038	1.00000	4.95480	282.58000	.03300	-.00020	-.06310	4.15180	.63960	6428.50000
.251	2.584	1.00000	4.96690	284.03000	.03140	.00000	-.06080	4.12880	.63940	6427.00000
.251	5.054	1.00000	4.96700	284.03000	.03210	.00000	-.06220	4.17950	.63950	6426.29999
.251	10.187	1.00000	4.96080	283.30000	.03340	-.00010	-.06160	4.12570	.63880	6427.00000
	GRADIENT	.00000	.00124	.14345	-.00012	.00000	.00011	-.00061	-.00000	-.14659

ARC 218-1-12 OA101 (OV102) (B2Q045) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RN/L =	5.000		

RUN NO. 225/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-22.892	1.00000	4.97910	285.47000	.03200	-.00020	.02460	2.50120	.58820	6422.70001
.252	-18.022	1.00000	4.97370	284.75000	.03150	-.00010	.02120	2.68510	.59620	6422.70001
.252	-15.082	1.00000	4.97370	284.75000	.03140	-.00030	.01900	2.79100	.60100	6422.70001
.251	-9.968	1.00000	4.96120	283.30000	.03210	-.00020	.01500	2.95390	.60490	6424.20001
.252	-4.898	1.00000	4.97330	284.75000	.03070	-.00030	.01550	2.98430	.60660	6422.70001
.251	-2.457	1.00000	4.96710	284.02000	.03140	-.00030	.01470	2.96440	.60730	6422.79999
.251	.028	1.00000	4.96060	283.29000	.03180	-.00040	.01430	2.99920	.60720	6422.79999
.251	2.622	1.00000	4.96750	284.02000	.03050	-.00020	.01470	3.01260	.60580	6422.79999
.250	5.073	1.00000	4.94830	281.84000	.03270	-.00050	.01460	2.93340	.60300	6425.00000
.252	10.138	1.00000	4.97310	284.74000	.03190	-.00060	.01580	2.89100	.60140	6421.29999
	GRADIENT	.00000	-.00094	-.11464	-.00001	.00001	-.00011	.00481	-.00010	.01185

ARC 218-1-12 OA101 (OV102) (B2Q046) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 208/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-7.927	1.00000	5.05150	286.10000	.03090	-.00030	.00270	-4.47700	.68130	6389.50000
.253	-5.459	1.00000	5.05090	286.11000	.03040	-.00010	.01660	-3.79500	.69020	6390.90002
.253	-.080	1.00000	5.05010	286.11000	.03050	-.00020	.02900	-.85080	.85240	6390.90002
.253	2.469	1.00000	5.04290	285.38000	.02960	-.00010	.02810	1.07770	.50430	6392.29999
.253	5.723	1.00000	5.04620	286.12000	.02980	-.00020	.01790	2.88510	.60340	6395.79999
.252	7.188	1.00000	5.03890	285.40000	.03040	-.00030	.00820	3.68600	.61710	6398.00000
.253	8.830	1.00000	5.04430	286.13000	.02990	-.00030	-.00160	4.21560	.62570	6397.90002
.253	11.027	1.00000	5.04340	286.13000	.02950	-.00020	-.01720	4.56030	.63110	6398.59998
.252	13.181	1.00000	5.03660	285.41000	.03050	-.00010	-.03400	4.51110	.63330	6400.09998
.252	16.642	1.00000	5.02220	283.97000	.03270	-.00010	-.06310	4.07230	.63910	6405.09998
.251	18.524	1.00000	5.00790	282.52000	.03420	-.00010	-.07970	3.75910	.64290	6407.29999
	GRADIENT	.00000	-.00282	-.28633	-.00035	.00004	-.00035	.75642	-.13654	.54910

ARC 218-1-12 OA101 (OV102) (B2Q047) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 234/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.137	1.00000	5.02460	279.36000	.03170	-.00020	.01340	3.01100	.61700	6320.70001
.251	-4.163	1.00000	5.01820	278.64000	.03040	-.00010	.01650	2.89600	.61050	6321.40002
.251	-2.066	1.00000	5.02500	279.36000	.02990	-.00030	.01820	2.82450	.60640	6320.70001
.251	-1.043	1.00000	5.01830	278.63000	.02950	.00000	.01810	2.82830	.60520	6320.70001
.251	-.226	1.00000	5.01100	277.91000	.03010	-.00010	.01860	2.79770	.60430	6321.50000
.251	.610	1.00000	5.02420	279.36000	.03020	-.00020	.01740	2.86840	.60330	6320.70001
.251	1.074	1.00000	5.02380	279.36000	.03070	-.00030	.01560	2.95700	.60480	6320.70001
.251	2.090	1.00000	5.02380	279.36000	.03150	-.00020	.01520	2.95200	.60690	6320.70001
.251	3.137	1.00000	5.02370	279.36000	.03070	-.00010	.01480	3.02370	.60950	6321.40002
.251	4.147	1.00000	5.02330	279.36000	.03150	-.00020	.01400	3.03290	.61210	6321.40002
.251	6.185	1.00000	5.01640	278.64000	.03280	-.00020	.01080	3.18770	.61980	6322.09998
.251	8.227	1.00000	5.01640	278.64000	.03310	-.00010	.00860	3.34890	.62540	6322.09998
.251	10.204	1.00000	5.01670	278.64000	.03350	-.00010	.00590	3.54980	.63260	6322.90002
	GRADIENT	.00000	.00067	.09645	.00018	-.00001	-.00045	.02448	.00025	.01581

ARC 218-1-12 OA101 (OV102) (B2Q048) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = -22.800
RN/L = 5.000

RUN NO. 233/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.146	1.00000	5.02720	279.36000	.03330	-.00030	.02360	2.44330	.59130	6320.00000
.252	-4.171	1.00000	5.03250	280.08000	.03140	-.00010	.02770	2.33140	.58440	6318.50000
.251	-2.095	1.00000	5.01920	278.63000	.03260	-.00030	.02760	2.29280	.58160	6320.00000
.251	-1.017	1.00000	5.01950	278.63000	.03170	-.00040	.02860	2.29080	.58120	6320.70001
.251	-.226	1.00000	5.02070	278.63000	.03150	-.00020	.02970	2.27300	.58210	6320.70001
.251	.598	1.00000	5.01270	277.91000	.03390	-.00020	.02610	2.37860	.58360	6321.50000
.251	1.469	1.00000	5.02580	279.36000	.03230	.00010	.02580	2.43130	.58600	6320.70001
.251	2.091	1.00000	5.01940	278.64000	.03320	-.00030	.02530	2.43160	.58740	6321.40002
.251	3.149	1.00000	5.01940	278.64000	.03310	-.00040	.02490	2.48100	.59090	6321.40002
.251	4.138	1.00000	5.01910	278.63000	.03320	-.00020	.02360	2.53240	.59500	6320.70001
.251	6.181	1.00000	5.01940	278.64000	.03420	-.00010	.02020	2.68250	.60480	6321.40002
.251	8.201	1.00000	5.01210	277.91000	.03540	-.00020	.01700	2.81820	.61080	6322.20001
.251	10.200	1.00000	5.01820	278.64000	.03550	-.00020	.01450	2.94580	.61560	6321.40002
	GRADIENT	.00000	-.00102	-.10893	.00022	-.00001	-.00057	.02944	.00139	.27403

ARC 218-1-12 OA101 (OV102) (B2Q049) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 211/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-7.937	1.00000	5.01800	285.47000	.03640	-.00050	.00080	-4.40420	.69270	6421.29999
.252	-5.544	1.00000	5.01730	285.47000	.03630	-.00030	.01510	-3.77710	.70480	6421.29999
.252	-.140	1.00000	5.01700	285.47000	.03500	-.00030	.02870	-1.18270	.85830	6420.59998
.252	2.433	1.00000	5.01770	285.47000	.03440	-.00050	.02750	.62770	.28230	6420.59998
.252	5.764	1.00000	5.01750	285.46000	.03460	-.00050	.01770	2.44210	.56400	6419.90002
.252	8.950	1.00000	5.01670	285.46000	.03350	-.00040	-.00020	3.80290	.60560	6419.90002
.252	11.035	1.00000	5.01730	285.47000	.03330	-.00040	-.01680	4.31510	.61610	6420.59998
.252	13.158	1.00000	5.01070	284.74000	.03350	-.00030	-.03380	4.39090	.62120	6421.29999
.252	16.249	1.00000	5.01060	284.74000	.03430	-.00040	-.06080	4.12650	.62910	6422.00000
.251	18.496	1.00000	4.99160	282.57000	.03670	-.00060	-.07990	3.74320	.63510	6425.00000
	GRADIENT	.00000	.00027	.00000	-.00023	-.00008	-.00047	.70361	-.22386	.00004

ARC 218-1-12 OA101 (OV102) (B2Q050) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 212/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-7.799	1.00000	5.01510	285.48000	.03280	.00000	.00510	-4.05760	.65300	6425.50000
.252	-5.335	1.00000	5.01350	285.48000	.03280	-.00020	.01790	-3.24350	.65080	6425.50000
.252	-.101	1.00000	5.01990	286.20000	.03280	-.00030	.03100	-.09980	.44010	6424.00000
.252	2.526	1.00000	5.01990	286.20000	.03290	-.00010	.02830	1.69030	.66480	6424.00000
.252	5.723	1.00000	5.01330	285.48000	.03410	-.00030	.01760	3.18980	.65880	6424.09998
.252	7.377	1.00000	5.01360	285.48000	.03390	-.00030	.00890	3.76040	.65830	6424.79999
.252	8.940	1.00000	5.01910	286.20000	.03340	-.00010	-.00090	4.16960	.65800	6424.00000
.252	11.136	1.00000	5.01830	286.20000	.03430	-.00040	-.01720	4.37940	.65600	6424.00000
.252	13.313	1.00000	5.00640	284.76000	.03710	-.00060	-.03590	4.29710	.65370	6426.20001
.252	16.362	1.00000	5.00610	284.76000	.03890	-.00080	-.06180	3.95640	.65440	6426.20001
.250	18.593	1.00000	4.98110	281.86000	.04230	-.00110	-.08060	3.58550	.65620	6429.90002
	GRADIENT	.00000	.00000	.00000	.00004	.00008	-.00103	.68145	.08554	.00000

ARC 218-1-12 OA101 (OV102) (B2Q051) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 213/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-7.716	1.00000	4.99790	284.04000	.03690	.00010	.00760	-3.65030	.63730	6429.09998
.252	-5.429	1.00000	5.01710	286.21000	.03570	-.00010	.02250	-2.70290	.62810	6426.90002
.252	-.015	1.00000	5.00430	284.76000	.03770	.00000	.03260	.23360	1.02510	6427.70001
.252	2.544	1.00000	5.01020	285.48000	.03680	-.00010	.03130	1.77310	.69850	6426.90002
.253	5.796	1.00000	5.02270	286.93000	.03620	.00000	.02130	3.10950	.67680	6425.40002
.252	7.245	1.00000	5.01640	286.21000	.03720	-.00020	.01130	3.66600	.67230	6426.20001
.252	8.990	1.00000	5.01020	285.48000	.03730	-.00040	.00130	3.98980	.67010	6426.90002
.252	11.174	1.00000	5.01630	286.21000	.03730	-.00030	-.01430	4.17830	.66530	6426.90002
.252	13.309	1.00000	5.00340	284.76000	.03900	-.00050	-.03220	4.13490	.66110	6428.40002
.251	16.490	1.00000	4.99110	283.31000	.04110	-.00070	-.05840	3.79300	.66010	6430.59998
.250	18.657	1.00000	4.97810	281.87000	.04340	-.00080	-.07700	3.48820	.66110	6432.09998
	GRADIENT	.00000	.00231	.28129	-.00035	-.00004	-.00051	.60146	-.12760	-.31258

ARC 218-1-12 OA101 (OV102) (B2Q052) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 219/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-11.627	1.00000	4.98270	284.77000	.03530	-.00030	.02900	-1.09470	.86930	6431.90002
.252	-7.921	1.00000	4.98900	285.50000	.03290	-.00040	.02920	-1.04130	.86360	6431.09998
.252	-6.056	1.00000	4.98790	285.49000	.03210	-.00040	.02900	-1.03440	.85590	6430.40002
.251	-3.072	1.00000	4.98170	284.77000	.03060	-.00030	.02910	-.93210	.85520	6431.20001
.251	-.010	1.00000	4.97580	284.05000	.02960	-.00020	.03030	-.83930	.84550	6431.90002
.251	3.144	1.00000	4.96300	282.59000	.02970	-.00020	.02930	-.71820	.83730	6432.70001
.250	6.020	1.00000	4.95690	281.87000	.03020	-.00020	.02920	-.58780	.82070	6434.20001
.251	8.071	1.00000	4.96920	283.32000	.03000	-.00010	.02960	-.44470	.81730	6432.00000
.251	12.150	1.00000	4.97550	284.04000	.03080	-.00020	.02990	-.22470	.76250	6431.20001
.251	16.406	1.00000	4.96370	282.59000	.03350	-.00030	.03120	-.02810	-.16040	6432.70001
.251	22.488	1.00000	4.96300	282.59000	.03770	-.00030	.03350	.23850	1.01660	6432.70001
	GRADIENT	.00000	-.00301	-.35125	-.00014	.00002	.00003	.03443	-.00288	.24135

ARC 218-1-12 OA101 (OV102) (B2Q053) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 175/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-11.704	1.00000	4.97400	277.22000	.03500	-.00020	.01900	2.39220	.56660	6332.79999
.251	-8.018	1.00000	4.98550	278.68000	.03220	-.00050	.01960	2.54500	.58010	6334.79999
.250	-6.045	1.00000	4.97240	277.23000	.03240	-.00040	.01890	2.62220	.58650	6336.40002
.250	-2.944	1.00000	4.96620	276.50000	.03160	-.00030	.01830	2.76640	.59910	6337.79999
.250	.119	1.00000	4.97050	277.23000	.03120	-.00030	.01780	2.89940	.61040	6338.50000
.250	3.033	1.00000	4.96950	277.23000	.03050	-.00010	.01820	3.00600	.62170	6339.20001
.251	6.010	1.00000	4.98190	278.69000	.03020	-.00020	.01820	3.08940	.63190	6338.40002
.250	8.092	1.00000	4.97490	277.96000	.03080	-.00030	.01850	3.13270	.63890	6339.79999
.250	12.099	1.00000	4.97370	277.97000	.03240	-.00050	.01880	3.14060	.65140	6340.59998
.251	16.424	1.00000	4.98000	278.69000	.03340	-.00020	.02050	3.15140	.66390	6340.50000
.250	22.500	1.00000	4.97330	277.97000	.03700	-.00050	.02250	3.11930	.68130	6342.70001
	GRADIENT	.00000	.00056	.12311	-.00018	.00003	-.00002	.04011	.00378	.23415

ARC 218-1-12 OA101 (OV102) (B20054) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 187/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-11.713	1.00000	7.67240	434.93000	.03470	-.00030	.01630	2.51190	.56560	9821.30005
.252	-8.028	1.00000	7.67600	436.41000	.03330	-.00040	.01530	2.69360	.57880	9830.40002
.252	-6.089	1.00000	7.66730	437.20000	.03150	-.00020	.01610	2.74020	.58440	9851.59998
.251	-2.955	1.00000	7.64890	435.78000	.03120	-.00010	.01520	2.86630	.59420	9860.80005
.251	-.071	1.00000	7.64280	435.81000	.03120	-.00020	.01440	2.99710	.60470	9872.09998
.251	3.013	1.00000	7.64180	436.56000	.03010	.00000	.01480	3.12650	.61570	9881.19995
.251	6.030	1.00000	7.62620	435.13000	.03110	-.00030	.01490	3.15370	.62740	9888.40002
.251	8.092	1.00000	7.62640	435.87000	.03080	-.00010	.01520	3.19060	.63370	9894.69995
.251	12.027	1.00000	7.61660	435.16000	.03190	.00010	.01600	3.21370	.64720	9899.69995
.251	16.469	1.00000	7.62670	436.62000	.03380	-.00040	.01690	3.21510	.65880	9902.40002
.251	22.500	1.00000	7.61460	435.93000	.03650	-.00010	.02010	3.16530	.67740	9913.80005
	GRADIENT	.00000	-.00118	.13199	-.00019	.00002	-.00006	.04358	.00360	3.41274

ARC 218-1-12 OA101 (OV102) (B20055) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 220/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-11.781	1.00000	4.97460	284.05000	.03200	-.00030	-.01610	4.35150	.61750	6431.90002
.251	-8.132	1.00000	4.96800	283.32000	.03130	-.00020	-.01730	4.46740	.62200	6432.70001
.251	-6.002	1.00000	4.97390	284.05000	.03070	-.00020	-.01800	4.54430	.62450	6431.90002
.251	-3.008	1.00000	4.96170	282.60000	.03040	-.00010	-.01740	4.49010	.62850	6433.40002
.251	-.050	1.00000	4.97390	284.05000	.02960	-.00040	-.01660	4.49470	.63270	6431.90002
.251	3.043	1.00000	4.96170	282.60000	.03020	-.00030	-.01800	4.57170	.63720	6433.40002
.251	5.920	1.00000	4.96720	283.32000	.03040	-.00020	-.01820	4.59300	.64140	6432.70001
.251	8.061	1.00000	4.96710	283.32000	.03130	-.00020	-.01830	4.51470	.64460	6433.40002
.251	12.099	1.00000	4.96790	283.32000	.03240	-.00030	-.01830	4.47310	.65070	6433.40002
.251	16.253	1.00000	4.96680	283.32000	.03420	-.00040	-.01820	4.46850	.65710	6433.40002
.251	22.500	1.00000	4.96670	283.33000	.03690	-.00040	-.01440	4.20480	.66580	6434.09998
	GRADIENT	.00000	-.00003	-.00358	-.00003	-.00003	-.00010	.01357	.00144	.00370

ARC 218-1-12 OA101 (OV102) (B2QC36) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 271/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-8.017	1.00000	5.07070	281.83000	.02870	-.00010	-.00350	-4.92370	.67340	6420.09998
.251	-5.552	1.00000	5.08080	283.29000	.02900	-.00030	.01010	-4.23060	.67890	6421.40002
.251	-4.690	1.00000	5.07930	283.29000	.02860	-.00010	.01360	-3.90720	.68240	6422.79999
.251	-.161	1.00000	5.06610	284.09000	.02740	-.00020	.02310	-.99960	.78530	6446.70001
.251	2.662	1.00000	5.07670	283.30000	.02780	-.00020	.01960	1.44720	.56680	6426.29999
.251	4.955	1.00000	5.07610	283.31000	.02730	-.00010	.01330	3.11380	.61620	6427.70001
.251	5.617	1.00000	5.07220	283.32000	.02760	-.00010	.00970	3.56290	.62160	6432.00000
.251	7.123	1.00000	5.07760	284.05000	.02820	-.00020	.00070	4.36360	.63000	6432.59998
.251	8.847	1.00000	5.06960	283.33000	.02730	-.00010	-.00840	4.82650	.63590	6435.50000
.251	11.042	1.00000	5.07540	284.06000	.02750	-.00010	-.02380	5.02570	.63880	6436.20001
.250	13.227	1.00000	5.06120	282.61000	.02930	-.00010	-.04140	4.84710	.63890	6439.09998
.250	16.418	1.00000	5.04680	281.17000	.03070	-.00010	-.06750	4.31090	.64300	6442.70001
.249	18.662	1.00000	5.03930	280.45000	.03300	-.00020	-.08530	3.84120	.64650	6445.59998
	GRADIENT	.00000	-.00015	-.01115	-.00012	-.00000	.00005	.73444	-.01155	.14333

ARC 218-1-12 OA101 (OV102) (B20057) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 256/ 0 RN/L = 7.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-8.100	1.00000	7.81960	436.05000	.02940	-.00010	-.00610	-4.99180	.67250	9954.69995
.252	-5.522	1.00000	7.87080	432.56000	.02920	.00000	.00840	-4.27140	.67710	9756.59998
.252	-.130	1.00000	7.87410	434.05000	.02830	-.00020	.02170	-.81520	.80360	9767.09998
.251	2.684	1.00000	7.84180	431.18000	.02920	.00000	.01790	1.57600	.57870	9779.19995
.251	5.655	1.00000	7.83250	431.97000	.02900	-.00030	.00860	3.61230	.62670	9802.50000
.251	7.231	1.00000	7.83240	432.72000	.02860	.00010	-.00070	4.48350	.63380	9808.80005
.251	8.971	1.00000	7.83430	433.47000	.02880	-.00010	-.01130	4.91550	.63880	9816.50000
.251	11.214	1.00000	7.82320	432.76000	.02960	-.00030	-.02720	5.03270	.64080	9824.30005
.251	13.416	1.00000	7.83630	434.96000	.02890	-.00030	-.04240	4.81500	.64100	9829.80005
.250	16.709	1.00000	7.78650	429.90000	.03210	-.00010	-.06970	4.20380	.64470	9842.09998
.250	18.989	1.00000	7.78740	430.65000	.03320	.00010	-.08570	3.72430	.64790	9849.09998
	GRADIENT	.00000	-.01148	-1.02016	.00032	.00007	-.00135	.84996	-.07994	4.30101

ARC 218-1-12 OA101 (OV102) (B20058) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 259/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.188	1.00000	7.73350	439.65000	.02900	.00000	.00370	-4.57760	.66720	9944.59998
.251	-4.182	1.00000	7.72000	438.21000	.02900	-.00010	.00610	-4.39680	.67150	9948.19995
.251	-2.088	1.00000	7.71150	437.49000	.02920	-.00010	.00790	-4.26970	.67480	9949.59998
.251	.045	1.00000	7.71150	437.49000	.02970	-.00020	.00830	-4.22050	.67600	9951.09998
.251	2.034	1.00000	7.72230	438.94000	.02980	-.00030	.00700	-4.28820	.67490	9948.19995
.251	4.145	1.00000	7.72180	438.94000	.03010	-.00010	.00430	-4.42980	.67160	9948.19995
.251	6.131	1.00000	7.72060	438.94000	.03140	-.00020	.00130	-4.51770	.66670	9948.19995
.251	7.437	1.00000	7.71870	438.94000	.03070	.00000	.00040	-4.58230	.66350	9948.19995
	GRADIENT	.00000	.00068	.13855	.00013	-.00001	-.00021	-.00393	.00002	-.06376

ARC 218-1-12 OA101 (OV102) (B2Q059) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 260/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.348	1.00000	7.69220	436.75000	.03110	-.00010	.01470	-.49230	.76140	9944.80005
.251	-4.263	1.00000	7.69760	437.47000	.02930	-.00030	.01940	-.63130	.78490	9943.30005
.251	-3.175	1.00000	7.71440	439.64000	.02790	.00000	.02080	-.67180	.79860	9940.30005
.251	-2.101	1.00000	7.70610	438.91000	.02780	-.00010	.02190	-.68130	.80610	9939.00000
.251	-1.080	1.00000	7.69230	437.46000	.02880	-.00020	.02140	-.68820	.81020	9939.09998
.250	-.002	1.00000	7.67340	435.28000	.02920	-.00010	.02150	-.79490	.79220	9941.30005
.251	.535	1.00000	7.69570	438.19000	.02810	-.00010	.02220	-.75950	.80140	9939.69995
.251	1.067	1.00000	7.68250	436.74000	.02880	-.00020	.02160	-.67810	.81390	9941.19995
.251	2.121	1.00000	7.68840	437.46000	.02890	-.00030	.02070	-.60760	.82470	9941.19995
.251	3.153	1.00000	7.68970	437.46000	.02960	-.00030	.01920	-.61510	.81150	9941.19995
.251	4.197	1.00000	7.68150	436.74000	.03060	-.00020	.01730	-.57140	.80430	9941.90002
.251	6.239	1.00000	7.68750	437.47000	.03110	-.00020	.01410	-.44820	.77310	9941.90002
.251	8.210	1.00000	7.69370	438.19000	.03220	-.00020	.00990	-.34410	.69360	9942.59998
.250	10.273	1.00000	7.66830	435.30000	.03390	-.00020	.00550	-.16970	.53320	9946.30005
	GRADIENT	.00000	-.00285	-.19971	.00019	-.00001	-.00023	.00813	.00245	.04605

ARC 218-1-12 OA101 (OV102) (B2Q060) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 257/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.215	1.00000	7.80730	435.83000	.03090	-.00010	.00360	3.86400	.63990	9880.59998
.252	-4.235	1.00000	7.83430	439.48000	.02990	-.00020	.00680	3.68000	.63360	9886.00000
.252	-2.124	1.00000	7.82350	438.77000	.02850	-.00010	.00950	3.54910	.62770	9891.00000
.251	-1.084	1.00000	7.81470	438.06000	.02760	-.00010	.01110	3.52260	.62720	9898.09998
.252	-.211	1.00000	7.81830	438.80000	.02890	-.00010	.01020	3.48060	.62610	9900.90002
.252	.624	1.00000	7.83250	441.00000	.02820	-.00020	.00980	3.56460	.62450	9906.40002
.252	1.104	1.00000	7.81660	439.55000	.02830	-.00010	.00960	3.58880	.62530	9910.69995
.251	2.149	1.00000	7.79560	437.39000	.03010	-.00030	.00750	3.63400	.62760	9915.80005
.251	3.197	1.00000	7.79310	437.40000	.03060	-.00020	.00610	3.69940	.62880	9920.00000
.252	4.222	1.00000	7.80930	439.58000	.02980	-.00020	.00620	3.74520	.63190	9919.90002
.252	6.274	1.00000	7.80850	439.59000	.03110	-.00020	.00210	4.01870	.63960	9924.09998
.251	8.311	1.00000	7.80030	438.88000	.03230	-.00020	-.00200	4.30710	.64820	9927.69995
.251	10.317	1.00000	7.79220	438.16000	.03240	-.00010	-.00450	4.59300	.65260	9932.00000
	GRADIENT	.00000	-.00397	-.07724	.00014	-.00001	-.00028	.01455	-.00016	4.57364

ARC 218-1-12 OA101 (OV102) (B2Q061) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 261/ 0 RN/L = 7.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.136	1.00000	7.67850	436.75000	.03060	-.00010	-.02950	5.15070	.64730	9946.19995
.250	-4.157	1.00000	7.67070	436.02000	.02860	-.00010	-.02760	5.08450	.64430	9946.19995
.250	-2.053	1.00000	7.66640	436.02000	.02870	.00000	-.02650	5.00560	.64250	9944.09998
.250	-1.130	1.00000	7.65530	435.29000	.02890	.00000	-.02640	5.01570	.64200	9942.00000
.251	.008	1.00000	7.66700	436.73000	.02750	.00000	-.02360	5.06390	.64170	9939.80005
.251	.505	1.00000	7.66610	436.73000	.02800	-.00020	-.02370	5.05100	.64170	9940.50000
.250	1.001	1.00000	7.65950	436.01000	.02890	.00000	-.02410	5.05720	.64200	9942.00000
.250	2.159	1.00000	7.65830	436.01000	.03020	-.00030	-.02840	5.06440	.64240	9942.00000
.250	3.146	1.00000	7.65260	435.29000	.03020	-.00030	-.02930	5.11630	.64320	9944.09998
.250	4.222	1.00000	7.63820	433.85000	.03150	-.00020	-.03150	5.16770	.64410	9947.09998
.251	6.199	1.00000	7.68670	439.65000	.03220	-.00040	-.03380	5.27050	.64730	9943.90002
.251	8.292	1.00000	7.69320	440.38000	.03310	-.00030	-.03770	5.48790	.65150	9943.80005
.251	10.266	1.00000	7.68530	439.66000	.03290	.00000	-.03880	5.51070	.65260	9946.69995
	GRADIENT	.00000	-.00303	-.17094	.00033	-.00003	-.00045	.01200	.00001	.02847

ARC 218-1-12 OA101 (OV102) (B2Q062) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 262/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-5.776	1.00000	7.65250	436.77000	.03260	.00000	-.07560	4.25990	.64870	9953.90002
.251	-3.911	1.00000	7.65320	437.49000	.03190	.00000	-.07190	4.22860	.64640	9949.59998
.250	-2.069	1.00000	7.64580	436.76000	.03220	.00000	-.07160	4.20890	.64570	9950.40002
.251	-.012	1.00000	7.65630	438.21000	.03160	.00000	-.07080	4.20970	.64550	9948.19995
.251	2.083	1.00000	7.65880	438.91000	.03240	-.00020	-.07180	4.23730	.64620	9939.69995
.251	4.088	1.00000	7.65740	438.90000	.03260	-.00030	-.07390	4.28030	.64720	9936.19995
.251	6.130	1.00000	7.64970	438.18000	.03230	-.00020	-.07620	4.34320	.64990	9936.19995
.251	7.071	1.00000	7.64790	438.18000	.03300	-.00040	-.07740	4.37620	.65170	9936.19995
	GRADIENT	.00000	.00108	.24922	.00008	-.00004	-.00021	.00664	.00011	-1.87566

ARC 218-1-12 OA101 (OV102) (B20063) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 269/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-22.815	1.00000	7.60600	439.63000	.03310	-.00010	.02020	-3.44320	.69100	9934.69995
.251	-18.032	1.00000	7.60400	439.63000	.03170	-.00010	.01690	-3.64900	.68510	9935.40002
.251	-15.053	1.00000	7.59130	438.18000	.03110	-.00020	.01400	-3.81650	.68150	9937.59998
.251	-10.042	1.00000	7.59780	438.90000	.02880	-.00010	.01180	-4.05310	.67720	9936.19995
.251	-4.939	1.00000	7.59130	438.18000	.02890	.00000	.00920	-4.21130	.67500	9937.59998
.251	-2.417	1.00000	7.59100	438.18000	.02930	.00000	.00850	-4.22360	.67380	9936.90002
.251	.019	1.00000	7.60370	439.63000	.02790	.00010	.00980	-4.22680	.67420	9936.09998
.251	2.518	1.00000	7.59780	438.90000	.02870	-.00020	.00930	-4.22990	.67440	9936.19995
.251	5.102	1.00000	7.59720	438.90000	.02980	-.00020	.00880	-4.18300	.67530	9936.19995
.251	10.050	1.00000	7.58980	438.18000	.03190	-.00030	.00950	-4.01590	.67730	9936.90002
	GRADIENT	.00000	.00129	.14477	-.00008	-.00002	.00006	-.00238	-.00006	-.20145

ARC 218-1-12 OA101 (OV102) (B20064) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 265/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-22.796	1.00000	7.60640	436.74000	.03390	-.00020	.03220	-.68100	.88740	9941.19995
.251	-18.075	1.00000	7.63080	439.64000	.03020	.00000	.03010	-.72820	.85180	9938.19995
.251	-14.955	1.00000	7.61770	438.19000	.03080	-.00020	.02690	-.70210	.84300	9939.69995
.251	-9.999	1.00000	7.62340	438.91000	.02940	-.00010	.02410	-.73330	.81190	9939.00000
.251	-4.960	1.00000	7.61690	438.18000	.02840	.00010	.02270	-.74700	.80350	9939.00000
.251	-2.497	1.00000	7.62810	439.63000	.02810	.00000	.02210	-.74130	.80130	9937.50000
.251	.085	1.00000	7.61100	437.46000	.02890	-.00010	.02140	-.75970	.79890	9939.09998
.251	2.594	1.00000	7.62220	438.91000	.02880	-.00030	.02220	-.74080	.80060	9937.59998
.251	5.111	1.00000	7.62250	438.90000	.02910	-.00010	.02220	-.75310	.79840	9936.90002
.251	10.305	1.00000	7.60920	437.45000	.03170	-.00030	.02250	-.73940	.81420	9937.69995
	GRADIENT	.00000	-.00006	-.00139	.00008	-.00005	-.00009	-.00001	-.00044	-.10113

ARC 218-1-12 OA101 (OV102) (B2Q065) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 255/ 0 RN/L = 7.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-22.825	1.00000	7.91120	437.50000	.03160	-.00020	.02360	2.42510	.58890	9954.59998
.251	-18.022	1.00000	7.91320	438.95000	.02930	.00000	.01970	2.70010	.60150	9952.40002
.251	-14.975	1.00000	7.90210	438.95000	.02910	-.00030	.01720	2.86270	.60780	9951.69995
.251	-9.968	1.00000	7.87990	437.49000	.02930	-.00010	.01320	3.10330	.61590	9950.40002
.251	-4.836	1.00000	7.88710	438.94000	.02780	-.00010	.01260	3.22430	.61910	9947.50000
.251	-2.367	1.00000	7.87640	438.21000	.02800	-.00010	.01180	3.25360	.61970	9946.80005
.250	.095	1.00000	7.86010	436.76000	.02920	-.00020	.01110	3.22540	.62040	9949.00000
.251	2.565	1.00000	7.87820	439.66000	.02840	-.00010	.01160	3.25090	.62030	9947.40002
.251	5.140	1.00000	7.86100	438.22000	.02940	-.00020	.01140	3.18850	.61910	9950.30005
.251	10.148	1.00000	7.84990	437.49000	.03130	-.00040	.01240	3.02380	.61610	9951.80005
	GRADIENT	.00000	-.00174	.02896	.00012	-.00000	-.00015	.00210	.00017	.07680

ARC 218-1-12 OA101 (OV102) (B2Q066) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 266/ 0 RN/L = 7.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-22.902	1.00000	7.61780	438.90000	.03000	.00000	-.01330	4.33800	.63120	9936.90002
.251	-17.957	1.00000	7.59970	436.73000	.02980	-.00010	-.01820	4.57240	.63520	9939.09998
.251	-14.883	1.00000	7.61720	438.90000	.02890	.00000	-.01980	4.69110	.63750	9936.90002
.251	-10.116	1.00000	7.61040	438.18000	.02860	.00010	-.02340	4.90000	.64020	9937.59998
.251	-4.888	1.00000	7.60900	438.18000	.02790	.00010	-.02460	5.00650	.64170	9936.90002
.251	-2.407	1.00000	7.61380	438.90000	.02850	-.00020	-.02560	5.02260	.64210	9935.50000
.251	.038	1.00000	7.62000	439.63000	.02840	-.00010	-.02570	5.03660	.64230	9934.69995
.251	2.565	1.00000	7.61320	438.90000	.02830	.00010	-.02590	5.05000	.64190	9935.50000
.251	5.130	1.00000	7.60670	438.17000	.03010	-.00020	-.02640	4.97890	.64190	9935.50000
.251	9.992	1.00000	7.61230	438.90000	.03050	-.00030	-.02470	4.86150	.64020	9934.69995
	GRADIENT	.00000	.00075	.11568	.00004	.00000	-.00016	.00582	.00003	-.20055

ARC 218-1-12 OA101 (OV102) (B2Q067) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 267/ 0 RN/L = 7.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-22.708	1.00000	7.57230	434.55000	.03470	-.00010	-.05940	3.89930	.63900	9939.90002
.250	-18.075	1.00000	7.57720	435.27000	.03360	.00000	-.06270	3.99810	.64170	9938.50000
.251	-15.053	1.00000	7.59530	437.45000	.03160	.00000	-.06360	4.06730	.64310	9936.30005
.250	-9.936	1.00000	7.58170	436.00000	.03120	.00010	-.06690	4.14700	.64500	9937.69995
.250	-4.764	1.00000	7.57600	435.27000	.03170	.00000	-.06910	4.18990	.64560	9938.50000
.250	-2.407	1.00000	7.57480	435.27000	.03170	.00000	-.06980	4.20310	.64590	9938.50000
.250	.057	1.00000	7.58110	436.00000	.03090	.00000	-.06920	4.20970	.64590	9937.69995
.250	2.575	1.00000	7.57310	435.27000	.03270	-.00020	-.07060	4.19670	.64560	9938.50000
.250	5.083	1.00000	7.57310	435.27000	.03180	-.00010	-.06900	4.18150	.64550	9938.50000
.250	9.943	1.00000	7.57190	435.27000	.03330	-.00010	-.06870	4.13690	.64490	9938.50000
	GRADIENT	.00000	-.00011	.02902	.00009	-.00002	-.00016	.00107	-.00000	-.03184

ARC 218-1-12 OA101 (OV102) (B2Q068) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 17.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = .000
RN/L = 8.000

RUN NO. 268/ 0 RN/L = 7.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.249	-22.863	1.00000	7.54640	432.38000	.03670	-.00010	-.07540	3.50690	.64360	9942.90002
.249	-18.032	1.00000	7.54590	432.37000	.03500	-.00010	-.07850	3.57180	.64560	9941.50000
.249	-15.043	1.00000	7.54470	432.37000	.03590	-.00010	-.08230	3.61550	.64690	9941.50000
.250	-9.957	1.00000	7.55060	433.10000	.03450	-.00010	-.08440	3.67490	.64800	9941.40002
.250	-4.909	1.00000	7.55180	433.10000	.03370	.00010	-.08580	3.70850	.64870	9941.40002
.249	-2.467	1.00000	7.54470	432.37000	.03360	.00010	-.08640	3.71960	.64890	9941.50000
.250	.028	1.00000	7.55720	433.82000	.03350	.00000	-.08600	3.71860	.64890	9940.00000
.249	2.603	1.00000	7.54500	432.38000	.03350	.00000	-.08610	3.71810	.64890	9942.19995
.249	5.102	1.00000	7.54520	432.38000	.03370	.00000	-.08560	3.70470	.64880	9942.90002
.250	10.001	1.00000	7.54890	433.10000	.03520	-.00010	-.08480	3.67010	.64800	9941.40002
	GRADIENT	.00000	-.00032	-.02932	-.00003	-.00002	-.00002	.00110	.00002	.03839

ARC 218-1-12 OA101 (OV102) (B20069) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	MRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 264/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-8.115	1.00000	7.62490	437.46000	.02980	-.00010	-.00520	-4.89990	.67040	9940.50000
.251	-5.615	1.00000	7.63020	438.19000	.02880	-.00010	.00940	-4.19270	.67560	9940.40002
.251	-.132	1.00000	7.63510	438.91000	.02850	-.00010	.02270	-.72760	.80500	9939.00000
.251	2.685	1.00000	7.62240	437.46000	.02860	-.00010	.01960	1.58340	.58950	9939.80005
.251	5.675	1.00000	7.63360	438.91000	.02760	.00000	.01030	3.62940	.62830	9938.30005
.251	7.245	1.00000	7.63990	439.63000	.02790	.00000	.00100	4.39270	.63500	9937.50000
.251	8.980	1.00000	7.63250	438.91000	.02770	-.00010	-.00940	4.86290	.63960	9938.30005
.251	11.221	1.00000	7.62060	437.46000	.02890	.00000	-.02640	5.02420	.64150	9939.80005
.251	13.427	1.00000	7.62530	438.19000	.02970	.00000	-.04260	4.78220	.64160	9939.69995
.250	16.676	1.00000	7.59980	435.29000	.03270	-.00020	-.06980	4.20020	.64530	9942.69995
.247	18.959	1.00000	7.51580	425.57000	.03770	.00010	-.09100	3.72930	.64860	9953.50000
	GRADIENT	.00000	-.00451	-.51486	.00004	.00000	-.00110	.82058	-.07652	.28411

ARC 218-1-12 OA101 (OV102) (B20070) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 258/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.274	1.00000	7.77290	439.75000	.02950	.00000	.00510	3.81690	.63770	9976.30005
.251	-4.234	1.00000	7.75740	438.31000	.02870	-.00010	.00830	3.62400	.63240	9981.40002
.251	-2.113	1.00000	7.77450	440.49000	.02810	-.00020	.01010	3.52680	.62640	9980.50000
.251	-1.085	1.00000	7.76070	439.04000	.02780	-.00010	.01080	3.48070	.62520	9983.40002
.251	-.228	1.00000	7.75950	439.04000	.02890	.00000	.01050	3.41700	.62450	9984.80005
.251	.626	1.00000	7.75810	439.05000	.02930	-.00020	.00910	3.52590	.62360	9987.69995
.251	1.100	1.00000	7.78220	441.96000	.02850	-.00010	.00900	3.60080	.62430	9986.09998
.252	2.124	1.00000	7.77850	441.92000	.03010	-.00010	.00740	3.60390	.62630	9974.09998
.252	3.207	1.00000	7.77510	441.89000	.03020	-.00030	.00650	3.69100	.62990	9964.19995
.252	4.214	1.00000	7.77250	441.87000	.03050	-.00010	.00590	3.70240	.63220	9957.90002
.252	6.280	1.00000	7.76880	441.84000	.02980	-.00030	.00400	3.98170	.63970	9947.30005
.251	8.306	1.00000	7.74240	438.95000	.03250	-.00020	-.00190	4.27930	.64890	9953.09998
.251	10.286	1.00000	7.73480	438.24000	.03220	-.00010	-.00390	4.53980	.65220	9956.69995
	GRADIENT	.00000	.00199	.45326	.00029	-.00001	-.00044	.01778	.00009	-2.63806

ARC 218-1-12 OA101 (OV102) (B20071) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = .000
RN/L = 8.000

RUN NO. 270/ 0 RN/L = 7.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-22.787	1.00000	7.59720	438.90000	.03140	-.00010	.01990	2.92130	.60830	9934.69995
.251	-17.946	1.00000	7.60220	439.62000	.03010	-.00020	.01620	3.14840	.61660	9934.00000
.251	-14.995	1.00000	7.59010	438.18000	.03050	-.00010	.01310	3.31250	.62150	9936.19995
.251	-9.936	1.00000	7.59050	438.17000	.02920	-.00020	.01040	3.57720	.62880	9935.50000
.251	-4.898	1.00000	7.59550	438.90000	.02840	.00010	.00870	3.74060	.63090	9934.69995
.251	-2.407	1.00000	7.57720	436.72000	.02990	-.00010	.00700	3.73380	.63030	9936.30005
.251	-.039	1.00000	7.58990	438.17000	.02920	-.00020	.00710	3.76720	.63030	9935.50000
.251	2.613	1.00000	7.58810	438.17000	.02940	-.00020	.00710	3.76060	.62990	9935.50000
.251	5.045	1.00000	7.58340	437.45000	.03010	-.00030	.00710	3.70310	.62850	9935.50000
.251	10.080	1.00000	7.58870	438.17000	.03170	-.00050	.00790	3.51490	.62450	9934.09998
	GRADIENT	.00000	-.00039	-.03023	.00009	-.00004	-.00019	.00370	-.00012	.06425

ARC 218-1-12 OA101 (OV102) (B2Q072) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 8.000

RUN NO. 263/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-7.952	1.00000	7.65500	439.64000	.02960	-.00010	-.00590	-5.00240	.66980	9938.90002
.252	-5.661	1.00000	7.65870	440.36000	.03000	-.00030	.00620	-4.33320	.67410	9937.50000
.252	-.114	1.00000	7.65930	440.36000	.02930	-.00030	.02000	-.71670	.79770	9937.50000
.251	2.144	1.00000	7.65130	439.64000	.02910	-.00020	.01850	1.26420	.57640	9938.19995
.251	2.687	1.00000	7.64950	439.64000	.02950	-.00020	.01690	1.72060	.59740	9938.19995
.252	5.558	1.00000	7.65570	440.36000	.02940	-.00040	.00680	3.77800	.62940	9937.50000
.252	7.247	1.00000	7.66160	441.09000	.02900	-.00020	-.00190	4.58380	.63690	9937.50000
.252	8.981	1.00000	7.66040	441.09000	.02990	-.00030	-.01300	4.97520	.64070	9937.50000
.252	11.207	1.00000	7.65990	441.09000	.02950	-.00030	-.02800	5.08570	.64260	9937.50000
.252	13.473	1.00000	7.65250	440.36000	.03060	-.00010	-.04540	4.83960	.64290	9938.19995
.250	16.716	1.00000	7.61590	436.01000	.03230	-.00010	-.07180	4.24090	.64610	9943.40002
.250	18.770	1.00000	7.60220	434.57000	.03450	-.00020	-.08760	3.79940	.64900	9944.90002
	GRADIENT	.00000	-.00351	-.27516	.00002	.00004	-.00098	.87227	-.07927	.26734

ARC 218-1-12 OA101 (OV102) (B2Q073) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 254/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-11.704	1.00000	8.12680	445.35000	.03110	-.00030	.01410	2.62120	.57300	9903.30005
.251	-9.175	1.00000	8.02530	436.75000	.03220	-.00020	.01150	2.76830	.58420	9945.50000
.252	-6.035	1.00000	8.06460	441.85000	.02990	-.00010	.01170	2.96170	.59640	9949.40002
.253	-3.019	1.00000	8.06130	444.02000	.02980	-.00030	.01080	3.08760	.60840	9945.69995
.253	.030	1.00000	8.05140	444.02000	.02860	-.00030	.01120	3.24190	.61910	9947.09998
.252	3.064	1.00000	8.03420	443.30000	.02830	-.00020	.01100	3.33930	.63020	9948.59998
.252	6.010	1.00000	8.02430	443.29000	.02800	.00000	.01160	3.44050	.64220	9946.50000
.251	8.051	1.00000	7.98660	440.40000	.02990	-.00040	.00990	3.49340	.64890	9949.50000
.251	12.068	1.00000	7.97610	440.39000	.03060	-.00040	.01140	3.50810	.66330	9947.40002
.252	16.541	1.00000	7.97320	441.12000	.03210	-.00020	.01250	3.52140	.67600	9950.19995
.252	22.500	1.00000	7.96680	441.13000	.03630	-.00030	.01520	3.37060	.69310	9951.50000
	GRADIENT	.00000	-.00445	-.11827	-.00025	.00002	.00003	.04139	.00358	.47676

ARC 218-1-12 OA101 (OV102) (B2Q074) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 286/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.248	-7.934	1.00000	4.96810	270.58000	.02950	-.00020	-.00310	-4.85480	.67540	6301.40002
.249	-5.501	1.00000	4.98570	272.76000	.02870	-.00020	.01030	-4.18120	.68200	6302.70001
.248	-.125	1.00000	4.97680	272.05000	.02930	-.00030	.02250	-.84460	.82220	6305.59998
.248	2.681	1.00000	4.97540	272.05000	.02790	-.00010	.02050	1.50170	.56520	6307.00000
.248	5.612	1.00000	4.96680	271.33000	.02860	-.00030	.01000	3.49820	.61840	6310.59998
.248	7.124	1.00000	4.97270	272.06000	.02780	-.00020	.00210	4.30720	.62790	6311.29999
.248	8.814	1.00000	4.97130	272.07000	.02760	-.00030	-.00760	4.77150	.63370	6312.59998
.248	10.995	1.00000	4.97030	272.07000	.02860	-.00020	-.02410	5.00330	.63730	6314.09998
.247	13.188	1.00000	4.95660	270.62000	.02950	-.00020	-.04070	4.82370	.63840	6317.00000
.247	16.392	1.00000	4.94820	269.90000	.03070	.00000	-.06650	4.29090	.64220	6319.09998
.246	18.591	1.00000	4.93430	268.46000	.03310	-.00020	-.08470	3.84170	.64590	6322.70001
	GRADIENT	.00000	-.00050	.00000	-.00050	.00007	-.00071	.83626	-.09160	.49902

ARC 218-1-12 OA101 (OV102) (B2Q075) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 287/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.248	-7.739	1.00000	4.95630	271.37000	.03030	-.00020	-.00420	-4.90430	.67470	6324.70001
.248	-5.536	1.00000	4.96170	272.10000	.02930	-.00020	.00920	-4.19670	.68030	6326.09998
.248	-.090	1.00000	4.96000	272.11000	.02980	-.00040	.02090	-.78120	.82840	6326.79999
.248	2.691	1.00000	4.95980	272.11000	.02890	-.00030	.01910	1.58950	.57610	6328.20001
.248	5.489	1.00000	4.96540	272.84000	.02890	-.00030	.00930	3.54450	.61980	6328.09998
.248	7.131	1.00000	4.96450	272.84000	.02930	-.00030	.00050	4.33950	.62950	6328.79999
.248	8.815	1.00000	4.96350	272.84000	.02890	-.00040	-.00920	4.80290	.63560	6330.29999
.248	11.030	1.00000	4.95680	272.12000	.03050	-.00040	-.02570	4.97390	.63870	6332.40002
.248	13.216	1.00000	4.95630	272.12000	.03090	-.00030	-.04230	4.81960	.63960	6333.09998
.247	16.399	1.00000	4.94180	270.68000	.03140	-.00010	-.06740	4.29200	.64310	6336.00000
.248	18.434	1.00000	4.95470	272.13000	.03370	-.00010	-.08490	3.88650	.64600	6335.90002
	GRADIENT	.00000	-.00007	.00000	-.00032	.00004	-.00065	.85249	-.09073	.50347

ARC 218-1-12 OA101 (OV102) (B20076) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 289/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.254	-6.172	1.00000	5.07010	287.43000	.03150	.00000	.00650	3.52020	.63040	6347.00000
.255	-4.161	1.00000	5.07590	288.16000	.02970	.00000	.00990	3.37940	.62460	6347.00000
.254	-2.107	1.00000	5.06860	287.43000	.02940	-.00010	.01080	3.31000	.62020	6348.40002
.255	-1.044	1.00000	5.07520	288.16000	.02820	-.00010	.01220	3.31880	.61930	6348.40002
.255	-.235	1.00000	5.07490	288.16000	.02810	-.00010	.01300	3.24100	.61730	6348.40002
.255	.638	1.00000	5.07310	288.16000	.02870	-.00010	.01080	3.34960	.61550	6349.09998
.255	1.073	1.00000	5.07260	288.16000	.03000	-.00030	.00930	3.37600	.61620	6349.79999
.254	2.099	1.00000	5.06620	287.44000	.03010	-.00040	.00920	3.41990	.61830	6351.29999
.254	3.159	1.00000	5.06570	287.44000	.02950	-.00010	.00870	3.46740	.62050	6352.00000
.254	4.151	1.00000	5.06610	287.44000	.03080	-.00020	.00690	3.56540	.62390	6352.00000
.254	6.208	1.00000	5.06600	287.45000	.03210	-.00050	.00370	3.71350	.63010	6352.70001
.255	8.217	1.00000	5.07180	288.17000	.03220	-.00040	.00140	3.92790	.63700	6352.59998
.254	10.221	1.00000	5.06490	287.45000	.03240	-.00020	-.00080	4.13770	.64200	6354.09998
	GRADIENT	.00000	-.00118	-.07501	.00015	-.00003	-.00043	.02471	-.00017	.65709

ARC 218-1-12 OA101 (OV102) (820077) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = -5.000
RN/L = 5.000

RUN NO. 290/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.254	-6.214	1.00000	5.05510	286.74000	.03050	.00000	.00700	3.55060	.62860	6357.70001
.254	-4.164	1.00000	5.06160	287.46000	.02920	-.00010	.01010	3.40960	.62220	6357.59998
.254	-2.069	1.00000	5.05500	286.74000	.02840	.00000	.01190	3.33760	.61850	6358.40002
.254	-1.046	1.00000	5.05480	286.74000	.02820	-.00020	.01230	3.29210	.61660	6359.09998
.254	-.216	1.00000	5.06100	287.47000	.02800	-.00020	.01360	3.19100	.61650	6359.00000
.253	.608	1.00000	5.04750	286.02000	.02940	-.00020	.01110	3.27640	.61370	6361.20001
.254	1.075	1.00000	5.05330	286.75000	.02920	-.00020	.01050	3.37610	.61510	6361.20001
.254	2.100	1.00000	5.05250	286.75000	.03050	-.00020	.00890	3.40510	.61760	6361.20001
.254	3.157	1.00000	5.05870	287.47000	.03030	-.00020	.00900	3.40570	.61980	6361.09998
.254	4.131	1.00000	5.05900	287.47000	.03000	-.00020	.00880	3.45420	.62260	6361.90002
.254	6.200	1.00000	5.05180	286.75000	.03160	-.00030	.00510	3.64650	.62880	6363.29999
.254	8.231	1.00000	5.06360	288.20000	.03140	-.00020	.00290	3.87710	.63620	6361.79999
.254	10.212	1.00000	5.05130	286.75000	.03310	-.00020	-.00010	4.05430	.64050	6364.00000
	GRADIENT	.00000	-.00028	.01622	.00023	-.00002	-.00035	.01066	.00002	.55325

ARC 218-1-12 OA101 (OV102) (820078) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = -5.000
RN/L = 5.000

RUN NO. 288/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.249	-7.919	1.00000	4.97680	275.05000	.02920	-.00020	-.00190	-4.78240	.67510	6337.20001
.249	-5.500	1.00000	4.97530	275.05000	.02940	-.00030	.01170	-4.04330	.68160	6339.29999
.249	-.123	1.00000	4.97450	275.05000	.02910	-.00020	.02410	-.76630	.83350	6340.00000
.249	2.691	1.00000	4.96740	274.33000	.02950	-.00020	.02040	1.49760	.56880	6341.50000
.249	5.615	1.00000	4.97930	275.79000	.02800	-.00020	.01200	3.43420	.61940	6342.09998
.253	7.109	1.00000	5.05470	284.49000	.02930	-.00020	.00250	4.19600	.62810	6334.50000
.254	8.796	1.00000	5.06120	285.22000	.02810	-.00010	-.00650	4.66810	.63390	6335.90002
.253	13.213	1.00000	5.04580	283.78000	.02940	-.00020	-.03970	4.77320	.63830	6339.50000
.252	16.402	1.00000	5.02630	281.61000	.03140	.00010	-.06570	4.24640	.64210	6343.79999
.253	18.656	1.00000	5.04250	283.79000	.03430	.00010	-.08490	3.80180	.64590	6345.09998
	GRADIENT	.00000	-.00252	-.25583	.00014	.00000	-.00131	.80440	-.09405	.53298

ARC 218-1-12 OA101 (OV102) (B20079) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	7.500
RN/L =	5.000		

RUN NO. 291/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-22.949	1.00000	5.03700	285.31000	.03170	-.00030	.02510	2.40250	.53790	6366.20001
.254	-18.000	1.00000	5.04990	286.76000	.02920	-.00010	.02140	2.62710	.59830	6365.40002
.253	-15.130	1.00000	5.04200	286.03000	.02840	-.00010	.01950	2.77290	.60360	6366.20001
.253	-9.968	1.00000	5.04170	286.03000	.02860	-.00020	.01610	2.95340	.61030	6365.50000
.254	-5.010	1.00000	5.04730	286.76000	.02840	-.00020	.01340	3.11970	.61450	6366.79999
.253	-2.497	1.00000	5.04090	286.04000	.02870	-.00020	.01270	3.13880	.61540	6368.29999
.254	.019	1.00000	5.04720	286.76000	.02830	-.00010	.01280	3.16230	.61610	6367.50000
.253	2.565	1.00000	5.03410	285.32000	.02950	-.00020	.01210	3.15580	.61570	6369.79999
.254	5.102	1.00000	5.04670	286.77000	.02860	-.00020	.01360	3.10370	.61480	6368.29999
.254	10.089	1.00000	5.04650	286.77000	.03110	-.00040	.01410	2.92920	.61030	6369.00000
	GRADIENT	.00000	-.00135	-.14309	.00016	-.00000	-.00012	.00335	.00006	.29755

ARC 218-1-12 OA101 (OV102) (B20080) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	15.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 317/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-7.959	1.00000	5.06770	279.17000	.02980	-.00010	-.00120	-4.73680	.67710	6255.79999
.253	-5.468	1.00000	5.07400	280.64000	.03010	-.00010	.01200	-4.05320	.68430	6262.70001
.252	-.080	1.00000	5.05820	279.20000	.03040	.00000	.02410	-.90630	.82440	6267.09998
.253	2.682	1.00000	5.07610	281.38000	.02950	-.00010	.02100	1.25870	.53370	6266.20001
.253	4.994	1.00000	5.06740	280.67000	.02920	-.00010	.01480	2.90660	.60790	6270.50000
.254	7.064	1.00000	5.08230	282.85000	.02900	-.00020	.00390	4.04390	.62380	6273.20001
.254	8.779	1.00000	5.08800	283.58000	.02860	-.00010	-.00600	4.56750	.63130	6274.59998
.254	10.965	1.00000	5.08000	282.87000	.02920	-.00020	-.02160	4.83450	.63500	6277.40002
.254	13.167	1.00000	5.07850	282.87000	.03000	-.00020	-.03870	4.73120	.63630	6279.59998
.253	16.363	1.00000	5.06400	281.43000	.03260	-.00030	-.06530	4.22850	.64060	6283.20001
.252	18.591	1.00000	5.04270	279.26000	.03440	-.00010	-.08320	3.79360	.64480	6287.50000
	GRADIENT	.00000	.00196	.30571	-.00024	-.00002	-.00181	.75244	-.04467	.63811

ARC 218-1-12 OA101 (OV102) (B2Q081) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 15.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 321/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.254	-7.908	1.00000	5.05710	285.20000	.02970	-.00020	-.00020	-4.68120	.67740	6330.90002
.253	-5.491	1.00000	5.04320	283.76000	.03040	-.00020	.01240	-4.00300	.68460	6333.09998
.254	-.089	1.00000	5.05540	285.21000	.02890	-.00020	.02600	-.83170	.83530	6331.59998
.253	2.641	1.00000	5.04320	283.76000	.03000	-.00020	.02200	1.21560	.53350	6333.09998
.253	5.569	1.00000	5.04850	284.48000	.02950	-.00040	.01330	3.16820	.61360	6333.09998
.253	7.072	1.00000	5.04850	284.48000	.02880	-.00030	.00540	3.98020	.62460	6333.09998
.254	8.813	1.00000	5.05440	285.21000	.02850	-.00010	-.00470	4.50340	.63190	6333.09998
.253	10.995	1.00000	5.04170	283.76000	.02960	.00000	-.02110	4.77430	.63570	6335.29999
.253	13.198	1.00000	5.04150	283.77000	.03020	-.00010	-.03730	4.64800	.63690	6336.00000
.253	16.387	1.00000	5.03420	283.04000	.03200	-.00010	-.06380	4.19180	.64120	6337.40002
	GRADIENT	.00000	-.00447	-.53117	.00040	-.00000	-.00147	.74998	-.11056	.54949

ARC 218-1-12 OA101 (OV102) (B2Q082) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 319/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.254	-6.110	1.00000	5.07000	284.41000	.03210	-.00020	.00750	3.30120	.62360	6307.00000
.254	-4.155	1.00000	5.06820	284.41000	.03020	-.00020	.01100	3.19760	.61850	6307.70001
.254	-2.093	1.00000	5.06770	284.41000	.02960	-.00010	.01230	3.14770	.61360	6308.40002
.254	-1.037	1.00000	5.06760	284.41000	.02840	-.00010	.01390	3.08490	.61120	6309.09998
.254	-.202	1.00000	5.06670	284.42000	.02860	-.00010	.01400	3.07460	.61040	6309.79999
.254	.647	1.00000	5.06340	284.43000	.02890	-.00010	.01300	3.12310	.60810	6315.50000
.254	1.052	1.00000	5.06220	284.43000	.02920	-.00030	.01190	3.20810	.60970	6315.50000
.253	2.090	1.00000	5.05530	283.71000	.03070	-.00040	.01070	3.18240	.61160	6316.90002
.254	3.136	1.00000	5.06110	284.44000	.03090	-.00060	.00970	3.26830	.61480	6316.90002
.254	4.137	1.00000	5.06020	284.44000	.03140	-.00030	.00840	3.36220	.61810	6317.59998
.254	6.192	1.00000	5.06650	285.16000	.03120	-.00040	.00650	3.51610	.62380	6317.50000
.254	8.207	1.00000	5.06560	285.17000	.03240	-.00040	.00330	3.70750	.63240	6318.20001
.253	10.211	1.00000	5.05220	283.72000	.03340	-.00040	.00060	3.90000	.63870	6321.09998
	GRADIENT	.00000	-.00135	-.01805	.00021	-.00004	-.00040	.02088	-.00008	1.47360

ARC 218-1-12 OA101 (OV102) (B2Q083) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	15.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 318/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-7.766	1.00000	5.05280	280.73000	.03070	-.00020	-.00140	-4.73650	.67730	6291.00000
.255	-5.525	1.00000	5.08930	285.08000	.03060	-.00030	.01020	-4.14940	.68400	6288.59998
.254	-.071	1.00000	5.07950	284.36000	.03000	-.00030	.02290	-.92620	.81910	6292.90002
.254	2.724	1.00000	5.07200	283.65000	.03000	-.00030	.01970	1.38160	.55160	6295.00000
.254	5.479	1.00000	5.07110	283.65000	.03070	-.00040	.00930	3.30590	.61250	6296.40002
.254	7.107	1.00000	5.07670	284.38000	.03000	-.00030	.00190	4.11240	.62410	6297.79999
.254	8.771	1.00000	5.08210	285.11000	.02990	-.00040	-.00800	4.63400	.63190	6297.79999
.254	11.003	1.00000	5.07390	284.39000	.03140	-.00030	-.02420	4.84600	.63590	6299.90002
.253	13.205	1.00000	5.06170	282.94000	.03140	-.00030	-.04080	4.73820	.63750	6302.79999
.253	16.396	1.00000	5.04790	281.50000	.03350	-.00030	-.06720	4.23500	.64140	6305.70001
.253	18.421	1.00000	5.04770	281.50000	.03340	-.00010	-.08230	3.85810	.64440	6307.20001
	GRADIENT	.00000	-.00268	-.25400	.00000	.00000	-.00114	.82560	-.09570	.75120

ARC 218-1-12 OA101 (OV102) (B2Q084) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	15.000
RN/L =	5.000		

RUN NO. 322/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-22.882	1.00000	5.02580	283.07000	.03380	-.00030	.03660	-.78530	.88970	6345.90002
.253	-18.011	1.00000	5.03830	284.52000	.03120	-.00040	.03310	-.81610	.86510	6345.79999
.253	-14.965	1.00000	5.03800	284.52000	.03100	-.00020	.03050	-.84180	.85360	6345.09998
.253	-9.978	1.00000	5.03100	283.80000	.03070	-.00030	.02700	-.90600	.82730	6347.29999
.253	-4.950	1.00000	5.04330	285.25000	.02940	-.00020	.02530	-.92120	.82220	6345.79999
.253	-2.477	1.00000	5.04320	285.25000	.02910	-.00020	.02520	-.90540	.82130	6346.50000
.253	-.020	1.00000	5.04280	285.25000	.02900	-.00020	.02450	-.94580	.81600	6346.50000
.253	2.546	1.00000	5.04240	285.25000	.02850	-.00030	.02540	-.93810	.81390	6346.50000
.253	5.064	1.00000	5.02930	283.80000	.03090	-.00030	.02420	-.89780	.82320	6347.90002
.253	10.129	1.00000	5.04190	285.25000	.03120	-.00040	.02620	-.88240	.83040	6347.20001
	GRADIENT	.00000	-.00012	.00000	-.00011	-.00001	-.00001	-.00364	-.00121	.08379

ARC 218-1-12 OA101 (OV102) (B20085) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 323/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-22.863	1.00000	5.02820	283.81000	.03230	-.00030	.02630	2.20830	.57720	6350.09998
.253	-18.108	1.00000	5.02780	283.81000	.03110	-.00020	.02200	2.46650	.59240	6350.09998
.253	-15.053	1.00000	5.03320	284.54000	.03030	.00000	.01980	2.59550	.59630	6350.70001
.253	-9.957	1.00000	5.03270	284.54000	.03030	-.00010	.01630	2.75710	.60290	6350.70001
.253	-4.980	1.00000	5.03260	284.54000	.02950	-.00020	.01470	2.89950	.60890	6351.40002
.253	-2.437	1.00000	5.03870	285.26000	.02930	-.00040	.01420	2.93900	.60970	6350.00000
.253	.076	1.00000	5.03810	285.26000	.02860	-.00010	.01470	2.93670	.60950	6350.70001
.253	2.575	1.00000	5.03220	284.54000	.02940	-.00030	.01430	2.92610	.61030	6351.40002
.253	5.064	1.00000	5.03770	285.26000	.02980	-.00040	.01500	2.86690	.60900	6350.70001
.253	10.129	1.00000	5.03170	284.54000	.03140	-.00030	.01590	2.75180	.60540	6352.09998
	GRADIENT	.00000	-.00007	.00050	-.00004	-.00000	-.00003	-.00310	.00016	.02700

ARC 218-1-12 OA101 (OV102) (B20086) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 324/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-22.940	1.00000	5.03030	284.54000	.03030	-.00020	-.00900	4.17720	.62590	6353.59998
.254	-18.097	1.00000	5.04160	286.00000	.02900	-.00010	-.01240	4.37750	.62930	6353.50000
.253	-15.082	1.00000	5.03480	285.27000	.03010	-.00010	-.01600	4.49980	.63140	6354.20001
.253	-9.957	1.00000	5.02850	284.55000	.02970	-.00020	-.01900	4.66590	.63400	6355.00000
.254	-4.950	1.00000	5.04700	286.72000	.02840	-.00020	-.01970	4.77320	.63540	6353.40002
.254	-2.437	1.00000	5.04070	286.00000	.02900	-.00010	-.02140	4.83310	.63620	6354.20001
.253	.028	1.00000	5.03340	285.28000	.02900	-.00020	-.02140	4.83550	.63640	6355.59998
.253	2.594	1.00000	5.03380	285.28000	.03000	-.00020	-.02200	4.80630	.63640	6355.59998
.253	5.045	1.00000	5.03340	285.28000	.02990	-.00040	-.02110	4.76140	.63570	6356.29999
.253	10.129	1.00000	5.03970	286.00000	.03120	-.00040	-.01960	4.61610	.63430	6355.59998
	GRADIENT	.00000	-.00186	-.20035	.00019	-.00000	-.00028	.00402	.00013	.31796

ARC 218-1-12 OA101 (OV102) (B2Q087) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 325/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-22.863	1.00000	5.02520	284.56000	.03370	-.00010	-.05300	3.88980	.63550	6358.50000
.253	-18.097	1.00000	5.01920	283.84000	.03340	-.00010	-.05730	3.99530	.63790	6360.00000
.252	-14.995	1.00000	5.01190	283.11000	.03320	.00000	-.06010	4.06260	.63910	6361.40002
.252	-9.957	1.00000	5.01190	283.11000	.03320	-.00040	-.06270	4.12530	.64040	6361.40002
.253	-4.980	1.00000	5.02960	285.29000	.03050	-.00010	-.06220	4.18240	.64150	6359.90002
.252	-2.457	1.00000	5.01070	283.12000	.03220	-.00010	-.06490	4.20030	.64180	6362.09998
.253	.047	1.00000	5.01660	283.84000	.03140	-.00010	-.06430	4.21000	.64180	6361.40002
.253	2.622	1.00000	5.01730	283.84000	.03240	-.00020	-.06510	4.20590	.64170	6362.09998
.253	5.083	1.00000	5.01610	283.84000	.03240	-.00020	-.06400	4.17310	.64160	6362.09998
.252	10.080	1.00000	5.01020	283.12000	.03370	-.00010	-.06310	4.11080	.64060	6362.79999
	GRADIENT	.00000	-.00122	-.14305	.00019	-.00001	-.00032	.00316	.00002	.23308

ARC 218-1-12 OA101 (OV102) (B2Q088) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 320/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-6.206	1.00000	5.05100	283.73000	.03080	-.00020	.00900	3.34380	.62320	6323.29999
.253	-4.141	1.00000	5.05650	284.45000	.03000	-.00010	.01140	3.22120	.61770	6323.20001
.253	-2.084	1.00000	5.05610	284.45000	.02880	.00000	.01410	3.13100	.61410	6323.20001
.253	-1.039	1.00000	5.04970	283.73000	.02900	-.00010	.01410	3.07540	.61140	6324.70001
.253	-.183	1.00000	5.04850	283.73000	.02900	-.00020	.01520	3.01820	.60980	6324.70001
.253	.602	1.00000	5.04780	283.74000	.03000	-.00040	.01280	3.13620	.60960	6326.09998
.253	1.066	1.00000	5.05370	284.46000	.02870	-.00020	.01310	3.19110	.61030	6326.00000
.254	4.141	1.00000	5.05900	285.19000	.02950	-.00020	.01180	3.26660	.61870	6326.70001
.253	6.201	1.00000	5.05170	284.47000	.03160	-.00040	.00810	3.42370	.62430	6328.20001
.253	8.191	1.00000	5.05170	284.47000	.03240	-.00020	.00490	3.61570	.63200	6328.90002
.253	10.209	1.00000	5.05230	284.47000	.03270	-.00020	.00310	3.76720	.63830	6329.59998
	GRADIENT	.00000	.00014	.07831	-.00002	-.00002	-.00005	.00889	-.00002	.49541

ARC 218-1-12 OA101 (OV102) (82Q089) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 307/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-7.995	1.00000	5.12640	288.45000	.03410	-.00010	.00930	-4.04330	.69080	6447.90002
.253	-5.505	1.00000	5.13420	289.92000	.03400	-.00020	.02320	-3.41940	.70350	6451.29999
.254	-.117	1.00000	5.13930	290.65000	.03330	-.00030	.03770	-.85890	.89440	6453.40002
.254	2.665	1.00000	5.13800	290.65000	.03260	-.00030	.03500	.77010	.40120	6454.09998
.254	5.566	1.00000	5.13550	290.66000	.03290	-.00040	.02550	2.43630	.57900	6456.90002
.254	7.113	1.00000	5.13480	290.66000	.03230	-.00020	.01630	3.20510	.60130	6458.40002
.253	8.804	1.00000	5.12790	289.94000	.03280	.00000	.00550	3.71540	.61280	6460.50000
.253	10.991	1.00000	5.12680	289.95000	.03270	-.00020	-.00960	4.09020	.62150	6461.90002
.253	13.174	1.00000	5.13250	290.68000	.03330	-.00030	-.02640	4.13220	.62520	6462.59998
.253	16.383	1.00000	5.11280	288.51000	.03540	-.00040	-.05300	3.85310	.63230	6467.00000
.252	18.617	1.00000	5.09820	287.06000	.03710	-.00020	-.07070	3.52960	.63780	6469.90002
	GRADIENT	.00000	-.00047	.00000	-.00025	.00000	-.00097	.58553	-.17728	.25158

ARC 218-1-12 OA101 (OV102) (B2Q090) (0; FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 5.000

RUN NO. 315/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.202	1.00000	5.09800	279.39000	.03400	-.00010	.02170	2.38840	.58580	6332.00000
.251	-4.064	1.00000	5.09640	279.40000	.03320	-.00020	.02450	2.30410	.57730	6334.09998
.251	-2.040	1.00000	5.10040	280.13000	.03240	-.00030	.02640	2.23520	.57090	6336.20001
.251	-1.023	1.00000	5.09930	280.14000	.03170	-.00030	.02690	2.23150	.57000	6337.59998
.252	-.203	1.00000	5.10450	280.86000	.03190	-.00020	.02730	2.18040	.56790	6337.50000
.251	.598	1.00000	5.09640	280.15000	.03260	-.00040	.02580	2.25420	.56720	6342.50000
.251	1.051	1.00000	5.10180	280.88000	.03230	-.00030	.02450	2.34700	.56990	6343.90002
.251	2.055	1.00000	5.10020	280.89000	.03300	-.00030	.02360	2.33960	.57150	6346.00000
.251	3.133	1.00000	5.08570	279.44000	.03530	-.00060	.02120	2.36360	.57460	6348.90002
.251	4.210	1.00000	5.08200	279.46000	.03560	-.00040	.02010	2.43090	.57960	6354.59998
.251	6.163	1.00000	5.08030	279.47000	.03530	-.00050	.01760	2.57750	.58990	6356.70001
.251	8.203	1.00000	5.08610	280.20000	.03510	-.00020	.01510	2.73280	.59920	6358.09998
.250	10.213	1.00000	5.07180	279.51000	.03690	-.00050	.01150	2.89540	.60800	6371.50000
	GRADIENT	.00000	-.00174	.00214	.00035	-.00003	-.00069	.02000	.00032	2.49127

ARC 218-1-12 OA101 (OV102) (B2Q091) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 40.000
RN/L = 5.000

RUN NO. 316/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-22.911	1.00000	5.06220	280.30000	.03440	-.00030	.03180	1.93890	.55480	6392.59998
.251	-18.043	1.00000	5.06750	281.03000	.03370	-.00040	.02970	2.01330	.56120	6394.00000
.251	-15.024	1.00000	5.06610	281.03000	.03250	-.00020	.02910	2.06560	.56310	6394.70001
.251	-10.010	1.00000	5.06540	281.04000	.03360	-.00030	.02640	2.13240	.56740	6396.79999
.251	-4.929	1.00000	5.07080	281.76000	.03160	.00000	.02650	2.19600	.57080	6397.50000
.251	-2.437	1.00000	5.06940	281.77000	.03240	-.00010	.02680	2.16370	.56790	6398.90002
.251	.047	1.00000	5.06870	281.77000	.03230	-.00030	.02730	2.13950	.56530	6400.29999
.252	2.575	1.00000	5.08710	283.95000	.03230	-.00020	.02800	2.10220	.56450	6398.79999
.253	5.092	1.00000	5.11200	286.85000	.03300	-.00030	.02540	2.19150	.57100	6397.20001
.254	10.138	1.00000	5.12440	288.31000	.03330	-.00020	.02650	2.14560	.56910	6397.79999
	GRADIENT	.00000	.00194	.26363	.00008	-.00003	.00020	-.01223	-.00086	.21096

ARC 218-1-12 OA101 (OV102) (B2Q092) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 314/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-6.052	1.00000	5.14400	279.20000	.03560	-.00020	.02130	2.36690	.58690	6265.70001
.253	-4.141	1.00000	5.14850	279.93000	.03270	-.00020	.02520	2.33980	.58170	6267.00000
.253	-2.044	1.00000	5.15480	280.66000	.03230	-.00030	.02590	2.26740	.57480	6268.40002
.253	-1.002	1.00000	5.15940	281.39000	.03150	-.00030	.02600	2.28550	.57440	6269.09998
.253	-.184	1.00000	5.15170	280.67000	.03210	-.00030	.02620	2.26640	.57410	6271.20001
.252	.579	1.00000	5.14370	279.96000	.03250	-.00030	.02490	2.32130	.57250	6275.50000
.252	1.015	1.00000	5.14170	279.96000	.03230	-.00010	.02370	2.36830	.57410	6276.90002
.253	2.072	1.00000	5.14800	280.69000	.03350	-.00040	.02230	2.41670	.57820	6278.29999
.252	3.185	1.00000	5.11910	280.06000	.03460	-.00040	.02110	2.42410	.57980	6311.50000
.252	4.121	1.00000	5.11750	280.07000	.03400	-.00020	.02070	2.46740	.58180	6313.59998
.252	6.186	1.00000	5.11370	280.08000	.03460	-.00020	.01800	2.60390	.59190	6318.50000
.252	8.206	1.00000	5.12150	281.55000	.03470	-.00010	.01550	2.70030	.59780	6323.40002
.252	10.185	1.00000	5.11990	280.05000	.03550	-.00030	.01330	2.86070	.60720	6308.70001
	GRADIENT	.00000	-.00439	-.03884	.00026	-.00001	-.00070	.02138	.00027	5.86553

ARC 218-1-12 0A101 (0V102) (B2Q093) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 313/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.254	-7.981	1.00000	5.18190	280.55000	.03280	-.00020	.01030	-4.05020	.69000	6230.29999
.253	-5.524	1.00000	5.16670	279.11000	.03390	-.00020	.02330	-3.40870	.70190	6233.90002
.253	-.129	1.00000	5.16480	279.12000	.03300	-.00020	.03640	-.90020	.87430	6236.70001
.254	2.670	1.00000	5.18400	281.29000	.03130	-.00010	.03420	.79040	.41130	6235.90002
.253	5.551	1.00000	5.16120	279.13000	.03270	-.00020	.02410	2.44030	.58100	6242.40002
.253	7.054	1.00000	5.16580	279.86000	.03210	-.00020	.01570	3.18310	.60100	6243.70001
.252	8.760	1.00000	5.15110	278.42000	.03200	-.00010	.00570	3.70800	.61360	6246.59998
.252	10.953	1.00000	5.14360	277.70000	.03260	-.00030	-.01010	4.11070	.62230	6249.50000
.252	13.173	1.00000	5.13510	276.98000	.03210	.00000	-.02620	4.16330	.62570	6251.70001
.251	16.365	1.00000	5.13440	276.99000	.03400	-.00010	-.05260	3.88320	.63250	6255.20001
.249	18.586	1.00000	5.04360	277.37000	.03660	-.00010	-.07150	3.56410	.63810	6385.00000
	GRADIENT	.00000	.00686	.77522	-.00061	.00004	-.00079	.60396	-.16540	-.28581

ARC 218-1-12 0A101 (0V102) (B2Q094) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 5.000

RUN NO. 308/ 0 RN/L = 5.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-7.802	1.00000	5.11360	289.25000	.03540	-.00040	.00760	-4.08310	.69040	6472.59998
.253	-5.613	1.00000	5.12550	290.71000	.03420	-.00040	.02140	-3.46560	.70090	6473.20001
.253	-.094	1.00000	5.12420	290.71000	.03500	-.00050	.03450	-.85430	.89410	6473.90002
.253	2.677	1.00000	5.11700	289.99000	.03360	-.00030	.03320	.84170	.42130	6475.29999
.253	5.472	1.00000	5.11540	289.99000	.03390	-.00030	.02280	2.50050	.58020	6475.29999
.253	7.110	1.00000	5.10940	289.26000	.03420	-.00030	.01410	3.22530	.60130	6476.79999
.253	8.778	1.00000	5.12170	290.72000	.03360	-.00040	.00460	3.73080	.61380	6476.70001
.253	11.014	1.00000	5.10850	289.27000	.03490	-.00050	-.01190	4.08970	.62210	6479.59998
.253	13.219	1.00000	5.10740	289.28000	.03500	-.00020	-.02890	4.14790	.62630	6481.00000
.252	16.399	1.00000	5.10100	288.55000	.03570	-.00030	-.05470	3.88070	.63310	6482.50000
.252	18.460	1.00000	5.10080	288.56000	.03670	-.00020	-.07100	3.58260	.63760	6483.90002
	GRADIENT	.00000	-.00260	-.25982	-.00051	.00007	-.00047	.61203	-.17062	.50520

ARC 218-1-12 OA101 (OV102) (B2Q095) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 285/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-7.941	1.00000	5.10180	285.30000	.03690	-.00010	.01840	-3.61790	.70110	6362.70001
.253	-5.541	1.00000	5.10590	286.03000	.03580	.00000	.03270	-3.04230	.71720	6364.09998
.254	-.150	1.00000	5.11090	286.76000	.03500	.00000	.04650	-.83090	.93020	6366.09998
.254	2.630	1.00000	5.10880	286.76000	.03460	-.00010	.04370	.58710	.27720	6366.79999
.253	5.591	1.00000	5.09720	286.06000	.03580	-.00020	.03300	2.09210	.55540	6374.59998
.253	7.106	1.00000	5.10210	286.79000	.03350	-.00010	.02610	2.75320	.58270	6375.29999
.253	8.800	1.00000	5.09500	286.07000	.03400	.00000	.01510	3.27720	.59880	6378.20001
.253	10.981	1.00000	5.08710	285.35000	.03460	-.00020	-.00060	3.67370	.61020	6381.00000
.253	13.184	1.00000	5.09240	286.08000	.03450	-.00020	-.01700	3.79360	.61670	6381.70001
.252	16.376	1.00000	5.07100	283.91000	.03650	.00010	-.04420	3.64410	.62560	6385.40002
.251	18.623	1.00000	5.05090	281.75000	.03910	-.00020	-.06260	3.37110	.63200	6391.09998
	GRADIENT	.00000	-.00076	-.00000	-.00014	-.00004	-.00101	.51005	-.23488	.25179

ARC 218-1-12 OA101 (OV102) (B2Q096) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 273/ 0 RN/L = 7.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-8.141	1.00000	7.90010	441.88000	.03750	-.00010	.01740	-3.61660	.70050	9959.30005
.253	-5.598	1.00000	7.91650	444.78000	.03590	.00000	.03260	-3.03410	.71670	9957.00000
.252	-.153	1.00000	7.90500	444.04000	.03600	.00000	.04550	-.81910	.93170	9954.19995
.253	2.675	1.00000	7.90430	444.76000	.03460	-.00010	.04420	.63300	.31620	9949.90002
.253	5.631	1.00000	7.88940	444.74000	.03470	-.00010	.03360	2.07450	.55500	9942.90002
.253	7.257	1.00000	7.87660	444.00000	.03420	.00020	.02470	2.77130	.58410	9941.50000
.252	8.946	1.00000	7.86570	443.27000	.03440	.00010	.01400	3.27800	.60020	9940.09998
.252	11.161	1.00000	7.84810	441.82000	.03430	.00000	-.00180	3.69730	.61170	9938.80005
.252	13.412	1.00000	7.83470	441.09000	.03460	.00030	-.01850	3.78470	.61730	9937.50000
.252	16.666	1.00000	7.82410	440.35000	.03650	.00000	-.04470	3.58150	.62700	9935.40002
.252	18.914	1.00000	7.83060	441.81000	.03910	.00000	-.06170	3.29160	.63320	9935.30005
	GRADIENT	.00000	-.00025	.25457	-.00049	-.00004	-.00046	.51342	-.21762	-1.52022

ARC 218-1-12 OA101 (OV102) (B2Q097) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 279/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-6.329	1.00000	7.70950	447.00000	.03760	-.00020	.04010	-.67690	.94680	9971.69995
.254	-4.271	1.00000	7.72720	449.17000	.03660	-.00010	.04340	-.75330	.92880	9968.69995
.253	-2.106	1.00000	7.71280	447.72000	.03620	-.00020	.04520	-.75460	.94030	9969.50000
.253	-1.070	1.00000	7.71160	447.72000	.03550	-.00010	.04650	-.73550	.94940	9969.50000
.253	.006	1.00000	7.70450	446.99000	.03610	.00000	.04630	-.78570	.93000	9969.59998
.253	.530	1.00000	7.70980	447.72000	.03540	.00000	.04720	-.76670	.93420	9968.09998
.253	1.065	1.00000	7.70830	447.71000	.03630	-.00010	.04570	-.71760	.95740	9967.40002
.253	2.118	1.00000	7.70750	447.71000	.03660	-.00020	.04470	-.71800	.95570	9966.69995
.253	3.148	1.00000	7.71450	448.43000	.03690	-.00040	.04320	-.69210	.96460	9965.19995
.254	4.200	1.00000	7.71120	448.43000	.03830	-.00040	.04140	-.69450	.95630	9964.50000
.254	6.283	1.00000	7.71090	448.43000	.03840	-.00050	.03820	-.64870	.96920	9963.80005
.253	8.226	1.00000	7.69860	446.98000	.03950	-.00040	.03380	-.54800	1.00300	9965.30005
.253	10.282	1.00000	7.68400	445.53000	.04010	-.00020	.02960	-.44830	1.03380	9966.80005
	GRADIENT	.00000	-.00136	-.03342	.00017	-.00003	-.00025	.00831	.00374	-.59968

ARC 218-1-12 OA101 (OV102) (B20098) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 274/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-6.213	1.00000	7.82890	443.28000	.03850	-.00030	.02810	2.13700	.57070	9942.30005
.253	-4.225	1.00000	7.83110	444.01000	.03590	-.00010	.03290	2.03120	.55930	9943.59998
.253	-2.130	1.00000	7.83640	444.74000	.03550	-.00010	.03430	1.99270	.55420	9945.00000
.252	-1.068	1.00000	7.81940	443.31000	.03570	-.00020	.03440	1.98550	.55120	9950.69995
.252	-.247	1.00000	7.81750	443.31000	.03570	.00000	.03450	1.98020	.55290	9953.50000
.252	.633	1.00000	7.81250	443.32000	.03600	-.00010	.03350	2.01400	.55100	9956.40002
.252	1.104	1.00000	7.81790	444.06000	.03580	-.00030	.03320	2.04580	.55220	9959.09998
.252	2.129	1.00000	7.80690	443.34000	.03650	-.00030	.03260	2.02040	.55390	9962.00000
.252	3.193	1.00000	7.80410	443.34000	.03740	-.00030	.03070	2.08770	.55850	9964.09998
.252	4.202	1.00000	7.80880	444.08000	.03710	-.00020	.03020	2.12190	.56180	9965.50000
.252	6.259	1.00000	7.80590	444.08000	.03800	-.00050	.02690	2.22210	.56990	9967.59998
.252	8.305	1.00000	7.79130	442.64000	.03890	-.00030	.02260	2.39190	.58240	9971.19995
.252	10.292	1.00000	7.78990	442.65000	.03910	-.00020	.01890	2.53890	.59200	9974.09998
	GRADIENT	.00000	-.00362	-.05801	.00020	-.00002	-.00042	.01225	.00035	2.95527

ARC 218-1-12 OA101 (OV102) (B2Q099) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 280/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-6.561	1.00000	7.68470	446.25000	.03830	-.00020	-.00400	3.72510	.62190	9964.00000
.253	-4.476	1.00000	7.68170	446.25000	.03640	-.00010	-.00160	3.66530	.61750	9962.50000
.253	-2.034	1.00000	7.67410	445.52000	.03430	-.00010	-.00030	3.64390	.61410	9961.19995
.252	-1.128	1.00000	7.65660	444.06000	.03500	-.00020	-.00140	3.66640	.61320	9961.30005
.253	-.018	1.00000	7.66570	445.51000	.03380	.00000	.00110	3.65630	.61250	9959.00000
.253	.475	1.00000	7.65980	444.78000	.03430	.00020	.00040	3.67560	.61280	9959.09998
.253	.981	1.00000	7.66460	445.51000	.03540	-.00020	.00080	3.63150	.61200	9957.69995
.252	2.156	1.00000	7.65040	444.06000	.03650	-.00010	-.00370	3.70600	.61480	9959.09998
.253	3.169	1.00000	7.65690	444.78000	.03670	-.00030	-.00550	3.76490	.61620	9957.69995
.253	4.170	1.00000	7.66740	446.23000	.03770	-.00020	-.00710	3.77860	.61770	9956.19995
.253	6.207	1.00000	7.66100	445.50000	.03890	-.00040	-.01010	3.85940	.62270	9956.19995
.253	8.296	1.00000	7.65980	445.50000	.03860	-.00040	-.01270	3.99320	.62580	9954.80005
.252	10.253	1.00000	7.64620	444.05000	.03910	-.00030	-.01570	4.08380	.62850	9957.00000
	GRADIENT	.00000	-.00228	-.05952	.00023	-.00001	-.00067	.01420	.00009	-.70549

ARC 218-1-12 OA101 (OV102) (B2Q0A0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 281/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.000	1.00000	7.60160	439.70000	.03760	-.00040	-.04920	3.63740	.63180	9958.69995
.252	-3.912	1.00000	7.60790	441.14000	.03620	.00000	-.04570	3.58170	.62840	9953.69995
.252	-2.066	1.00000	7.60440	441.14000	.03780	-.00020	-.04630	3.55540	.62800	9953.69995
.252	.006	1.00000	7.62120	443.31000	.03490	.00000	-.04370	3.57250	.62800	9951.40002
.252	2.124	1.00000	7.60270	441.14000	.03830	-.00020	-.04760	3.59570	.62900	9953.69995
.252	4.048	1.00000	7.60800	441.86000	.03670	-.00010	-.04770	3.62390	.62930	9953.59998
.251	6.083	1.00000	7.59500	440.42000	.03720	-.00030	-.05120	3.67870	.63250	9956.50000
.252	7.367	1.00000	7.59880	441.14000	.03830	-.00040	-.05090	3.74610	.63470	9957.19995
	GRADIENT	.00000	-.00009	.06951	.00008	-.00001	-.00027	.00628	.00014	-.00799

ARC 218-1-12 0A101 (0V102) (B2Q0A1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 275/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-7.948	1.00000	7.76290	441.97000	.03790	-.00010	.01720	-3.61720	.70030	9992.40002
.252	-5.723	1.00000	7.76880	442.70000	.03780	-.00010	.02960	-3.07320	.71350	9993.80005
.252	-.125	1.00000	7.78170	444.16000	.03620	-.00010	.04490	-.77540	.94100	9993.00000
.252	2.687	1.00000	7.77990	444.16000	.03630	-.00020	.04150	.72660	.36390	9993.00000
.251	5.532	1.00000	7.76520	442.71000	.03700	-.00010	.03100	2.15080	.56070	9995.19995
.252	7.213	1.00000	7.78210	444.89000	.03500	-.00020	.02370	2.81230	.58680	9994.40002
.252	8.936	1.00000	7.76930	443.44000	.03590	-.00010	.01280	3.29450	.60160	9996.59998
.252	11.180	1.00000	7.77430	444.17000	.03620	-.00030	-.00300	3.68240	.61370	9997.30005
.252	13.416	1.00000	7.77370	444.17000	.03620	-.00010	-.01950	3.77130	.61910	9998.69995
.251	16.695	1.00000	7.73450	439.83000	.03740	.00000	-.04580	3.57770	.62860	10005.00000
.250	18.746	1.00000	7.72030	438.38000	.03880	-.00010	-.06140	3.32790	.63410	10007.00000
	GRADIENT	.00000	-.00064	.00000	.00004	-.00004	-.00121	.53429	-.20529	.00000

ARC 218-1-12 0A101 (0V102) (B2Q0A2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 282/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-22.930	1.00000	7.62930	445.49000	.03540	.00000	.04840	-.76210	.93250	9954.09998
.252	-18.065	1.00000	7.61630	444.05000	.03570	.00000	.04670	-.79130	.92080	9956.30005
.253	-15.082	1.00000	7.62150	444.78000	.03500	-.00010	.04750	-.77070	.92990	9956.30005
.253	-10.063	1.00000	7.61970	444.78000	.03530	-.00010	.04680	-.77660	.93150	9957.69995
.253	-4.929	1.00000	7.62550	445.51000	.03450	.00010	.04690	-.80450	.92720	9957.69995
.253	-2.387	1.00000	7.61880	444.78000	.03530	-.00010	.04660	-.78520	.93300	9958.40002
.253	.028	1.00000	7.62520	445.51000	.03520	.00000	.04630	-.79500	.93040	9958.40002
.253	2.622	1.00000	7.61730	444.78000	.03500	.00000	.04690	-.77980	.93270	9959.09998
.252	5.064	1.00000	7.61120	444.06000	.03550	-.00010	.04660	-.79180	.92890	9959.80005
.252	10.060	1.00000	7.60560	443.34000	.03630	.00020	.04560	-.78470	.92720	9962.00000
	GRADIENT	.00000	-.00074	-.05965	.00006	-.00001	-.00001	.00259	.00056	.16820

ARC 218-1-12 OA101 (OV102) (B2Q0A3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 272/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-22.959	1.00000	8.08770	443.35000	.03660	-.00010	.03720	1.73740	.53600	9965.50000
.252	-18.151	1.00000	8.06710	443.34000	.03630	-.00010	.03620	1.76840	.53900	9963.40002
.253	-15.005	1.00000	8.05600	445.49000	.03500	-.00010	.03710	1.80040	.54090	9950.59998
.253	-9.999	1.00000	8.03880	444.76000	.03540	-.00020	.03680	1.79840	.54090	9952.09998
.253	-4.878	1.00000	8.02750	444.76000	.03470	-.00010	.03730	1.78130	.53800	9949.90002
.252	-2.497	1.00000	7.98880	443.32000	.03530	.00000	.03680	1.79350	.53920	9954.30005
.253	.019	1.00000	7.98720	444.04000	.03570	-.00010	.03590	1.81340	.54010	9952.80005
.253	2.565	1.00000	7.97230	444.04000	.03540	.00010	.03610	1.80590	.53900	9952.09998
.252	5.016	1.00000	7.95510	443.31000	.03580	-.00020	.03580	1.80100	.53870	9951.40002
.252	10.089	1.00000	7.94440	443.30000	.03500	-.00010	.03670	1.80520	.54050	9950.00000
	GRADIENT	.00000	-.00669	-.05553	.00010	.00002	-.00018	.00375	.00015	.19722

ARC 218-1-12 OA101 (OV102) (B2Q0A4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 283/ 0 RN/L = 7.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-23.016	1.00000	7.59140	444.03000	.03380	-.00010	.00070	3.64320	.61390	9950.69995
.252	-17.937	1.00000	7.57920	442.58000	.03410	.00010	-.00130	3.69960	.61530	9952.19995
.252	-15.034	1.00000	7.58420	443.31000	.03390	.00010	-.00110	3.69950	.61560	9951.40002
.252	-9.957	1.00000	7.58390	443.31000	.03370	.00010	-.00120	3.71020	.61500	9952.09998
.252	-4.960	1.00000	7.58390	443.31000	.03350	.00010	-.00020	3.67770	.61400	9952.09998
.252	-2.467	1.00000	7.57030	441.86000	.03460	.00000	-.00120	3.68110	.61410	9954.30005
.252	-.010	1.00000	7.58250	443.31000	.03340	.00010	-.00020	3.67880	.61390	9952.80005
.252	2.537	1.00000	7.56990	441.87000	.03420	.00010	-.00130	3.69350	.61410	9955.00000
.252	5.111	1.00000	7.56260	441.14000	.03440	.00010	-.00120	3.68660	.61420	9955.80005
.252	9.992	1.00000	7.57440	442.59000	.03430	.00000	-.00090	3.67740	.61520	9954.30005
	GRADIENT	.00000	-.00120	-.11620	.00004	.00000	-.00009	.00182	.00000	.29010

ARC 218-1-12 OA101 (OV102) (B2Q0A5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 284/ 0 RN/L = 7.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-22.930	1.00000	7.59940	446.23000	.03600	.00000	-.04400	3.56760	.62890	9955.50000
.253	-17.968	1.00000	7.59130	445.50000	.03550	-.00010	-.04450	3.58520	.62950	9957.00000
.253	-15.072	1.00000	7.59030	445.51000	.03660	.00010	-.04600	3.59250	.62960	9957.69995
.253	-9.999	1.00000	7.59000	445.51000	.03710	-.00010	-.04600	3.58270	.62910	9958.40002
.253	-4.929	1.00000	7.58950	445.51000	.03690	.00000	-.04510	3.57390	.62860	9958.40002
.253	-2.497	1.00000	7.58780	445.51000	.03650	.00020	-.04530	3.58320	.62860	9959.80005
.253	.028	1.00000	7.58810	445.51000	.03700	.00000	-.04580	3.58020	.62860	9960.50000
.253	2.508	1.00000	7.58040	444.79000	.03650	.00020	-.04510	3.57520	.62870	9961.90002
.253	5.045	1.00000	7.58600	445.52000	.03670	.00000	-.04530	3.57470	.62870	9961.19995
.253	10.089	1.00000	7.58450	445.52000	.03700	.00010	-.04560	3.57690	.62900	9961.90002
	GRADIENT	.00000	-.00109	-.08708	-.00002	.00002	-.00002	.00003	.00001	.45059

ARC 218-1-12 OA101 (OV102) (B2Q0A6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 276/ 0 RN/L = 7.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-8.132	1.00000	7.75070	442.75000	.03740	-.00020	.01690	-3.63000	.6992010009	.00000
.252	-5.619	1.00000	7.75870	444.20000	.03630	.00010	.03220	-3.03050	.7149010009	.00000
.252	-.150	1.00000	7.75150	443.48000	.03580	.00000	.04610	-.78680	.9347010011	.00000
.252	2.658	1.00000	7.76280	444.93000	.03440	.00010	.04430	.65760	.3384010009	.00000
.251	5.653	1.00000	7.73010	441.31000	.03570	.00010	.03300	2.11470	.5601010014	.00000
.252	7.198	1.00000	7.74770	443.48000	.03530	-.00010	.02490	2.73240	.5851010011	.00000
.252	8.940	1.00000	7.76580	445.66000	.03340	.00010	.01510	3.28730	.6016010011	.00000
.252	11.179	1.00000	7.75240	444.21000	.03410	.00010	-.00140	3.68780	.6125010013	.00000
.251	13.396	1.00000	7.74510	443.49000	.03470	.00000	-.01780	3.76590	.6180010014	.00000
.251	16.689	1.00000	7.71920	440.59000	.03700	.00000	-.04530	3.57650	.6276010018	.00000
.250	18.932	1.00000	7.69170	437.70000	.03900	.00000	-.06160	3.28720	.6336010022	.00000
	GRADIENT	.00000	.00402	.51635	-.00050	.00004	-.00064	.51435	-.21234	-.71224

ARC 218-1-12 OA101 (OV102) (B2Q0A7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 277/ 0 RN/L = 7.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-6.209	1.00000	7.72620	443.42000	.03680	-.00020	.02980	2.14420	.57110	9990.90002
.251	-4.218	1.00000	7.70440	441.23000	.03670	-.00010	.03270	2.04100	.56140	9986.80005
.252	-2.116	1.00000	7.71600	442.68000	.03420	-.00010	.03600	2.00240	.55480	9984.59998
.251	-1.071	1.00000	7.70890	441.95000	.03380	-.00010	.03650	1.99520	.55470	9984.69995
.251	-.246	1.00000	7.68840	439.78000	.03630	-.00010	.03420	1.99210	.55600	9986.90002
.252	.606	1.00000	7.71120	442.68000	.03440	-.00030	.03560	2.02970	.55430	9984.59998
.251	1.076	1.00000	7.69700	441.23000	.03440	.00000	.03440	2.06190	.55480	9986.09998
.251	2.123	1.00000	7.68960	440.50000	.03660	-.00010	.03220	2.10690	.56030	9986.90002
.251	3.205	1.00000	7.68870	440.50000	.03600	-.00020	.03220	2.12780	.56350	9986.19995
.251	4.230	1.00000	7.69370	441.23000	.03730	-.00040	.03050	2.15060	.56610	9985.40002
.251	6.253	1.00000	7.68010	439.78000	.03830	-.00030	.02700	2.28300	.57600	9986.90002
.251	8.407	1.00000	7.68870	441.22000	.03790	-.00020	.02360	2.44600	.58820	9984.69995
.250	10.282	1.00000	7.66290	438.32000	.03820	-.00010	.01890	2.64760	.59830	9985.59998
	GRADIENT	.00000	-.00248	-.12047	.00016	-.00002	-.00042	.01751	.00082	.01334

ARC 218-1-12 OA101 (OV102) (B2Q0A8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -22.800
RN/L = 8.000

RUN NO. 278/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.316	1.00000	7.65620	438.31000	.03960	-.00020	.03180	2.01030	.56440	9982.09998
.251	-4.246	1.00000	7.67320	440.48000	.03670	-.00010	.03560	1.98610	.55890	9979.80005
.251	-2.120	1.00000	7.65420	438.31000	.03610	-.00020	.03680	1.94280	.55450	9981.40002
.252	-1.099	1.00000	7.69630	443.38000	.03630	-.00020	.03540	1.94580	.55440	9975.40002
.253	-.197	1.00000	7.73340	447.73000	.03390	-.00010	.03890	1.92540	.55450	9972.40002
.253	.602	1.00000	7.73010	447.73000	.03520	-.00020	.03640	1.98860	.55530	9973.09998
.254	1.090	1.00000	7.73980	449.18000	.03450	-.00010	.03590	2.03970	.55780	9970.80005
.253	2.136	1.00000	7.72670	447.73000	.03570	-.00020	.03420	2.09040	.56190	9973.09998
.253	3.182	1.00000	7.72550	447.73000	.03600	-.00020	.03330	2.10700	.56520	9973.09998
.253	4.227	1.00000	7.72490	447.73000	.03620	-.00030	.03120	2.19500	.57140	9973.09998
.253	6.247	1.00000	7.71100	446.28000	.03730	-.00020	.02750	2.29270	.57980	9973.80005
.253	8.316	1.00000	7.72770	448.45000	.03680	-.00020	.02490	2.43470	.58850	9971.59998
.253	10.281	1.00000	7.71510	447.00000	.03840	-.00020	.02090	2.55050	.59420	9972.40002
	GRADIENT	.00000	.00836	1.14934	-.00006	-.00001	-.00053	.02765	.00159	-1.00291

ARC 218-1-12 0A101 (0V102) (B2Q0A9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 326/ 0 RN/L = 5.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-7.939	1.00000	5.12730	283.70000	.04220	-.00020	.02680	-3.24190	.70770	6313.40002
.253	-5.510	1.00000	5.12520	283.71000	.04180	-.00010	.04070	-2.69730	.72570	6316.20001
.254	-.111	1.00000	5.13580	285.16000	.03970	-.00020	.05510	-.77250	.95840	6316.09998
.254	2.663	1.00000	5.12870	284.44000	.03840	-.00020	.05360	.42310	.13790	6318.29999
.253	5.547	1.00000	5.12580	284.45000	.03780	-.00010	.04400	1.72080	.52770	6321.09998
.253	7.125	1.00000	5.11630	283.74000	.03760	-.00010	.03490	2.33120	.56430	6327.50000
.253	8.757	1.00000	5.12180	284.47000	.03630	.00020	.02570	2.81270	.58380	6327.50000
.253	10.967	1.00000	5.12070	284.47000	.03600	-.00020	.01060	3.26160	.59920	6328.90002
.253	13.161	1.00000	5.11320	283.75000	.03670	.00010	-.00630	3.43750	.60750	6331.00000
.252	16.354	1.00000	5.09910	282.31000	.03900	-.00010	-.03280	3.37820	.61860	6334.59998
.252	18.571	1.00000	5.08440	280.86000	.04020	-.00020	-.05030	3.19000	.62590	6337.50000
	GRADIENT	.00000	-.00256	-.25952	-.00047	.00000	-.00054	.43094	-.29574	.79297

ARC 218-1-12 OA101 (OV102) (B2Q0B0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 5.000

RUN NO. 330/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-6.212	1.00000	5.07250	283.14000	.04030	-.00010	.03930	1.69780	.53600	6372.00000
.252	-4.162	1.00000	5.07160	283.15000	.03890	-.00010	.04280	1.65380	.52850	6372.70001
.252	-2.076	1.00000	5.07790	283.87000	.03830	-.00020	.04430	1.58750	.51860	6372.70001
.252	-1.060	1.00000	5.07150	283.15000	.03810	-.00030	.04510	1.56600	.51540	6373.40002
.252	-.201	1.00000	5.07160	283.15000	.03810	-.00010	.04460	1.57890	.51840	6372.70001
.252	.581	1.00000	5.07830	283.87000	.03820	-.00030	.04390	1.62340	.51670	6372.70001
.252	1.053	1.00000	5.07080	283.15000	.03830	.00000	.04770	1.63510	.51560	6372.70001
.252	2.071	1.00000	5.06870	283.16000	.03900	-.00020	.04260	1.64630	.52080	6375.50000
.252	3.137	1.00000	5.07070	283.15000	.04020	-.00040	.04090	1.66850	.52310	6373.40002
.252	4.157	1.00000	5.07430	283.88000	.04010	-.00040	.04110	1.67300	.52650	6374.79999
.252	6.202	1.00000	5.06380	282.43000	.04140	-.00040	.03680	1.78170	.53690	6374.90002
.252	8.194	1.00000	5.06450	282.43000	.04140	-.00040	.03480	1.85460	.54430	6375.59998
.252	10.209	1.00000	5.06370	282.43000	.03970	-.00020	.03290	1.97660	.55570	6375.59998
	GRADIENT	.00000	-.00022	.02083	.00020	-.00003	-.00035	.00766	.00006	.24924

ARC 218-1-12 OA101 (OV102) (B2Q0B1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 5.000

RUN NO. 331/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-18.065	1.00000	5.07270	283.89000	.03660	-.00010	.04750	1.47210	.50150	6377.59998
.252	-15.072	1.00000	5.06550	283.16000	.03830	-.00020	.04670	1.44480	.50010	6378.29999
.252	-9.989	1.00000	5.07140	283.89000	.03750	-.00030	.04760	1.44770	.50150	6378.29999
.252	-4.939	1.00000	5.06500	283.17000	.03840	-.00030	.04600	1.46720	.50470	6379.09998
.252	-2.427	1.00000	5.07100	283.89000	.03730	.00000	.04630	1.47080	.50430	6378.29999
.251	.151	1.00000	5.05810	282.44000	.03920	-.00020	.04450	1.48440	.50710	6380.50000
.252	2.518	1.00000	5.07040	283.89000	.03770	.00010	.04580	1.48530	.50670	6379.70001
.251	5.111	1.00000	5.05500	282.45000	.03840	.00000	.04540	1.47400	.50370	6381.90002
.251	10.187	1.00000	5.05530	282.45000	.03780	-.00010	.04630	1.46050	.50140	6382.59998
	GRADIENT	.00000	.00011	.02534	-.00000	.00004	-.00010	.00273	.00036	.16294

ARC 218-1-12 OA101 (OV102) (82Q082) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 329/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-6.132	1.00000	5.07820	283.13000	.03970	-.00030	.04000	1.69900	.53510	6367.00000
.252	-4.158	1.00000	5.07740	283.13000	.04010	-.00030	.04240	1.63430	.52510	6367.00000
.252	-2.060	1.00000	5.08410	283.86000	.03800	-.00020	.04470	1.58900	.51870	6367.00000
.252	-1.039	1.00000	5.07000	282.41000	.03830	-.00030	.04510	1.58150	.51420	6368.50000
.252	-.183	1.00000	5.07590	283.13000	.03820	.00010	.04500	1.57110	.51560	6368.50000
.252	.597	1.00000	5.07560	283.13000	.03830	.00000	.04400	1.60390	.51380	6368.50000
.252	1.087	1.00000	5.06750	283.16000	.03810	-.00020	.04430	1.63780	.51540	6376.20001
.252	2.073	1.00000	5.07440	283.13000	.03880	-.00030	.04310	1.65050	.51850	6368.50000
.252	3.115	1.00000	5.07530	283.14000	.03970	-.00050	.04150	1.65990	.52110	6369.90002
.252	4.122	1.00000	5.06760	283.16000	.03940	-.00040	.04210	1.66590	.52580	6377.59998
.252	6.166	1.00000	5.07480	283.14000	.04070	-.00050	.03740	1.75680	.53370	6370.59998
.252	8.043	1.00000	5.08040	283.86000	.03990	-.00030	.03610	1.84350	.54310	6369.79999
.252	10.189	1.00000	5.07350	283.14000	.04010	-.00010	.03260	1.96580	.55450	6371.29999
	GRADIENT	.00000	-.00111	-.01115	.00002	-.00002	-.00022	.00808	.00016	.99621

ARC 218-1-12 OA101 (OV102) (B200B3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 328/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-7.931	1.00000	5.08470	283.11000	.04180	-.00010	.02650	-3.27370	.70810	6359.29999
.252	-5.514	1.00000	5.08500	283.11000	.04120	-.00010	.04100	-2.72480	.72730	6360.00000
.253	-.122	1.00000	5.08980	283.83000	.03870	-.00010	.05540	-.83570	.94260	6359.29999
.252	2.635	1.00000	5.08250	283.11000	.03880	.00010	.05290	.37380	.85160	6360.70001
.253	5.560	1.00000	5.08870	283.84000	.03760	-.00010	.04370	1.68550	.52320	6360.70001
.252	7.073	1.00000	5.08190	283.12000	.03780	.00000	.03440	2.31080	.56130	6362.09998
.253	8.754	1.00000	5.08830	283.84000	.03700	-.00010	.02510	2.80220	.58270	6361.40002
.253	10.939	1.00000	5.08780	283.84000	.03540	.00020	.01110	3.25500	.59830	6362.09998
.252	13.123	1.00000	5.08040	283.12000	.03640	.00010	-.00580	3.43610	.60650	6363.50000
.251	16.287	1.00000	5.05740	281.67000	.03870	-.00010	-.03290	3.39870	.61800	6365.70001
.251	18.536	1.00000	5.05350	280.23000	.03980	.00010	-.05020	3.20220	.62560	6368.59998
	GRADIENT	.00000	-.00265	-.26122	.00004	.00007	-.00091	.43881	-.31963	.50794

ARC 218-1-12 OA101 (OV102) (B200B4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 5.000

RUN NO. 327/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-7.827	1.00000	5.08920	282.35000	.04310	-.00010	.02520	-3.26710	.70810	6348.00000
.253	-5.549	1.00000	5.10000	283.80000	.04170	-.00040	.03950	-2.73120	.72570	6347.29999
.253	-.088	1.00000	5.09930	283.80000	.04020	-.00020	.05330	-.79480	.95700	6348.70001
.252	2.646	1.00000	5.09200	283.08000	.03990	.00000	.05080	.44040	.14510	6349.40002
.252	5.451	1.00000	5.09150	283.08000	.03940	-.00030	.04150	1.72050	.52510	6350.09998
.252	7.082	1.00000	5.08450	282.36000	.03870	.00000	.03360	2.33920	.56280	6351.59998
.253	10.961	1.00000	5.09630	283.81000	.03850	-.00030	.00850	3.25050	.59900	6351.50000
.252	13.166	1.00000	5.08300	282.36000	.03920	-.00020	-.00840	3.43310	.60800	6353.70001
.252	16.356	1.00000	5.07630	281.64000	.03920	-.00010	-.03370	3.38910	.61890	6355.90002
.251	18.423	1.00000	5.06200	280.20000	.04030	-.00020	-.05030	3.21890	.62530	6358.79999
	GRADIENT	.00000	-.00267	-.26331	-.00011	.00007	-.00091	.45173	-.29692	.25596

ARC 218-1-12 OA101 (OV102) (B2Q085) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 5.000

RUN NO. 306/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-8.018	1.00000	5.05230	286.03000	.04980	-.00010	.02840	-3.05500	.71200	6364.09998
.254	-5.564	1.00000	5.05630	287.50000	.04920	.00000	.04280	-2.54890	.73050	6371.70001
.254	-.164	1.00000	5.05940	288.24000	.04670	.00000	.05790	-.82220	.94140	6373.79999
.255	2.632	1.00000	5.06850	289.70000	.04360	.00000	.05860	.27600	-.11540	6376.59998
.255	5.540	1.00000	5.06940	290.44000	.04210	.00010	.04980	1.46070	.49700	6382.20001
.255	7.078	1.00000	5.06070	289.72000	.04280	-.00020	.04060	2.01420	.54370	6385.70001
.254	8.757	1.00000	5.04660	288.28000	.04190	.00010	.03200	2.48580	.56830	6390.09998
.255	10.956	1.00000	5.05680	289.74000	.04020	.00000	.01840	2.92470	.58790	6390.70001
.254	13.157	1.00000	5.04830	289.02000	.03950	.00000	.00250	3.15320	.59780	6393.50000
.253	16.349	1.00000	5.03410	287.58000	.04140	.00000	-.02410	3.18300	.61110	6398.50000
.253	18.592	1.00000	5.01910	286.14000	.04340	.00000	-.04280	3.04260	.61950	6402.90002
	GRADIENT	.00000	.00326	.52225	-.00111	.00000	.00025	.39283	-.37802	1.00160

ARC 218-1-12 OA101 (OV102) (B2Q086) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 292/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-8.129	1.00000	8.11810	443.42000	.05030	.00000	.02750	-3.05620	.71130	9990.90002
.253	-5.666	1.00000	8.11730	445.58000	.04830	.00020	.04310	-2.53480	.73000	9982.40002
.252	-.164	1.00000	8.09450	444.83000	.04620	.00000	.05920	-.76840	.95390	9976.09998
.253	2.665	1.00000	8.07950	444.81000	.04460	-.00010	.05860	.33880	.01790	9968.30005
.253	5.591	1.00000	8.06080	444.78000	.04430	-.00010	.04870	1.51320	.50950	9956.30005
.253	7.165	1.00000	8.04300	444.04000	.04220	.00020	.04150	2.06110	.54900	9952.09998
.252	8.909	1.00000	8.01970	442.60000	.04180	.00010	.03130	2.53990	.57300	9956.40002
.252	11.134	1.00000	8.01540	443.32000	.04040	.00000	.01780	2.95540	.58980	9956.40002
.251	13.344	1.00000	7.98690	441.15000	.04040	.00010	.00180	3.14290	.59880	9960.00000
.251	16.597	1.00000	7.97020	440.43000	.04060	.00010	-.02360	3.14690	.61240	9960.80005
.250	18.870	1.00000	7.92890	436.80000	.04230	.00020	-.04030	2.97750	.62090	9964.50000
	GRADIENT	.00000	-.00530	-.00707	-.00057	-.00004	-.00021	.39136	-.33085	-2.75699

ARC 218-1-12 OA101 (OV102) (B2Q0B7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 298/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-7.962	1.00000	7.62540	438.13000	.04990	.00000	.02760	-3.04160	.71090	9919.30005
.251	-5.646	1.00000	7.62210	438.12000	.05080	-.00040	.03990	-2.53870	.72890	9918.59998
.254	-.122	1.00000	7.68740	446.09000	.04690	-.00040	.05690	-.71840	.97300	9910.30005
.253	2.708	1.00000	7.66680	443.92000	.04410	-.00020	.05840	.40320	.11910	9911.90002
.253	5.521	1.00000	7.65440	442.47000	.04370	-.00010	.04820	1.54270	.50490	9913.40002
.253	7.212	1.00000	7.65790	443.20000	.04250	.00000	.04100	2.09160	.55000	9913.30005
.253	8.859	1.00000	7.66320	443.92000	.04140	.00000	.03240	2.54070	.57380	9913.30005
.253	11.174	1.00000	7.64870	442.48000	.04110	.00000	.01680	2.96890	.59190	9915.50000
.253	13.397	1.00000	7.64730	442.48000	.04180	.00000	-.00010	3.15250	.60140	9916.19995
.252	16.641	1.00000	7.63940	441.76000	.04130	.00000	-.02490	3.15320	.61480	9918.40002
.251	18.704	1.00000	7.59380	436.69000	.04330	.00000	-.04160	3.01160	.62220	9924.30005
	GRADIENT	.00000	-.00728	-.76697	-.00099	.00007	.00053	.39642	-.30181	.56557

ARC 218-1-12 OA101 (OV102) (82Q0B8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 299/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-6.319	1.00000	7.62830	443.94000	.04630	-.00030	.05530	-.66270	.99380	9918.19995
.254	-4.254	1.00000	7.67470	447.56000	.04430	-.00020	.06020	-.72200	.96880	9915.90002
.253	-2.081	1.00000	7.66040	446.11000	.04470	.00010	.06080	-.73120	.96440	9916.69995
.253	-1.077	1.00000	7.65350	445.39000	.04660	.00000	.05840	-.73730	.96360	9916.69995
.253	.012	1.00000	7.64610	444.66000	.04760	-.00010	.05790	-.78670	.93920	9917.50000
.253	.563	1.00000	7.65780	446.11000	.04590	.00010	.05900	-.74810	.95560	9916.00000
.253	1.085	1.00000	7.63730	443.93000	.04780	-.00010	.05770	-.72140	.97020	9917.50000
.254	2.107	1.00000	7.66020	446.83000	.04610	-.00020	.05860	-.67520	.98800	9914.50000
.253	3.130	1.00000	7.64290	444.66000	.04810	-.00020	.05640	-.66770	1.00070	9916.80005
.254	4.174	1.00000	7.67190	448.28000	.04650	-.00050	.05720	-.66480	1.00220	9913.00000
.254	6.242	1.00000	7.65870	446.83000	.04670	-.00070	.05440	-.64930	1.00750	9913.80005
.254	8.322	1.00000	7.65520	446.84000	.04700	-.00060	.05160	-.55080	1.06300	9916.59998
.253	10.268	1.00000	7.64520	445.39000	.04710	-.00030	.04650	-.53030	1.05490	9916.69995
	GRADIENT	.00000	-.00129	-.02069	.00034	-.00004	-.00044	.00924	.00497	-.24547

ARC 218-1-12 0A101 (0V102) (82Q089) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 293/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.163	1.00000	7.93320	440.43000	.04480	-.00020	.04590	1.48910	.50960	9962.19995
.253	-4.189	1.00000	7.96370	444.78000	.04320	-.00020	.05010	1.44530	.50050	9959.80005
.252	-2.048	1.00000	7.94900	444.07000	.04350	-.00020	.05100	1.40930	.49480	9962.00000
.253	-1.050	1.00000	7.95000	444.79000	.04360	-.00020	.05160	1.38970	.49140	9961.90002
.252	-.232	1.00000	7.93760	444.07000	.04360	-.00010	.05120	1.38680	.49490	9963.40002
.253	.575	1.00000	7.94100	445.52000	.04290	.00000	.05120	1.41020	.49380	9961.90002
.253	1.071	1.00000	7.92800	444.79000	.04290	.00000	.05110	1.41540	.48920	9961.90002
.252	2.128	1.00000	7.90350	442.62000	.04310	-.00020	.05020	1.42510	.49190	9963.50000
.252	3.174	1.00000	7.90990	444.07000	.04440	-.00020	.04880	1.44390	.49650	9962.00000
.252	4.198	1.00000	7.90590	444.06000	.04420	-.00030	.04800	1.47920	.49880	9961.30005
.252	6.257	1.00000	7.85140	441.15000	.04540	-.00060	.04490	1.53630	.50930	9958.59998
.252	8.261	1.00000	7.87130	444.04000	.04490	-.00010	.04170	1.63190	.52000	9954.19995
.253	10.278	1.00000	7.87200	444.77000	.04450	-.00020	.03870	1.73550	.53050	9953.40002
	GRADIENT	.00000	-.00775	-.11091	.00009	-.00000	-.00028	.00490	-.00019	.16694

ARC 218-1-12 OA101 (OV102) (B2C0C0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 300/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-6.179	1.00000	7.62520	443.93000	.04630	-.00020	.00920	3.05950	.60340	9917.50000
.253	-4.147	1.00000	7.63570	445.38000	.04370	-.00010	.01390	2.98770	.59660	9914.59998
.254	-2.025	1.00000	7.65200	447.55000	.03950	.00010	.01980	2.93480	.59250	9913.00000
.253	-1.154	1.00000	7.62290	444.65000	.04080	-.00010	.01820	2.94670	.59190	9914.59998
.254	.001	1.00000	7.63250	446.10000	.03980	.00000	.02060	2.91660	.59080	9912.50000
.254	.475	1.00000	7.63250	446.10000	.04010	.00010	.02030	2.92530	.59190	9912.50000
.253	.982	1.00000	7.62470	445.38000	.04110	.00000	.02070	2.89380	.59040	9913.19995
.253	2.119	1.00000	7.60960	443.93000	.04260	-.00010	.01580	2.96740	.59300	9914.69995
.253	3.135	1.00000	7.62260	445.37000	.04300	-.00020	.01440	3.00460	.59530	9912.50000
.253	4.146	1.00000	7.61360	444.65000	.04470	-.00020	.01160	3.03330	.59780	9913.30005
.253	6.178	1.00000	7.61270	444.65000	.04670	-.00060	.00680	3.11760	.60340	9912.50000
.254	8.258	1.00000	7.62910	446.82000	.04620	-.00060	.00540	3.17450	.60560	9911.00000
.253	10.230	1.00000	7.61070	444.65000	.04540	-.00020	.00340	3.25560	.60740	9913.30005
	GRADIENT	.00000	-.00350	-.17814	.00026	-.00002	-.00043	.00632	.00019	-.12559

ARC 218-1-12 OA101 (OV102) (B2Q0C1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 301/ 0 RN/L = 7.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-5.843	1.00000	7.56490	439.58000	.04150	-.00040	-.02670	3.15800	.61650	9918.50000
.252	-3.876	1.00000	7.55910	439.57000	.04250	-.00020	-.02630	3.13200	.61390	9917.09998
.252	-2.075	1.00000	7.57580	441.75000	.04080	.00030	-.02470	3.14000	.61510	9914.80005
.252	-.043	1.00000	7.56620	441.02000	.04110	.00010	-.02500	3.14000	.61500	9915.59998
.252	2.097	1.00000	7.57040	441.74000	.04210	.00000	-.02660	3.15950	.61590	9914.09998
.252	4.035	1.00000	7.56190	441.02000	.04180	-.00040	-.02640	3.16480	.61520	9914.90002
.252	6.094	1.00000	7.56220	441.02000	.04190	-.00040	-.02840	3.19570	.61730	9915.59998
.252	7.062	1.00000	7.55470	440.30000	.04330	-.00040	-.03150	3.23800	.62030	9915.59998
	GRADIENT	.00000	-.00003	.14037	.00000	-.00004	-.00011	.00427	.00017	-.25202

ARC 218-1-12 OA101 (OV102) (B2Q0C2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 8.000

RUN NO. 295/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-11.963	1.00000	7.73500	443.24000	.04210	.00000	.06400	-.74530	.98650	9928.09998
.252	-9.978	1.00000	7.71780	441.79000	.04230	.00000	.06410	-.74320	.98290	9929.59998
.252	-4.929	1.00000	7.71550	441.79000	.04560	.00010	.06020	-.74340	.97050	9929.59998
.252	-2.547	1.00000	7.71120	441.79000	.04520	.00010	.06000	-.72880	.97030	9928.19995
.252	.028	1.00000	7.71630	442.51000	.04540	.00020	.05920	-.72890	.97250	9927.50000
.252	2.556	1.00000	7.71420	442.51000	.04470	.00010	.06010	-.75520	.96050	9926.80005
.252	5.073	1.00000	7.69580	440.33000	.04500	.00020	.06060	-.74430	.97390	9928.30005
.252	10.129	1.00000	7.70570	441.78000	.04210	.00020	.06480	-.74680	.98010	9926.09998
	GRADIENT	.00000	.00006	.11559	-.00010	.00000	-.00004	-.00146	-.00112	-.36237

ARC 218-1-12 OA101 (OV102) (B2Q0C3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 8.000

RUN NO. 294/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-11.963	1.00000	7.77120	443.24000	.04050	.00000	.05550	1.28570	.47040	9929.59998
.252	-9.936	1.00000	7.75980	442.52000	.04190	-.00010	.05490	1.28460	.47590	9931.00000
.252	-4.960	1.00000	7.75620	442.52000	.04240	-.00010	.05350	1.30690	.48180	9931.00000
.252	-2.397	1.00000	7.74540	441.79000	.04390	.00000	.05190	1.29540	.48390	9931.09998
.252	.066	1.00000	7.74800	442.52000	.04320	.00010	.05240	1.29890	.48380	9930.30005
.252	2.546	1.00000	7.74570	442.52000	.04370	.00000	.05130	1.31000	.48390	9930.30005
.252	5.054	1.00000	7.73550	441.79000	.04210	.00010	.05330	1.30310	.48100	9930.30005
.252	10.119	1.00000	7.73280	441.79000	.04110	.00000	.05520	1.29000	.47860	9929.59998
	GRADIENT	.00000	-.00117	.02832	.00013	.00002	-.00025	.00050	.00025	-.11567

ARC 218-1-12 OA101 (OV102) (B2Q0C4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO
SCALE =	.0500			

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	8.000		

RUN NO. 296/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-11.973	1.00000	7.69500	441.05000	.03890	-.00010	.01940	2.95280	.58830	9926.19995
.252	-9.946	1.00000	7.70300	442.50000	.03820	.00010	.02060	2.93480	.58870	9924.00000
.252	-4.970	1.00000	7.69370	441.78000	.03960	.00010	.01910	2.93530	.58920	9924.69995
.252	-2.447	1.00000	7.68550	441.05000	.03990	.00000	.01880	2.94210	.59020	9924.80005
.252	.076	1.00000	7.67660	440.32000	.03930	.00010	.01960	2.93420	.59060	9924.80005
.252	2.518	1.00000	7.68220	441.05000	.03960	.00010	.01880	2.95020	.59030	9924.00000
.252	5.064	1.00000	7.68520	441.77000	.03860	.00020	.02010	2.93790	.58910	9922.59998
.252	10.178	1.00000	7.67780	441.04000	.03810	.00020	.02030	2.94180	.58840	9921.90002
	GRADIENT	.00000	-.00175	-.11799	-.00002	.00000	-.00000	.00146	.00015	-.08338

ARC 218-1-12 OA101 (OV102) (B2Q0C5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO
SCALE =	.0500			

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	8.000		

RUN NO. 297/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-11.963	1.00000	7.65230	438.87000	.03890	-.00010	-.02290	3.15450	.61290	9923.50000
.251	-9.946	1.00000	7.63930	437.42000	.04070	-.00020	-.02420	3.14780	.61260	9925.00000
.251	-4.929	1.00000	7.63690	437.42000	.04010	.00030	-.02410	3.15670	.61320	9925.00000
.251	-2.497	1.00000	7.64260	438.14000	.04120	.00020	-.02500	3.15320	.61350	9924.19995
.251	.038	1.00000	7.62830	436.69000	.04120	.00010	-.02490	3.15090	.61320	9925.69995
.251	2.537	1.00000	7.64560	438.86000	.04080	.00010	-.02430	3.14790	.61330	9922.69995
.251	5.083	1.00000	7.62570	436.69000	.04110	.00000	-.02500	3.15290	.61320	9925.00000
.251	10.148	1.00000	7.62460	436.69000	.03950	.00010	-.02330	3.15360	.61280	9925.00000
	GRADIENT	.00000	.00047	.11459	.00008	-.00003	-.00002	-.00115	-.00000	-.21625

ARC 218-1-12 OA101 (OV102) (B2Q0C6) (01 FEB 78)

PEFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-5.000
RN/L =	8.000		

RUN NO. 303/ 0 RN/L = 7.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-8.096	1.00000	7.54480	441.73000	.04880	.00000	.02860	-3.03330	.70970	9907.09998
.253	-5.670	1.00000	7.55520	443.17000	.04890	.00010	.04250	-2.51380	.72750	9905.59998
.252	-.196	1.00000	7.54050	441.72000	.04580	.00010	.05980	-.73230	.96870	9904.90002
.253	2.646	1.00000	7.54520	442.44000	.04410	.00000	.05940	.36780	.07230	9903.50000
.253	5.637	1.00000	7.54370	442.44000	.04290	.00000	.05010	1.52740	.51260	9902.80005
.253	7.220	1.00000	7.56080	444.61000	.04080	.00020	.04220	2.09780	.55300	9899.09998
.253	8.938	1.00000	7.55570	443.88000	.04000	.00020	.03300	2.55000	.57570	9899.19995
.252	11.152	1.00000	7.53480	441.71000	.03970	-.00010	.01740	2.99000	.59220	9902.09998
.252	13.356	1.00000	7.53540	441.71000	.03920	.00020	.00220	3.16360	.60100	9902.09998
.252	16.629	1.00000	7.52030	440.26000	.03970	.00010	-.02360	3.15790	.61410	9903.59998
.251	18.881	1.00000	7.48850	436.64000	.04250	.00000	-.04120	2.98630	.62220	9907.40002
	GRADIENT	.00000	.00165	.25340	-.00060	-.00004	-.00014	.38717	-.31548	-.49266

ARC 218-1-12 OA101 (OV102) (B2Q0C7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = -5.000
RN/L = 8.000

RUN NO. 302/ 0 RN/L = 7.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-6.315	1.00000	7.59200	445.36000	.04310	-.00010	.04760	1.50820	.51590	9906.80005
.253	-4.195	1.00000	7.57350	443.18000	.04380	.00000	.04970	1.46550	.50660	9908.40002
.253	-2.114	1.00000	7.59040	445.35000	.04220	.00000	.05180	1.41590	.50160	9905.40002
.253	-1.063	1.00000	7.56990	443.18000	.04260	-.00010	.05200	1.41580	.49930	9906.30005
.253	-.239	1.00000	7.56810	443.18000	.04360	-.00020	.05160	1.39990	.49930	9906.30005
.254	.621	1.00000	7.59190	446.07000	.04150	.00000	.05200	1.44200	.49900	9901.90002
.253	1.061	1.00000	7.57880	444.62000	.04160	-.00010	.05260	1.43340	.49390	9904.09998
.253	2.107	1.00000	7.57100	443.90000	.04270	-.00020	.05040	1.46550	.49890	9904.80005
.253	3.188	1.00000	7.56520	443.17000	.04380	-.00040	.04900	1.48070	.50350	9904.90002
.253	4.195	1.00000	7.56460	443.17000	.04320	-.00040	.04860	1.50540	.50710	9904.90002
.253	6.260	1.00000	7.57510	444.62000	.04300	-.00040	.04570	1.60750	.51840	9903.40002
.253	8.250	1.00000	7.56940	443.89000	.04340	-.00050	.04340	1.66300	.52430	9903.40002
.252	10.287	1.00000	7.55070	441.72000	.04420	-.00010	.03830	1.79420	.53900	9906.40002
	GRADIENT	.00000	-.00157	-.04806	-.00000	-.00005	-.00022	.00731	-.00004	-.38935

ARC 218-1-12 OA101 (OV102) (B200C8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = -12.000
RN/L = 8.000

RUN NO. 305/ 0 RN/L = 7.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-6.217	1.00000	7.52120	441.68000	.04450	-.00010	.04590	1.51760	.51390	9892.19995
.253	-4.205	1.00000	7.52070	441.68000	.04300	.00000	.05000	1.45600	.50580	9892.19995
.252	-2.093	1.00000	7.50730	440.23000	.04230	.00000	.05170	1.43560	.50010	9893.69995
.253	-1.045	1.00000	7.51870	441.68000	.04090	.00000	.05420	1.38230	.49050	9891.50000
.253	-.216	1.00000	7.51810	441.68000	.04070	.00000	.05370	1.40120	.49470	9891.50000
.253	.601	1.00000	7.53300	443.84000	.04010	.00010	.05300	1.47280	.49640	9886.50000
.253	1.080	1.00000	7.53330	443.84000	.04030	-.00030	.05290	1.43930	.48860	9885.80005
.253	2.121	1.00000	7.52060	442.39000	.04170	-.00050	.05100	1.47170	.49620	9887.30005
.253	3.168	1.00000	7.51890	442.39000	.04120	-.00030	.05060	1.48560	.49880	9887.30005
.253	4.190	1.00000	7.53070	443.84000	.04150	-.00040	.04930	1.52240	.50520	9885.09998
.253	6.256	1.00000	7.52470	443.12000	.04110	-.00040	.04720	1.59700	.51710	9885.80005
.252	8.268	1.00000	7.50030	440.21000	.04180	-.00010	.04270	1.72100	.53100	9887.40002
.252	10.286	1.00000	7.50470	440.94000	.04240	-.00010	.03720	1.84560	.54470	9886.59998
	GRADIENT	.00000	.00147	.30499	-.00016	-.00006	-.00017	.00982	-.00016	-1.02376

ARC 218-1-12 0A101 (0V102) (B2Q0C9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 217/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-35.167	1.00000	4.98760	284.05000	.04270	-.00040	.09450	-1.26030	1.00150	6433.40002
.251	-30.048	1.00000	4.98720	284.05000	.04080	-.00020	.09190	-1.31580	1.01350	6433.40002
.252	-20.123	1.00000	4.99930	285.50000	.04040	-.00030	.05910	-1.42720	1.07350	6431.79999
.252	-15.054	1.00000	5.00600	286.22000	.03870	-.00030	.04510	-.57960	1.62350	6431.09998
.251	-10.046	1.00000	4.99350	284.77000	.03770	-.00010	.03330	.54180	.09520	6432.59998
.252	-8.040	1.00000	5.00550	286.23000	.03650	-.00010	.03010	1.05020	.40640	6431.79999
.252	-5.976	1.00000	5.00510	286.23000	.03490	-.00020	.02740	1.56260	.52670	6431.79999
.252	-3.993	1.00000	4.99820	285.50000	.03460	-.00010	.02460	2.10320	.59640	6431.79999
.252	-2.984	1.00000	4.99880	285.50000	.03370	.00010	.02420	2.32110	.61680	6433.29999
.252	-2.002	1.00000	5.00510	286.23000	.03410	-.00020	.02190	2.57380	.63550	6431.79999
.251	-1.026	1.00000	4.99150	284.78000	.03430	.00000	.02170	2.76220	.64890	6433.29999
.253	-.032	1.00000	5.01060	286.95000	.03290	-.00020	.02150	2.95730	.66160	6431.09998
.252	.972	1.00000	4.99610	285.50000	.03340	-.00010	.02110	3.13310	.67160	6432.50000
.252	1.959	1.00000	5.00150	286.23000	.03430	-.00050	.02000	3.29640	.68220	6432.50000
.252	2.966	1.00000	4.99490	285.50000	.03420	-.00020	.01990	3.46510	.68970	6433.29999
.252	3.986	1.00000	4.99490	285.50000	.03300	-.00030	.02080	3.57700	.69670	6433.29999
.252	5.976	1.00000	5.00040	286.23000	.03390	-.00030	.02220	3.75790	.71140	6432.50000
.252	7.973	1.00000	4.99380	285.50000	.03640	-.00050	.02400	3.89210	.72360	6432.50000
.251	9.950	1.00000	4.98120	284.05000	.03760	-.00030	.02640	4.00540	.73400	6434.70001
.251	20.137	1.00000	4.97520	283.33000	.03590	-.00040	.04940	4.11830	.76140	6436.20001
	GRADIENT	.00000	-.00046	.01176	-.00009	-.00004	-.00054	.18661	.01232	.11120

ARC 218-1-12 OA101 (OV102) (B2Q0D0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 218/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-35.112	1.00000	4.98040	284.05000	.03210	-.00060	.09740	-2.14910	.96700	6434.70001
.252	-20.112	1.00000	4.99240	285.50000	.02640	-.00030	.06150	-3.13140	.99350	6431.79999
.252	-15.049	1.00000	4.99280	285.50000	.02780	-.00030	.04540	-2.27370	1.10650	6431.79999
.252	-10.020	1.00000	4.99910	286.22000	.02840	-.00040	.03400	-.83390	1.72820	6430.40002
.251	-8.059	1.00000	4.98030	284.05000	.03100	-.00050	.02930	-.19930	6.59590	6432.59998
.252	-5.988	1.00000	4.99250	285.50000	.03100	-.00030	.02620	.45570	-.43950	6431.09998
.252	-3.996	1.00000	4.99250	285.50000	.03200	-.00040	.02360	1.11370	.26590	6431.09998
.251	-2.989	1.00000	4.98580	284.77000	.03330	-.00040	.02250	1.37740	.37770	6431.90002
.252	-2.005	1.00000	4.99850	286.22000	.03250	-.00040	.02230	1.66420	.45670	6429.70001
.251	-1.005	1.00000	4.98560	284.77000	.03360	-.00040	.02170	1.91900	.51040	6431.20001
.251	-.025	1.00000	4.98560	284.77000	.03460	-.00030	.02010	2.18210	.55190	6431.20001
.251	.963	1.00000	4.98580	284.77000	.03530	-.00030	.02020	2.42010	.58580	6431.90002
.251	1.949	1.00000	4.98580	284.77000	.03530	-.00030	.01960	2.63420	.60920	6431.90002
.251	2.957	1.00000	4.98550	284.77000	.03670	-.00040	.01920	2.81500	.62800	6431.90002
.252	4.005	1.00000	4.99130	285.50000	.03600	-.00040	.02040	2.96000	.64240	6431.09998
.252	5.001	1.00000	4.99060	285.50000	.03640	-.00040	.01950	3.11720	.65550	6431.09998
.252	6.018	1.00000	4.99020	285.50000	.03660	-.00030	.02060	3.25260	.66790	6431.09998
.252	7.983	1.00000	4.99020	285.50000	.03730	-.00040	.02340	3.43700	.68730	6431.09998
.252	9.962	1.00000	4.99020	285.50000	.03810	-.00050	.02500	3.57460	.70230	6431.09998
.251	20.156	1.00000	4.97100	283.32000	.04390	-.00060	.04740	3.67190	.74550	6433.40002
	GRADIENT	.00000	-.00051	-.04801	.00056	.00000	-.00049	.23666	.04412	.08482

ARC 218-1-12 OA101 (OV102) (B2Q0D1) (01 FEB 78)

PEFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 231/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-11.652	1.00000	5.03220	278.60000	.03670	-.00040	.01880	3.08350	.65620	6310.90002
.251	-8.008	1.00000	5.03190	278.60000	.03520	-.00050	.01870	3.19880	.66220	6310.90002
.251	-6.035	1.00000	5.02560	277.88000	.03420	-.00050	.01860	3.27770	.66500	6311.59998
.251	-2.987	1.00000	5.03170	278.61000	.03270	-.00030	.01880	3.38140	.67000	6312.29999
.251	-.030	1.00000	5.03170	278.61000	.03160	-.00030	.01900	3.46820	.67480	6312.29999
.251	3.023	1.00000	5.03080	278.61000	.03120	-.00020	.01910	3.54900	.68150	6313.00000
.251	6.030	1.00000	5.02950	278.61000	.03240	-.00040	.01890	3.56930	.68710	6313.00000
.251	8.010	1.00000	5.02900	278.61000	.03200	-.00040	.01940	3.61700	.69110	6313.70001
.251	12.119	1.00000	5.02800	278.62000	.03320	-.00050	.01950	3.64380	.69870	6315.09998
.252	16.352	1.00000	5.04130	280.07000	.03310	-.00040	.02100	3.65600	.70640	6313.59998
.251	22.500	1.00000	5.02010	277.90000	.03740	-.00050	.02360	3.56420	.71730	6317.20001
	GRADIENT	.00000	-.00015	.00000	-.00025	.00002	.00005	.02788	.00191	.11708

ARC 218-1-12 OA101 (OV102) (B2Q0D2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 232/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-11.849	1.00000	5.02440	278.62000	.03160	-.00040	.02460	.77920	.05460	6317.20001
.251	-8.038	1.00000	5.02440	278.62000	.03040	-.00040	.02430	.90580	.15280	6317.20001
.251	-5.850	1.00000	5.01670	277.90000	.03010	-.00050	.02380	.99590	.20780	6318.70001
.251	-3.103	1.00000	5.02270	278.63000	.02870	-.00010	.02370	1.17430	.29100	6317.90002
.251	.050	1.00000	5.01670	277.90000	.02890	-.00040	.02370	1.29050	.34930	6318.70001
.251	2.884	1.00000	5.02320	278.63000	.02900	-.00020	.02330	1.42510	.40250	6317.90002
.251	5.950	1.00000	5.02850	279.35000	.02820	-.00010	.02400	1.56890	.44970	6316.50000
.251	8.081	1.00000	5.01570	277.90000	.02990	-.00040	.02310	1.63460	.47470	6319.40002
.251	12.047	1.00000	5.02220	278.63000	.03140	-.00020	.02400	1.76040	.52590	6318.59998
.251	16.370	1.00000	5.01540	277.90000	.03540	-.00020	.02490	1.83830	.56910	6319.40002
.251	22.500	1.00000	5.02170	278.63000	.04040	-.00020	.02690	1.91630	.61550	6319.29999
	GRADIENT	.00000	.00005	-.00432	.00005	-.00002	-.00007	.04180	.01862	.00473

ARC 218-1-12 0A101 (0V102) (B2Q0D4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	16.400	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	3.000		

RUN NO. 253/ 0 RN/L = 2.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-3.914	1.00000	2.95900	161.86000	.03250	-.00010	-.06130	4.10950	.63990	3661.20001
.252	-2.010	1.00000	2.96460	162.58000	.03240	-.00020	-.05960	4.09710	.63860	3661.20001
.252	.040	1.00000	2.96440	162.58000	.03210	.00000	-.06030	4.12010	.63830	3661.20001
.251	2.088	1.00000	2.95770	161.86000	.03360	-.00020	-.06300	4.18530	.63940	3662.60001
.251	4.095	1.00000	2.95740	161.86000	.03300	-.00030	-.06370	4.22670	.64040	3662.60001
	GRADIENT	.00000	-.00051	-.03717	.00011	-.00002	-.00041	.01611	.00009	.20974

ARC 218-1-12 0A101 (0V102) (B2Q0D5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	16.500	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 249/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-6.128	1.00000	4.95770	275.75000	.03280	-.00040	-.06270	4.15540	.64430	6328.70001
.250	-3.882	1.00000	4.95700	275.75000	.03290	-.00040	-.06190	4.10280	.64170	6328.70001
.250	-2.031	1.00000	4.95640	275.75000	.03310	-.00010	-.06180	4.07120	.64100	6329.40002
.250	.027	1.00000	4.95610	275.75000	.03320	-.00030	-.06240	4.08670	.64070	6329.40002
.249	2.069	1.00000	4.94880	275.03000	.03400	-.00020	-.06410	4.13380	.64130	6330.09998
.250	4.105	1.00000	4.95610	275.75000	.03250	-.00020	-.06420	4.18090	.64220	6329.40002
.250	6.188	1.00000	4.95610	275.75000	.03410	-.00050	-.06700	4.22610	.64460	6329.40002
.250	6.976	1.00000	4.95520	275.75000	.03410	-.00040	-.06860	4.24780	.64620	6329.40002
	GRADIENT	.00000	-.00047	-.03593	.00000	.00001	-.00035	.01104	.00007	.10333

ARC 218-1-12 OA101 (OV102) (B2Q0D6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 251/ 0 RN/L = 2.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-7.741	1.00000	2.98430	158.82000	.03150	-.00040	.00430	-4.37900	.67990	3616.89999
.251	-5.471	1.00000	2.98340	159.57000	.03110	-.00050	.01730	-3.70590	.68760	3623.89999
.251	-.083	1.00000	2.97710	159.58000	.03070	-.00020	.02920	-.80510	.85300	3628.89999
.251	2.676	1.00000	2.97270	159.59000	.02970	-.00020	.02670	1.22680	.53410	3631.70001
.250	5.431	1.00000	2.96690	159.60000	.03000	-.00020	.01670	2.99820	.60550	3635.89999
.250	7.078	1.00000	2.96410	159.61000	.03050	-.00030	.00830	3.77100	.62090	3638.70001
.250	8.722	1.00000	2.96230	159.61000	.03090	-.00040	-.00200	4.26730	.62870	3640.20001
.250	10.911	1.00000	2.96130	159.62000	.03190	-.00050	-.01750	4.52230	.63380	3642.29999
.251	13.098	1.00000	2.96620	160.35000	.03100	-.00030	-.03370	4.50900	.63560	3642.20001
.250	16.250	1.00000	2.95230	158.90000	.03260	-.00020	-.06040	4.13450	.63980	3645.10001
.249	18.253	1.00000	2.94340	158.18000	.03440	-.00040	-.07870	3.81670	.64340	3647.29999
	GRADIENT	.00000	-.00160	.00363	-.00036	.00000	-.00091	.73657	-.11560	1.01501

ARC 218-1-12 OA101 (OV102) (B2Q0D7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 250/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-7.798	1.00000	4.96780	277.20000	.03180	-.00030	.00120	-4.50500	.67730	6327.20001
.251	-5.541	1.00000	4.97360	277.92000	.03170	-.00040	.01430	-3.79610	.68410	6325.70001
.250	-.081	1.00000	4.96800	277.19000	.03230	-.00060	.02610	-.76770	.83860	6325.79999
.251	2.694	1.00000	4.97420	277.92000	.03110	-.00030	.02400	1.31740	.55490	6324.29999
.250	5.485	1.00000	4.96930	277.19000	.03170	-.00040	.01380	3.10670	.61320	6325.09998
.250	7.146	1.00000	4.96210	276.47000	.03170	-.00030	.00560	3.85000	.62440	6325.79999
.251	8.814	1.00000	4.98130	278.64000	.03110	-.00040	-.00410	4.33980	.63150	6323.59998
.251	11.031	1.00000	4.98060	278.64000	.03160	-.00040	-.01960	4.59030	.63590	6323.59998
.250	13.221	1.00000	4.96780	277.19000	.03230	-.00020	-.03690	4.53860	.63720	6325.09998
.250	16.433	1.00000	4.95490	275.74000	.03310	-.00020	-.06240	4.10500	.64150	6326.59998
.249	18.477	1.00000	4.94200	274.29000	.03500	-.00030	-.07940	3.74980	.64480	6328.00000
	GRADIENT	.00000	.00223	.26304	-.00043	.00011	-.00076	.75133	-.10223	-.54048

ARC 218-1-12 OA101 (OV102) (B2Q0D8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-OB =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 236/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-4.011	1.00000	5.01510	279.38000	.02990	-.00030	.01920	2.28800	.54290	6325.59998
.251	-1.983	1.00000	5.02150	280.10000	.02940	-.00010	.01860	2.63220	.58120	6324.90002
.251	-.005	1.00000	5.02100	280.10000	.02970	-.00010	.01780	2.91810	.60880	6324.90002
.252	1.983	1.00000	5.02690	280.83000	.03020	-.00020	.01700	3.16220	.63040	6324.79999
.252	3.995	1.00000	5.02690	280.83000	.03050	-.00020	.01720	3.35450	.64740	6324.79999
	GRADIENT	.00000	.00145	.18176	.00010	.00001	-.00028	.13330	.01293	-.08527

ARC 218-1-12 OA101 (OV102) (B2Q0D9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-OB =	5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 237/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	.990	1.00000	5.01240	279.38000	.03070	-.00020	.01730	3.35840	.64970	6327.09998
.252	2.991	1.00000	5.02400	280.83000	.03080	-.00020	.01760	3.53800	.66390	6326.29999
.252	4.995	1.00000	5.02390	280.83000	.03160	-.00030	.01740	3.69390	.67470	6327.00000
.251	6.996	1.00000	5.01060	279.38000	.03310	-.00030	.01710	3.81650	.68590	6328.50000
.251	8.999	1.00000	5.01060	279.38000	.03320	-.00030	.01840	3.92970	.69470	6328.50000
	GRADIENT	.00000	.00287	.36200	.00022	-.00002	.00002	.08378	.00624	-.02484

ARC 218-1-12 OA101 (OV102) (B2Q0E0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-OB = -5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 238/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-9.035	1.00000	4.99670	277.93000	.03000	-.00020	.02470	.83540	.06650	6329.29999
.251	-7.020	1.00000	5.00960	279.38000	.02830	-.00020	.02420	1.22150	.28880	6327.79999
.251	-5.022	1.00000	5.01550	280.11000	.02880	-.00030	.02210	1.61310	.41450	6327.00000
.251	-3.006	1.00000	5.01550	280.11000	.02930	-.00030	.02060	1.97360	.49000	6327.00000
.251	-.989	1.00000	5.00860	279.38000	.02960	-.00030	.01950	2.32630	.54240	6328.50000
	GRADIENT	.00000	-.00342	-.36187	.00015	.00000	-.00055	.17484	.02598	.74367

ARC 218-1-12 OA101 (OV102) (B2Q0E1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-IB = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 239/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-4.075	1.00000	5.00650	279.39000	.03060	-.00040	.01770	2.59660	.57320	6329.20001
.250	-1.977	1.00000	4.99330	277.94000	.03170	-.00020	.01650	2.75830	.59320	6330.70001
.251	-.004	1.00000	5.01290	280.11000	.03000	-.00020	.01740	2.94620	.60980	6328.40002
.250	1.957	1.00000	4.99370	277.94000	.03150	-.00020	.01650	3.07490	.62510	6330.70001
.251	3.929	1.00000	5.01240	280.11000	.03050	-.00020	.01730	3.19890	.63670	6329.09998
	GRADIENT	.00000	.00060	.07052	-.00002	.00002	-.00004	.07632	.00798	-.00875

ARC 218-1-12 OA101 (OV102) (B2Q0E2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-IB = 5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 240/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	1.005	1.00000	4.99920	278.66000	.03260	-.00030	.01550	3.52930	.65920	6330.59999
.251	2.966	1.00000	5.01120	280.11000	.03190	-.00030	.01660	3.59650	.66770	6329.09998
.251	5.011	1.00000	5.00450	279.39000	.03180	-.00040	.01710	3.71040	.67530	6329.90002
.251	6.984	1.00000	5.00450	279.39000	.03200	-.00030	.01790	3.75390	.68280	6329.90002
.251	8.983	1.00000	4.99720	278.66000	.03350	-.00050	.01740	3.83370	.68960	6330.59998
	GRADIENT	.00000	.00612	.73954	-.00036	.00000	.00056	.03427	.00434	-.76500

ARC 218-1-12 OA101 (OV102) (B2Q0E3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-IB = -5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 241/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-9.044	1.00000	5.00330	279.39000	.02910	-.00020	.02320	1.20470	.27510	6329.90002
.251	-7.036	1.00000	5.00340	279.39000	.02890	-.00020	.02280	1.40370	.35210	6329.20001
.251	-4.938	1.00000	5.00250	279.39000	.02920	-.00030	.02170	1.65170	.41890	6329.90002
.251	-2.928	1.00000	5.00210	279.39000	.02970	-.00030	.02080	1.84360	.46680	6329.90002
.251	-1.014	1.00000	5.00180	279.39000	.02940	-.00020	.02080	2.05960	.50670	6329.20001
	GRADIENT	.00000	-.00018	.00000	.00005	.00003	-.00023	.10385	.02238	-.17687

ARC 218-1-12 OA101 (OV102) (B2Q0E4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 242/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-4.025	1.00000	5.00090	279.39000	.03180	-.00040	.01730	2.90070	.61200	6329.90002
.251	-2.015	1.00000	4.99430	278.66000	.03190	-.00040	.01680	2.95430	.61340	6331.29999
.251	-.010	1.00000	4.99950	279.39000	.03110	-.00030	.01690	2.95370	.61160	6331.29999
.251	1.958	1.00000	5.00590	280.12000	.02960	-.00020	.01850	2.94870	.61280	6330.50000
.251	3.997	1.00000	4.99230	278.67000	.02990	-.00020	.01900	2.90460	.61110	6332.00000
	GRADIENT	.00000	-.00029	.00022	-.00030	.00003	.00025	.00010	-.00012	.17066

ARC 218-1-12 OA101 (OV102) (B2Q0E5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 243/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-4.032	1.00000	4.99870	279.39000	.03250	-.00030	.01730	3.67790	.67630	6331.29999
.251	-2.015	1.00000	5.00470	280.12000	.03260	-.00040	.01680	3.70030	.67590	6330.50000
.251	-.013	1.00000	4.99110	278.67000	.03190	-.00020	.01750	3.69070	.67530	6332.00000
.251	2.002	1.00000	4.99800	279.39000	.03110	-.00020	.01780	3.70560	.67530	6330.59998
.251	3.982	1.00000	4.99080	278.66000	.03200	-.00030	.01730	3.70370	.67610	6331.29999
	GRADIENT	.00000	-.00112	-.10899	-.00013	.00001	.00005	.00284	-.00005	.00472

ARC 218-1-12 OA101 (OV102) (B2Q0E6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 244/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-4.055	1.00000	4.99080	278.66000	.02990	-.00020	.02070	1.62420	.41620	6331.29999
.251	-2.023	1.00000	4.99080	278.66000	.02970	-.00030	.02110	1.59820	.41060	6331.29999
.251	-.013	1.00000	4.99730	279.39000	.02810	-.00010	.02230	1.60740	.41120	6329.90002
.251	1.976	1.00000	4.99050	278.66000	.02840	-.00010	.02200	1.63210	.41380	6330.59998
.251	4.008	1.00000	4.99010	278.66000	.02770	-.00030	.02310	1.61540	.41320	6330.59998
	GRADIENT	.00000	-.00008	.00015	-.00028	-.00000	.00028	.00080	-.00014	-.10445

ARC 218-1-12 OA101 (OV102) (B2Q0E7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 245/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-3.838	1.00000	4.99940	278.66000	.03050	-.00010	.01810	2.92730	.61260	6330.59998
.251	-2.388	1.00000	4.99620	279.39000	.03040	-.00010	.01780	2.90890	.60910	6329.90002
.251	.024	1.00000	4.99940	278.66000	.03000	-.00020	.01830	2.94580	.61260	6330.59998
.251	2.078	1.00000	4.99880	278.66000	.03090	-.00030	.01750	2.94580	.61330	6331.29999
.251	4.267	1.00000	4.99860	278.66000	.03070	-.00030	.01810	2.92010	.61400	6330.59998
	GRADIENT	.00000	-.00049	-.04107	.00004	-.00003	-.00001	.00121	.00037	.07277

ARC 218-1-12 OA101 (OV102) (B2Q0E8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 246/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-3.974	1.00000	4.99370	279.39000	.03200	-.00030	.01830	3.69050	.67720	6330.59998
.251	-1.984	1.00000	4.99440	279.39000	.03190	-.00020	.01800	3.70560	.67670	6330.59998
.251	.065	1.00000	4.99960	280.12000	.03140	-.00020	.01790	3.71280	.67620	6330.50000
.251	2.064	1.00000	4.99910	280.12000	.03210	-.00040	.01780	3.68110	.67630	6330.50000
.251	4.116	1.00000	4.99290	279.39000	.03170	-.00030	.01850	3.66710	.67660	6330.59998
	GRADIENT	.00000	.00015	.03593	-.00002	-.00001	.00001	-.00353	-.00008	-.00491

ARC 218-1-12 OA101 (OV102) (B2Q0E9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 247/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-4.020	1.00000	4.99300	279.39000	.02920	-.00030	.02220	1.61210	.41930	6329.90002
.251	-1.979	1.00000	4.99980	280.11000	.02880	-.00030	.02150	1.64480	.41760	6329.09998
.251	.140	1.00000	4.99260	279.39000	.02960	-.00040	.02100	1.61600	.41270	6329.90002
.251	2.081	1.00000	4.99980	280.11000	.02890	-.00020	.02130	1.62200	.41380	6329.09998
.251	4.025	1.00000	4.99920	280.11000	.02810	-.00030	.02300	1.60920	.41730	6327.70001
	GRADIENT	.00000	.00061	.07052	-.00010	.00000	.00007	-.00141	-.00040	-.21538

ARC 218-1-12 (0V102), NO SILTS POD (B200F0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 345/ 0 RN/L = 8.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-8.065	2.00000	8.16550	444.74000	.02960	.00000	-.00570	-4.96720	.67240	9942.90002
.253	-5.565	2.00000	8.14350	444.74000	.02910	.00010	.00810	-4.30240	.67790	9942.90002
.253	-.082	2.00000	8.13200	444.74000	.02840	.00010	.02150	-.84480	.80560	9944.30005
.253	2.734	2.00000	8.11260	444.75000	.02850	-.00010	.01830	1.52090	.57290	9948.50000
.253	5.630	2.00000	8.11600	447.66000	.02870	-.00020	.00830	3.58830	.62330	9948.30005
.254	7.190	2.00000	8.10420	447.65000	.02810	.00000	-.00030	4.43560	.63130	9946.90002
.253	8.906	2.00000	8.08450	446.92000	.02830	-.00020	-.01080	4.91270	.63690	9944.19995
.253	11.161	2.00000	8.05640	444.74000	.02930	-.00010	-.02730	5.07670	.63970	9942.90002
.253	13.345	2.00000	8.06510	446.91000	.02960	-.00020	-.04320	4.86070	.63990	9939.90002
.252	16.629	2.00000	8.01760	442.55000	.03240	.00000	-.06980	4.23870	.64380	9942.30005
.253	18.909	2.00000	8.02890	444.73000	.03360	.00000	-.08520	3.73720	.64770	9940.69995
	GRADIENT	.00000	-.00689	.00355	.00004	-.00007	-.00114	.84003	-.08263	1.49132

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0F1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 4.500

RUN NO. 352/ 0 RN/L = 4.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.254	-7.499	2.00000	4.57500	251.71000	.02960	-.00030	-.00040	-4.73930	.67310	5563.59998
.255	-5.446	2.00000	4.57740	253.20000	.02810	-.00020	.01180	-4.10420	.67770	5574.79999
.254	-2.247	2.00000	4.55880	251.77000	.02930	.00000	.02060	-2.39150	.70080	5584.09998
.254	-.063	2.00000	4.55680	252.53000	.02870	-.00020	.02330	-.71070	.82490	5593.90002
.253	2.139	2.00000	4.54460	251.82000	.02810	-.00030	.02210	1.12730	.55530	5600.29999
.255	4.335	2.00000	4.56320	254.74000	.02800	-.00020	.01570	2.77840	.61630	5606.50000
.255	6.538	2.00000	4.55890	254.76000	.02910	-.00030	.00510	4.06390	.63060	5612.09998
.255	8.791	2.00000	4.55600	254.77000	.02810	-.00020	-.00760	4.78310	.63810	5615.70001
.254	10.985	2.00000	4.54630	254.06000	.02930	.00000	-.02400	4.96680	.64060	5620.70001
.254	13.170	2.00000	4.53690	253.35000	.02990	-.00020	-.04020	4.78780	.64110	5625.59998
.254	14.251	2.00000	4.54760	254.80000	.02920	-.00010	-.04790	4.64160	.64150	5627.00000
.254	15.269	2.00000	4.54000	254.08000	.03040	-.00020	-.05700	4.47390	.64300	5629.09998
.254	16.367	2.00000	4.53790	254.09000	.03070	-.00020	-.06570	4.26770	.64450	5631.20001
.253	17.465	2.00000	4.53000	253.37000	.03230	-.00030	-.07510	4.04090	.64640	5633.40002
.253	18.595	2.00000	4.52910	253.38000	.03520	.00010	-.08620	3.81390	.64830	5635.50000
	GRADIENT	.00000	.00005	.37365	-.00021	-.00003	-.00073	.79046	-.02388	3.35294

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0F2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 350/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-7.850	2.00000	7.90730	447.01000	.03020	-.00030	-.00590	-5.02480	.67230	9975.90002
.253	-5.574	2.00000	7.91650	448.47000	.02990	-.00020	.00640	-4.39760	.67760	9976.50000
.254	-.077	2.00000	7.91930	449.19000	.02960	-.00040	.01920	-.82050	.80720	9976.50000
.253	2.702	2.00000	7.91020	448.47000	.02950	-.00020	.01670	1.61570	.57980	9977.90002
.253	5.553	2.00000	7.90360	447.75000	.02990	-.00010	.00580	3.73860	.62350	9979.40002
.254	7.225	2.00000	7.91870	449.92000	.02880	-.00030	-.00180	4.52680	.63250	9975.80005
.254	8.921	2.00000	7.90990	449.19000	.02930	-.00010	-.01280	4.99680	.63720	9976.50000
.253	11.151	2.00000	7.89560	447.75000	.03060	-.00020	-.02910	5.11060	.64000	9978.00000
.253	13.402	2.00000	7.88580	447.02000	.03000	-.00010	-.04470	4.87110	.64060	9978.00000
.248	16.653	2.00000	7.74600	431.37000	.03900	.00000	-.07880	4.26170	.64440	9994.90002
.252	18.708	2.00000	7.85650	444.12000	.03440	.00000	-.08700	3.80790	.64800	9981.69995
	GRADIENT	.00000	-.00327	-.25910	-.00004	.00007	-.00090	.87671	-.08183	.50385

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0F3) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 346/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.254	-6.205	2.00000	8.03610	449.78000	.03210	-.00030	.00220	3.79070	.63720	9927.09998
.255	-4.116	2.00000	8.03430	450.49000	.02950	.00000	.00660	3.64110	.63060	9922.09998
.255	-2.067	2.00000	8.03980	451.93000	.02740	-.00010	.01000	3.50420	.62520	9920.59998
.254	-.985	2.00000	8.01460	449.77000	.02880	-.00010	.00910	3.48330	.62430	9924.90002
.251	-.174	2.00000	7.89300	436.66000	.03410	-.00010	.00510	3.47940	.62320	9939.19995
.254	.604	2.00000	7.98300	447.60000	.03000	.00000	.00740	3.55290	.62160	9929.30005
.254	1.061	2.00000	7.97720	447.61000	.02980	-.00010	.00690	3.63100	.62320	9932.09998
.254	2.049	2.00000	7.98560	449.07000	.02980	-.00030	.00710	3.58930	.62400	9934.19995
.253	3.151	2.00000	7.96290	446.90000	.03050	-.00020	.00550	3.70430	.62790	9938.50000
.254	4.248	2.00000	7.94540	448.40000	.03060	-.00030	.00480	3.76560	.63150	9952.50000
.254	6.210	2.00000	7.97640	449.82000	.03080	-.00040	.00190	3.98830	.63730	9941.90002
.254	8.467	2.00000	7.96010	449.11000	.03190	-.00030	-.00280	4.39740	.64750	9947.59998
.253	10.232	2.00000	7.94270	447.67000	.03230	-.00030	-.00520	4.61550	.65100	9951.19995
	GRADIENT	.00000	-.01037	-.31066	.00021	-.00003	-.00036	.02210	.00010	3.28431

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0F4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = -5.000
RN/L = 3.000

RUN NO. 348/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-6.124	2.00000	8.06560	446.29000	.03020	.00010	.00450	3.79170	.63300	9976.00000
.253	-4.147	2.00000	8.06100	447.01000	.02860	-.00010	.00850	3.58050	.62660	9976.59998
.253	-2.515	2.00000	8.04450	446.29000	.02840	.00000	.01020	3.46110	.62300	9976.69995
.253	-1.045	2.00000	8.03350	446.28000	.02820	.00000	.01080	3.39890	.62030	9975.30005
.252	-.208	2.00000	8.00890	444.11000	.02980	-.00020	.01030	3.33880	.62040	9975.40002
.253	.606	2.00000	8.00920	445.55000	.02870	.00010	.01000	3.45910	.61930	9973.19995
.253	1.053	2.00000	8.01690	447.00000	.02840	-.00020	.00980	3.50330	.62080	9971.69995
.253	2.069	2.00000	7.99920	445.55000	.02960	-.00020	.00830	3.53940	.62280	9973.90002
.252	3.134	2.00000	7.98680	444.83000	.03020	-.00010	.00730	3.58120	.62510	9975.30005
.253	4.146	2.00000	7.99510	446.28000	.03170	-.00040	.00510	3.63070	.62840	9973.80005
.253	6.189	2.00000	7.98910	446.28000	.03100	-.00010	.00270	3.93030	.63490	9973.09998
.253	8.216	2.00000	7.99830	447.73000	.03120	-.00020	-.00110	4.28340	.64340	9972.40002
.253	10.642	2.00000	7.97500	445.56000	.03300	-.00030	-.00490	4.51810	.64800	9975.30005
	GRADIENT	.00000	-.00878	-.12588	.00033	-.00003	-.00043	.01352	.00022	-.37463

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0F5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 349/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-8.016	2.00000	7.94740	445.55000	.02940	-.00010	-.00480	-4.96120	.67340	9974.59998
.253	-5.546	2.00000	7.95630	447.00000	.02920	-.00020	.00910	-4.27920	.67880	9973.09998
.253	-.119	2.00000	7.93930	445.55000	.02900	.00000	.02200	-.88070	.80530	9973.19995
.253	2.719	2.00000	7.94160	446.27000	.02790	.00000	.02010	1.46200	.56780	9971.69995
.253	5.656	2.00000	7.93000	445.56000	.02900	.00000	.00930	3.49520	.62130	9975.30005
.252	7.188	2.00000	7.91200	444.11000	.02920	.00000	-.00020	4.36560	.63060	9978.90002
.252	8.903	2.00000	7.90620	444.12000	.02910	.00010	-.01080	4.86210	.63570	9981.69995
.252	11.150	2.00000	7.90490	444.13000	.02930	.00000	-.02630	5.02190	.63870	9983.09998
.253	13.354	2.00000	7.91510	445.58000	.02870	.00000	-.04170	4.82300	.63900	9983.09998
.251	16.625	2.00000	7.88040	441.96000	.03190	-.00010	-.06890	4.22420	.64350	9988.90002
.253	18.862	2.00000	7.90790	445.59000	.03410	.00010	-.08520	3.74090	.64720	9985.19995
	GRADIENT	.00000	.00081	.25369	-.00039	.00000	-.00067	.82545	-.08368	-.52854

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0F6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 351/ 0 RN/L = 7.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-22.863	2.00000	7.85550	446.28000	.03190	-.00030	.02300	2.42770	.58810	9973.09998
.253	-17.979	2.00000	7.86100	447.73000	.02860	.00010	.02000	2.72680	.60050	9973.69995
.253	-15.101	2.00000	7.85080	447.01000	.03000	-.00030	.01630	2.86000	.60640	9973.80005
.253	-10.031	2.00000	7.84110	446.28000	.02890	-.00020	.01390	3.04920	.61440	9975.30005
.253	-4.980	2.00000	7.84490	447.01000	.02870	.00000	.01150	3.22150	.61850	9974.50000
.253	-2.487	2.00000	7.84270	447.01000	.02800	-.00010	.01180	3.23990	.61910	9975.19995
.253	.113	2.00000	7.84150	447.01000	.02770	.00000	.01200	3.27050	.61960	9975.19995
.252	2.508	2.00000	7.82210	444.84000	.02940	-.00010	.01070	3.24750	.61960	9977.40002
.253	5.121	2.00000	7.83280	446.28000	.02980	-.00040	.01140	3.15100	.61880	9974.50000
.253	10.315	2.00000	7.82440	445.56000	.03120	-.00030	.01200	3.05930	.61610	9976.00000
	GRADIENT	.00000	-.00275	-.25687	.00007	-.00001	-.00009	.00440	.00015	.34434

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0F7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 369/ 0 RN/L = 7.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-8.004	3.00000	7.86240	438.97000	.03170	-.00010	-.00080	-4.64020	.68150	9958.69995
.252	-5.494	3.00000	7.87500	441.15000	.03100	.00000	.01410	-3.95320	.69020	9958.59998
.251	-.086	3.00000	7.84310	438.25000	.03190	-.00010	.02620	-.95910	.83940	9961.59998
.252	2.726	3.00000	7.87500	442.60000	.03090	.00000	.02380	1.12380	.50140	9957.80005
.252	5.618	3.00000	7.86370	442.61000	.03100	.00000	.01400	3.01020	.60280	9960.59998
.252	7.144	3.00000	7.85770	443.33000	.03080	-.00030	.00580	3.83130	.61830	9959.90002
.252	8.889	3.00000	7.85810	444.06000	.03020	-.00010	-.00420	4.33770	.62620	9959.80005
.252	11.088	3.00000	7.85340	444.06000	.02940	-.00010	-.01950	4.66740	.63180	9960.59998
.251	13.315	3.00000	7.82340	441.16000	.03120	.00000	-.03750	4.57030	.63350	9964.30005
.251	16.569	3.00000	7.80030	438.99000	.03300	.00030	-.06330	4.08630	.63870	9967.19995
.251	18.794	3.00000	7.78820	438.27000	.03590	.00010	-.08130	3.66940	.64330	9968.69995
	GRADIENT	.00000	.01134	1.54683	-.00036	.00004	-.00085	.74067	-.12019	-1.35115

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0F8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 8.000

RUN NO. 370/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-7.841	3.00000	7.80210	441.89000	.03250	.00000	-.00080	-4.60960	.68060	9963.50000
.251	-5.551	3.00000	7.79000	441.17000	.03220	.00000	.01210	-3.98130	.68910	9965.00000
.252	-.037	3.00000	7.80600	443.34000	.03100	-.00010	.02600	-.86770	.84850	9961.30005
.252	2.726	3.00000	7.79800	442.60000	.03080	.00000	.02350	1.19530	.51570	9959.19995
.251	5.525	3.00000	7.76990	439.71000	.03180	-.00030	.01290	3.08390	.60470	9962.90002
.252	7.194	3.00000	7.79330	442.60000	.03100	-.00020	.00460	3.89960	.61910	9958.50000
.252	8.848	3.00000	7.79070	442.60000	.03050	.00000	-.00540	4.42530	.62740	9957.80005
.252	11.104	3.00000	7.78190	441.88000	.03230	-.00020	-.02240	4.67050	.63250	9958.59998
.251	16.568	3.00000	7.76620	440.43000	.03390	-.00010	-.06480	4.10150	.63940	9960.09998
.250	18.611	3.00000	7.71380	434.63000	.03600	.00000	-.08110	3.71620	.64360	9966.09998
	GRADIENT	.00000	-.00290	-.26787	-.00007	.00004	-.00090	.74679	-.12047	-.76018

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0F9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 371/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-6.088	3.00000	7.74840	441.12000	.03280	-.00020	.00960	3.17640	.61750	9947.30005
.251	-4.134	3.00000	7.73830	440.38000	.03110	-.00020	.01380	3.01120	.60940	9945.90002
.251	-2.083	3.00000	7.72660	439.66000	.03090	-.00020	.01600	2.85150	.60250	9946.69995
.251	-1.032	3.00000	7.72540	439.66000	.03030	.00000	.01600	2.88230	.60160	9945.30005
.251	-.187	3.00000	7.72170	439.66000	.03050	.00000	.01620	2.85710	.60100	9948.09998
.251	.569	3.00000	7.72430	440.39000	.03080	.00000	.01490	2.93070	.59920	9948.80005
.251	1.064	3.00000	7.72260	440.40000	.03050	-.00020	.01470	2.97660	.60120	9950.19995
.251	2.071	3.00000	7.72080	440.40000	.03060	-.00010	.01440	2.99520	.60300	9950.19995
.251	3.133	3.00000	7.71860	440.40000	.03100	-.00020	.01280	3.07100	.60540	9952.30005
.251	4.144	3.00000	7.70420	438.95000	.03200	-.00020	.01090	3.16240	.61000	9953.80005
.251	6.172	3.00000	7.71560	440.40000	.03220	.00000	.00780	3.39080	.61910	9952.30005
.252	8.199	3.00000	7.71920	441.14000	.03260	-.00030	.00460	3.61370	.62940	9953.69995
.251	10.189	3.00000	7.71140	440.41000	.03400	.00000	.00100	3.81150	.63460	9955.09998
	GRADIENT	-.00000	-.00310	-.03771	.00007	-.00000	-.00040	.02479	.00012	1.02761

ARC 218-1-12 (OV102), NO SILTS POD (82Q0G0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 372/ 0 RN/L = 7.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.138	3.00000	7.69500	439.69000	.03220	-.00010	.01050	3.18420	.61720	9957.30005
.251	-4.098	3.00000	7.69970	440.42000	.03070	-.00020	.01430	3.00440	.60870	9957.19995
.251	-2.056	3.00000	7.68750	438.97000	.03040	-.00020	.01630	2.91080	.60490	9959.50000
.251	-1.027	3.00000	7.69140	439.70000	.02930	-.00010	.01750	2.87820	.60230	9958.69995
.251	-.208	3.00000	7.68480	438.97000	.03000	.00000	.01740	2.85050	.60330	9960.19995
.251	.512	3.00000	7.69480	440.43000	.03080	.00000	.01520	2.97020	.60200	9960.09998
.251	1.038	3.00000	7.66800	437.53000	.03120	.00000	.01400	3.03150	.60310	9963.09998
.251	2.086	3.00000	7.67850	438.98000	.03130	-.00020	.01450	2.97780	.60430	9962.30005
.251	3.143	3.00000	7.67880	438.98000	.03160	-.00030	.01300	3.06310	.60820	9963.00000
.251	4.131	3.00000	7.68920	440.43000	.03150	-.00020	.01260	3.10700	.61220	9962.19995
.251	6.165	3.00000	7.69000	440.43000	.03210	-.00020	.00900	3.33470	.62040	9962.90002
.251	8.195	3.00000	7.66920	438.26000	.03380	.00000	.00400	3.61390	.63000	9965.80005
.251	10.187	3.00000	7.67990	439.71000	.03350	-.00010	.00230	3.81820	.63370	9964.30005
	GRADIENT	.00000	-.00193	-.05239	.00019	-.00001	-.00039	.01900	.00040	.710+3

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0G1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 373/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-7.977	3.00000	7.66060	438.27000	.03050	.00010	.00120	-4.59240	.68010	9968.00000
.251	-5.513	3.00000	7.67750	440.44000	.03040	.00000	.01540	-3.87790	.68940	9965.69995
.251	-.063	3.00000	7.67010	439.72000	.03130	-.00020	.02740	-.85850	.85130	9966.50000
.251	2.730	3.00000	7.66980	439.72000	.03060	-.00010	.02480	1.17190	.51420	9965.80005
.251	5.052	3.00000	7.67430	440.44000	.02990	.00010	.01820	2.70690	.59860	9965.00000
.251	5.622	3.00000	7.67030	440.44000	.03050	.00000	.01500	3.03580	.60540	9965.00000
.251	7.180	3.00000	7.67530	441.16000	.03020	-.00010	.00650	3.82040	.61860	9964.30005
.251	8.893	3.00000	7.67440	441.17000	.02940	.00000	-.00320	4.33960	.62700	9965.00000
.251	11.099	3.00000	7.66760	440.44000	.02980	-.00010	-.01900	4.62060	.63220	9965.69995
.251	13.298	3.00000	7.64800	438.27000	.03210	-.00040	-.03740	4.53190	.63420	9968.69995
.250	16.539	3.00000	7.63160	436.83000	.03240	.00000	-.06220	4.08440	.63890	9972.30005
.249	18.780	3.00000	7.59820	433.20000	.03630	.00000	-.08140	3.66480	.64350	9976.69995
	GRADIENT	.00000	-.00011	.00000	-.00025	.00004	-.00093	.72709	-.12072	-.25065

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0G2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 368/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-22.892	3.00000	8.00390	442.64000	.03160	-.00010	.02840	2.15500	.57030	9972.59998
.251	-18.043	3.00000	7.97740	441.17000	.03170	-.00030	.02390	2.33320	.58000	9967.80005
.252	-14.934	3.00000	7.95690	441.85000	.03160	-.00020	.02140	2.41460	.58360	9951.50000
.252	-10.052	3.00000	7.94140	441.12000	.03120	-.00020	.01890	2.57640	.59270	9950.19995
.252	-4.919	3.00000	7.94210	441.84000	.03040	-.00010	.01820	2.64700	.59590	9948.00000
.252	-2.417	3.00000	7.93000	441.12000	.03080	.00000	.01700	2.68200	.59600	9948.69995
.252	.066	3.00000	7.93010	441.84000	.03050	.00010	.01740	2.67020	.59580	9948.00000
.252	2.556	3.00000	7.92340	441.85000	.03070	.00000	.01770	2.64630	.59530	9948.69995
.252	5.064	3.00000	7.91040	441.12000	.03070	.00000	.01760	2.64680	.59580	9948.69995
.251	10.099	3.00000	7.88370	438.94000	.03260	.00000	.01750	2.56510	.59310	9949.59998
	GRADIENT	-.00000	-.00225	.02995	.00002	.00002	-.00004	-.00055	-.00008	.05629

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0G3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 353/ 0 RN/L = 7.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-8.053	2.00000	7.82430	433.58000	.03730	-.00010	.01800	-3.61900	.70040	9854.59998
.251	-5.555	2.00000	7.83940	435.77000	.03670	-.00020	.03230	-3.03450	.71660	9858.69995
.251	-.097	2.00000	7.84150	436.51000	.03510	-.00010	.04680	-.82450	.92810	9864.30005
.251	2.697	2.00000	7.82470	435.07000	.03540	-.00010	.04410	.61040	.30740	9870.00000
.251	5.628	2.00000	7.81900	435.09000	.03460	-.00010	.03430	2.06510	.55570	9875.69995
.251	7.164	2.00000	7.82860	436.56000	.03430	-.00010	.02490	2.75540	.58390	9879.80005
.251	8.921	2.00000	7.81950	435.85000	.03320	.00010	.01530	3.27720	.59990	9886.19995
.251	11.113	2.00000	7.82230	436.59000	.03490	-.00010	-.00180	3.68390	.61140	9890.40002
.251	13.313	2.00000	7.81910	436.61000	.03470	.00010	-.01790	3.78350	.61700	9896.09998
.251	16.556	2.00000	7.80850	435.90000	.03580	.00010	-.04320	3.59000	.62660	9901.80005
.249	18.824	2.00000	7.76770	431.56000	.03980	-.00010	-.06120	3.29340	.63290	9911.19995
	GRADIENT	.00000	-.00601	-.51526	.00011	.00000	-.00097	.51344	-.22210	2.03950

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0G4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 359/ 0 RN/L = 4.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-7.878	3.00000	4.79540	266.02000	.03700	-.00010	.01990	-3.57190	.70080	5984.09998
.252	-5.456	3.00000	4.78990	266.04000	.03660	.00000	.03400	-2.95270	.71730	5991.20001
.253	-.084	3.00000	4.79860	267.51000	.03420	-.00010	.04870	-.76000	.94550	5995.29999
.252	2.669	3.00000	4.78730	266.80000	.03550	-.00010	.04430	.62790	.31780	6001.00000
.250	4.547	3.00000	4.74010	264.74000	.03510	-.00020	.03830	1.54300	.51750	6042.09998
.251	5.557	3.00000	4.77540	266.09000	.03420	.00000	.03570	2.07790	.55840	6008.79999
.251	7.057	3.00000	4.76500	265.38000	.03470	.00000	.02610	2.72700	.58430	6013.79999
.251	8.752	3.00000	4.76940	266.12000	.03400	-.00020	.01650	3.23350	.60020	6017.29999
.251	10.944	3.00000	4.76650	266.13000	.03350	-.00010	.00140	3.65230	.61130	6022.20001
.251	13.007	3.00000	4.75650	265.42000	.03430	.00000	-.01600	3.79500	.61730	6027.20001
.249	16.303	3.00000	4.72880	262.53000	.03760	-.00020	-.04380	3.62980	.62620	6034.40002
.249	18.505	3.00000	4.71840	261.82000	.03900	.00000	-.06080	3.37330	.63230	6040.09998
	GRADIENT	.00000	-.01200	-.57301	.00021	-.00002	-.00220	.49781	-.10244	9.51218

ARC 218-1-12 OA101 (OV102) NO SILTS, F.D. SEALED (B20065) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 360/ 0 RN/L = 5.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-7.856	3.00000	5.23200	280.68000	.03680	-.00010	.01920	-3.62680	.70090	6274.00000
.253	-5.464	3.00000	5.23840	282.15000	.03610	-.00010	.03380	-3.01000	.71650	6281.70001
.253	-.071	3.00000	5.23400	282.17000	.03570	-.00020	.04670	-.83220	.92640	6286.70001
.253	2.683	3.00000	5.22290	281.46000	.03460	-.00010	.04400	.55930	.26990	6292.40002
.253	5.521	3.00000	5.22550	282.20000	.03430	-.00020	.03500	1.98160	.54920	6297.20001
.252	7.027	3.00000	5.20960	280.77000	.03410	-.00010	.02570	2.69630	.57970	6303.70001
.253	8.700	3.00000	5.21420	281.50000	.03360	-.00010	.01600	3.21100	.59650	6307.20001
.252	10.903	3.00000	5.20330	280.79000	.03470	-.00010	-.00040	3.65720	.60930	6312.09998
.252	13.096	3.00000	5.20550	281.53000	.03380	-.00020	-.01510	3.76830	.61580	6317.00000
.251	16.257	3.00000	5.18240	279.37000	.03600	-.00010	-.04180	3.63500	.62500	6324.90002
.250	18.528	3.00000	5.16520	277.94000	.03840	-.00020	-.05970	3.36190	.63200	6331.40002
	GRADIENT	-.00000	-.00403	-.25789	-.00040	.00004	-.00098	.50543	-.23846	2.07042

ARC 218-1-12 (OV102), NO SILTS POD (B20066) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 8.000

RUN NO. 357/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-7.850	2.00000	7.71010	440.38000	.03690	-.00010	.01820	-3.63190	.70030	9944.50000
.251	-5.572	2.00000	7.70600	440.38000	.03730	-.00010	.03050	-3.06520	.71480	9944.50000
.251	-.084	2.00000	7.69160	438.93000	.03710	-.00030	.04380	-.78390	.93710	9946.00000
.252	2.703	2.00000	7.71490	441.83000	.03500	-.00020	.04320	.66410	.33830	9941.59998
.251	5.530	2.00000	7.69370	439.65000	.03580	-.00030	.03220	2.13750	.55910	9943.90002
.252	7.190	2.00000	7.70300	441.10000	.03470	.00000	.02450	2.77690	.58580	9941.69995
.251	8.862	2.00000	7.68990	439.65000	.03490	.00000	.01390	3.30370	.60210	9943.19995
.252	11.129	2.00000	7.69290	440.37000	.03610	-.00030	-.00300	3.68280	.61280	9941.69995
.251	13.340	2.00000	7.68520	439.65000	.03620	-.00010	-.01960	3.79060	.61910	9941.80005
.251	16.567	2.00000	7.67180	438.20000	.03680	-.00010	-.04420	3.58910	.62830	9943.90002
.250	18.670	2.00000	7.63620	434.57000	.03880	.00010	-.06100	3.33880	.63410	9947.69995
	GRADIENT	.00000	.00836	1.04051	-.00075	.00004	-.00022	.51954	-.21485	-1.57869

AMES 218-1-12 (OA101) - FORCE SOURCE DATA TABULATION

ARC 218-1-12 (OV102), NO SILTS POD

(B2Q0G7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO
SCALE =	.0500			

PARAMETRIC DATA

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

RUN NO. 354/ 0 .RN/L = 7.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-6.143	2.00000	7.81820	440.36000	.03660	-.00010	.02950	2.10860	.56710	9938.90002
.251	-4.104	2.00000	7.78060	440.52000	.03700	-.00010	.03160	2.02500	.55940	9991.09998
.251	-2.101	2.00000	7.80100	438.93000	.03530	-.00010	.03440	1.96430	.55100	9946.00000
.250	-1.062	2.00000	7.77550	436.79000	.03580	-.00010	.03390	1.95630	.54780	9958.19995
.251	-.223	2.00000	7.80440	440.42000	.03530	-.00010	.03490	1.92550	.54800	9959.40002
.251	.608	2.00000	7.79420	439.71000	.03600	-.00020	.03300	1.98230	.54750	9964.30005
.252	1.065	2.00000	7.81660	442.63000	.03320	.00000	.03510	2.01100	.54730	9966.30005
.251	2.089	2.00000	7.80030	441.18000	.03580	-.00020	.03230	2.04950	.55240	9970.59998
.251	3.175	2.00000	7.79870	441.19000	.03680	-.00020	.03090	2.07600	.55610	9974.09998
.251	4.162	2.00000	7.79070	440.48000	.03660	-.00040	.03000	2.09840	.55900	9977.00000
.251	6.226	2.00000	7.77040	438.31000	.03890	-.00030	.02540	2.21390	.56900	9982.09998
.251	8.227	2.00000	7.79260	441.22000	.03780	-.00020	.02210	2.43220	.58150	9981.90002
.251	10.229	2.00000	7.78600	440.50000	.03840	-.00030	.01940	2.54250	.58950	9984.80005
	GRADIENT	.00000	.00165	.24983	.00000	-.00003	-.00030	.01392	.00022	.44148

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0G8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 355/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.170	2.00000	7.77410	440.51000	.03740	-.00010	.02970	2.07200	.56560	9988.30005
.252	-4.195	2.00000	7.79000	442.67000	.03570	-.00010	.03370	1.98580	.55710	9983.19995
.251	-2.102	2.00000	7.75670	439.05000	.03510	.00010	.03530	1.94840	.55130	9985.59998
.251	-1.049	2.00000	7.75410	439.04000	.03570	-.00010	.03470	1.94750	.54930	9983.40002
.251	-.204	2.00000	7.76370	440.48000	.03480	.00000	.03550	1.96950	.55250	9979.09998
.251	.603	2.00000	7.76860	441.20000	.03540	-.00010	.03420	2.00220	.55080	9976.30005
.251	1.060	2.00000	7.74130	438.29000	.03580	-.00020	.03330	2.01050	.54930	9977.09998
.251	2.066	2.00000	7.74640	439.02000	.03650	-.00020	.03250	2.06070	.55610	9975.00000
.251	3.148	2.00000	7.75030	439.74000	.03580	-.00020	.03190	2.09450	.55920	9972.80005
.251	4.155	2.00000	7.74160	439.01000	.03710	-.00020	.02980	2.11810	.56210	9972.09998
.251	6.223	2.00000	7.74020	439.00000	.03860	-.00050	.02550	2.25690	.57320	9970.00000
.251	8.217	2.00000	7.75670	441.17000	.03740	-.00030	.02310	2.42120	.58420	9966.40002
.251	10.187	2.00000	7.73630	438.99000	.03860	-.00020	.01870	2.58250	.59240	9967.90002
	GRADIENT	.00000	-.00462	-.28794	.00016	-.00003	-.00052	.02014	.00082	-1.71275

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0G9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 356/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-8.052	2.00000	7.72910	439.68000	.03670	.00010	.01810	-3.63560	.69970	9954.50000
.251	-5.575	2.00000	7.73210	440.40000	.03590	.00020	.03310	-3.02290	.71520	9951.59998
.252	-.103	2.00000	7.74260	441.85000	.03510	.00000	.04680	-.79460	.93510	9949.40002
.252	2.702	2.00000	7.73370	441.12000	.03520	-.00020	.04340	.66440	.34040	9948.00000
.251	5.641	2.00000	7.72680	440.39000	.03520	-.00010	.03370	2.07060	.55710	9947.40002
.252	7.150	2.00000	7.73120	441.11000	.03390	.00000	.02690	2.69980	.58390	9946.59998
.252	8.881	2.00000	7.73060	441.11000	.03340	.00010	.01570	3.26680	.60060	9946.59998
.252	11.108	2.00000	7.72950	441.11000	.03300	.00000	.00080	3.66160	.61180	9946.59998
.251	13.298	2.00000	7.70830	438.94000	.03500	.00010	-.01760	3.77350	.61730	9948.90002
.251	16.562	2.00000	7.69570	437.49000	.03600	.00020	-.04270	3.57580	.62730	9950.40002
.250	18.821	2.00000	7.66180	433.86000	.03850	.00010	-.05990	3.29430	.63330	9954.09998
	GRADIENT	.00000	-.00317	-.26026	.00004	-.00007	-.00121	.52016	-.21202	-.49905

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0H0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 358/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-22.940	2.00000	7.67400	440.35000	.03530	.00000	.03720	1.80310	.54350	9934.69995
.252	-18.054	2.00000	7.67170	440.35000	.03510	.00010	.03640	1.85090	.54800	9933.19995
.251	-15.111	2.00000	7.65210	438.17000	.03580	-.00010	.03560	1.84220	.54780	9933.40002
.252	-10.020	2.00000	7.67440	441.06000	.03470	.00010	.03640	1.84350	.54630	9929.69995
.251	-4.888	2.00000	7.65460	438.89000	.03490	.00000	.03650	1.85340	.54560	9930.50000
.251	-2.487	2.00000	7.63980	437.43000	.03580	-.00010	.03600	1.82830	.54390	9929.19995
.251	.019	2.00000	7.64450	438.15000	.03490	.00000	.03620	1.84070	.54420	9927.69995
.251	2.641	2.00000	7.64930	438.87000	.03510	-.00010	.03630	1.83310	.54460	9926.30005
.251	5.140	2.00000	7.63680	437.42000	.03590	.00000	.03620	1.83140	.54580	9927.80005
.251	10.001	2.00000	7.62830	436.69000	.03560	.00000	.03590	1.84820	.54710	9927.09998
	GRADIENT	.00000	-.00041	.03008	-.00001	-.00001	-.00001	-.00190	-.00010	-.56191

ARC 218-1-12 (OV102), NO SILTS POD (82Q0H1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 4.500
AILRON = .000 BOFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 4.500

RUN NO. 366/ 0 RN/L = 4.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-7.433	3.00000	4.60110	257.25000	.03140	-.00010	.00260	-3.90450	.62520	5718.59998
.254	-5.311	3.00000	4.61360	258.70000	.03040	-.00040	.01340	-2.93210	.60860	5716.40002
.254	-2.104	3.00000	4.61370	258.70000	.02930	-.00010	.02310	-.83770	.48720	5715.70001
.254	.069	3.00000	4.61330	258.70000	.03020	-.00030	.02370	.85770	.82220	5715.70001
.255	2.263	3.00000	4.61980	259.42000	.02970	-.00030	.02140	2.46320	.70870	5714.20001
.254	4.472	3.00000	4.61340	258.69000	.02970	-.00030	.01490	3.72730	.68590	5714.90002
.253	6.482	3.00000	4.59470	256.52000	.02980	-.00020	.00530	4.52780	.67730	5716.50000
.253	8.881	3.00000	4.59510	256.52000	.02930	-.00020	-.00840	4.96330	.67160	5715.79999
.253	11.019	3.00000	4.59620	256.52000	.02910	-.00030	-.02340	4.98830	.66770	5715.79999
.251	13.204	3.00000	4.56380	252.89000	.03250	-.00010	-.04250	4.72930	.66450	5718.79999
.252	14.282	3.00000	4.57740	254.34000	.03060	-.00010	-.04940	4.57590	.66360	5717.29999
	GRADIENT	.00000	.00025	.03123	.00003	-.00003	-.00123	.69776	.02187	-.17767

RUN NO. 361/ 0 RN/L = 4.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.399	-7.431	3.00000	4.52220	381.89000	.03770	-.00030	-.00300	-4.03140	.63100	3428.29999
.399	-5.362	3.00000	4.51850	381.90000	.03700	-.00010	.00830	-3.10240	.61950	3431.10001
.399	-2.118	3.00000	4.52260	383.35000	.03700	-.00030	.01800	-.99770	.53280	3432.39999
.399	.063	3.00000	4.51500	382.63000	.03670	-.00030	.01950	.67810	.83440	3435.29999
.399	2.257	3.00000	4.51640	383.36000	.03640	-.00030	.01700	2.28440	.70490	3436.70001
.400	4.538	3.00000	4.51820	384.09000	.03560	-.00030	.01030	3.65970	.68320	3438.70001
.401	6.612	3.00000	4.52920	386.99000	.03410	.00000	.00130	4.54990	.67520	3440.50000
.401	8.990	3.00000	4.53110	387.73000	.03550	-.00020	-.01440	4.94950	.67030	3443.29999
.401	11.165	3.00000	4.53190	388.46000	.03590	-.00020	-.03030	4.95390	.66650	3445.29999
.402	13.400	3.00000	4.53350	389.19000	.03640	-.00020	-.04760	4.68290	.66360	3448.79999
.400	14.520	3.00000	4.51410	386.31000	.03860	-.00040	-.05860	4.50320	.66310	3454.79999
.399	15.582	3.00000	4.50680	385.60000	.03880	-.00010	-.06690	4.30360	.66310	3458.39999
.398	16.681	3.00000	4.49970	384.89000	.03950	.00000	-.07390	4.06940	.66340	3462.00000
.397	17.771	3.00000	4.48110	382.01000	.04060	-.00020	-.08190	3.82110	.66440	3468.00000
.394	18.901	3.00000	4.45750	378.40000	.04360	-.00020	-.08830	3.54790	.66470	3473.29999
	GRADIENT	.00000	-.00052	.13437	-.00020	-.00000	-.00116	.70253	.01426	.91528

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0H2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	4.500		

RUN NO. 365/ 0 RN/L = 4.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-7.446	3.00000	4.58760	256.56000	.02870	-.00020	.00060	-4.72040	.67260	5731.29999
.254	-5.382	3.00000	4.60210	258.01000	.02880	-.00020	.01110	-4.05780	.67730	5727.70001
.254	-2.229	3.00000	4.60180	258.00000	.02920	-.00040	.02040	-2.30590	.70010	5727.00000
.254	-.076	3.00000	4.60230	258.00000	.02780	.00000	.02340	-.68990	.82580	5725.59998
.254	2.152	3.00000	4.60840	258.72000	.02770	-.00020	.02160	1.14290	.55070	5724.09998
.254	4.372	3.00000	4.61030	258.72000	.02840	-.00030	.01510	2.80820	.61720	5723.40002
.254	6.381	3.00000	4.60330	257.99100	.02860	-.00020	.00610	3.95020	.63020	5723.50000
.254	8.722	3.00000	4.60490	257.99000	.02870	-.00030	-.00750	4.71960	.63780	5722.09998
.254	10.937	3.00000	4.61180	258.71000	.02710	.00000	-.02160	4.97000	.64070	5719.90002
.254	13.105	3.00000	4.60570	257.99000	.02840	-.00010	-.03860	4.81180	.64060	5720.59998
.252	14.159	3.00000	4.58030	255.09000	.03030	.00000	-.04910	4.69370	.64110	5722.90002
.252	15.192	3.00000	4.58060	255.09000	.03090	-.00020	-.05760	4.51340	.64230	5722.90002
.252	16.263	3.00000	4.57490	254.36000	.03200	-.00020	-.06630	4.29900	.64400	5723.70001
.252	17.359	3.00000	4.56820	253.63000	.03270	-.00030	-.07560	4.08490	.64590	5723.70001
.251	18.474	3.00000	4.56240	252.91000	.03290	-.00010	-.08370	3.85760	.64790	5724.50000
	GRADIENT	.00000	.00144	.13096	-.00011	.00000	-.00081	.77965	-.02394	-.55794

RUN NO. 362/ 0 RN/L = 4.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.402	-7.599	3.00000	4.47980	389.16000	.03540	-.00040	-.00550	-4.78270	.67550	3438.89999
.403	-5.526	3.00000	4.48500	390.62000	.03530	-.00030	.00580	-4.18720	.68160	3440.79999
.402	-2.257	3.00000	4.47670	389.90000	.03650	-.00030	.01560	-2.48280	.70490	3444.50000
.403	-.060	3.00000	4.48170	391.35000	.03440	-.00010	.01910	-.87010	.81530	3444.29999
.403	2.182	3.00000	4.48370	392.08000	.03370	-.00010	.01730	.98430	.51480	3444.89999
.404	4.410	3.00000	4.49000	393.53000	.03400	-.00020	.01080	2.70770	.60790	3444.79999
.403	6.499	3.00000	4.48040	392.10000	.03310	-.00010	.00150	3.97990	.62630	3450.60001
.402	8.855	3.00000	4.47380	391.38000	.03460	-.00040	-.01350	4.72980	.63560	3453.50000
.401	11.067	3.00000	4.46390	389.94000	.03510	-.00020	-.02990	4.94630	.63880	3457.20001
.400	13.312	3.00000	4.45330	388.51000	.03600	-.00020	-.04720	4.76060	.63950	3460.89999
.400	14.383	3.00000	4.44780	387.79000	.03540	-.00010	-.05550	4.62480	.64070	3463.79999
.398	15.454	3.00000	4.43060	384.91000	.03710	.00000	-.06580	4.44440	.64220	3469.10001
.396	16.577	3.00000	4.41230	382.02000	.03850	-.00010	-.07530	4.21050	.64450	3474.29999
.396	17.681	3.00000	4.40960	382.03000	.03890	-.00010	-.08260	3.95980	.64740	3475.79999
.394	18.830	3.00000	4.38780	378.42000	.04100	-.00020	-.08920	3.67510	.64900	3481.10001
	GRADIENT	.00000	.00188	.52220	-.00037	.00001	-.00073	.78345	-.02669	.06764

ARC 218-1-12 (OV102), NO SILTS POD (B2Q0H3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -5.000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 4.500

RUN NO. 364/ 0 RN/L = 4.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-7.524	3.00000	4.57990	255.85000	.02680	-.00020	.00090	-5.25530	.70500	5734.20001
.252	-5.557	3.00000	4.56860	256.65000	.02690	-.00020	.01170	-4.95710	.71630	5760.90002
.253	-2.350	3.00000	4.58250	258.10000	.02680	-.00020	.02290	-3.82420	.75230	5758.00000
.253	-.181	3.00000	4.58270	258.09000	.02600	-.00010	.02600	-2.49640	.82070	5755.90002
.254	2.034	3.00000	4.59710	258.02000	.02620	-.00010	.02480	-.69730	1.31690	5733.29999
.254	4.246	3.00000	4.59760	258.02000	.02640	-.00010	.01940	1.20370	.31640	5732.59998
.253	6.342	3.00000	4.57700	256.60000	.02710	-.00020	.01010	2.81830	.51700	5745.40002
.252	8.621	3.00000	4.57260	255.88000	.02790	-.00010	-.00310	4.02890	.57160	5744.70001
.252	10.796	3.00000	4.56670	255.15000	.02780	.00010	-.01780	4.62620	.59380	5744.09998
.252	12.971	3.00000	4.56800	255.14000	.02840	-.00020	-.03320	4.66300	.60420	5742.70001
.252	14.032	3.00000	4.56200	254.42000	.02920	-.00020	-.04210	4.59380	.60890	5742.70001
.251	15.058	3.00000	4.55030	252.97000	.03030	-.00020	-.05150	4.48090	.61320	5743.50000
.251	16.130	3.00000	4.54460	252.24000	.03160	-.00030	-.06060	4.30140	.61790	5743.59998
.251	17.224	3.00000	4.55840	253.69000	.03210	-.00020	-.06890	4.09300	.62260	5741.40002
.251	18.348	3.00000	4.55200	252.96000	.03220	-.00010	-.07770	3.88870	.62690	5741.40002
	GRADIENT	-.00000	.00272	-.01410	-.00004	.00001	-.00054	.76753	-.03715	-4.49359

RUN NO. 363/ 0 RN/L = 4.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.399	-7.716	3.00000	4.42760	387.85000	.03400	-.00030	-.00500	-5.22070	.70680	3483.70001
.399	-5.648	3.00000	4.42830	388.57000	.03340	.00000	.00670	-5.02100	.71800	3484.29999
.401	-2.414	3.00000	4.44230	391.47000	.03290	.00000	.01950	-3.89230	.75200	3482.60001
.400	-.217	3.00000	4.43770	390.75000	.03280	-.00030	.02190	-2.63780	.81850	3484.00000
.400	2.005	3.00000	4.43240	390.03000	.03310	-.00020	.02020	-.91360	1.18030	3485.50000
.400	4.249	3.00000	4.43150	390.03000	.03290	-.00030	.01520	.99390	.22330	3486.20001
.399	6.428	3.00000	4.42100	388.59000	.03320	-.00020	.00460	2.79150	.50660	3489.89999
.400	8.698	3.00000	4.43600	391.48000	.03230	-.00020	-.00720	4.02350	.56650	3488.20001
.400	10.950	3.00000	4.42750	390.04000	.03300	-.00010	-.02310	4.60060	.59180	3491.20001
.399	13.156	3.00000	4.42280	389.33000	.03440	-.00020	-.04030	4.63510	.60290	3494.10001
.398	14.246	3.00000	4.41690	388.61000	.03540	-.00010	-.04970	4.54900	.60800	3496.29999
.397	15.281	3.00000	4.39980	385.73000	.03770	-.00030	-.06010	4.41190	.61340	3500.89999
.396	16.378	3.00000	4.39020	384.29000	.03680	-.00010	-.06810	4.23850	.61850	3503.89999
.395	17.479	3.00000	4.38070	382.85000	.03750	-.00020	-.07610	4.00690	.62450	3506.79999
.392	18.660	3.00000	4.35540	378.52000	.04070	-.00030	-.08580	3.74520	.62840	3513.00000
	GRADIENT	.00000	-.00170	-.22658	.00001	-.00004	-.00066	.73791	-.05560	.55346

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (B2Q0H4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 374/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-4.419	1.00000	7.92270	430.88000	.02940	-.00040	.01970	-3.47170	.69580	9802.19995
.251	-2.347	1.00000	7.91970	431.62000	.02940	-.00020	.02630	-2.29210	.72240	9807.80005
.251	-.228	1.00000	7.94020	434.17000	.02800	-.00050	.03060	-.85970	.84650	9808.69995
.251	2.045	1.00000	7.91680	432.37000	.02840	-.00040	.02860	.79320	.45180	9813.40002
.250	4.209	1.00000	7.89790	430.56000	.02800	-.00030	.02270	2.31780	.58710	9817.40002
.250	6.501	1.00000	7.88880	430.21000	.02730	.00000	.01320	3.54380	.61550	9820.59998
.251	8.558	1.00000	7.89670	431.66000	.02630	-.00010	.00120	4.33790	.62700	9821.90002
.250	10.553	1.00000	7.87480	429.86000	.02710	.00000	-.01480	4.75120	.63210	9827.30005
.249	12.723	1.00000	7.85390	428.05000	.02840	-.00010	-.03110	4.65160	.63330	9830.59998
.250	15.045	1.00000	7.86430	429.88000	.02990	-.00020	-.04970	4.35230	.63600	9834.40002
.249	17.181	1.00000	7.84340	428.08000	.03120	-.00010	-.06590	3.96030	.64060	9839.09998
.250	19.408	1.00000	7.86960	431.72000	.03270	-.00010	-.08070	3.52140	.64580	9840.90002
.249	21.632	1.00000	7.82950	428.10000	.03550	-.00040	-.08850	3.04750	.65210	9848.19995
	GRADIENT	.00000	-.00247	-.00034	-.00017	.00000	.00037	.67784	-.02302	1.66295

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (B2Q0H5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 375/ 0 RN/L = 5.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.249	-4.365	1.00000	5.18970	275.84000	.02900	-.00030	.02420	-3.19190	.69340	6361.09998
.248	-2.198	1.00000	5.16050	275.56000	.02920	-.00030	.03060	-2.03930	.72150	6390.40002
.249	-.204	1.00000	5.16920	277.03000	.02850	-.00040	.03410	-.72480	.85650	6393.90002
.249	2.035	1.00000	5.17650	278.50000	.02830	-.00040	.03240	.81150	.47950	6399.40002
.250	4.193	1.00000	5.18490	279.96000	.02710	-.00010	.02780	2.17390	.59120	6402.20001
.250	6.460	1.00000	5.18400	280.34000	.02730	-.00010	.01770	3.31850	.61770	6406.00000
.250	8.510	1.00000	5.18280	280.71000	.02840	-.00040	.00480	4.03950	.62790	6409.20001
.250	10.487	1.00000	5.17220	279.99000	.02630	.00000	-.00740	4.43650	.63310	6413.50000
.249	12.631	1.00000	5.15200	278.19000	.02780	.00000	-.02410	4.42760	.63400	6418.90002
.248	14.890	1.00000	5.13780	277.11000	.02910	-.00010	-.04280	4.22760	.63630	6422.79999
.248	16.988	1.00000	5.12270	275.67000	.03230	-.00010	-.06160	3.91320	.64060	6427.79999
.250	19.230	1.00000	5.16130	280.40000	.03250	-.00010	-.07730	3.52760	.64470	6426.50000
.249	21.434	1.00000	5.15440	280.05000	.03500	-.00030	-.09120	3.13010	.65020	6431.09998
	GRADIENT	.00000	.00031	.52401	-.00022	.00001	.00041	.63629	-.02132	4.26470

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (P2Q0H6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 376/ 0 RN/L = 3.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.248	-4.362	1.00000	3.10260	162.92000	.02640	-.00030	.03060	-3.05600	.69220	3777.60001
.248	-2.330	1.00000	3.09670	163.68000	.02750	-.00030	.03580	-1.97140	.71760	3789.50000
.250	-.223	1.00000	3.11120	165.88000	.02810	-.00030	.03750	-.72250	.83620	3794.39999
.250	2.024	1.00000	3.10620	165.89000	.02770	-.00010	.03600	.71570	.46960	3797.89999
.250	4.169	1.00000	3.10230	165.90000	.02750	-.00030	.03100	2.02940	.59020	3801.39999
.250	6.029	1.00000	3.09890	165.91000	.02710	-.00020	.02430	2.98040	.61820	3804.89999
.249	8.445	1.00000	3.09270	165.55000	.02790	-.00010	.01000	3.83520	.63020	3807.39999
.249	10.425	1.00000	3.09360	165.92000	.02720	-.00010	-.00180	4.16610	.63550	3809.89999
.249	12.575	1.00000	3.08460	165.20000	.02900	-.00030	-.01870	4.20220	.63610	3812.70001
.249	14.792	1.00000	3.08480	165.57000	.02870	-.00010	-.03540	4.06120	.63810	3815.20001
.249	16.889	1.00000	3.07880	165.22000	.03060	-.00030	-.05350	3.80890	.64120	3817.70001
.248	19.088	1.00000	3.06700	164.13000	.03420	-.00020	-.07370	3.48650	.64560	3820.20001
.249	21.245	1.00000	3.07470	165.23000	.03280	-.00030	-.08510	3.13940	.64830	3821.20001
	GRADIENT	.00000	.00041	.379	.00011	.00001	.00003	.60071	-.02157	2.60138

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (B2Q0H7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 8.000

RUN NO. 377/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-4.242	1.00000	8.02180	431.16000	.02930	.00000	.01710	-3.58590	.69720	9772.90002
.251	-2.235	1.00000	8.02610	432.63000	.02730	.00010	.02480	-2.36370	.72500	9779.80005
.251	-.052	1.00000	8.00500	430.83000	.02910	-.00010	.02480	-.80090	.87560	9785.30005
.251	2.140	1.00000	7.99150	430.12000	.02860	-.00010	.02350	.93630	.46970	9791.59998
.251	4.309	1.00000	7.98950	430.49000	.02800	-.00020	.01830	2.50660	.58820	9794.09998
.251	6.622	1.00000	7.98590	430.88000	.02820	-.00010	.00740	3.82780	.61640	9800.80005
.250	8.689	1.00000	7.97050	429.80000	.02880	-.00030	-.00590	4.60050	.62780	9806.09998
.250	10.701	1.00000	7.96380	429.81000	.02790	.00000	-.01970	4.91580	.63160	9810.40002
.249	12.867	1.00000	7.93720	427.28000	.02820	-.00010	-.03530	4.78080	.63400	9815.80005
.249	15.126	1.00000	7.91980	425.85000	.02830	.00010	-.05310	4.48090	.63670	9821.50000
.248	17.333	1.00000	7.88910	422.95000	.03060	-.00010	-.07030	4.02640	.64090	9827.40002
.247	19.504	1.00000	7.85100	419.34000	.03250	.00020	-.08520	3.56460	.64650	9835.30005
.247	21.769	1.00000	7.85700	420.44000	.03550	.00010	-.09230	3.05700	.65210	9838.40002
	GRADIENT	.00000	-.00464	-.18184	-.00006	-.00003	.00004	.72145	-.02233	2.51952

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (B2Q0H8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 378/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.249	-4.169	1.00000	5.14670	273.04000	.02870	-.00010	.01770	-3.51320	.69470	6273.40002
.249	-2.206	1.00000	5.11900	272.76000	.02830	-.00010	.02490	-2.22560	.72250	6299.90002
.249	-.026	1.00000	5.11360	272.77000	.02800	-.00020	.02690	-.69080	.89060	6304.20001
.248	2.133	1.00000	5.09930	272.80000	.02760	-.00020	.02520	.98370	.49330	6316.09998
.248	4.289	1.00000	5.08260	271.36000	.02870	-.00010	.01800	2.54250	.59550	6319.79999
.248	6.545	1.00000	5.08480	272.10000	.02790	-.00040	.00850	3.78830	.61970	6323.20001
.248	8.596	1.00000	5.08040	272.11000	.02800	-.00010	-.00350	4.52400	.62970	6327.50000
.248	10.642	1.00000	5.07380	271.75000	.02690	.00010	-.01690	4.83390	.63400	6330.00000
.247	12.787	1.00000	5.06110	270.67000	.02740	-.00010	-.03310	4.75710	.63480	6333.90002
.247	14.959	1.00000	5.05200	269.95000	.02830	-.00010	-.05000	4.45060	.63770	6336.79999
.246	17.092	1.00000	5.04190	269.23000	.03010	-.00010	-.06770	4.07200	.64090	6340.40002
.245	19.272	1.00000	5.02190	267.43000	.03070	-.00010	-.08350	3.64800	.64530	6344.29999
.245	21.338	1.00000	5.01560	267.44000	.03230	.00020	-.09760	3.26080	.64960	6350.00000
	GRADIENT	.00000	-.00693	-.15671	-.00003	-.00000	.00002	.72114	-.02039	5.09408

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (B2Q0H9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 379/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.250	-4.132	1.00000	3.02510	160.83000	.02760	.00000	.02000	-3.38650	.69060	3682.79999
.250	-2.150	1.00000	3.01550	161.96000	.02710	-.00010	.02570	-2.16040	.71720	3698.60001
.250	-.021	1.00000	3.00650	161.24000	.02760	.00010	.02650	-.64640	.89080	3700.79999
.250	2.142	1.00000	3.00820	161.61000	.02660	-.00010	.02570	1.03160	.50670	3701.79999
.249	4.272	1.00000	2.99630	160.53000	.02810	.00000	.01860	2.56370	.59840	3704.29999
.249	6.503	1.00000	3.00140	161.26000	.02880	.00000	.00730	3.83900	.62310	3705.00000
.249	8.555	1.00000	2.99990	161.26000	.02650	.00020	-.00230	4.55620	.63220	3705.70001
.249	10.572	1.00000	2.99740	161.26000	.02700	.00010	-.01600	4.81300	.63640	3707.79999
.249	12.718	1.00000	2.98930	160.54000	.02810	.00000	-.03270	4.73590	.63760	3709.29999
.248	14.877	1.00000	2.98480	160.18000	.02710	.00010	-.04870	4.48060	.63950	3711.10001
.249	17.007	1.00000	2.98650	160.55000	.02850	.00010	-.06570	4.08630	.64260	3711.39999
.248	19.170	1.00000	2.98180	160.19000	.02990	.00000	-.08380	3.69730	.64600	3713.20001
.248	21.146	1.00000	2.97710	159.83000	.03180	.00030	-.09880	3.34050	.64740	3715.00000
	GRADIENT	.00000	-.00307	-.04702	.00002	.00000	-.00015	.71569	-.01904	2.16808

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (B2Q010) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 332/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-8.047	2.00000	8.03150	439.62000	.03100	-.00020	.02090	-3.57780	.66740	9931.90002
.252	-5.534	2.00000	8.04190	442.51000	.03030	-.00010	.03360	-2.95940	.67130	9926.09998
.252	-.096	2.00000	8.02550	441.78000	.02860	-.00010	.04330	-.53640	.78090	9926.09998
.251	2.738	2.00000	7.99400	439.60000	.02940	-.00020	.03830	1.12810	.59400	9927.59998
.252	5.631	2.00000	8.00080	441.78000	.02850	.00000	.02760	2.68760	.62650	9926.09998
.253	7.207	2.00000	8.01280	443.96000	.02720	.00000	.01920	3.40490	.63280	9924.59998
.252	8.929	2.00000	7.99150	442.51000	.02740	-.00010	.00870	3.88260	.63690	9926.09998
.252	11.133	2.00000	7.96480	440.33000	.02860	-.00020	-.00710	4.15040	.63810	9927.59998
.252	13.338	2.00000	7.96480	441.05000	.02890	-.00020	-.02260	4.11440	.63850	9926.80005
.251	16.616	2.00000	7.92450	437.43000	.03110	.00000	-.04770	3.75650	.64220	9929.90002
.250	18.833	2.00000	7.89130	434.53000	.03310	.00010	-.06550	3.44990	.64370	9932.19995
	GRADIENT	.00000	-.01112	-.76926	.00028	-.00004	-.00176	.58735	-.06595	.52926

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (B2Q011) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 8.000

RUN NO. 335/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-7.821	2.00000	7.78460	445.41000	.02900	.00010	.02250	-3.56160	.66520	9925.90002
.254	-5.575	2.00000	7.79520	446.87000	.02980	-.00010	.03280	-2.93410	.66830	9925.80005
.254	-.053	2.00000	7.80000	447.59000	.02870	-.00010	.04220	-.39210	.79220	9925.80005
.253	2.742	2.00000	7.78710	446.15000	.02900	-.00010	.03730	1.31720	.61130	9929.40002
.253	5.561	2.00000	7.78470	446.15000	.02890	.00000	.02620	2.84710	.63200	9929.40002
.254	7.227	2.00000	7.79580	447.60000	.02900	-.00030	.01700	3.51940	.63740	9927.90002
.254	8.926	2.00000	7.79520	447.60000	.02980	-.00030	.00570	3.97440	.64070	9929.30005
.254	11.194	2.00000	7.80060	448.33000	.02900	-.00030	-.00830	4.19130	.64170	9929.19995
.253	13.413	2.00000	7.77360	445.43000	.03100	-.00010	-.02610	4.14380	.64170	9933.00000
.252	16.690	2.00000	7.74010	441.82000	.03450	-.00050	-.05300	3.77210	.64460	9938.80005
.251	18.708	2.00000	7.71410	438.92000	.03610	-.00030	-.06670	3.44570	.64700	9942.50000
	GRADIENT	.00000	-.00462	-.51535	.00011	-.00000	-.00175	.61173	-.06474	1.28844

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (B2Q012) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 336/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-6.175	2.00000	7.77030	446.17000	.02950	.00000	.02400	2.90450	.64530	9935.69995
.253	-4.181	2.00000	7.76230	445.44000	.02920	.00000	.02620	2.80930	.63920	9936.50000
.254	-2.120	2.00000	7.78070	447.61000	.02860	-.00010	.02810	2.72580	.63420	9933.50000
.253	-1.042	2.00000	7.76080	445.44000	.02880	-.00020	.02800	2.73080	.63220	9935.80005
.253	-.205	2.00000	7.74720	443.99000	.02890	.00000	.02900	2.65590	.63170	9937.30005
.253	.591	2.00000	7.75890	445.45000	.02900	-.00020	.02740	2.75150	.63020	9937.19995
.253	1.060	2.00000	7.75710	445.45000	.02900	.00000	.02670	2.78640	.63060	9937.19995
.253	2.111	2.00000	7.74910	444.72000	.02940	-.00020	.02650	2.80630	.63150	9936.50000
.253	3.180	2.00000	7.75510	445.44000	.02980	-.00020	.02510	2.86920	.63390	9935.09998
.253	6.251	2.00000	7.75190	445.43000	.03120	-.00030	.02120	2.99310	.64260	9933.00000
.253	8.264	2.00000	7.73880	443.98000	.03130	-.00010	.01670	3.26330	.65010	9933.00000
.253	10.266	2.00000	7.73860	443.98000	.03260	-.00010	.01450	3.36160	.65320	9932.30005
	GRADIENT	.00000	-.00242	-.14845	.00009	-.00002	-.00019	.00998	-.00082	.08713

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (820013) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 337/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-6.109	2.00000	7.71310	441.79000	.03140	-.00010	.02300	3.65190	.69500	9928.19995
.252	-4.181	2.00000	7.71880	442.51000	.03050	.00000	.02570	3.55580	.69150	9926.09998
.251	-2.105	2.00000	7.69380	439.61000	.02990	.00000	.02810	3.46070	.68870	9929.09998
.253	-1.040	2.00000	7.72560	443.23000	.02960	.00000	.02840	3.45310	.68800	9925.30005
.252	-.222	2.00000	7.71820	442.51000	.03040	-.00020	.02840	3.41420	.68790	9926.09998
.252	.609	2.00000	7.71570	442.51000	.03030	-.00010	.02710	3.49290	.68580	9926.09998
.252	1.064	2.00000	7.71570	442.51000	.02990	-.00030	.02720	3.50250	.68600	9927.50000
.253	2.123	2.00000	7.71980	443.24000	.03120	-.00040	.02550	3.52390	.68650	9927.40002
.252	3.161	2.00000	7.70080	441.07000	.03210	-.00040	.02430	3.57640	.68740	9930.40002
.253	4.153	2.00000	7.71950	443.24000	.03300	-.00070	.02280	3.60670	.68930	9928.09998
.252	6.251	2.00000	7.71300	442.52000	.03420	-.00040	.01930	3.76210	.69170	9929.59998
.252	8.264	2.00000	7.71000	442.52000	.03390	-.00040	.01570	3.95310	.69640	9929.59998
.252	10.280	2.00000	7.70470	441.79000	.03460	-.00010	.01350	4.05860	.69770	9931.09998
	GRADIENT	.00000	.00009	.11369	.00032	-.00008	-.00046	.01124	-.00034	.29579

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (B2Q014) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 333/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.252	-35.127	2.00000	7.91680	441.08000	.02940	-.00030	.10460	-1.69770	.97010	9933.90002
.252	-29.981	2.00000	7.91070	441.82000	.02770	-.00020	.09870	-1.79170	.97890	9940.90002
.253	-25.059	2.00000	7.92500	444.72000	.02670	-.00020	.08640	-2.37490	.95890	9937.90002
.253	-20.101	2.00000	7.92340	445.45000	.02520	-.00020	.06960	-2.15830	1.01290	9937.90002
.253	-15.026	2.00000	7.90420	444.00000	.02430	.00000	.05540	-1.33340	1.19600	9938.69995
.253	-9.992	2.00000	7.90110	444.72000	.02500	.00010	.04340	-.11470	17.09500	9937.90002
.253	-4.971	2.00000	7.89930	445.45000	.02700	-.00010	.03490	1.25620	.43060	9937.19995
.253	-.025	2.00000	7.89640	446.17000	.02810	.00000	.03060	2.44750	.62690	9935.00000
.253	5.011	2.00000	7.88700	446.16000	.02990	.00000	.02990	3.23570	.68840	9933.59998
.253	9.994	2.00000	7.85400	443.26000	.03270	-.00030	.03300	3.67970	.72200	9934.50000
.253	14.991	2.00000	7.85900	444.71000	.03390	-.00020	.04220	3.84610	.74260	9932.30005
.252	20.163	2.00000	7.83230	442.53000	.03640	-.00020	.05550	3.77670	.75570	9932.40002
	GRADIENT	.00000	-.00059	.14557	.00022	.00002	-.00087	.24087	.03969	-.44477

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (B2Q015) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 334/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-11.738	2.00000	7.83550	444.68000	.03230	-.00040	.03110	2.12180	.59930	9923.09998
.253	-7.931	2.00000	7.83280	444.67000	.03170	-.00040	.03030	2.22530	.60850	9919.59998
.253	-5.893	2.00000	7.81650	443.96000	.03110	-.00030	.03010	2.27900	.61430	9927.40002
.253	-2.934	2.00000	7.82410	445.42000	.02880	-.00010	.03050	2.38960	.62180	9927.30005
.253	-.030	2.00000	7.80970	443.97000	.02930	-.00010	.02910	2.48580	.62910	9930.19995
.253	3.013	2.00000	7.80670	443.98000	.02830	-.00010	.02970	2.56890	.63770	9931.59998
.253	5.970	2.00000	7.79970	443.26000	.02900	-.00020	.02890	2.62900	.64600	9933.80005
.253	7.970	2.00000	7.81510	445.43000	.02780	.00010	.02990	2.68740	.65120	9932.30005
.253	12.150	2.00000	7.80740	444.71000	.02860	-.00020	.02990	2.76280	.66220	9933.69995
.253	16.370	2.00000	7.80520	444.71000	.03050	-.00040	.03040	2.79100	.67340	9934.40002
.253	22.500	2.00000	7.79490	443.99000	.03310	-.00030	.03230	2.80490	.68770	9935.90002
	GRADIENT	.00000	-.00291	-.24017	-.00009	.00000	-.00013	.03013	.00267	.72094

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (B2Q016) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 338/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-7.894	2.00000	5.08140	280.66000	.03060	-.00020	.02250	-3.53860	.66770	6267.70001
.253	-5.452	2.00000	5.08260	281.40000	.02970	-.00010	.03530	-2.89620	.67200	6274.00000
.253	-.101	2.00000	5.08500	282.14000	.02860	-.00010	.04410	-.49790	.78900	6278.20001
.254	2.696	2.00000	5.08740	282.88000	.02790	-.00020	.03990	1.13630	.59480	6281.70001
.253	5.608	2.00000	5.08220	282.89000	.02880	-.00030	.02760	2.75010	.62590	6286.59998
.253	7.115	2.00000	5.07950	282.91000	.02840	-.00010	.01890	3.41520	.63210	6290.79999
.253	8.793	2.00000	5.06440	281.47000	.02870	-.00020	.00860	3.86760	.63600	6295.90002
.253	10.989	2.00000	5.06060	281.48000	.02870	-.00010	-.00600	4.14880	.63810	6299.40002
.253	13.169	2.00000	5.06480	282.21000	02880	-.00030	-.02140	4.12970	.63830	6302.20001
.251	16.313	2.00000	5.03610	279.33000	.03120	-.00010	-.04800	3.84770	.64160	6309.40002
.251	18.553	2.00000	5.02110	277.89000	.03400	-.00020	-.06820	3.55090	.64360	6313.70001
	GRADIENT	.00000	.00086	.26458	-.00025	-.00004	-.00150	.58429	-.06943	1.25137

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (B2Q017) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 341/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-7.746	2.00000	4.99100	279.49000	.03020	-.00020	.02230	-3.55030	.66760	6363.70001
.251	-5.471	2.00000	5.00380	280.94000	.02960	-.00020	.03380	-2.93750	.67170	6362.20001
.251	-.050	2.00000	5.00290	280.94000	.02870	-.00020	.04250	-.45900	.80550	6362.20001
.251	2.715	2.00000	5.00950	281.66000	.02760	-.00010	.03870	1.19940	.59740	6360.79999
.251	5.490	2.00000	5.00230	280.93000	.02960	-.00040	.02620	2.72820	.62580	6361.50000
.251	7.166	2.00000	4.99590	280.21000	.02920	-.00040	.01730	3.48250	.63260	6362.29999
.251	8.799	2.00000	5.00890	281.66000	.02910	-.00040	.00710	3.91630	.63740	6361.50000
.251	11.017	2.00000	5.00860	281.66000	.02990	-.00060	-.00850	4.19480	.63900	6361.50000
.247	13.238	2.00000	4.91950	271.58000	.03740	-.00050	-.03160	4.17270	.63920	6372.59998
.250	16.380	2.00000	4.98250	278.76000	.03340	-.00050	-.05230	3.87430	.64250	6365.20001
.249	18.399	2.00000	4.96960	277.32000	.03520	-.00050	-.06690	3.54790	.64540	6367.40002
	GRADIENT	.00000	.00239	.26044	-.00040	.00004	-.00137	.59987	-.07527	-.50636

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (82Q018) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 342/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-5.379	2.00000	4.99520	280.22000	.02850	-.00010	.03100	-3.02680	.66940	6364.40002
.251	.010	2.00000	4.98760	279.49000	.03030	-.00030	.03810	-.34010	.80940	6365.20001
.251	2.163	2.00000	5.00120	280.94000	.02880	-.00030	.03630	1.00680	.59880	6363.70001
.251	5.500	2.00000	4.99330	280.22000	.03080	-.00040	.02310	2.87610	.63230	6364.40002
.251	6.630	2.00000	5.00000	280.94000	.03080	-.00050	.01740	3.34190	.63610	6363.70001
.251	8.773	2.00000	4.99320	280.22000	.03070	-.00040	.00370	4.03630	.64010	6365.09998
.251	11.015	2.00000	4.99290	280.22000	.03140	-.00050	-.01230	4.30000	.64300	6364.40002
.250	13.150	2.00000	4.98640	279.49000	.03080	-.00040	-.02720	4.26560	.64370	6365.90002
.250	16.321	2.00000	4.98070	278.77000	.03130	-.00020	-.05070	3.90190	.64450	6367.29999
	GRADIENT	.00000	.00632	.67351	-.00070	.00000	-.00084	.62562	-.09782	-.69677

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (82Q019) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 343/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-6.219	2.00000	4.99180	280.22000	.02940	-.00010	.02520	2.79070	.63800	6365.79999
.251	-4.167	2.00000	4.99230	280.22000	.02860	-.00020	.02800	2.66600	.63270	6365.79999
.251	-2.071	2.00000	4.99840	280.94000	.02730	.00000	.02980	2.62620	.62900	6364.40002
.251	-1.044	2.00000	4.99790	280.94000	.02750	-.00030	.02990	2.58660	.62740	6364.40002
.250	-.203	2.00000	4.98480	279.49000	.02850	-.00040	.02950	2.56850	.62680	6365.90002
.251	.618	2.00000	4.99710	280.94000	.02740	-.00030	.02930	2.63780	.62430	6365.09998
.250	1.067	2.00000	4.98430	279.49000	.02860	-.00020	.02740	2.68070	.62440	6366.59998
.249	2.082	2.00000	4.96550	277.32000	.03050	-.00050	.02630	2.67580	.62580	6368.79999
.249	3.146	2.00000	4.96490	277.32000	.02820	-.00030	.02770	2.70810	.62740	6368.09998
.251	4.176	2.00000	4.99660	280.94000	.03150	-.00050	.02410	2.73040	.62960	6365.09998
.252	6.198	2.00000	5.02230	283.84000	.03150	-.00040	.02210	2.87610	.63510	6362.79999
.252	8.208	2.00000	5.02260	283.85000	.03070	-.00020	.01990	3.04890	.64090	6363.50000
.253	10.181	2.00000	5.02810	284.57000	.03150	-.00010	.01790	3.14040	.64700	6363.40002
	GRADIENT	.00000	-.00233	-.23527	.00032	-.00004	-.00049	.01193	-.00046	.26626

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (B2Q0J0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 344/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.253	-6.148	2.00000	5.03220	285.31000	.03030	-.00010	.02590	3.48870	.69050	6366.20001
.252	-4.184	2.00000	5.01910	283.86000	.03060	-.00020	.02740	3.41960	.68760	6368.40002
.252	-2.067	2.00000	5.01900	283.86000	.03030	-.00040	.02820	3.35860	.68620	6369.09998
.252	-1.042	2.00000	5.01810	283.86000	.02850	-.00010	.03030	3.31110	.68610	6369.79999
.252	-.222	2.00000	5.01720	283.87000	.02900	-.00010	.03020	3.33020	.68440	6370.50000
.252	.613	2.00000	5.01020	283.15000	.03080	-.00040	.02770	3.36840	.68260	6372.70001
.252	1.064	2.00000	5.01610	283.87000	.03060	-.00030	.02690	3.42910	.68240	6372.70001
.252	2.089	2.00000	5.01510	283.88000	.03120	-.00040	.02600	3.42420	.68400	6374.09998
.252	3.147	2.00000	5.01460	283.88000	.03230	-.00050	.02500	3.46030	.68420	6374.79999
.252	4.155	2.00000	5.01490	283.88000	.03280	-.00060	.02410	3.49030	.68580	6375.50000
.252	6.203	2.00000	5.01360	283.88000	.03320	-.00050	.02150	3.60110	.68860	6376.20001
.252	8.213	2.00000	5.00700	283.16000	.03440	-.00050	.01790	3.73280	.69110	6378.29999
.252	10.181	2.00000	5.01250	283.89000	.03430	-.00020	.01680	3.81220	.69390	6378.29999
	GRADIENT	.00000	-.00066	.00018	.00034	-.00005	-.00054	.01360	-.00035	.96707

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (B2Q0J1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 340/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-25.071	2.00000	5.01530	280.90000	.02580	-.00030	.08820	-2.17100	.97760	6348.79999
.251	-20.094	2.00000	5.01420	280.90000	.02470	-.00030	.07050	-2.08020	1.02290	6350.90002
.251	-15.046	2.00000	5.01240	280.91000	.02350	-.00010	.05650	-1.24680	1.22880	6352.40002
.252	-10.019	2.00000	5.01650	281.64000	.02430	-.00010	.04470	-.07190	-40.93100	6353.70001
.251	-4.973	2.00000	5.00950	280.92000	.02620	-.00010	.03590	1.25970	.42950	6355.90002
.251	.003	2.00000	5.00870	280.92000	.02930	-.00020	.03040	2.43670	.62600	6355.90002
.252	5.034	2.00000	5.01400	281.65000	.03000	-.00030	.03020	3.17420	.68670	6356.59998
.251	9.984	2.00000	5.00070	280.20000	.03210	-.00020	.03470	3.62100	.72070	6359.50000
.251	14.781	2.00000	4.99950	280.20000	.03370	-.00030	.04260	3.78430	.74030	6359.50000
.251	20.163	2.00000	4.99850	280.20000	.03500	-.00030	.05700	3.71120	.75520	6360.90002
	GRADIENT	.00000	-.00016	.00000	.00062	-.00002	-.00111	.23654	.03949	.00000

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (B2Q0J2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 339/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
.251	-11.730	2.00000	5.02840	280.10000	.03220	-.00030	.03090	2.09950	.59450	6326.29999
.251	-8.008	2.00000	5.02610	280.11000	.03130	-.00020	.03030	2.22990	.60580	6328.40002
.252	-5.882	2.00000	5.03140	280.84000	.03060	-.00030	.03060	2.26030	.61090	6329.79999
.252	-2.998	2.00000	5.04190	282.30000	.02850	-.00020	.03130	2.34580	.61810	6330.40002
.252	.119	2.00000	5.03450	281.58000	.02790	-.00020	.03150	2.41160	.62610	6334.70001
.252	3.013	2.00000	5.03230	281.59000	.02760	-.00020	.03130	2.50270	.63400	6336.09998
.252	6.030	2.00000	5.03040	281.59000	.02730	-.00010	.03130	2.56650	.64240	6338.20001
.252	7.951	2.00000	5.03610	282.32000	.02710	-.00020	.03150	2.62500	.64880	6338.90002
.251	12.037	2.00000	5.02120	280.88000	.02870	-.00040	.03060	2.69150	.65900	6341.79999
.252	16.424	2.00000	5.03260	282.33000	.02880	-.00040	.03290	2.73350	.67090	6341.00000
.251	22.500	2.00000	5.01860	280.89000	.03310	-.00040	.03290	2.73670	.68470	6345.29999
	GRADIENT	.00000	-.00161	-.11956	-.00015	.00000	.00000	.02604	.00264	.95378

ARC 218-1-12 OA101 (OV102) (C2Q001) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 172/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-7.765	.02590	-.02970	.02980	-.01010	25.00000	.05670	-.00070	-.05870	.01080	.04880
.251	-5.357	.02630	.01490	.01010	.01980	25.00000	.01890	.01930	.01060	.03080	-.01060
.252	-.068	.02660	-.02760	.02790	.01980	25.00000	.02840	-.01660	-.03860	.00640	.04930
.251	2.087	.02700	-.01570	-.00950	.03960	25.00000	.03780	-.02680	-.00450	-.00380	-.01510
.251	4.274	.02690	-.00070	.01570	.00000	25.00000	.00950	.00350	-.00490	.02650	.00490
.251	5.652	.02880	-.04040	.02080	.00000	25.00000	.04730	-.01220	-.06850	.02230	.01940
.251	6.588	.03600	-.02980	.01010	-.09060	25.00000	.04730	-.00570	-.05390	.00570	.01450
.251	7.693	.04460	-.02320	.00300	.00990	25.00000	.03780	-.02680	-.01960	-.00380	.00970
.251	8.804	.05300	-.05050	-.00390	.07920	25.00000	.00950	-.02750	-.07350	.00700	-.01490
.250	9.855	.06110	-.06030	.02040	-.01010	25.00000	.01890	-.03260	-.08810	.00190	.03890
.251	10.963	.06970	-.05900	.01370	-.02010	25.00000	.01890	-.05940	-.05870	-.00190	.02620
.251	11.992	.07740	-.02890	.01360	.00990	25.00000	.00950	-.03830	-.01950	.00770	.01950
.251	13.139	.08630	-.02860	.01390	.00000	25.00000	.01890	-.02300	-.03430	.02300	.00480
.251	15.152	.10150	-.03960	.02430	.00000	25.00000	.02840	-.04980	-.02930	.01920	.02930
.249	17.287	.11760	-.04180	-.00320	.00000	25.00000	.04730	-.04920	-.03430	.00830	-.01480
.251	18.433	.12560	-.02620	.02130	.00000	25.00000	.01890	-.02300	-.02930	.02300	.01950
	GRADIENT	.00007	.00620	-.00277	-.00459	-.00000	-.00437	.00465	.00774	.00465	-.01018

ARC 218-1-12 OA101 (OV102) (C2Q002) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 184/ 0 RN/L = 7.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-8.036	-.00940	-.05880	.06390	.00000	25.00000	.04730	.01430	-.13190	.00570	.12210
.251	-5.355	-.00350	.05280	-.06280	.00000	25.00000	.11350	-.01110	.11670	-.01960	-.10600
.250	-.092	.01230	-.03220	-.00290	-.01010	25.00000	.07560	-.02040	-.04410	-.02040	.01460
.250	2.130	.01950	-.04400	.01950	-.02010	25.00000	.08510	.00000	-.08810	.00000	.03890
.250	2.865	.02170	-.06140	.05160	-.03020	25.00000	.07560	.00930	-.13200	.00070	.10250
.251	3.958	.02410	-.04150	.04650	-.13090	25.00000	.03780	.00500	-.08790	.00500	.08790
.250	4.416	.02600	.02660	-.03170	-.05030	25.00000	.12290	-.00510	.05830	-.00510	-.05830
.250	5.087	.02770	.05050	-.08100	.00000	25.00000	.09460	-.02130	.12240	-.02980	-.13220
.250	5.689	.02560	-.04440	.02950	.00000	25.00000	.08510	-.00090	-.08800	-.00940	.06830
.251	6.583	.02240	.01980	-.05970	.02970	25.00000	.05670	-.01530	.05500	-.01530	-.10410
.250	7.737	.01950	-.06400	.00930	-.02010	25.00000	.05670	-.01530	-.11260	-.01530	.03400
.251	8.916	.01490	.00200	-.06160	.00000	25.00000	.07560	-.01530	.01940	-.01530	-.10790
.251	10.007	.01200	.09050	-.10580	-.01010	25.00000	.06620	-.01530	.19620	-.01530	-.19620
.252	10.781	.00890	-.01490	-.00510	-.09060	25.00000	.06620	-.01020	-.01960	-.01020	-.00010
.251	11.111	.00820	.05100	-.07100	.00000	25.00000	.04730	-.01020	.11210	-.01020	-.13180
.251	12.097	.00470	.00670	-.05170	-.02010	25.00000	.08510	-.02040	.03380	-.02040	-.08290
.251	13.302	.00120	-.05650	.04120	-.03020	25.00000	.04730	-.01530	-.09770	-.01530	.09770
.250	15.376	-.00560	-.03710	.01670	-.01010	25.00000	.12290	-.02040	-.05370	-.02040	.05370
.250	17.601	-.01250	-.06420	.03350	.08910	25.00000	.15130	-.03060	-.09770	-.03060	.09770
.250	18.700	-.01610	-.00740	-.01800	-.06040	25.00000	.03780	-.02040	.00570	-.02040	-.01550
	GRADIENT	.00298	.00723	.00105	-.01793	.00000	.00230	.00438	.01011	.00424	-.00215

ARC 218-1-12 0A101 (0V102) (C2Q003) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 191/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.081	-5.20580	.01370	-.03890	-.05030	25.00000	.05670	-.02110	.04850	-.00960	-.06820
.251	-4.127	-5.39830	-.05150	.01140	.00000	25.00000	.10400	-.04920	-.05390	.00830	.01450
.252	-2.096	-5.47370	-.03560	.02560	.07920	25.00000	.04730	-.02240	-.04890	.01210	.03910
.251	-.014	-5.49130	-.01280	-.02780	-.01010	25.00000	.04730	-.04720	.02160	-.02420	-.03140
.251	1.956	-5.28840	.00060	-.04050	-.04030	25.00000	.05670	-.03260	.03380	.00190	-.08290
.252	4.032	-5.26020	.08470	-.10490	-.03020	25.00000	.09460	-.03260	.20190	.00190	-.21170
.251	6.003	-5.35410	.07620	-.07090	-.09060	25.00000	.02840	-.01720	.16970	.01720	-.15910
.251	7.224	-5.27200	-.01710	-.04320	-.02010	25.00000	.06620	-.04150	.00720	-.03000	-.05640
	GRADIENT	.02254	.01517	-.01468	-.00883	.00000	-.00046	.00112	.02922	-.00115	-.02821

ARC 218-1-12 0A101 (0V102) (C2Q004) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 192/ 0 RN/L = 7.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.198	.05450	.05840	-.07860	-.03020	25.00000	.09460	-.02680	.14360	-.00380	-.15340
.252	-4.151	.03570	.03740	-.05710	.00000	25.00000	.20800	-.01150	.08640	.01150	-.12570
.251	-2.041	-.01440	-.02150	-.06350	-.02010	25.00000	.11350	-.04660	.00350	-.03510	-.09200
.252	-1.063	-.02510	-.00730	-.03770	-.09060	25.00000	.21750	-.03770	.02320	-.00320	-.07230
.252	.010	-.10870	.02960	-.07470	-.07050	25.00000	-.03950	-.04850	.10760	-.00250	-.14690
.252	.559	-.14670	-.04110	-.01410	-.12080	25.00000	.03780	-.04790	-.03430	-.01340	-.01480
.252	1.063	-.02390	.00100	-.05110	-.17110	25.00000	.14180	-.03700	.03910	-.01400	-.08820
.251	2.105	-.03740	-.08890	.05850	.02970	25.00000	.15130	-.03130	-.14660	-.01980	.13680
.252	3.078	.05540	.08230	-.10780	-.01010	25.00000	.01890	-.03700	.20150	-.01400	-.20150
.252	4.067	.05590	.02040	-.10640	-.12080	25.00000	.03780	-.07210	.11290	-.06060	-.15220
.251	6.074	.07710	.06640	-.08610	-.14090	25.00000	.17970	-.01720	.15000	.01720	-.18940
.251	8.030	.09600	-.00890	-.06630	-.04030	25.00000	-.01970	-.05230	.03450	-.02930	-.10330
.251	10.038	.12050	.08750	-.11800	-.12080	25.00000	.02840	-.04280	.21780	-.00830	-.22760
	GRADIENT	.00383	.00036	-.00217	-.00644	.00000	-.01854	-.00392	.00463	-.00501	.00069

ARC 218-1-12 OA101 (OV102) (C20005) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 173/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-6.204	5.35800	-.04830	.00890	-.12080	25.00000	.01890	-.02300	-.07350	.02300	-.00510
.253	-4.159	5.32820	-.04310	.02790	.02970	25.00000	.02840	-.02750	-.05870	.00700	.04880
.251	-2.128	5.31090	-.02290	.01790	-.08050	25.00000	.12290	-.01150	-.03420	.01150	.02440
.251	.027	5.22080	-.02730	.01260	-.03020	25.00000	-.02960	-.00570	-.04890	.00570	.01950
.251	2.109	5.29170	-.03020	.01550	-.03020	25.00000	.03780	-.01150	-.04890	.01150	.01950
.251	4.141	5.30150	-.02260	.00270	-.01010	25.00000	.00950	-.01090	-.03430	.00060	.00480
.251	6.245	5.31660	-.03610	.02110	.13860	25.00000	.00950	-.02810	-.04400	.01790	.02440
.251	8.106	5.32470	-.04470	.01970	-.11070	25.00000	-.04930	-.01600	-.07340	-.00450	.04390
.251	10.093	5.33630	-.01070	.00570	-.05030	25.00000	.02840	-.01150	-.00980	.01150	.00000
.251	12.036	5.35460	-.03810	.01820	-.03020	25.00000	.03780	-.02240	-.05380	.01210	.02430
	GRADIENT	-.00355	.00160	-.00253	-.00135	.00000	-.00601	.00159	.00161	-.00061	-.00445

ARC 218-1-12 OA101 (OV102) (C20006) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 185/ 0 RN/L = 7.73 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.128	5.37840	-.00740	-.00250	-.04030	25.00000	.05670	.00000	-.01470	.00000	-.00490
.252	-4.098	5.36570	.04780	-.05290	-.02010	25.00000	.09460	-.00510	.10080	-.00510	-.10080
.251	-2.122	5.35400	.09510	-.09010	-.03020	25.00000	.06620	-.00070	.19090	.01080	-.19090
.251	.029	5.32610	-.00980	.00000	-.01010	25.00000	.12290	.00000	-.01960	.00000	-.00010
.251	2.101	5.35310	-.00490	.00490	-.11070	25.00000	.05670	.00000	-.00980	.00000	.00980
.251	4.110	5.35620	.03000	-.05480	.08910	25.00000	.06620	-.00510	.06520	-.00510	-.10450
.251	6.168	5.36550	.11950	-.13990	.00000	25.00000	.03780	-.02620	.26510	-.01470	-.26510
.251	8.131	5.37850	-.02250	.00280	.00000	25.00000	-.00990	-.00570	-.03920	.00570	-.00010
.251	10.043	5.38950	.09280	-.08750	.02970	25.00000	.11350	.00000	.18560	.00000	-.17500
	GRADIENT	-.00097	-.00670	.00455	.00657	-.00000	-.00317	.00003	-.01344	-.00054	.00964

ARC 218-1-12 OA101 (OV102) (C2Q007) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 193/ 0 RN/L = 7.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.055	11.09600	.01930	-.05410	.01980	25.00000	.07560	-.02170	.06030	.00130	-.10940
.251	-4.079	11.09000	.06410	-.08390	.00000	25.00000	.00950	-.01090	.13900	.00060	-.16850
.251	-1.970	11.12900	.05580	-.05560	-.07050	25.00000	.14180	-.00510	.11670	-.00510	-.10600
.252	-1.104	11.05200	-.01500	-.01980	-.04030	25.00000	-.02960	-.01600	-.01400	-.00450	-.03520
.251	.009	11.20400	-.00180	-.02790	-.14090	25.00000	.00950	-.01090	.00720	.00060	-.05640
.251	.537	11.24500	.03170	-.05670	-.05030	25.00000	.12290	-.03320	.09660	.01280	-.12610
.251	1.040	11.07700	.01400	-.06950	-.04030	25.00000	.11350	-.05810	.08600	-.02360	-.11550
.251	2.121	11.11300	.09250	-.12800	.00990	25.00000	.13240	-.05940	.24430	-.00190	-.25420
.251	3.133	11.10900	.02930	-.06970	.00000	25.00000	.00000	-.05360	.11210	-.00760	-.13180
.251	4.132	10.97700	-.01490	-.05070	.05940	25.00000	.10400	-.06320	.03340	-.02870	-.07270
.251	6.078	11.10600	.10060	-.12080	-.04030	25.00000	.15130	-.03260	.23370	.00190	-.24350
.251	8.089	11.05000	-.01790	.00830	-.04030	25.00000	.06620	.00350	-.03920	.02650	-.00990
.251	10.101	11.07900	.05020	-.07000	-.03020	25.00000	.03780	-.02810	.12840	.01790	-.15790
	GRADIENT	-.00760	-.00388	-.00171	.00937	.00000	.00667	-.00812	.00036	-.00241	-.00101

ARC 218-1-12 OA101 (OV102) (C2Q008) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 194/ 0 RN/L = 7.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.249	-5.756	16.63600	-.00110	-.06870	-.04030	25.00000	.09460	-.04280	.04060	-.00830	-.12910
.250	-3.830	16.57400	.02440	-.06530	-.08050	25.00000	.04730	-.04660	.09550	-.03510	-.09550
.250	-2.007	16.60600	-.01490	-.01000	-.01010	25.00000	.03780	-.01020	-.01960	-.01020	-.00990
.250	-.001	16.59400	-.05970	-.00020	-.02010	25.00000	.04730	-.03130	-.08810	-.01980	.01930
.249	2.054	16.46700	.02680	-.05720	-.08050	25.00000	.03780	-.03700	.09050	-.01400	-.10040
.249	4.043	16.54800	-.04100	.00560	-.04030	25.00000	.05670	-.04280	-.03910	-.00830	.01950
.250	6.024	16.56600	.05270	-.06270	-.04030	25.00000	.04730	-.02240	.12770	.01210	-.13750
.250	6.857	16.43700	.03500	-.07550	-.16110	25.00000	.03780	-.04210	.11210	-.01910	-.13180
	GRADIENT	-.00981	-.00435	.00464	.00031	.00000	.00097	-.00105	-.00766	.00248	.00680

ARC 218-1-12 0A101 (0V102) (C20009) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 8.000

RUN NO. 188/ 0 RN/L = 7.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-7.710	1.96560	.03370	-.00870	.04950	25.00000	.09460	.02500	.04240	.02500	-.04240
.251	-5.636	1.66260	.05010	-.05500	-.18120	25.00000	.04730	-.01150	.11180	.01150	-.12160
.251	-.028	2.07850	.06660	-.08680	.05940	25.00000	-.00990	-.02110	.15420	-.00960	-.16400
.251	2.664	2.14670	-.04540	.01990	.00000	25.00000	.08510	-.03700	-.05370	-.01400	.05370
.251	5.536	2.16680	-.03310	-.02160	.00000	25.00000	.04730	-.02680	-.03930	-.00380	-.03930
.251	7.172	2.04360	-.02770	-.01220	.01980	25.00000	.13240	-.02110	-.03430	-.00960	-.01480
.252	8.852	2.06750	.06400	-.08440	-.03020	25.00000	.17970	-.02040	.14850	-.02040	-.14850
.251	11.020	2.06320	-.00520	-.02020	-.11070	25.00000	-.03950	-.03190	.02160	-.00890	-.03140
.251	13.229	1.98790	.00610	-.05130	.00000	25.00000	.06620	-.03700	.04930	-.01400	-.08860
.250	16.453	2.05870	-.06460	-.00510	.00000	25.00000	.06620	-.03130	-.09800	-.01980	.00950
.249	18.537	2.02860	-.02370	-.01090	.00000	25.00000	.30260	-.03392	-.01360	.02360	-.04540
	GRADIENT	.02534	-.04161	.03964	-.02207	.00000	.03529	-.00591	-.07724	-.00163	.08088

ARC 218-1-12 0A101 (0V102) (C20010) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 189/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-7.827	-.01420	5.02980	.01590	.00000	25.00000	.09460	4.99470	5.06490	-.02330	.05510
.252	-5.298	-.00470	5.10610	-.07710	.00000	25.00000	.15130	4.96840	5.24380	-.02050	-.13380
.251	.011	.01170	4.93600	.02960	.02970	25.00000	.03780	4.94990	4.92210	-.04870	.10790
.251	2.843	.02110	4.99320	-.03090	.00000	25.00000	.07560	4.92660	5.05980	-.07200	.01020
.251	5.770	.02510	5.11140	-.07660	.04950	25.00000	.14180	4.97910	5.24380	-.01950	-.13380
.252	7.294	.01970	5.08830	-.06510	.00000	25.00000	.06620	4.96260	5.21390	-.02630	-.10390
.251	9.030	.01270	4.91860	.05120	-.03020	25.00000	.15130	4.92950	4.90770	-.04000	.14230
.252	11.293	.00420	5.06880	-.05480	.00000	25.00000	.05670	4.96840	5.16910	-.02050	-.08910
.251	13.415	-.00530	4.97830	.04740	.00000	25.00000	.12290	4.97530	4.98130	-.00390	.09870
.250	16.531	-.01790	5.03940	-.04960	.00990	25.00000	.32150	4.92950	5.14930	-.04000	-.05930
.249	18.789	-.02720	4.95950	-.00560	.04950	25.00000	.05670	4.93340	4.98560	-.05550	.04440
	GRADIENT	.00332	.02020	-.02137	-.01049	.00000	.01335	-.00823	.04863	-.00823	-.03450

ARC 218-1-12 OA101 (OV102) (C2Q011) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 190/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-7.976	.06020	-5.00860	.08360	.04950	25.00000	.12290	-5.02220	-4.99490	-.01780	.18490
.251	-5.507	.05410	-4.99310	.04360	-.07050	25.00000	-.05920	-5.03720	-4.94890	-.03280	.11990
.251	-.199	.04160	-4.99230	.02360	.00990	25.00000	.07560	-5.05170	-4.93290	-.02830	.07540
.251	2.638	.03470	-4.88330	-.04670	-.12080	25.00000	-.07890	-5.04150	-4.72510	-.00850	-.08490
.250	4.853	.02930	-5.00780	.07330	-.03020	25.00000	.14180	-5.04140	-4.97410	.00140	.14510
.251	5.642	.02430	-5.02130	.11600	.00000	25.00000	.14180	-5.01200	-5.03060	.00200	.23010
.251	7.135	.01750	-5.06940	.15910	.02970	25.00000	.00950	-5.01220	-5.12650	-.00780	.32600
.251	8.787	.01030	-5.04270	.08920	-.06040	25.00000	.06620	-5.03170	-5.05370	-.00830	.18670
.251	10.860	.00160	-4.95720	-.02150	.01980	25.00000	.08510	-5.04670	-4.86760	-.02330	-.01970
.251	13.106	-.00850	-5.02490	.06610	.14850	25.00000	.04730	-5.05630	-4.99340	-.00370	.13590
.250	16.238	-.02260	-4.99450	.02100	.04950	25.00000	.14180	-5.05650	-4.93260	-.02350	.06560
.250	18.469	-.03210	-4.98190	.00340	.11880	25.00000	.06620	-5.06150	-4.90230	-.02850	.03530
	GRADIENT	-.00243	-.00117	.00825	-.00969	.00000	.01001	.00211	-.00442	.00593	.01057

ARC 218-1-12 OA101 (OV102) (C2Q012) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 199/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-35.083	-5.98830	.03920	-.04340	.00990	25.00000	.06620	-35.10100	-35.06400	.00870	-.09550
.250	-29.746	-5.94560	.04070	.30750	-.05030	25.00000	-.00990	-30.11600	-29.37600	-.00120	.61620
.251	-25.039	-5.97150	.03970	.00020	.00990	25.00000	.09460	-25.07400	-25.00400	.00570	-.00520
.251	-20.088	-5.91650	.04000	-.05640	.07920	25.00000	.06620	-20.06500	-20.11000	.00280	-.11570
.251	-15.022	-5.81650	.03980	.00020	.02970	25.00000	.10400	-15.04800	-14.99500	-.00440	.00470
.250	-10.052	-5.69180	.03960	.06290	.01980	25.00000	.08510	-10.11800	-9.98590	.12140	.00450
.251	-4.950	-5.55020	.03960	.03570	-.01010	25.00000	.06620	5.00700	-4.89340	.00700	.06440
.250	.003	-5.40930	.03890	-.00270	-.13090	25.00000	.09460	.00000	.00530	.00000	-.00530
.250	4.990	-5.28020	.03900	.06950	.01980	25.00000	.06620	4.99940	4.98160	.01050	.12840
.250	9.984	-5.15980	.03870	-.00550	.00990	25.00000	.04730	10.01900	9.94800	.00500	-.01590
.250	14.990	-5.02900	.03840	-.03350	.00000	25.00000	.07560	15.03400	14.94600	-.00060	-.06630
.250	20.180	-4.90700	.03850	.16470	.00000	25.00000	.11350	20.04500	20.31400	-.02640	.35590
	GRADIENT	.02716	-.00006	.00341	.00304	-.00000	-.00001	1.00660	.99340	.00035	.00646

ARC 218-1-12 OA101 (OV102) (C2Q013) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 200/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-35.093	-.61460	.03340	-.03840	.08910	25.00000	.11350	-35.10600	-35.07900	.00390	-.08060
.250	-30.006	-.61260	.03410	.08960	-.01010	25.00000	.09460	-30.12100	-29.89100	-.01700	.19610
.250	-25.052	-.64990	.03480	-.03080	-.01010	25.00000	.13240	-25.08900	-25.01600	-.02880	-.03280
.250	-20.099	-.59120	.03430	-.03440	.05940	25.00000	.11350	-20.06500	-20.13300	.02410	-.09290
.250	-15.026	-.47060	.03470	.01530	.02970	25.00000	-.01970	-15.02800	-15.02500	.00600	.02460
.250	-9.996	-.34160	.03440	.02180	.00000	25.00000	.06620	-10.00600	-9.98600	.02020	.02340
.250	-4.968	-.20770	.03450	.05840	.06930	25.00000	.11350	-5.00220	-4.93400	.00220	.11450
.250	.013	-.07290	.03380	-.00760	-.06040	25.00000	.06620	.00930	.01590	.00070	-.01590
.250	5.032	.05360	.03420	.03320	.00000	25.00000	.05670	5.00950	5.05510	-.00850	.07490
.250	9.971	.17800	.03390	.00200	.00000	25.00000	.04730	10.00700	9.93590	-.01660	.02070
.250	14.979	.30760	.03360	-.00640	-.05030	25.00000	.05670	15.02600	14.93200	-.00900	-.00380
.249	20.193	.42720	.03330	.17070	.00000	25.00000	.05670	20.05200	20.33400	-.00400	.34550
	GRADIENT	.02706	-.00014	-.01325	-.02604	.00000	-.00950	1.00618	.99382	-.00030	-.02618

ARC 218-1-12 OA101 (OV102) (C2Q014) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 174/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-35.128	4.71670	.02640	-.01860	.00990	25.00000	.03780	-35.12100	-35.13400	.02870	-.06580
.250	-29.989	4.69240	.02550	.07090	-.14090	25.00000	-.00990	-30.11000	-29.86700	-.00650	.14830
.250	-25.047	4.67280	.02660	-.01200	.18810	25.00000	.06620	-25.07400	-25.01900	-.00420	-.01970
.250	-20.092	4.71690	.02710	-.04630	-.18120	25.00000	.10400	-20.08700	-20.09700	-.00810	-.08460
.250	-15.047	4.82160	.02760	.00020	-.03020	25.00000	.10400	-15.06400	-15.03000	.00070	-.00040
.250	-10.008	4.94580	.02670	.01920	.02970	25.00000	.03780	-10.01200	-10.00500	.01460	.02380
.250	-4.998	5.08280	.02690	.07360	.06930	25.00000	.11350	-5.01700	-4.97920	-.00300	.15020
.250	-.012	5.20550	.02700	-.00250	.09900	25.00000	.01890	.00000	-.02450	.00000	-.00500
.251	5.000	5.30510	.02680	.04460	.08910	25.00000	-.02960	4.99910	5.00070	.01990	.06930
.250	9.981	5.42630	.02680	-.01570	.06930	25.00000	.00000	10.01900	9.94380	.00500	-.03630
.250	14.967	5.54150	.02610	-.01360	.07920	25.00000	.02840	15.02600	14.90700	-.00900	-.01830
.249	20.154	5.66200	.02650	.16080	.04950	25.00000	.05670	20.01500	20.29400	-.02440	.34600
	GRADIENT	.02223	-.00001	-.00289	.00198	-.00000	-.01431	1.00181	.99819	.00229	-.00807

ARC 218-1-12 OA101 (OV102) (C2Q015) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 186/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-35.231	5.24670	.02850	.09140	.33660	25.00000	.17970	-35.14000	-35.32300	-.01990	.20280
.251	-30.286	5.29900	.02800	.34810	.18810	25.00000	.15130	-30.13700	-30.43600	-.03280	.72890
.251	-25.153	5.14920	.02820	.05040	-.03020	25.00000	.07560	-25.12800	-25.17800	-.02840	.12920
.251	-20.057	5.12440	.02820	-.10800	-.05030	25.00000	.09460	-20.10300	-20.01200	-.03490	-.18120
.251	-15.076	5.40280	.02860	.04970	.18810	25.00000	.01890	-15.05900	-15.09400	-.01460	.11410
.251	-10.100	5.52570	.02810	.10860	-.02010	25.00000	.10400	-10.02300	-10.17700	.00340	.21390
.251	-5.021	5.59700	.02810	.09670	.10890	25.00000	.14180	-5.00250	-5.03950	-.00750	.20100
.251	-.015	5.76720	.02810	.00010	.03960	25.00000	.00950	-.02110	-.00980	-.00960	.00980
.251	4.958	5.85090	.02790	.03230	.13860	25.00000	.06620	4.94990	4.96660	-.04870	.11340
.251	9.926	6.03540	.02780	.01420	.03960	25.00000	.06620	9.99810	9.85410	-.02510	.05340
.251	14.909	6.22500	.02740	.06510	-.02010	25.00000	.00000	15.02300	14.79500	-.03110	.16140
.250	20.116	6.36920	.02730	.23270	.02970	25.00000	.10400	20.04700	20.18600	-.00880	.47410
	GRADIENT	.01683	-.00004	.00647	.01990	.00000	.01140	.99946	1.00054	-.00786	.02083

ARC 218-1-12 OA101 (OV102) (C2Q016) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 201/ 0 RN/L = 7.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.249	-35.120	10.53200	.01400	-.02580	.06930	25.00000	.08510	-35.12600	-35.11400	.01410	-.06580
.250	-29.983	10.52800	.01390	.06960	.04950	25.00000	.08510	-30.11100	-29.85500	.01470	.12450
.250	-25.051	10.49900	.01450	.00260	.08910	25.00000	.05670	-25.06900	-25.03300	.01060	-.00540
.251	-20.087	10.60200	.01510	-.05140	.05940	25.00000	.03780	-20.06500	-20.10900	.00280	-.10560
.251	-15.044	10.72600	.01440	.01760	.05940	25.00000	.05670	-15.04800	-15.03900	-.00440	.03950
.252	-10.001	10.85700	.01480	.01190	.00000	25.00000	.02840	-10.01200	-9.99050	.01460	.00920
.252	-4.976	10.99700	.01450	.07080	.00000	25.00000	.05670	-5.00200	-4.94920	.01200	.12970
.251	-.012	11.12900	.01360	.01220	.22770	25.00000	.05670	.00000	-.02440	.00000	.02440
.251	5.018	11.25300	.01340	.03800	.04950	25.00000	.00950	4.98980	5.04550	-.01850	.09450
.251	9.971	11.38600	.01320	-.00990	.03960	25.00000	.03780	10.00200	9.93980	-.01200	-.00780
.250	14.993	11.52500	.01290	-.02110	.02970	25.00000	.04730	15.03500	14.95100	-.00960	-.03260
.250	20.171	11.65900	.01270	.16380	-.01010	25.00000	-.00990	20.03700	20.30400	-.01830	.34590
	GRADIENT	.02659	-.00018	-.01181	.04588	.00000	.00000	1.00778	.99222	-.00242	-.02122

ARC 218-1-12 OA101 (OV102) (C2Q017) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 8.000

RUN NO. 202/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-35.130	16.02800	.00160	-.02570	.01980	25.00000	.04730	-35.12500	-35.13400	-.00550	-.04590
.250	-29.983	15.99500	.00140	.08290	.03960	25.00000	.00950	-30.11000	-29.85500	-.00650	.17230
.250	-25.066	15.98600	.00180	.00230	.03960	25.00000	.05670	-25.08400	-25.04800	-.01400	.01870
.250	-20.112	16.10700	.00160	-.03200	.01980	25.00000	.08510	-20.07000	-20.15400	.00810	-.07200
.250	-15.032	16.23700	-.00040	.00030	.01980	25.00000	.06620	-15.05300	-15.01000	.01100	-.01030
.250	-10.014	16.37700	-.00100	.00890	.07920	25.00000	.04730	-10.02800	-10.00000	.00840	.00940
.250	-4.961	16.51400	-.00060	.07500	.00000	25.00000	.07560	-5.01150	-4.91000	.02150	.12850
.249	.000	16.64700	-.00100	.00990	-.04030	25.00000	.01890	.01000	-.00980	.01000	.00980
.249	5.015	16.77500	-.00050	.03980	.00000	25.00000	.07560	5.00880	5.02050	.01020	.06950
.248	9.983	16.90500	-.00120	-.00960	-.01010	25.00000	.01890	10.01500	9.95200	.00080	-.02000
.248	14.973	17.02300	-.00120	-.01630	.00000	25.00000	.08510	15.03000	14.91700	-.00480	-.02790
.247	20.183	17.14500	-.00090	.16090	.00000	25.00000	.01890	20.04700	20.31900	-.00880	.33050
	GRADIENT	.02681	-.00008	-.01312	-.00812	.00000	-.01143	1.01222	.98776	-.00232	-.02393

ARC 218-1-12 OA101 (OV102) (C2Q018) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 176/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-6.131	5.07360	-9.96880	.06350	-.11070	25.00000	.04730	-10.00700	-9.93090	.00950	.11750
.251	-4.200	5.05220	-9.97370	.06840	.08910	25.00000	.04730	-10.00700	-9.94070	.00950	.12730
.251	-2.144	5.03400	-9.98100	.07570	-.01010	25.00000	.06620	-10.00700	-9.95540	.00950	.14200
.252	-1.137	5.02450	-9.95960	.04410	-.06040	25.00000	.03780	-10.01700	-9.90190	.00900	.07920
.251	-.315	5.02030	-9.98360	.05870	.01980	25.00000	.03780	-10.01700	-9.94980	.00900	.10840
.251	.356	5.02480	-9.97220	.06500	.12870	25.00000	.03780	-10.01800	-9.92650	-.00170	.13180
.251	.691	5.02150	-9.96180	.06580	.10890	25.00000	.04730	-10.01200	-9.91180	.01460	.11710
.251	1.145	5.02370	-9.97960	.05290	.00000	25.00000	.02840	-10.02900	-9.93070	-.00230	.10800
.251	2.129	5.02200	-9.96950	.04830	.04950	25.00000	.04730	-10.02300	-9.91610	.00340	.09330
.252	3.157	5.02880	-9.94780	.04160	-.06040	25.00000	.00950	-10.01200	-9.88330	.00390	.07920
.251	4.160	5.02770	-9.96950	.06790	.01980	25.00000	.07560	-10.01700	-9.92160	.00900	.12690
.251	6.166	5.03560	-9.97450	.06270	-.02010	25.00000	.06620	-10.01800	-9.93120	-.00170	.12710
.251	7.950	5.03900	-9.95500	.04780	-.01010	25.00000	.05670	-10.01300	-9.89720	-.00680	.10250
.251	10.084	5.05060	-9.95420	.05830	-.02010	25.00000	.04730	-10.00200	-9.90700	.00440	.11220
	GRADIENT	-.00233	.00175	-.00176	-.00504	-.00000	-.00069	-.00135	.00492	-.00061	-.00292

ARC 218-1-12 OA101 (OV102) (C2Q019) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 177/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.110	5.16680	-4.95280	.05300	-.13090	25.00000	.04730	-5.00180	-4.90380	.02170	.08430
.251	-4.193	5.16000	-4.98800	.07330	.01980	25.00000	.04730	-5.01670	-4.95930	.00680	.13980
.251	-2.130	5.15350	-4.98780	.08320	.00000	25.00000	.07560	-5.00660	-4.96910	.02640	.14010
.251	-1.114	5.14870	-4.99810	.07830	.06930	25.00000	.09460	-5.02170	-4.97440	.00170	.15490
.251	-.299	5.14410	-4.98290	.06790	.00000	25.00000	.07560	-5.02650	-4.93940	.00650	.12940
.251	.346	5.15330	-4.98510	.07080	-.04030	25.00000	.05670	-5.01150	-4.95870	.02150	.12020
.251	.679	5.14860	-4.98060	.07530	-.03020	25.00000	.06620	-5.02150	-4.93970	.01150	.13920
.251	1.152	5.15160	-4.99060	.09050	.12870	25.00000	.05670	-5.01650	-4.96460	.02640	.15460
.251	2.108	5.15570	-4.97790	.06790	-.01010	25.00000	-.00990	-5.02640	-4.92930	.01640	.11930
.251	3.168	5.15440	-4.99550	.09070	.04950	25.00000	.03780	-5.01650	-4.97440	.02640	.15490
.251	4.155	5.16080	-4.99570	.09550	.03960	25.00000	.03780	-5.02140	-4.97000	.02140	.16950
.251	6.163	5.16890	-4.98780	.07810	.00000	25.00000	.06620	-5.02140	-4.95420	.02140	.13470
.251	8.155	5.18430	-4.97730	.05830	.00990	25.00000	.03780	-5.01650	-4.93820	.02640	.09020
.251	10.097	5.19270	-4.96020	.05520	.00000	25.00000	.02840	-5.02140	-4.89900	.02140	.08900
	GRADIENT	.00027	-.00038	.00194	.00299	-.00000	-.00557	-.00084	.00008	.00180	.00206

ARC 218-1-12 OA101 (OV102) (C2Q020) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 178/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.118	5.42530	5.01410	.03440	-.09060	25.00000	-.00990	5.01780	5.01040	.01920	.04960
.251	-4.203	5.41130	5.02390	.01500	.07920	25.00000	-.06910	5.02300	5.02490	.00500	.02510
.251	-2.127	5.39970	4.99240	.04210	-.07050	25.00000	.05670	5.00880	4.97610	.01020	.07390
.250	-1.123	5.39650	5.03120	.01230	-.04030	25.00000	.01890	5.02750	5.03480	.00950	.01520
.250	-.277	5.39500	5.01450	.03000	.00990	25.00000	.03780	5.01850	5.01050	.00050	.05950
.250	.334	5.39520	4.99500	.05440	.07920	25.00000	.03780	5.00880	4.98130	.01020	.09870
.250	.679	5.39520	5.03420	.02030	.11880	25.00000	.09460	5.01850	5.04990	.00050	.04010
.250	1.132	5.39610	5.00960	.03490	-.02010	25.00000	.07560	5.01360	5.00560	.00530	.06440
.251	2.136	5.40270	5.01220	.04230	.09900	25.00000	.01890	5.01360	5.01070	.00530	.07930
.251	3.166	5.39720	5.01030	.03070	-.03020	25.00000	.08510	5.00500	5.01560	-.01300	.07440
.251	4.159	5.40420	5.00740	.03760	.00000	25.00000	-.06910	5.01400	5.00080	-.00400	.07920
.251	6.166	5.41340	5.01200	.02750	.01980	25.00000	.03780	5.01360	5.01040	.00530	.04960
.251	8.118	5.42310	5.01010	.03540	.02970	25.00000	.04730	4.99980	5.02050	.00120	.06950
	GRADIENT	-.00061	-.00093	.00209	-.00049	-.00000	.00379	-.00136	-.00052	-.00182	.00600

ARC 218-1-12 0A101 (0V102) (C2Q021) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 179/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-6.115	5.57230	9.97750	-.00790	.00990	25.00000	.00000	10.01900	9.93560	-.00380	-.01190
.250	-4.196	5.55040	9.97110	.00710	-.06040	25.00000	.00950	10.01900	9.92360	.01380	.00030
.251	-2.118	5.52880	9.95460	.01080	.02970	25.00000	-.00990	10.00600	9.90330	.00110	.02060
.250	-1.114	5.51910	9.94990	.01980	-.04030	25.00000	.07560	10.01000	9.88960	.00530	.03420
.250	-.298	5.51170	9.98110	-.01540	.03960	25.00000	-.01970	10.01400	9.94790	.00960	-.04040
.250	.667	5.51360	9.96900	-.00320	-.02010	25.00000	.04730	10.01400	9.92350	.00960	-.01600
.251	1.144	5.51280	9.96900	.00900	-.02010	25.00000	.03780	10.01400	9.92360	.00960	.00840
.250	2.132	5.51260	9.97130	-.00550	.07920	25.00000	.00000	10.01900	9.92350	.00500	-.01600
.250	3.156	5.51530	9.96080	.00480	.04950	25.00000	.01890	10.01000	9.91140	.00530	.00430
.250	4.157	5.51630	9.97920	-.01790	-.01010	25.00000	.04730	10.01000	9.94790	-.00350	-.03220
.251	6.166	5.52090	9.97090	-.00940	-.08050	25.00000	-.03950	10.01000	9.93160	.00530	-.02410
.251	8.130	5.51850	9.96900	.00090	.00000	25.00000	.05670	10.01400	9.92360	.00960	-.00790
.250	10.095	5.52580	9.97300	-.00330	-.01010	25.00000	.07560	10.01000	9.93580	.00530	-.01190
	GRADIENT	-.00362	.00120	-.00246	.00813	-.00000	.00275	-.00026	.00257	-.00109	-.00381

ARC 218-1-12 0A101 (OV102) (C2Q022) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 183/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.044	10.59100	-9.96010	-.04590	.00990	25.00000	.06620	-10.01300	-9.90700	-.01750	-.07430
.251	-4.163	10.74100	-9.92280	-.08700	.00000	25.00000	.07560	-10.01300	-9.83290	-.00680	-.16710
.251	-1.983	10.71000	-9.94690	-.06010	.00000	25.00000	.07560	-10.02400	-9.86990	-.01800	-.10210
.252	-1.106	10.70200	-10.03200	-.00460	.02970	25.00000	.08510	-10.03000	-10.03400	-.02360	.01440
.252	.011	10.73600	-9.97110	-.05640	.05940	25.00000	.03780	-10.03500	-9.90710	-.02930	-.08360
.251	.534	10.78400	-10.01900	-.03390	-.02010	25.00000	.07560	-10.04600	-9.99140	-.02980	-.03810
.251	1.040	10.70900	-10.04500	-.00800	-.01010	25.00000	.07560	-10.05100	-10.03900	-.03540	.01930
.251	2.094	10.68000	-10.04000	-.00240	-.02010	25.00000	.07560	-10.04000	-10.03900	-.02420	.01930
.252	3.137	10.69300	-9.92930	-.10220	.00000	25.00000	.09460	-10.03500	-9.82390	-.01860	-.18590
.251	4.113	10.63800	-9.91700	-.09460	.08910	25.00000	.08510	-10.02900	-9.80500	-.01290	-.17630
.251	6.137	10.65900	-10.03600	.01580	.00000	25.00000	.09460	-10.02300	-10.04900	-.00730	.03890
.251	8.053	10.63400	-9.95020	-.07260	-.01010	25.00000	.08510	-10.03500	-9.86530	-.02930	-.11600
.251	10.153	10.57500	-10.04100	.02070	.00000	25.00000	.08510	-10.02300	-10.05800	-.00730	.04860
	GRADIENT	-.00925	-.00076	-.00134	.00409	-.00000	.00164	-.00247	.00099	-.00082	-.00188

ARC 218-1-12 OA101 (OV102) (C20023) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 182/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.169	10.76600	-5.03440	.14450	.00000	25.00000	.12290	-4.96820	-5.10070	.00780	.28120
.252	-4.126	10.86400	-4.95670	.06600	-.08050	25.00000	.03780	-4.98320	-4.93020	-.01680	.14870
.252	-1.998	10.86100	-4.87800	-.01800	.00000	25.00000	.09460	-4.99800	-4.75800	-.02200	-.01400
.251	-1.123	10.90000	-5.03740	.16170	.00000	25.00000	.03780	-4.96820	-5.10660	.00780	.31560
.251	.010	10.78600	-4.90850	.01770	.01980	25.00000	.10400	-4.99750	-4.81940	-.00250	.03790
.251	.514	10.78300	-4.98100	.08590	.00990	25.00000	.04730	-4.99230	-4.96970	.01220	.15970
.250	1.040	10.82400	-5.02110	.11110	-.03020	25.00000	.09460	-5.01200	-5.03030	.00200	.22030
.251	2.082	10.76200	-4.92580	.02000	.01980	25.00000	.07560	-5.01720	-4.83430	-.01280	.05280
.250	3.108	10.81500	-4.98830	.06830	.02970	25.00000	.06620	-5.02200	-4.95450	-.00800	.14450
.251	4.109	10.76100	-4.95280	.02830	.00000	25.00000	.09460	-5.01220	-4.89340	-.00780	.06440
.251	6.046	10.79500	-4.91610	.00540	.00000	25.00000	.03780	-5.01750	-4.81470	-.02250	.03320
.251	8.173	10.76800	-4.85870	-.02220	.00000	25.00000	.03780	-4.99230	-4.72500	.01220	-.05650
.250	10.275	10.91700	-4.98310	.06860	.00000	25.00000	.06620	-5.00220	-4.96400	.00220	.13500
	GRADIENT	-.01390	-.00278	-.00198	.00852	.00000	.00426	-.00510	-.00045	.00091	-.00488

ARC 218-1-12 OA101 (OV102) (C20024) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 181/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-6.108	11.01100	5.03670	.01280	.01980	25.00000	.06620	5.01360	5.05980	.00530	.02020
.250	-4.125	11.11900	5.00210	.05180	.11880	25.00000	.01890	5.02300	4.98130	.00500	.09870
.251	-1.986	11.14400	5.00440	.05410	-.01010	25.00000	.04730	5.02750	4.98130	.00950	.09870
.251	-1.056	11.12100	5.01150	.05140	-.04030	25.00000	-.01970	5.02230	5.00080	.02370	.07920
.251	.054	10.81600	5.00730	.04720	-.03020	25.00000	.04730	5.01850	4.99610	.00050	.09390
.251	.525	10.79900	5.01260	.03290	.02970	25.00000	.06620	5.00460	5.02050	-.00370	.06950
.251	1.021	10.72800	5.00240	.05210	-.03020	25.00000	.05670	5.00880	4.99610	.01020	.09390
.251	2.142	11.07500	5.01730	.01320	.00000	25.00000	.04730	5.00950	5.02500	-.00850	.03500
.251	3.158	11.04800	5.01260	.03290	.00990	25.00000	.00950	4.99490	5.03030	.00600	.05970
.251	4.162	11.04600	5.01710	.03740	.00990	25.00000	.03780	5.01360	5.02050	.00530	.06950
.251	6.117	11.07100	5.01700	.03250	.00000	25.00000	.01890	5.00880	5.02530	.01020	.05470
.251	8.120	11.01400	5.03690	.01810	-.03020	25.00000	.04730	5.01400	5.05980	-.00400	.04020
.251	10.099	11.00400	4.99530	.05470	.00990	25.00000	.03780	5.00430	4.98630	.00570	.10370
	GRADIENT	-.01398	.00168	-.00328	-.00740	-.00000	.00183	-.00285	.00620	-.00101	-.00557

ARC 218-1-12 OA101 (OV102) (C20025) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 180/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-6.078	11.10800	9.96730	-.00190	-.14090	25.00000	.04730	10.01500	9.91950	-.00810	.00430
.250	-4.095	11.26100	9.95460	-.00600	-.03020	25.00000	.10400	9.99770	9.91140	-.01620	.00430
.250	-2.007	11.27200	9.97310	-.00360	.00990	25.00000	.01890	10.01000	9.93580	-.00350	-.00380
.250	-1.073	11.24800	9.96880	-.01550	-.08050	25.00000	.00950	10.01000	9.92750	.00530	-.03640
.250	.053	11.35500	9.96080	-.01600	-.02010	25.00000	.04730	10.00600	9.91540	-.00770	-.02420
.250	.565	11.32100	9.95680	.01300	.10890	25.00000	.00950	10.01400	9.89920	.00960	.01650
.250	1.083	11.24500	9.95230	-.00770	-.01010	25.00000	.01890	9.99740	9.90730	-.00740	-.00790
.251	2.139	11.19400	9.95660	-.00340	.16830	25.00000	.08510	10.00600	9.90730	.00110	-.00790
.251	3.155	11.17700	9.97110	-.00110	.01980	25.00000	.02840	10.01900	9.92350	.01380	-.01600
.251	4.189	11.20800	9.95610	-.00740	.00990	25.00000	.01890	9.99280	9.91950	-.00280	-.01200
.251	6.110	11.20800	9.99190	-.01380	-.03020	25.00000	.09460	10.02800	9.95610	.00470	-.03220
.250	8.122	11.16600	9.97700	-.01140	.04950	25.00000	.00000	10.01000	9.94390	.00530	-.02820
.250	10.086	11.12000	9.97530	-.00140	.00000	25.00000	.04730	10.01900	9.93170	.00500	-.00790
	GRADIENT	-.01092	-.00031	.00049	.01164	.00000	-.00459	.00006	-.00063	.00190	-.00093

ARC 218-1-12 OA101 (OV102) (C2Q026) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = 2.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 196/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-35.117	-.60580	2.12690	-.05780	.23760	25.00000	.07560	-35.13500	-35.09900	-.02490	-.09070
.252	-29.987	-.62870	2.14120	.06570	.13860	25.00000	.00950	-30.13200	-29.84300	-.01690	.14840
.253	-25.209	-.61000	2.12760	.12620	-.04030	25.00000	-.00990	-25.39900	-25.02000	.28120	-.02870
.252	-20.107	-.53040	2.11070	-.04800	-.07050	25.00000	.10400	-20.08700	-20.12700	-.01870	-.07730
.252	-15.044	-.47300	2.12910	.00230	.05940	25.00000	.09460	-15.07400	-15.01500	-.03000	.03460
.252	-10.023	-.30840	2.10910	-.00010	-.01010	25.00000	.14180	-10.04500	-10.00000	-.01910	.01890
.252	-4.998	-.30600	2.16110	.07330	-.22150	25.00000	.06620	-5.02700	-4.96970	-.01300	.15970
.252	.004	-.08380	2.12080	.00120	.02970	25.00000	.06620	.01280	-.00440	-.01280	.01510
.252	5.004	.04030	2.11670	.01930	.02970	25.00000	.06620	4.96740	5.04030	-.03120	.06970
.252	9.984	.05800	2.15870	-.01000	.02970	25.00000	.06620	10.01500	9.95200	-.00810	-.01190
.252	14.975	.25210	2.12830	-.01920	-.13090	25.00000	.07560	15.00500	14.94600	-.02980	-.00850
.251	20.174	.37760	2.12220	.15530	.05940	25.00000	.06620	20.02400	20.32500	-.01490	.32540
	GRADIENT	.04442	-.00806	-.01441	.05021	.00000	.00000	1.00746	.99256	.00004	-.02891

ARC 218-1-12 OA101 (OV102) (C2Q027) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 197/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-35.112	4.96070	2.16570	-.02800	.00990	25.00000	.11350	-35.14000	-35.08400	-.00030	-.05570
.252	-29.992	4.95310	2.15570	.07960	.11880	25.00000	.09460	-30.11600	-29.86700	-.00120	.16030
.253	-25.059	4.94490	2.30370	.00500	.04950	25.00000	.03780	-25.06900	-25.04801	.01060	-.00060
.253	-20.085	4.99290	2.22550	-.05360	.01980	25.00000	.08510	-20.07100	-20.09900	-.00260	-.10470
.252	-15.047	5.09760	2.19240	-.09990	-.11070	25.00000	.05670	-15.06900	-15.02500	-.00450	-.01530
.252	-10.022	5.21870	2.18100	-.00900	.04950	25.00000	.02840	-10.02900	-10.01500	-.01290	-.00510
.253	-4.956	5.35130	2.29400	.04100	.04950	25.00000	.05670	-4.99750	-4.91360	-.00250	.08460
.253	-.006	5.46780	2.18780	.00560	.09900	25.00000	.01890	.01350	-.02450	-.00350	.01460
.252	5.001	5.59000	2.21850	.05030	.04950	25.00000	.06620	4.99530	5.00610	-.00330	.10390
.252	9.969	5.69730	2.05480	-.00810	.02970	25.00000	.02840	10.00700	9.93170	-.01660	.00030
.252	14.973	5.81990	2.07390	-.02600	.07920	25.00000	.01890	15.03500	14.91200	-.00960	-.04230
.251	20.186	5.92420	2.02170	.15830	.06930	25.00000	.12290	20.04700	20.32500	-.00880	.32540
	GRADIENT	.02354	-.02145	-.00715	.01000	-.00000	-.00764	1.01232	.98770	-.00020	-.01414

ARC 218-1-12 OA101 (OV102) (C2Q028) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = 2.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 198/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-35.137	10.42700	2.07360	-.02820	.11880	25.00000	.12290	-35.14000	-35.13400	.00950	-.06580
.252	-29.987	10.46600	2.08990	.07320	.20790	25.00000	.12290	-30.10000	-29.87300	.00400	.14230
.252	-25.057	10.39000	2.07200	-.01640	.00000	25.00000	.12290	-25.10400	-25.01000	-.01380	-.01900
.252	-20.107	10.51200	2.08360	-.05340	.00990	25.00000	.07560	-20.07100	-20.14300	-.02380	-.08290
.252	-15.039	10.72100	2.12200	-.00230	.02970	25.00000	.09460	-15.07400	-15.00500	.00060	-.00530
.253	-10.021	10.77200	2.09670	.00730	.01980	25.00000	.09460	-10.01700	-10.02400	.01970	-.00520
.253	-4.983	10.85500	2.07950	.06790	.02970	25.00000	.07560	-5.02650	-4.93940	.00650	.12940
.252	-.005	11.09900	2.12520	.01000	.02970	25.00000	.07560	.00000	-.00930	.00000	.02000
.252	4.993	11.22500	2.12960	.02290	.18810	25.00000	.09460	4.98980	4.99570	-.01850	.06430
.252	9.977	11.28900	2.10660	-.00810	-.11070	25.00000	.05670	10.00700	9.94800	-.01660	.00030
.251	14.973	11.45900	2.12420	-.01190	.07920	25.00000	.09460	15.03900	14.90700	-.00550	-.01830
.251	20.163	11.53800	2.10990	.16580	-.01010	25.00000	.05670	20.03800	20.28900	-.00940	.34100
	GRADIENT	.03708	.00502	-.00451	.01589	-.00000	.00191	1.00407	.99593	-.00251	-.00652

ARC 218-1-12 OA101 (OV102) (C2Q029) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 204/ 0 RN/L = 7.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-10.065	5.57430	.03240	-10.09500	.05940	25.00000	.04730	-10.04700	-10.14200	-10.04700	-10.08400
.250	-7.563	5.57200	.03120	-10.09200	-.01010	25.00000	.09460	-10.03700	-10.14800	-7.52970	-7.59580
.250	-5.010	5.56620	.03050	-10.03100	.02970	25.00000	.06620	-10.02800	-10.03400	-5.00430	-5.01580
.249	-4.007	5.56730	.03060	-10.03900	-.11070	25.00000	.02840	-10.03500	-10.04300	-4.02770	-3.98680
.249	-2.997	5.56100	.03040	-9.99980	.00000	25.00000	.06620	-10.01300	-9.98610	-3.01090	-2.98290
.248	-1.993	5.56330	.02990	-10.00300	-.01010	25.00000	.03780	-10.02900	-9.97640	-2.00540	-1.98070
.248	-.994	5.56160	.03030	-10.05700	.04950	25.00000	.05670	-10.04300	-10.07000	-1.03710	-.95190
.248	.011	5.56330	.03060	-10.02100	.00000	25.00000	.07560	-10.02300	-10.01900	.00340	.01940
.249	.977	5.56220	.03010	-10.03800	-.08050	25.00000	.05670	-10.04800	-10.02700	.99480	.95980
.249	1.997	5.56170	.02910	-10.03700	.01980	25.00000	.06620	-10.01700	-10.05700	2.01480	1.97970
.249	3.024	5.56620	.02840	-10.00200	.00000	25.00000	.07560	-10.01100	-9.99330	3.01440	3.03300
.249	4.050	5.56420	.02800	-9.98190	-.01010	25.00000	.06620	-10.03000	-9.93380	4.00940	4.09150
.249	5.051	5.56460	.02810	-9.96070	.00000	25.00000	.03780	-10.01700	-9.90430	5.02700	5.07530
	GRADIENT	.00001	-.00030	.00290	.00555	-.00000	.00392	.00076	.00499	1.00082	.99918

ARC 218-1-12 OA101 (OV102) (C2Q030) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 203/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.249	-10.000	6.07730	01300	9.99530	-.03020	25.00000	.05670	10.03200	9.95880	-10.03200	-9.96860
.250	-7.518	6.08130	.01730	9.98100	.14850	25.00000	.07560	10.01900	9.94260	-7.56270	-7.47260
.250	-4.989	6.08470	.02150	10.04400	.00000	25.00000	.00950	10.04100	10.04600	-5.02230	-4.95630
.250	-3.976	6.08330	.02350	10.03600	-.03020	25.00000	.02840	10.02900	10.04400	-4.00850	-3.94380
.250	-2.984	6.08300	.02530	10.01600	-.07050	25.00000	.09460	10.03100	10.00100	-3.02720	-2.94120
.250	-2.021	6.08690	.02670	9.98890	.06930	25.00000	.07560	10.01700	9.96080	-2.02180	-2.02080
.250	-.986	6.08820	.02860	9.99440	.02970	25.00000	.02840	10.02200	9.96700	-1.00020	-.97250
.250	-.004	6.08740	.03000	9.96500	-.05030	25.00000	.01890	10.01000	9.91950	-.00350	-.00380
.250	.943	6.08410	.03150	9.95080	-.02010	25.00000	.02840	10.02800	9.87410	.98310	.90190
.250	1.967	6.09160	.03230	9.93630	.11880	25.00000	.02840	10.01700	9.85610	2.00000	1.93390
.250	2.949	6.08830	.03350	9.94200	.03960	25.00000	.04730	9.99850	9.88650	2.98110	2.91750
.250	3.974	6.08390	.03540	9.94980	.04950	25.00000	.01890	10.00100	9.89860	4.00430	3.94460
.250	4.994	6.08480	.03680	9.95900	.00000	25.00000	.05670	10.00800	9.91030	5.00900	4.97890
	GRADIENT	.00022	.00149	-.01040	.00635	00000	-.00035	-.00337	-.01739	1.00760	.99240

ARC 218-1-12 OA101 (OV102) (C20031) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 227/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-10.004	-.16960	.02680	-.02210	.17820	25.00000	.02840	-.00590	-.03830	-10.04700	-9.96160
.252	-7.495	-.17390	.02770	-.02320	.04950	25.00000	.04730	.00650	-.05290	-7.52140	-7.46810
.253	-4.954	-.16620	.02870	.03020	-.05030	25.00000	.04730	.00900	.05150	-5.00900	-4.89950
.252	-3.949	-.16530	.02850	.03160	.01980	25.00000	.03780	.01010	.05310	-3.98990	-3.90910
.252	-2.933	-.16440	.02910	.03070	.01980	25.00000	.03780	.01240	.04900	-3.00240	-2.86350
.251	-1.966	-.16320	.02990	.01010	.00000	25.00000	.03780	.00490	.01540	-1.99510	-1.93630
.252	-.982	-.16580	.02930	.00030	.00000	25.00000	.01890	.00500	-.00440	-1.00500	-.95890
.251	.015	-.16090	.02910	-.01970	.03960	25.00000	.04730	-.00510	-.03420	-.00510	.03420
.251	1.023	-.16380	.02910	-.00010	-.01010	25.00000	.04730	-.01100	.01070	1.00100	1.04560
.251	2.002	-.16500	.02980	-.01300	-.04030	25.00000	.04730	.00460	-.03060	1.99130	2.01190
.251	2.995	-.16640	.02900	-.02730	.00000	25.00000	.05670	-.01290	-.04170	2.98910	3.00170
.251	4.024	-.17110	.02910	-.00530	.01980	25.00000	.01890	-.00640	-.00410	3.99660	4.05060
.251	5.039	-.17230	.02860	.01260	.01980	25.00000	.02840	-.01550	.04080	4.99850	5.07920
	GRADIENT	-.00032	.00005	-.00609	.00124	.00000	-.00012	-.00241	-.00976	1.00492	.99509

ARC 218-1-12 OA101 (OV102) (C20032) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 228/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-10.008	5.05260	.02310	-.01350	-.04030	25.00000	.06620	-.00480	-.02210	-10.03700	-9.97790
.251	-7.528	5.05280	.02400	-.02130	.00000	25.00000	-.00990	.01140	-.05400	-7.54650	-7.50900
.251	-4.959	5.05340	.02440	.03000	.09900	25.00000	-.01970	.00380	.05620	-5.02380	-4.89470
.251	-3.970	5.05430	.02450	.02130	.00000	25.00000	.07560	-.00040	.04290	-4.00950	-3.92940
.251	-2.946	5.06090	.02520	.01480	.00990	25.00000	.06620	-.00560	.03520	-2.99440	-2.89710
.250	-1.973	5.05880	.02560	.01230	.08910	25.00000	.02840	-.00500	.02970	-2.01500	-1.93130
.250	-.005	5.05790	.02650	-.00990	.01980	25.00000	.01890	-.00510	-.01470	-.00510	-.00490
.251	1.010	5.05940	.02700	.00840	.00000	25.00000	.03780	.00130	.01550	.97870	1.04080
.251	1.985	5.05500	.02730	-.00110	.04950	25.00000	.09460	.00020	-.00230	1.97660	1.99300
.251	2.991	5.05360	.02800	-.00300	.10890	25.00000	.04730	.00550	-.01160	2.98050	3.00160
.251	4.029	5.05340	.02830	-.01780	.05940	25.00000	-.00990	-.00810	-.02750	3.97490	4.08390
.251	5.023	5.04960	.02850	.01200	.00990	25.00000	.04730	-.00180	.02580	5.00270	5.04410
	GRADIENT	-.00019	.00046	-.00432	.00188	.00000	.00023	-.00014	-.00851	1.00341	.99657

ARC 218-1-12 OA101 (OV102) (C2Q033) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 205/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.249	-10.017	5.82770	.02350	-.01980	.06930	25.00000	.00950	-.02060	-.01890	-10.04400	-9.99090
.249	-7.513	5.82550	.02470	-.02120	.11880	25.00000	.00000	.00660	-.04900	-7.51130	-7.51400
.248	-4.950	5.82700	.02700	.03480	.00990	25.00000	.01890	-.01560	.08510	-5.00440	-4.89510
.249	-3.935	5.82610	.02750	.00180	-.03020	25.00000	.03780	-.01410	.01780	-3.99580	-3.87370
.248	-2.941	5.82680	.02770	.01950	.00000	25.00000	.00000	-.00560	.04470	-2.99440	-2.88760
.248	-1.959	5.82490	.02900	.01260	.10890	25.00000	.07560	.00490	.02040	-1.99510	-1.92200
.248	-.977	5.82710	.02960	-.00470	.02970	25.00000	.00950	-.00990	.00050	-.99990	-.95400
.248	.008	5.82640	.03060	-.01750	.00000	25.00000	.01890	-.00070	-.03430	.01080	.00480
.248	1.030	5.83130	.03110	-.01310	.00000	25.00000	.04730	-.01170	-.01440	1.01170	1.04930
.248	1.998	5.83010	.03030	-.00890	-.02010	25.00000	.02840	-.00610	-.01160	2.01160	1.98360
.248	3.010	5.82780	.03070	-.01710	.00000	25.00000	.00000	-.01250	-.02170	2.99850	3.02170
.249	4.020	5.82690	.03130	.00520	-.01010	25.00000	.04730	.00530	.00510	4.00830	4.03150
.248	5.043	5.82580	.03200	-.00750	.01980	25.00000	.00950	-.02050	.00560	5.01250	5.07440
	GRADIENT	.00028	.00050	-.00384	-.00260	.00000	.00036	.00095	-.00863	1.00699	.99300

ARC 218-1-12 OA101 (OV102) (C2Q034) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 229/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-10.009	10.95100	-.00920	-.02280	-.01010	25.00000	.04730	-.01040	-.03510	-10.04300	-9.97470
.251	-7.512	10.95500	-.00810	-.01590	-.01010	25.00000	.04730	.00650	-.03830	-7.53150	-7.49320
.251	-4.952	10.96800	-.00680	.02270	.05940	25.00000	.04730	-.00100	.04650	-5.01900	-4.88500
.251	-3.937	10.96800	-.00550	-.00640	.00000	25.00000	.01890	-.00530	-.00750	-4.01450	-3.85860
.251	-2.934	10.97100	-.00540	.00700	.05940	25.00000	.04730	-.01070	.02480	-2.99940	-2.86780
.251	-1.971	10.97200	-.00480	.00530	.01980	25.00000	.01890	-.00500	.01560	-2.01500	-1.92690
.251	-.953	10.97500	-.00330	-.02350	.08910	25.00000	.09460	-.00500	-.04190	-.99500	-.91160
.251	-.005	10.97600	-.00170	-.02520	-.01010	25.00000	.01890	-.02110	-.02940	-.00960	-.00010
.251	1.037	10.97600	-.00170	-.01980	.01980	25.00000	.05670	-.00600	-.03360	1.00600	1.06860
.251	1.985	10.98300	-.00150	-.01040	.00000	25.00000	.04730	.00020	-.02110	1.97660	1.99310
.251	3.016	10.98000	-.00070	-.03840	.00990	25.00000	.04730	.00550	-.08220	2.98050	3.05220
.251	4.025	10.97900	-.00030	-.00300	.00990	25.00000	.05670	-.00230	-.00370	3.98070	4.06990
.251	5.034	10.97700	.00010	.00200	.00990	25.00000	.04730	-.01660	.02070	4.98790	5.07930
	GRADIENT	.00156	.00075	-.00377	-.00468	-.00000	.00198	.00061	-.00817	1.00521	.99480

ARC 218-1-12 OA101 (OV102) (C2Q035) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 230/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-10.013	5.28240	2.13370	-.01910	.09900	25.00000	.05670	-.01600	-.02210	-10.04800	-9.97790
.251	-7.523	5.28380	2.13490	-.03130	.08910	25.00000	.09460	-.01380	-.04880	-7.54170	-7.50370
.251	-4.943	5.28520	2.13710	.01260	.08910	25.00000	.02840	-.01120	.03630	-5.03880	-4.84630
.251	-3.969	5.28620	2.13750	.01610	.00000	25.00000	.09460	-.00570	.03790	-4.02400	-3.91420
.251	-2.939	5.28540	2.13530	.02690	.08910	25.00000	.00950	-.00060	.05440	-2.98940	-2.88790
.251	-1.970	5.28720	2.13550	.00950	.02970	25.00000	.02840	-.00530	.02420	-1.97530	-1.96460
.251	-.961	5.29170	2.13800	-.01550	.04950	25.00000	-.01970	-.00990	-.02110	-.99990	-.92260
.251	.000	5.28570	2.13610	-.01470	.08910	25.00000	.04730	.00000	-.02940	.00000	-.00010
.251	1.028	5.28450	2.13870	-.01050	.12870	25.00000	-.02960	-.01670	-.00420	1.00670	1.04990
.251	2.011	5.28400	2.13920	-.02700	.00000	25.00000	.04730	.00020	-.05420	1.97660	2.04490
.251	2.993	5.28580	2.13970	-.01490	.00000	25.00000	.07560	-.01320	-.01660	2.97980	3.00660
.251	4.015	5.28480	2.14000	.00480	.15840	25.00000	.11350	.00440	.00510	3.99740	4.03150
.251	4.993	5.28120	2.14040	-.00870	.01980	25.00000	.05670	-.06330	.04590	4.94120	5.04410
	GRADIENT	-.00035	.00044	-.00315	.00040	-.00000	.00403	-.00232	-.00398	1.00408	.99593

ARC 218-1-12 OA101 (OV102) (C2Q036) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 207/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-7.838	.04770	-.00490	5.03640	-.02010	25.00000	.04730	-.01550	.00560	4.99850	5.07440
.251	-5.899	.04500	-.01470	5.03620	.10890	25.00000	.03780	-.02500	-.00440	5.00800	5.06440
.251	-5.380	.04460	-.00750	5.02320	-.04030	25.00000	.03780	-.03080	.01580	5.00220	5.04420
.251	-2.525	.04100	-.01020	5.03120	-.01010	25.00000	.07560	-.01100	-.00940	5.00300	5.05940
.251	-.552	.03760	-.01990	5.04140	-.03020	25.00000	.03780	-.02020	-.01950	5.00320	5.07950
.250	-.129	.03770	-.00850	5.01750	.02970	25.00000	-.01970	-.03780	.02080	4.98570	5.04920
.251	1.736	.03510	-.01110	5.03000	-.03020	25.00000	.00000	-.03780	.01570	4.98570	5.07430
.251	2.477	.03340	-.00740	5.02890	-.01010	25.00000	.07560	-.01550	.00070	4.99850	5.05930
.250	3.402	.03220	-.01490	5.04140	.10890	25.00000	-.00990	-.02020	-.00950	5.00320	5.07950
.251	4.786	.03020	-.01990	5.04640	.00000	25.00000	.02840	-.02020	-.01960	5.00320	5.08960
.251	7.278	.04120	-.01300	5.02780	.03960	25.00000	.02840	-.03670	.01070	4.99630	5.05930
.251	8.823	.05200	-.02240	5.03890	.00000	25.00000	-.03950	-.02020	-.02450	5.00320	5.07450
.251	11.099	.06860	-.03230	5.04880	.05940	25.00000	.10400	-.02500	-.03970	5.00800	5.08970
.251	13.268	.08350	-.01270	5.03820	.00000	25.00000	.02840	-.01600	-.00940	5.01700	5.05940
.251	16.625	.10660	-.01550	5.03030	-.03020	25.00000	.02840	-.03670	.00570	4.99630	5.06430
.252	18.515	.11920	-.00750	5.01820	-.01010	25.00000	.03780	-.03080	.01580	5.00220	5.03410
	GRADIENT	-.00147	-.00065	.00187	.00667	.00000	-.00435	-.00031	-.00099	.00034	.00341

ARC 218-1-12 OA101 (OV102) (C20037) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 214/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-30.069	-.70240	.00990	4.98580	.02970	25.00000	.06620	-30.11900	-30.01800	5.02100	4.95060
.251	-25.107	-.61780	.00500	4.95190	.01980	25.00000	.02840	-25.11000	-25.10300	5.01530	4.88840
.252	-20.058	-.64790	.00320	5.01610	.00000	25.00000	.03780	-20.08600	-20.02900	5.02350	5.00880
.252	-15.050	-.48800	.00550	5.03010	.00000	25.00000	.13240	-15.04900	-15.05100	5.01860	5.04150
.252	-9.973	-.49570	.00540	5.05370	.02970	25.00000	.04730	-10.03200	-9.91420	5.02210	5.08520
.252	-5.007	-.30100	.00760	5.01660	.02970	25.00000	.04730	-5.01330	-4.99980	5.03330	4.99980
.252	-.013	-.18430	.00900	5.03860	.02970	25.00000	.02840	-.02130	-.00450	4.99270	5.08450
.252	4.968	-.10280	.00980	4.99320	.00000	25.00000	.01890	5.00770	4.92850	4.99920	4.98720
.252	9.937	.03420	.01140	5.00140	.10890	25.00000	.00000	10.00300	9.87140	5.01390	4.98860
.252	15.159	.15660	.01380	5.16990	.00000	25.00000	.03780	15.02600	15.29300	5.00270	5.33710
	GRADIENT	.01636	.00016	-.00911	-.00596	.00000	-.00191	1.00964	.99036	.00130	-.01953

ARC 218-1-12 OA101 (OV102) (C20038) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 215/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-30.071	4.75610	-.39970	4.99810	.11880	25.00000	.09460	-30.11900	-30.02400	5.02100	4.97520
.252	-25.116	4.77420	-.40100	4.96660	.03960	25.00000	.03780	-25.11000	-25.12200	5.01530	4.91780
.252	-20.046	4.81660	-.32180	5.00400	.01980	25.00000	.04730	-20.08700	-20.00500	5.01340	4.99460
.252	-15.041	4.90970	-.45070	4.98970	.02970	25.00000	.01890	-15.05500	-15.02600	5.00210	4.97730
.252	-9.996	5.02550	-.34470	5.05610	.16830	25.00000	.07560	-10.05700	-9.93410	5.00720	5.10510
.252	-5.004	5.15000	-.38300	5.00440	.02970	25.00000	.01890	-5.01820	-4.99060	5.01820	4.99060
.252	.022	5.27120	-.46790	5.02880	.13860	25.00000	.04730	-.00150	.04580	4.99350	5.06410
.252	4.961	5.39340	-.36410	5.00060	.11880	25.00000	.06620	4.99350	4.92770	5.00500	4.99610
.252	9.957	5.50760	-.31490	5.00120	.00000	25.00000	.03780	9.98820	9.92490	5.02850	4.97390
.251	15.149	5.62730	-.42700	5.18060	.06930	25.00000	-.00990	15.01700	15.28100	5.01180	5.34930
	GRADIENT	.02474	.02102	-.00571	-.00401	.00000	.00383	1.01146	.98856	.00233	-.01377

ARC 218-1-12 OA101 (OV102) (C2Q039) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 216/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-30.081	10.53000	.00030	5.00320	.01980	25.00000	.09460	-30.12900	-30.03300	5.03100	4.97530
.251	-25.104	10.48400	-.00080	4.93770	-.11070	25.00000	.01890	-25.10500	-25.10200	5.01000	4.86550
.252	-20.108	10.53100	.00080	5.05170	.04950	25.00000	.12290	-20.06100	-20.15500	5.01880	5.08470
.252	-15.023	10.63500	.00150	5.00800	-.07050	25.00000	.03780	-15.04900	-14.99700	5.01860	4.99730
.252	-9.983	10.79800	.00250	5.05380	.20790	25.00000	.07560	-10.04200	-9.92390	5.02220	5.08540
.252	-5.014	10.91700	.00360	5.01390	.00990	25.00000	-.03950	-5.01820	-5.00960	5.01820	5.00960
.252	.012	11.01000	.00500	5.03360	.00000	25.00000	-.04930	.00300	.02070	4.99800	5.06930
.251	4.955	11.21400	.00610	4.98930	.00000	25.00000	-.02960	4.99070	4.91960	4.99070	4.98800
.251	9.943	11.37000	.00770	5.01170	.00000	25.00000	.04730	9.98960	9.89550	5.01040	5.01300
.251	15.139	11.39400	.01110	5.17560	-.03020	25.00000	-.01970	15.00300	15.27600	5.00690	5.34430
	GRADIENT	.04127	.00022	-.00896	.00000	-.00000	.00399	1.00896	.99100	-.00148	-.01645

ARC 218-1-12 OA101 (OV102) (C2Q040) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 221/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-22.911	-.09950	.00550	-.05670	.03700	.00000	25.00000	-.00570	-.10760	.00570	.06830
.251	-18.119	-.23520	.00740	-.02530	.01060	.07920	25.00000	-.01150	-.03920	.01150	.00970
.251	-14.965	-.16390	.00910	-.04480	.03510	.00000	25.00000	-.00650	-.08310	.01650	.05370
.252	-10.052	-.12270	.01150	-.02610	.00580	-.01010	25.00000	-.03260	-.01960	.00190	.00970
.251	-5.010	-.18760	.01450	-.02780	-.00250	-.07050	25.00000	-.02620	-.02940	-.01470	.00970
.251	-2.467	-.26500	.01470	-.02060	.01050	.05940	25.00000	-.01660	-.02450	.00640	.01460
.251	.161	-.15330	.01700	-.05950	.03990	.06930	25.00000	-.01150	-.10760	.01150	.06830
.252	2.594	-.25550	.01620	-.03520	.00560	.00000	25.00000	-.01660	-.05390	.00640	.00470
.251	5.064	-.27770	.01790	-.05800	.02280	.00000	25.00000	-.03770	-.07830	-.00320	.04880
.252	10.168	-.19410	.02010	-.07530	.05520	.15840	25.00000	-.03320	-.11730	.01280	.09770
	GRADIENT	.00242	.00030	-.00306	-.00081	-.01153	-.00000	.00003	-.00615	.00003	-.00166

ARC 218-1-12 OA101 (OV102) (C20041) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 222/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-22.796	4.82870	.03330	-.01790	.01320	.10890	25.00000	.00350	-.03920	.02650	-.00010
.251	-17.989	4.74670	.03830	-.02770	.01310	.03960	25.00000	-.00650	-.04900	.01650	.00970
.251	-14.955	4.75430	.03970	-.01730	.03240	.02970	25.00000	.01430	-.04890	.02580	.03910
.251	-10.084	4.83950	.03870	-.05470	.03500	.09900	25.00000	-.01150	-.09780	.01150	.05850
.252	-5.068	4.88900	.03990	-.05940	.03430	-.03020	25.00000	-.02110	-.09780	-.00960	.07810
.252	-2.497	4.73210	.04680	-.02240	.02250	.04950	25.00000	-.00070	-.04400	.01080	.03420
.251	.028	4.80840	.04590	-.02720	.03220	.10890	25.00000	-.00070	-.05370	.01080	.05370
.252	2.537	4.79910	.04710	-.04290	.01350	-.03020	25.00000	-.01220	-.07350	.02230	.00470
.251	5.064	4.92920	.04430	-.03730	.01240	.05940	25.00000	-.01600	-.05870	-.00450	.02920
.252	10.148	4.75730	.05330	-.05460	.00000	.04950	25.00000	-.02110	-.08820	-.00960	.00950
	GRADIENT	.01333	.00006	-.00407	-.00178	-.01579	.00000	-.00228	-.00586	.00228	-.00585

ARC 218-1-12 OA101 (OV102) (C20042) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 206/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.248	-22.911	5.72230	.01390	-.02450	.00970	.17820	25.00000	.00000	-.04890	.00000	.01950
.248	-18.054	5.80630	.01670	-.04200	.02160	.12870	25.00000	-.02040	-.06350	-.02040	.06350
.248	-15.063	5.82170	.01900	.01550	-.00050	.10890	25.00000	.01500	.01590	.01500	-.01590
.248	-9.894	5.90510	.02300	-.01470	.00490	-.04030	25.00000	.00000	-.02940	.00000	.00970
.248	-4.888	5.86910	.02640	-.04730	.00710	-.11070	25.00000	-.02130	-.07340	-.02980	.04390
.249	-2.447	5.75630	.02770	-.03950	.01420	-.03020	25.00000	-.02040	-.05870	-.02040	.04880
.248	.057	5.78690	.03070	-.02740	.00770	-.06040	25.00000	-.00570	-.04900	.00570	.00970
.248	2.613	5.78420	.03220	-.02260	.00750	-.02010	25.00000	-.01600	-.02930	-.00450	.01950
.248	5.111	5.82130	.03390	-.01780	-.01740	-.05030	25.00000	-.02620	-.00940	-.01470	-.02000
.248	10.207	5.94320	.03810	-.02780	.00240	.12870	25.00000	-.02620	-.02930	-.01470	.01950
.251	18.233	5.82150	.04360	-.01020	.01020	.00000	25.00000	-.00070	-.01960	.01080	.00970
.251	23.094	5.93680	.04750	.00260	.00740	.00000	25.00000	.01000	-.00490	.01000	.00490
	GRADIENT	-.00886	.00082	.00344	-.00022	.00962	.00000	.00121	.00568	.00406	-.00449

ARC 218-1-12 OA101 (OV102) (C2Q043) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 223/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-22.911	11.01300	.02320	-.02270	.02780	.00990	25.00000	-.00150	-.04400	.02150	.03420
.252	-17.928	11.08400	.02480	-.03010	.02530	.04950	25.00000	-.00650	-.05380	.01650	.03410
.252	-15.024	10.99200	.02640	-.03060	.02570	.09900	25.00000	-.01720	-.04400	.01720	.03420
.252	-9.989	10.99200	.02800	-.03560	.03050	.02970	25.00000	-.02240	-.04890	.01210	.04890
.252	-5.000	11.08700	.03070	-.03010	.01070	-.01010	25.00000	.00350	-.06370	.02650	-.00510
.252	-2.397	11.12800	.03280	-.04860	.03880	.11880	25.00000	-.02370	-.07340	.03370	.04390
.252	.019	11.10000	.03560	-.01840	.01350	-.04030	25.00000	-.01720	-.01960	.01720	.00970
.252	2.518	11.03500	.03650	-.03510	.01060	-.01010	25.00000	-.00650	-.06370	.01650	.00470
.251	5.026	11.02000	.03770	-.04500	.02510	.17820	25.00000	-.01660	-.07340	.00640	.04390
.252	10.168	10.98800	.04040	-.02820	.01840	.18810	25.00000	-.01220	-.04410	.02230	.01460
	GRADIENT	-.00727	.00081	.00057	-.00097	-.00608	.00000	-.00099	.00211	-.00184	-.00010

ARC 218-1-12 OA101 (OV102) (C2Q044) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 224/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-22.854	16.41200	.02930	-.04990	.03000	.00990	25.00000	-.01660	-.08310	.00640	.05370
.250	-18.022	16.33000	.03050	-.02730	.02240	.07920	25.00000	-.00570	-.04890	.00570	.03910
.251	-15.043	16.42700	.03170	-.03270	.01300	.09900	25.00000	-.01150	-.05390	.01150	.01450
.251	-9.946	16.35200	.03320	-.03270	.01790	.18810	25.00000	-.01150	-.05380	.01150	.02430
.251	-4.990	16.41300	.03570	-.04740	.02280	.33660	25.00000	-.01150	-.08320	.01150	.03410
.251	-2.497	16.27400	.03660	-.01530	.02550	.00000	25.00000	.00850	-.03910	.03150	.01950
.251	.038	16.37800	.03810	-.02040	.01060	.00000	25.00000	-.00650	-.03430	.01650	.00480
.251	2.584	16.39500	.04120	-.02320	-.00190	.07920	25.00000	-.02680	-.01960	-.00380	-.00010
.251	5.054	16.30900	.04450	-.02730	.00770	.00000	25.00000	-.00070	-.05390	.01080	.00470
.251	10.187	16.32300	.04620	-.02000	.00530	.10890	25.00000	-.00570	-.03430	.00570	.00480
	GRADIENT	.00206	.00071	.00266	-.00353	-.03039	.00000	-.00243	.00773	-.00243	-.00464

ARC 218-1-12 OA101 (OV102) (C2Q045) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RN/L =	5.000		

RUN NO. 225/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-22.892	5.47530	2.22510	-.02250	.04280	.12870	25.00000	.00350	-.04840	.02650	.05910
.252	-18.022	5.48270	2.25010	-.01790	.02290	.04950	25.00000	-.00650	-.02930	.01650	.02930
.252	-15.082	5.48400	2.25330	-.01310	.01310	.11880	25.00000	-.01150	-.01470	.01150	.01470
.251	-9.968	5.47960	2.19410	-.02220	.03720	.05940	25.00000	.00930	-.05370	.02080	.05370
.252	-4.898	5.49140	2.34330	-.01830	.02830	.10890	25.00000	-.00720	-.02930	.02730	.02930
.251	-2.457	5.48790	2.34930	-.00770	.00780	-.12080	25.00000	-.00070	-.01470	.01080	.00490
.251	.028	5.49300	2.36010	-.03020	.03020	.15840	25.00000	-.01150	-.04890	.01150	.04890
.251	2.622	5.47990	2.25260	-.03800	.00770	-.01010	25.00000	-.03190	-.04400	-.00890	.02440
.250	5.073	5.49140	2.35560	-.03270	.02760	.11880	25.00000	-.01660	-.04890	.00640	.04890
.252	10.138	5.48400	2.29940	-.03170	.00110	-.11070	25.00000	-.05360	-.00980	-.00760	.00980
	GRADIENT	-.00119	-.01058	-.00327	-.00158	-.00313	.00000	-.00342	-.00313	-.00432	.00116

ARC 218-1-12 OA101 (OV102) (C2Q046) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 208/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-7.927	.08780	-.02200	.00730	.10890	25.00000	-4.92910	.00000	-.04410	.00000	.01460
.253	-5.459	.07810	-.01950	.00490	.07920	25.00000	-4.97040	.00500	-.04410	.00500	.00480
.253	-.080	.05120	-.01500	.02000	-.01010	25.00000	-4.94980	-.00070	-.02930	.01080	.02930
.253	2.469	.03910	-.01280	-.00210	.09900	25.00000	-4.92910	-.01090	-.01470	.00060	-.00490
.253	5.723	.02440	-.01460	.00000	-.01010	25.00000	-4.99980	.01000	-.03920	.01000	-.00990
.252	7.188	.02430	-.03700	.02250	.02970	25.00000	-4.99000	.00430	-.07830	.01580	.02920
.253	8.830	.02420	-.01470	.00000	-.03020	25.00000	-4.91880	.00000	-.02940	.00000	-.00010
.253	11.027	.02400	-.02730	.01750	.00000	25.00000	-5.03880	-.00570	-.04890	.00570	.02930
.252	13.181	.02390	-.02270	-.00230	.00000	25.00000	-4.99000	-.01600	-.02940	-.00450	-.00010
.252	16.642	.02330	-.02250	.00770	.02970	25.00000	-4.98030	-.00570	-.03920	.00570	.00970
.251	18.524	.02280	-.03670	.01710	.00000	25.00000	-5.03880	.00500	-.07830	.00500	.02920
	GRADIENT	-.00475	.00086	-.00867	.04279	.00000	.00812	-.00400	.00573	-.00400	-.01341

ARC 218-1-12 OA101 (OV102) (C2Q047) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 234/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.137	5.33840	-.02460	.01440	.07920	25.00000	-5.01930	-.01020	-.03910	-.01020	.03910
.251	-4.163	5.31790	-.01500	-.02030	.03960	25.00000	-4.99000	-.02550	-.00450	-.02550	-.01510
.251	-2.066	5.29740	-.01730	.00220	.01980	25.00000	-4.99000	-.01020	-.02450	-.01020	.01460
.251	-1.043	5.28670	-.02010	-.01030	-.16110	25.00000	-4.98030	-.02550	-.01470	-.02550	.00490
.251	-.226	5.28180	-.00490	.00000	-.07050	25.00000	-4.99980	.00000	-.00980	.00000	.00000
.251	.610	5.28650	.00270	-.00270	.00000	25.00000	-5.02910	.00000	.00530	.00000	-.00530
.251	1.074	5.29330	-.02740	-.00300	.08910	25.00000	-4.99000	-.02550	-.02930	-.02550	.01950
.251	2.090	5.30070	-.01250	-.01780	.02970	25.00000	-4.97040	-.02040	-.00450	-.02040	-.01510
.251	3.137	5.30880	-.02460	.01450	.03960	25.00000	-5.00950	-.00510	-.04400	-.00510	.03420
.251	4.147	5.31540	-.01750	-.00780	-.03020	25.00000	-5.00950	-.02040	-.01470	-.02040	.00490
.251	6.185	5.33450	-.02210	.00720	.01980	25.00000	-5.07790	-.00510	-.03910	-.00510	.01950
.251	8.227	5.35380	-.02710	.00710	.00000	25.00000	-4.94980	-.01020	-.04400	-.01020	.02440
.251	10.204	5.37450	-.00730	.00240	-.01010	25.00000	-4.99000	.00000	-.01470	.00000	.00490
	GRADIENT	.00057	-.00054	.00147	.00281	.00000	-.00202	.00066	-.00173	.00066	.00229

ARC 218-1-12 OA101 (OV102) (C2Q048) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = -22.800
RN/L = 5.000

RUN NO. 233/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.146	5.30460	-.00750	-.01280	.02970	25.00000	-22.90200	-.01530	.00040	-.01530	-.01020
.252	-4.171	5.28980	-.00740	-.01270	.00000	25.00000	-22.88200	-.01020	-.00450	-.01020	-.01510
.251	-2.095	5.28040	-.01980	.00960	.13860	25.00000	-22.91100	-.01020	-.02930	-.01020	.02930
.251	-1.017	5.27660	-.01710	.01220	.00000	25.00000	-22.92100	.00000	-.03420	.00000	.02440
.251	-.226	5.27480	-.00490	.00490	.00990	25.00000	-22.82500	.00000	-.00980	.00000	.00980
.251	.598	5.28600	-.00490	-.00490	.07920	25.00000	-22.87300	.00000	-.00980	.00000	-.00980
.251	1.469	5.28640	-.01740	-.00280	.00990	25.00000	-22.90200	-.01530	-.01960	-.01530	.00970
.251	2.091	5.28950	-.01740	-.00280	.16830	25.00000	-22.91100	-.01530	-.01960	-.01530	.00970
.251	3.149	5.29640	-.01010	-.00520	.17820	25.00000	-22.90200	-.01530	-.00490	-.01530	.00490
.251	4.138	5.30010	-.01480	-.00500	.00000	25.00000	-22.86300	-.00510	-.02450	-.00510	-.00500
.251	6.181	5.31400	-.00990	-.00500	.00000	25.00000	-22.86300	-.00510	-.01470	-.00510	-.00490
.251	8.201	5.32710	-.00490	-.01020	.07920	25.00000	-22.89200	-.01020	.00040	-.01020	-.01020
.251	10.200	5.33570	-.02700	.00720	.00000	25.00000	-22.89200	-.00510	-.04890	-.00510	.01950
	GRADIENT	.00189	-.00031	-.00050	.00775	-.00000	.00075	-.00052	-.00013	-.00052	-.00050

ARC 218-1-12 OA101 (OV102) (C2Q049) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 211/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-7.937	-.05000	-.01230	-.00250	-11.64400	25.00000	.04730	.00000	-.02450	.00000	-.00500
.252	-5.544	-.03600	-.02740	.00280	-11.75600	25.00000	.07560	-.00570	-.04900	.00570	-.00010
.252	-.140	-.00370	-.02500	-.00460	-11.72100	25.00000	.03780	-.01090	-.03920	.00060	-.00990
.252	2.433	.01210	-.02740	.00770	-11.72100	25.00000	.08510	-.00570	-.04900	.00570	.00970
.252	5.764	.02430	-.02250	.00770	-11.85900	25.00000	.03780	-.00570	-.03920	.00570	.00970
.252	8.950	.01050	-.02730	-.00770	-11.70400	25.00000	.09460	-.01530	-.03920	-.01530	-.00010
.252	11.035	.00180	-.03260	-.00730	-11.71300	25.00000	.00950	-.02110	-.04410	-.00960	-.00500
.252	13.158	-.00700	-.04250	.01790	-11.73000	25.00000	.03780	-.01150	-.07340	.01150	.02430
.252	16.249	-.02010	-.02190	.02210	-11.62700	25.00000	.01890	.01500	-.05870	.01500	.02920
.251	18.496	-.02970	-.02000	.00530	-11.79900	25.00000	.02840	-.00570	-.03430	.00570	.00480
	GRADIENT	.00614	-.00093	.00478	.00000	.00000	.01838	.00202	-.00381	.00198	.00762

ARC 218-1-12 0A101 (0V102) (C2Q050) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 212/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-7.799	-.00710	-.00520	.00540	16.38800	25.00000	.01890	.00930	-.01960	.02080	-.00990
.252	-5.335	-.00230	-.01980	.02010	16.40600	25.00000	.01890	.00930	-.04890	.02080	.01950
.252	-.101	.01290	-.03470	.01010	16.37900	25.00000	.07560	-.00570	-.06370	.00570	.01450
.252	2.526	.02040	-.02520	.01560	16.42400	25.00000	-.00990	-.00150	-.04900	.02150	.00970
.252	5.723	.02520	-.03240	.00270	16.46000	25.00000	.04730	-.01090	-.05390	.00060	.00470
.252	7.377	.01820	-.05420	.03950	16.43300	25.00000	.04730	-.00570	-.10270	.00570	.07320
.252	8.940	.01130	-.03510	.01060	16.37900	25.00000	-.02960	-.01150	-.05880	.01150	.00960
.252	11.136	.00230	-.02250	.00770	16.40600	25.00000	.03780	-.00570	-.03920	.00570	.00970
.252	13.313	-.00690	-.02240	.01270	16.33400	25.00000	.06620	-.00070	-.04410	.01080	.01460
.252	16.362	-.01980	-.02730	.01750	16.37900	25.00000	.06620	-.00070	-.05380	.01080	.02430
.250	18.593	-.02970	-.03510	.01060	16.58600	25.00000	.05670	-.01150	-.05880	.01150	.00960
	GRADIENT	.00286	.00362	.00209	.01713	.00000	-.03255	.00160	.00560	.00601	-.00183

ARC 218-1-12 0A101 (0V102) (C2Q051) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 213/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-7.716	-.06550	-.02270	.02780	22.50000	25.00000	.02840	-.00150	-.04400	.02150	.03420
.252	-5.429	-.04910	-.01990	.02010	22.50000	25.00000	-.02960	.00430	-.04400	.01580	.02440
.252	-.015	-.01150	-.02530	.01550	22.50000	25.00000	-.04930	-.00650	-.04410	.01650	.01460
.252	2.544	.00740	-.01270	-.00210	22.50000	25.00000	-.03950	-.00570	-.01960	.00570	-.00990
.253	5.796	.02260	-.01740	.01760	22.50000	25.00000	.01890	.00430	-.03910	.01580	.01950
.252	7.245	.01010	-.01510	.00530	22.50000	25.00000	.01890	-.00570	-.02450	.00570	.00480
.252	8.990	-.00510	-.01800	.00330	22.50000	25.00000	.01890	-.00650	-.02940	.01650	-.00990
.252	11.174	-.02410	-.02090	.01100	22.50000	25.00000	.01890	-.01720	-.02450	.01720	.00480
.252	13.300	-.04260	-.02290	.00320	22.50000	25.00000	.02840	-.01150	-.03430	.01150	-.00500
.251	16.490	-.07060	-.03020	.01550	22.50000	25.00000	.00000	-.01150	-.04890	.01150	.01950
.250	18.657	-.08890	-.04480	.04000	22.50000	25.00000	-.02960	-.00650	-.08310	.01650	.06350
	GRADIENT	.00738	.00492	-.00688	-.00000	.00000	.00383	.00031	.00957	-.00422	-.00957

ARC 218-1-12 OA101 (OV102) (C2Q052) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 219/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-11.627	-.18500	.02570	-.01560	-.00410	25.00000	.10400	-.01150	-.01970	.01150	-.01970
.252	-7.921	-.19500	.02530	-.02510	.00510	25.00000	.07560	-.01600	-.03430	-.00450	.01460
.252	-6.056	-.17220	.02500	-.01280	-.00210	25.00000	.00000	-.01090	-.01470	.00060	-.00490
.251	-3.072	-.11750	.02520	-.03470	.01990	25.00000	-.01970	-.00570	-.06360	.00570	.03410
.251	-.010	-.20650	.02510	-.03710	.02240	25.00000	.00950	-.00570	-.06850	.00570	.03900
.251	3.144	-.09190	.02530	-.03470	.01010	25.00000	-.02960	-.00570	.06370	.00570	.01450
.250	6.020	-.08310	.02500	-.02290	.00810	25.00000	.01890	-.01150	-.03430	.01150	.00480
.251	8.071	-.06260	.02520	-.02990	.01010	25.00000	.02840	-.01090	-.04890	.00060	.01950
.251	12.150	-.00850	.02530	-.03480	.01000	25.00000	.02840	-.01090	-.05870	.00060	.01940
.251	16.406	-.16810	.02520	-.02000	.00040	25.00000	.04730	-.00570	-.03430	.00570	-.00500
.251	22.488	-.15230	.02470	-.03480	.01980	25.00000	-.03950	-.01090	-.05870	.00060	.03900
	GRADIENT	.00428	.00002	.00000	-.00159	.00000	-.00165	.00000	-.00001	-.00000	-.00318

ARC 218-1-12 OA101 (OV102) (C2Q053) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 175/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-11.704	5.17330	.02680	-.01510	-.00450	25.00000	.06620	-.00570	-.02450	.00570	-.01480
.251	-8.018	5.18900	.02670	.00010	.00990	25.00000	.09460	.01000	-.00980	.01000	.00980
.250	-6.045	5.18060	.02700	-.02970	.01510	25.00000	.03780	-.00070	-.05870	.01080	.01940
.250	-2.944	5.18500	.02720	-.02230	.02740	25.00000	-.03950	.00430	-.04890	.01580	.03910
.250	.119	5.20030	.02690	-.02780	.01300	25.00000	.02840	-.01150	-.04410	.01150	.01460
.250	3.033	5.23070	.02700	-.01220	.00250	25.00000	.01890	.01000	-.03430	.01000	-.00500
.251	6.010	5.20150	.02660	-.05930	.04420	25.00000	.04730	-.01600	-.10260	-.00450	.09280
.250	8.092	5.22870	.02690	.00270	-.00260	25.00000	.04730	.00500	.00040	.00500	-.01020
.250	12.099	5.24930	.02680	-.05220	.03750	25.00000	.01890	-.01150	-.09290	.01150	.06340
.251	16.424	5.25140	.02670	-.02260	.00760	25.00000	.04730	-.01090	-.03430	.00060	.01460
.250	22.500	5.28760	.02660	-.03470	.01990	25.00000	-.02960	-.00570	-.06360	.00570	.03410
	GRADIENT	.00762	-.00003	.00166	-.00417	-.00000	.00987	.00090	.00243	-.00097	-.00738

ARC 218-1-12 OA101 (OV102) (C2Q054) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 187/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-11.713	5.80090	.02530	.00530	.02570	25.00000	.15130	.00930	.00130	.02080	.03070
.252	-8.028	5.75420	.02530	.06610	-.03950	25.00000	.05670	-.00570	.13800	.00570	-.08470
.252	-6.089	5.79210	.02600	-.08730	.11300	25.00000	.10400	.01500	-.18960	.01500	.21100
.251	-2.955	5.79780	.02590	-.10980	.12550	25.00000	.05670	-.00070	-.21890	.01080	.24030
.251	-.071	5.73860	.02610	.05550	-.03950	25.00000	.14180	-.00570	.11680	.00570	-.08480
.251	3.013	5.65330	.02600	.02650	-.03660	25.00000	.04730	-.01090	.06400	.00060	-.07390
.251	6.030	5.75480	.02550	.08450	-.07950	25.00000	.11350	-.00070	.16970	.01080	-.16970
.251	8.092	5.78660	.02560	-.04140	.05230	25.00000	.02840	-.01090	-.07190	.00060	.10390
.251	12.027	5.78810	.02520	-.05030	.02480	25.00000	.00000	-.03700	-.06350	-.01400	.06350
.251	16.469	5.80170	.02520	-.03830	.02300	25.00000	.06620	-.03260	-.04400	.00190	.04400
.251	22.500	5.79180	.02550	.09810	-.08750	25.00000	.06620	.00000	.19630	.00000	-.17490
	GRADIENT	-.02425	.00002	.02248	-.02684	-.00000	-.00191	-.00171	.04666	-.00171	-.05200

ARC 218-1-12 OA101 (OV102) (C2Q055) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 220/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-11.781	11.01800	.02280	-.02000	.00530	25.00000	.06620	-.00570	-.03430	.00570	.00480
.251	-8.132	10.98600	.02270	-.06240	.04280	25.00000	.03780	-.01720	-.10760	.01720	.06830
.251	-6.002	10.98200	.02290	-.04240	.01710	25.00000	.01890	-.02620	-.05870	-.01470	.04880
.251	-3.008	11.11200	.02280	-.02000	.00530	25.00000	.00000	-.00570	-.03430	.00570	.00480
.251	-.050	11.12400	.02280	-.02780	.01300	25.00000	.02840	-.01150	-.04410	.01150	.01460
.251	3.043	11.06000	.02290	-.02000	.01510	25.00000	.03780	-.00570	-.03420	.00570	.02440
.251	5.920	11.02500	.02300	-.01040	-.00950	25.00000	.01890	-.01660	-.00410	.00640	-.02540
.251	8.061	11.16200	.02280	-.07310	.05820	25.00000	.09460	-.03390	-.11240	.02360	.09280
.251	12.099	11.19000	.02290	-.03230	.00770	25.00000	-.00990	-.00570	-.05880	.00570	.00960
.251	16.253	11.03800	.02230	-.03750	-.01220	25.00000	.01890	-.02110	-.05390	-.00960	-.01490
.251	22.500	11.15900	.02250	-.05750	.02730	25.00000	.01890	-.03190	-.08310	-.00890	.06350
	GRADIENT	-.00868	.00002	.00002	.00161	-.00000	.00622	.00001	.00004	-.00001	.00324

ARC 218-1-12 OA101 (OV102) (C20056) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 271/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-8.017	.03910	-.00470	.01000	.09900	.00000	.02840	.00000	-.00930	.00000	.02000
.251	-5.552	.03740	-.02960	.01430	-.09060	.00000	.03780	-.01530	-.04400	-.01530	.04400
.251	-4.690	.03680	-.01230	-.00250	.11880	.00000	.09460	-.02550	.00090	-.02550	.02040
.251	-.161	.03820	.01580	.04090	.05940	.00000	.09460	.03430	-.00260	.02570	.05600
.251	2.662	.03000	-.02440	.01960	.00000	.00000	.01890	-.01020	-.03860	-.01020	.04930
.251	4.955	.02770	-.00260	-.00260	.00000	.00000	.02840	-.00510	.00000	-.00510	.00000
.251	5.617	.02490	-.00470	.00510	-.09060	.00000	.05670	-.01020	.00090	-.01020	.02040
.251	7.123	.01670	-.02190	.02210	.02970	.00000	.06620	-.00510	-.03860	-.00510	.04930
.251	8.847	.00830	-.01700	.01720	.05940	.00000	.07560	-.00510	-.02890	-.00510	.03950
.251	11.042	-.00310	-.01950	.01950	-.12080	.00000	.01890	.00000	-.03910	.00000	.03910
.250	13.227	-.01450	-.01490	-.00020	-.09060	.00000	.04730	-.02040	-.00930	-.02040	.02000
.250	16.418	-.03090	-.00690	.00290	.00990	.00000	-.03950	-.03060	.01690	-.03060	.03640
.249	18.662	-.04270	-.01730	.00220	.00000	.00000	.05670	-.02040	-.01420	-.02040	.02490
	GRADIENT	-.00103	-.00012	.00012	-.01333	.00000	-.00834	.00128	-.00152	.00142	-.00117

ARC 218-1-12 OA101 (OV102) (C20057) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 256/ 0 RN/L = 7.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-8.100	.01430	.00760	.01310	.00990	.00000	.10400	.01430	.00090	.00570	.02040
.252	-5.522	.01690	-.00280	.00280	.00990	.00000	.07560	.00430	-.00980	-.00430	.00980
.252	-.130	.02190	-.01970	-.00510	.00990	.00000	.03780	-.00510	-.03430	-.00510	-.00500
.251	2.684	.02550	-.01960	.01460	.09900	.00000	.10400	.00000	-.03910	.00000	.02930
.251	5.655	.02570	-.00320	-.00190	.01980	.00000	.12290	.00340	-.00980	-.01360	.00980
.251	7.231	.02060	-.01300	-.00190	-.05030	.00000	.04730	.00340	-.02940	-.01360	.00970
.251	8.971	.01450	-.00320	-.00190	.03960	.00000	.10400	.00340	-.00980	-.01360	.00980
.251	11.214	.00650	-.00760	.00280	-.03020	.00000	.01890	-.00600	-.00930	-.01450	.02000
.251	13.416	-.00140	-.01790	.00290	.11880	.00000	.10400	-.01190	-.02400	-.02890	.03460
.250	16.709	-.01460	-.02310	-.00230	.00000	.00000	.03780	-.01190	-.03420	-.02890	.02440
.250	18.989	-.02370	-.01740	-.00280	-.02010	.00000	.03780	-.01530	-.01960	-.01530	.00970
	GRADIENT	.00128	.00004	.00700	.03167	.00000	.02353	.00181	-.00171	.00181	.01219

ARC 218-1-12 OA101 (OV102) (C20058) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 259/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.188	-5.41860	-.01290	.00790	.17820	.00000	.11350	.00850	-.03420	-.00850	.02440
.251	-4.182	-5.61390	-.02470	.02470	.04950	.00000	.12290	.00430	-.05370	-.00430	.05370
.251	-2.088	-5.61890	-.00100	.00100	.04950	.00000	.09460	.01280	-.01470	-.01280	.01470
.251	.045	-5.61770	-.00800	-.01160	.00000	.00000	.12290	.00850	-.02450	-.00850	-.01480
.251	2.034	-5.51330	-.00560	.01090	.00000	.00000	.04730	.01280	-.02400	-.01280	.03460
.251	4.145	-5.45780	-.00370	.00370	-.13090	.00000	.07560	.01700	-.02440	-.01700	.02440
.251	6.131	-5.48990	-.01290	.00790	.10890	.00000	.07560	.00850	-.03420	-.00850	.02440
.251	7.437	-5.40210	-.01770	.01770	.00000	.00000	.06620	.00850	-.04400	-.00850	.04400
	GRADIENT	.02002	.00180	-.00158	-.01976	.00000	-.00677	.00122	.00238	-.00122	-.00193

ARC 218-1-12 OA101 (OV102) (C20059) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 260/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.348	.00820	-.00480	.01480	.01980	.00000	.09460	.01000	-.01950	.01000	.01950
.251	-4.263	-.07100	-.01290	.01830	.01980	.00000	.10400	.01280	-.03860	-.01280	.04930
.251	-3.175	-.05620	-.00540	-.01500	.03960	.00000	.10400	-.01620	.00530	-.02470	-.00530
.251	-2.101	-.09220	.00700	.00340	.00990	.00000	.10400	.01350	.00040	-.00350	.01020
.251	-1.080	-.10000	-.00040	.00570	.18810	.00000	.17970	.00850	-.00930	-.00850	.02000
.250	-.002	-.21790	-.04700	.02690	.14850	.00000	.25530	-.02130	-.07280	-.02980	.08350
.251	.535	-.19700	.00300	-.00790	.02970	.00000	.17970	.02550	-.01960	-.02550	.00970
.251	1.067	-.10950	-.00100	.01190	.14850	.00000	.06620	.01610	-.01820	-.02640	.05020
.251	2.121	-.04270	-.02110	.02610	.04950	.00000	.10400	.02630	-.06840	-.01620	.06840
.251	3.153	-.05160	-.01140	.01140	-.05030	.00000	.07560	.02130	-.04400	-.02130	.04400
.251	4.197	-.07820	-.00590	.01680	.04950	.00000	.11350	.01610	-.02800	-.02640	.06000
.251	6.239	-.03380	-.01880	-.01560	.17820	.00000	.11350	.02130	-.05880	-.02130	-.01000
.251	8.210	.00680	-.00870	-.01100	.06930	.00000	.02840	.01700	-.03430	-.01700	-.00500
.250	10.273	.03600	-.02630	.03130	.07920	.00000	.07560	.03050	-.08310	-.02050	.08310
	GRADIENT	.00038	-.00063	.00181	-.00200	.00000	-.00212	.00262	-.00388	-.00142	.00506

ARC 218-1-12 0A101 (0V102) (C2Q060) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	3.000		

RUN NO. 257/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.215	5.44220	-.01720	.02760	.00000	.00000	.07560	-.00070	-.03370	.01080	.04440
.252	-4.235	5.41370	-.01970	.03000	.01980	.00000	.09460	-.00070	-.03860	.01080	.04930
.252	-2.124	5.38040	-.01000	.01530	.00000	.00000	.04730	-.00570	-.01420	.00570	.02490
.251	-1.084	5.36920	-.02010	.01500	-.01010	.00000	.06620	-.01090	-.02930	.00060	.02930
.252	-.211	5.35540	-.02680	.02700	-.02010	.00000	.06620	-.00510	-.04840	-.00510	.05910
.252	.624	5.35650	-.01200	.01730	-.06040	.00000	.10400	.00000	-.02400	.00000	.03460
.252	1.104	5.35820	.00970	-.01480	.10890	.00000	.07560	.00340	.01590	-.01360	-.01590
.251	2.149	5.36220	-.01910	.02490	.00000	.00000	.10400	-.01020	-.02800	-.01020	.06000
.251	3.197	5.36360	-.01950	.01950	.06930	.00000	.16070	.00000	-.03910	.00000	.03910
.252	4.222	5.36320	-.02200	.02200	.00000	.00000	.03780	.00000	-.04400	.00000	.04400
.252	6.274	5.37460	-.00490	.00490	.02970	.00000	.03780	.00000	-.00980	.00000	.00980
.251	8.311	5.38210	-.03160	.04160	.00990	.00000	.10400	.01000	-.07330	.01000	.07330
.251	10.317	5.39200	-.00860	.00860	.08910	.00000	.03780	.01700	-.03420	-.01700	.03420
	GRADIENT	-.00509	-.00008	-.00074	.00340	.00000	.00270	.00038	-.00056	-.00159	.00012

ARC 218-1-12 OA101 (OV102) (C20061) (01 FEB 78)

PEFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 261/ 0 RN/L = 7.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.136	11.13300	-.00230	.00260	-.01010	.00000	.23640	-.00510	.00040	-.00510	.01020
.250	-4.157	11.27600	-.01510	-.00960	.13860	.00000	.09460	-.00090	-.02940	-.00940	-.00990
.250	-2.053	11.29300	-.05230	.04720	.00990	.00000	.10400	-.01660	-.08790	.00640	.08790
.250	-1.130	11.23800	-.03580	.02110	.02970	.00000	.11350	.02130	-.09290	-.02130	.06340
.251	.008	10.94200	.01380	-.00850	.06930	.00000	.05670	.01700	.01060	-.01700	.00000
.251	.505	10.92000	-.01350	-.01710	.03960	.00000	.00000	-.02210	-.00490	-.03910	.00490
.250	1.001	10.84900	-.02580	-.00920	.00000	.00000	.14180	-.00260	-.04900	-.02810	.00970
.250	2.159	11.23200	-.02710	.02730	-.12080	.00000	.04730	-.00090	-.05330	-.00940	.06400
.250	3.146	11.22800	-.00780	.00810	-.01010	.00000	.11350	.00340	-.01910	-.01360	.02980
.250	4.222	11.22000	-.00070	-.00430	.09900	.00000	.02840	.00850	-.00980	-.00850	.00000
.251	6.199	11.21300	-.02510	.01040	.10890	.00000	.10400	.00850	-.05870	-.00850	.02920
.251	8.292	11.14600	-.03490	.02980	.11880	.00000	.14180	.00340	-.07330	-.01360	.07330
.251	10.266	11.24900	-.01280	.01280	.05940	.00000	.10400	.00850	-.03420	-.00850	.03420
	GRADIENT	-.01012	.00291	-.00100	-.01073	.00000	-.00549	.00076	.00506	-.00072	-.00127

ARC 218-1-12 OA101 (OV102) (C20062) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 262/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-5.776	16.91100	-.04540	.03530	.04950	.00000	.08510	.01190	-.10260	-.02210	.09280
.251	-3.911	16.80000	-.00250	.03780	-.02010	.00000	.03780	.03850	-.04350	.02150	.05420
.250	-2.069	16.80800	-.00500	.02000	.07920	.00000	.13240	.01930	-.02930	.01070	.02930
.251	-.012	16.79800	.03090	.00010	.05940	.00000	.06620	.01930	.04250	.01070	-.01050
.251	2.083	16.73200	-.00260	.03290	-.03020	.00000	.04730	.03350	-.03860	.01650	.04930
.251	4.088	16.74100	.00750	.01850	.08910	.00000	.15130	.01850	-.00350	.00150	.03550
.251	6.130	16.72900	.00520	.03090	.05940	.00000	.15130	.02850	-.01820	.01150	.05020
.251	7.071	16.67700	.00270	.03260	-.08050	.00000	.06620	.03430	-.02890	.02570	.03950
	GRADIENT	-.00973	.00108	-.00121	.00515	.00000	.00687	-.00123	.00340	-.00167	-.00075

ARC 218-1-12 OA101 (OV102) (C2Q063) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 269/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-22.815	-5.69620	-.04040	-.01470	-.00490	.05940	.00000	.00000	-.02940	.00000	-.00990
.251	-18.032	-5.69730	-.03690	-.01230	-.00250	.15840	.00000	-.02550	.00090	-.02550	.02040
.251	-15.053	-5.69630	-.03670	-.00750	-.01280	.10890	.00000	-.01530	.00040	-.01530	-.01020
.251	-10.042	-5.69580	-.03490	-.04650	.01700	-.09060	.00000	.00000	-.09300	.00000	.03400
.251	-4.939	-5.69570	-.03100	-.01960	.01460	-.05030	.00000	.00000	-.03910	.00000	.02930
.251	-2.417	-5.69590	-.03060	-.00310	.00310	.05940	.00000	-.01150	.00530	.01150	-.00530
.251	.019	-5.69790	-.02750	-.01020	.01020	-.05030	.00000	-.00070	-.01960	.01080	.00970
.251	2.518	-5.69870	-.03050	-.02240	.02250	-.05030	.00000	-.00070	-.04400	.01080	.03420
.251	5.102	-5.70040	-.02800	-.02200	.00730	.02970	.00000	.00000	-.04410	.00000	.01460
.251	10.050	-5.69710	-.02560	-.02930	.02930	.00000	.00000	.00000	-.05860	.00000	.05860
	GRADIENT	-.00044	.00018	-.00061	.00123	-.00432	.00000	.00034	-.00157	.00128	.00118

ARC 218-1-12 OA101 (OV102) (C2Q064) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 265/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-22.796	-.14740	.02330	.00520	-.00010	-.01010	.00000	.01500	-.00450	.01500	-.01510
.251	-18.075	-.14920	.02610	.00280	.03220	-.03020	.00000	.03500	-.02930	.03500	.02930
.251	-14.955	-.14770	.02730	.00720	.01280	.03960	.00000	.02430	-.00980	.01570	.00980
.251	-9.999	-.14830	.03140	-.00230	.01230	.08910	.00000	.01000	-.01470	.01000	.01470
.251	-4.960	-.14740	.03440	-.01940	.03500	.02970	.00000	.00930	-.04800	.00070	.06930
.251	-2.497	-.14630	.03680	-.00500	.01510	.07920	.00000	.01930	-.02930	.01070	.01950
.251	.085	-.14770	.03820	-.00740	.02740	.00990	.00000	.02430	-.03910	.01570	.03910
.251	2.594	-.14710	.04030	-.03100	.05200	.07920	.00000	.00500	-.06700	.00500	.09910
.251	5.111	-.14850	.04280	-.01700	.01230	.04950	.00000	.01500	-.04900	.01500	.00970
.251	10.305	-.14930	.04590	-.00240	.00240	.02970	.00000	.00000	-.00490	.00000	.00490
	GRADIENT	-.00002	.00076	-.00149	.00253	.00307	.00000	-.00032	-.00267	.00070	.00437

ARC 218-1-12 OA101 (OV102) (C2Q065) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 255/ 0 RN/L = 7.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-22.825	5.01960	.01430	-.02960	.02480	.05940	.00000	.00930	-.06850	.00070	.04880
.251	-18.022	5.01900	.01580	-.02440	.01470	.14850	.00000	.01000	-.05870	.01000	.01940
.251	-14.975	5.02090	.01770	-.01500	.00520	.02970	.00000	.00430	-.03430	-.00430	.01460
.251	-9.968	5.02740	.02030	-.00760	.00760	.03960	.00000	.00430	-.01950	-.00430	.01950
.251	-4.836	5.02660	.02420	-.03700	.03210	.02970	.00000	.00430	-.07820	-.00430	.06840
.251	-2.367	5.02330	.02600	-.04400	.02930	-.04030	.00000	.00000	-.08800	.00000	.05850
.250	.095	5.02210	.02860	-.03450	.01990	.00990	.00000	.00930	-.07830	.00070	.03900
.251	2.565	5.02460	.03000	-.01010	-.00460	.10890	.00000	.00430	-.02450	-.00430	-.00500
.251	5.140	5.02280	.03250	-.00980	.00490	.05940	.00000	.00000	-.01960	.00000	.00970
.251	10.148	5.02240	.03600	-.01740	.01740	-.06040	.00000	.00430	-.03910	-.00430	.03910
	GRADIENT	-.00029	.00081	.00366	-.00485	.01167	.00000	.00038	.00693	.00003	-.00972

ARC 218-1-12 OA101 (OV102) (C2Q066) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 266/ 0 RN/L = 7.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-22.902	11.15800	.00560	-.01990	.01990	.08910	.00000	.00430	-.04400	-.00430	.04400
.251	-17.957	11.16200	.00900	-.02200	.02200	.05940	.00000	.00000	-.04400	.00000	.04400
.251	-14.883	11.16200	.01040	-.03190	.02680	.00000	.00000	-.00510	-.05860	-.00510	.05860
.251	-10.116	11.16300	.01340	.00010	.01050	.02970	.00000	.00430	-.00400	-.00430	.02530
.251	-4.888	11.16300	.01750	-.01500	.01500	.07920	.00000	.00430	-.03420	-.00430	.03420
.251	-2.407	11.16700	.02010	-.01970	.02000	-.01010	.00000	.01930	-.05870	.01070	.02920
.251	.038	11.16100	.02180	-.00750	.00780	.00990	.00000	-.00090	-.01420	-.00940	.02490
.251	2.565	11.16600	.02460	-.01480	.00970	.00990	.00000	-.00510	-.02440	-.00510	.02440
.251	5.130	11.16500	.02630	-.02500	-.00050	.01980	.00000	-.02550	-.02440	-.02550	.02440
.251	9.992	11.17000	.02900	-.00700	.01260	-.01010	.00000	-.00510	-.00890	-.00510	.03020
	GRADIENT	.00013	.00093	.00051	-.00113	-.00757	.00000	-.00195	.00296	-.00090	-.00136

ARC 218-1-12 OA101 (OV102) (C2Q067) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 267/ 0 RN/L = 7.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-22.708	16.71700	-.00130	-.00970	.01470	.00000	.00000	.00500	-.02440	.00500	.02440
.250	-18.075	16.71800	.00140	-.01900	.03470	.04950	.00000	.00500	-.04310	.00500	.06440
.251	-15.053	16.72500	.00220	-.03170	.03180	-.09060	.00000	.00500	-.06840	.00500	.05860
.250	-9.936	16.73100	.00570	-.02410	.03940	-.04030	.00000	.01000	-.05820	.01000	.06880
.250	-4.764	16.73600	.00870	-.00450	.01990	.07920	.00000	.01000	-.01910	.01000	.02980
.250	-2.407	16.73800	.01260	-.01950	.03020	-.02010	.00000	-.00570	-.03330	.00570	.05460
.250	.057	16.73900	.01490	-.00680	.02250	.00000	.00000	.00500	-.01860	.00500	.04000
.250	2.575	16.74200	.01640	-.02910	.03440	-.11070	.00000	.00000	-.05820	.00000	.06880
.250	5.083	16.74100	.01820	-.02940	.05940	.05940	.00000	.02430	-.08310	.03570	.08310
.250	9.943	16.74100	.02280	-.03910	.03420	.00990	.00000	.00500	-.08310	.00500	.06350
	GRADIENT	.00078	.00103	-.00250	.00146	-.02244	.00000	-.00077	-.00422	-.00125	.00418

ARC 218-1-12 OA101 (OV102) (C2Q068) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 17.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = .000
RN/L = 8.000

RUN NO. 268/ 0 RN/L = 7.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.249	-22.863	18.97800	-.00450	-.00960	.02460	-.05030	.00000	.01500	-.03420	.01500	.03420
.249	-18.032	19.00500	-.00190	.03130	-.01070	.08910	.00000	.00430	.05840	.01580	-.03710
.249	-15.043	19.00900	-.00050	.00540	-.00520	.04950	.00000	.01500	-.00410	.01500	-.02540
.250	-9.957	19.00600	.00230	-.03210	.03720	.10890	.00000	.00430	-.06840	.01580	.05860
.250	-4.909	19.01100	.00490	-.01190	.01740	.00990	.00000	.03000	-.05390	.03000	.00470
.249	-2.467	19.00900	.00970	-.01740	.01760	.00000	.00000	-.01090	-.02400	.00060	.03460
.250	.028	19.00800	.01130	-.03210	.01190	.05940	.00000	-.01530	-.04890	-.01530	.03910
.249	2.603	19.00800	.01290	-.00530	.01030	.00000	.00000	-.00070	-.00980	.01080	.00980
.249	5.102	19.00800	.01410	-.02680	.01720	-.06040	.00000	.01000	-.06360	.01000	.02430
.250	10.001	19.00600	.02030	-.03420	.01950	-.08050	.00000	.00000	-.06850	.00000	.03900
	GRADIENT	-.00040	.00102	.00024	-.00108	.00113	.00000	-.00380	.00430	-.00288	.00073

ARC 218-1-12 OA101 (OV102) (C2Q069) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 264/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-8.115	-.05010	-.00970	.00990	.06930	.00000	-4.96010	-.00510	-.01420	-.00510	.02490
.251	-5.615	-.03660	-.01510	-.00530	.02970	.00000	-4.87760	-.02040	-.00980	-.02040	.00980
.251	-.132	-.00580	-.01470	.00000	.04950	.00000	-4.99000	.00000	-.02940	.00000	-.00010
.251	2.685	.01010	-.02450	.00480	.05940	.00000	-5.07790	.00000	-.04900	.00000	.00970
.251	5.675	.02250	-.03970	.02020	.00000	.00000	-5.02910	.01350	-.09300	-.00350	.04380
.251	7.245	.01750	-.04440	.01420	.02970	.00000	-5.10720	-.02040	-.06850	-.02040	.04880
.251	8.980	.01130	-.02700	.00720	.04950	.00000	-5.06810	-.00510	-.04890	-.00510	.01950
.251	11.221	.00370	-.01490	.00470	.10890	.00000	-5.00950	-.01020	-.01950	-.01020	.01950
.251	13.427	-.00400	-.01510	-.00530	.01980	.00000	-5.00950	-.02040	-.00980	-.02040	.00980
.250	16.676	-.01540	.00750	.00750	.06930	.00000	-4.98030	.01500	.00000	.01500	.00000
.247	18.959	-.02320	-.02200	.02200	.01980	.00000	-5.07790	.00000	-.04400	.00000	.04400
	GRADIENT	.00565	-.00348	.00170	.00352	.00000	-.03121	.00000	-.00696	.00000	.00348

ARC 218-1-12 0A101 (0V102) (C20070) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.00 ELEVON = .000
AILRON = .00 BDFLAP = .000
SPDBRK = .00 RUDDER = -5.000
RN/L = 8.00

RUN NO. 258/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.274	5.44200	-.01740	.01740	.02970	.00000	-4.89820	.00430	-.03910	-.00430	.03910
.251	-4.234	5.40960	-.00510	.01010	.05940	.00000	-4.94980	.00930	-.01950	.00070	.01950
.251	-2.113	5.37960	-.00040	.01060	.03960	.00000	-4.94980	.02850	-.02940	.01150	.00970
.251	-1.085	5.36230	-.00080	.01580	.10890	.00000	-4.93950	.02780	-.02930	.00220	.02930
.251	-.228	5.34870	-.01770	.01770	.00000	.00000	-4.92910	.00850	-.04400	-.00850	.04400
.251	.626	5.35980	.00150	-.00150	-.05030	.00000	-5.00950	.01280	-.00980	-.01280	.00980
.251	1.100	5.36630	-.00830	.00340	.01980	.00000	-4.89820	.01280	-.02930	-.01280	.01950
.252	2.124	5.37690	-.00320	.00850	-.02010	.00000	-4.91880	.01280	-.01910	-.01280	.02980
.252	3.207	5.38330	-.00390	.00410	.02970	.00000	-5.03880	.01610	-.02400	-.02640	.03460
.252	4.214	5.38760	-.02490	.01980	.03960	.00000	-4.99000	-.00090	-.04890	-.00940	.04890
.252	6.280	5.41440	.00230	.00300	.00990	.00000	-4.93950	.00430	.00040	-.00430	.01020
.251	8.306	5.43110	.00230	-.00720	-.19120	.00000	-4.94980	.00430	.00040	-.00430	-.01020
.251	10.286	5.45580	-.00390	.00410	.00000	.00000	-4.96010	.01610	-.02400	-.02640	.03460
	GRADIENT	-.00127	-.00142	-.00008	-.00594	.00000	-.00631	-.00152	-.00131	-.00309	.00292

ARC 218-1-12 0A101 (0V102) (C20071) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = .000
RN/L = 8.000

RUN NO. 270/ 0 RN/L = 7.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-22.787	5.55670	2.16500	.00800	-.00800	.06930	.00000	.00000	.01590	.00000	-.01590
.251	-17.946	5.55380	2.16510	-.00730	.00730	.00990	.00000	.00000	-.01470	.00000	.01470
.251	-14.995	5.55610	2.16820	-.00980	.02040	.13860	.00000	-.00570	-.01380	.00570	.03510
.251	-9.936	5.56050	2.17090	.02130	-.02640	-.03020	.00000	-.00510	.04770	-.00510	-.04770
.251	-4.898	5.55960	2.17420	.01830	-.00830	-.01010	.00000	.01000	.02650	.01000	-.02650
.251	-2.407	5.55570	2.17630	-.01710	.01710	.06930	.00000	.00000	-.03420	.00000	.03420
.251	-.039	5.55540	2.17610	-.00960	.04500	.03960	.00000	.02430	-.04350	.03570	.05420
.251	2.613	5.55700	2.18210	-.04190	.02710	.11880	.00000	.00430	-.08800	-.00430	.05850
.251	5.045	5.55490	2.18230	-.01490	.00470	.03960	.00000	-.01020	-.01950	-.01020	.01950
.251	10.080	5.55020	2.18610	-.01950	.01950	.00000	.00000	.00000	-.03910	.00000	.03910
	GRADIENT	-.00032	.00095	-.00700	.00530	.01447	.00000	.00022	-.01420	-.00041	.01098

ARC 218-1-12 OA101 (OV102) (C20072) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 8.000

RUN NO. 263/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-7.952	1.97560	.01030	.02070	.06930	.00000	.07560	.01930	.00130	.01070	.03070
.252	-5.661	1.98750	.00610	.04590	.08910	.00000	.06620	.02430	-.01200	.01570	.07600
.252	-.114	2.12690	.01230	.00870	-.13090	.00000	.12290	.01350	.01110	-.00350	.02090
.251	2.144	2.14270	.02820	-.00250	.14850	.00000	.08510	.01930	.03720	.01070	-.01580
.251	2.687	2.15430	-.00640	.02780	-.01010	.00000	-.00990	.00000	-.01290	.00000	.05550
.252	5.558	2.16790	-.01230	.00230	.00000	.00000	.06620	-.01530	-.00930	-.01530	.02000
.252	7.247	2.10480	-.01200	.01240	.14850	.00000	.09460	-.01020	-.01380	-.01020	.03510
.252	8.981	2.12280	.02080	.01020	.14850	.00000	-.00990	.01500	.02660	.01500	.00540
.252	11.207	2.12250	-.00520	.00520	-.03020	.00000	.01890	.00430	-.01470	-.00430	.01470
.252	13.473	2.06460	-.06830	.07330	.00000	.00000	.01890	.00500	-.14170	.00500	.14170
.250	16.716	2.07870	-.00190	.01280	.00990	.00000	-.00990	-.00510	.00130	-.00510	.03070
.250	18.770	2.04420	-.03690	.02670	.03960	.00000	.01890	-.01020	-.06350	-.01020	.06350
	GRADIENT	.00897	-.00266	.00337	.06672	.00000	-.03844	-.00266	-.00268	.00272	.00398

ARC 218-1-12 OA101 (OV102) (C20073) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 254/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-11.704	5.01530	.02820	-.00810	-.00190	.00000	.10400	.00340	-.01960	-.01360	.00970
.251	-9.175	5.01060	.02860	-.00280	.00280	.00000	.03780	.00430	-.00980	-.00430	.00980
.252	-6.035	5.02280	.02870	-.01010	.00520	.00000	.03780	.00430	-.02450	-.00430	.01460
.253	-3.019	5.02430	.02880	-.03000	.00050	.00000	.11350	.00850	-.06860	-.00850	.00960
.253	.030	5.03770	.02860	-.00040	.00570	.00000	.06620	.00850	-.00930	-.00850	.02000
.252	3.064	5.03140	.02820	-.01510	.01000	.00000	.03780	-.00090	-.02930	-.00940	.02930
.252	6.010	5.05270	.02840	-.01500	.01500	.00000	.04730	.00430	-.03420	-.00430	.03420
.251	8.051	5.05410	.02900	-.00520	.00520	.00000	.02840	.00430	-.01470	-.00430	.01470
.251	12.068	5.08010	.02910	-.02720	.02230	.00000	.02840	.00430	-.05870	-.00430	.04880
.252	16.541	5.09480	.02870	-.00730	.00730	.00000	.14180	.00000	-.01470	.00000	.01470
.252	22.500	5.11440	.02880	-.01740	.01250	.00000	.08510	.00430	-.03910	-.00430	.02930
	GRADIENT	.00117	-.00010	.00246	.00156	.00000	-.01245	-.00154	.00647	-.00015	.00324

ARC 218-1-12 OA101 (OV102) (C2Q074) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 286/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.248	-7.934	.08400	-.00050	-.01430	.03960	7.50000	.01890	.00850	-.00940	-.00850	-.02000
.249	-5.501	.07360	-.00310	-.00180	.02970	7.50000	.03780	.00850	-.01470	-.00850	.00490
.248	-.125	.05110	-.02720	.01250	.00000	7.50000	.03780	.00430	-.05870	-.00430	.02920
.248	2.681	.03880	-.02500	.03000	.00000	7.50000	-.03950	.01850	-.06840	.00150	.05860
.248	5.612	.02640	-.01720	-.00250	.02970	7.50000	.04730	.00000	-.03430	.00000	-.00500
.248	7.124	.02640	-.01730	-.00260	.05940	7.50000	.00000	-.00510	-.02940	-.00510	-.00010
.248	8.814	.02690	-.02690	.01710	.00990	7.50000	.01890	.00000	-.05380	.00000	.03410
.248	10.995	.02680	-.03920	.01940	.01980	7.50000	.01890	-.00510	-.07340	-.00510	.04390
.247	13.188	.02680	-.02220	-.00270	-.05030	7.50000	.03780	-.01020	-.03430	-.01020	.00480
.247	16.392	.02680	-.00960	.01970	.04950	7.50000	.00950	.01500	-.03420	.01500	.02440
.246	18.591	.02610	-.03180	.03180	-.04030	7.50000	.05670	.00000	-.06350	.00000	.06350
	GRADIENT	-.00438	.00078	.00624	.00000	.00000	-.02755	.00506	-.00346	.00207	.01048

ARC 218-1-12 OA101 (OV102) (C2Q075) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 287/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.248	-7.739	1.92970	-.02030	-.00010	.00000	7.50000	.05670	-.01620	-.02440	-.02470	.02440
.248	-5.536	1.99390	-.02050	-.00950	.13860	7.50000	.08510	-.00680	-.03430	-.02380	.00480
.248	-.090	2.11820	-.00830	-.01190	.01980	7.50000	.00000	-.00680	-.00980	-.02380	.00000
.248	2.691	2.09950	-.01760	.00260	.04950	7.50000	.08510	-.00090	-.03430	-.00940	.01460
.248	5.489	2.14210	-.02520	.01030	.14850	7.50000	.06620	.00340	-.05380	-.01360	.03410
.248	7.131	2.07120	-.01490	.01990	.04950	7.50000	.04730	.00930	-.03910	.00070	.03910
.248	8.815	2.09040	-.02760	.00790	.11880	7.50000	.08510	.00850	-.06360	-.00850	.02430
.248	11.030	2.11680	-.02230	.02230	.06930	7.50000	.07560	.00930	-.05380	.00070	.04390
.248	13.216	2.06730	-.01990	.01500	-.01010	7.50000	.00950	.00430	-.04400	-.00430	.03420
.247	16.399	2.04960	-.02760	.00790	-.01010	7.50000	.06620	.00850	-.06360	-.00850	.02430
.248	18.434	2.06830	-.02740	-.00230	.01980	7.50000	.03780	-.00090	-.05390	-.00940	.00470
	GRADIENT	-.00672	-.00334	.00521	.01068	.00000	.03060	.00212	-.00881	.00518	.00525

ARC 218-1-12 OA101 (OV102) (C2Q076) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 289/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.254	-6.172	5.33860	-.01210	.01720	.00990	7.50000	.02840	.01000	-.03420	.01000	.02440
.255	-4.161	5.32000	-.01220	.00740	-.11070	7.50000	.07560	.00500	-.02940	.00500	.00970
.254	-2.107	5.30350	-.02190	.01720	.02970	7.50000	.01890	.01000	-.05380	.01000	.02430
.255	-1.044	5.30110	-.00720	.00750	.16830	7.50000	.00000	.01500	-.02940	.01500	-.00010
.255	-.235	5.29130	-.02200	.01220	.13860	7.50000	.10400	.00500	-.04890	.00500	.01950
.255	.608	5.29360	-.03170	.03180	-.07050	7.50000	.03780	.00500	-.06840	.00500	.05860
.255	1.073	5.29730	-.01700	.01230	-.04030	7.50000	.00000	.01000	-.04410	.01000	.01460
.254	2.099	5.30540	-.00770	.00290	.02970	7.50000	.06620	-.00070	-.01470	.01080	-.00490
.254	3.159	5.30610	-.02680	.02200	.05940	7.50000	.09460	.00500	-.05870	.00500	.03900
.254	4.151	5.31800	-.02970	.02490	.05940	7.50000	.02840	-.00070	-.05870	.01080	.03900
.254	6.208	5.32650	-.01270	.00280	.04950	7.50000	.01890	-.00570	-.01960	.00570	-.00010
.255	8.217	5.33950	-.01950	.01960	-.05030	7.50000	.02840	.00500	-.04400	.00500	.03420
.254	10.221	5.35400	-.02730	.01750	.00000	7.50000	.07560	-.00070	-.05380	.01080	.02430
	GRADIENT	-.00010	-.00151	.00145	.00909	.00000	.00059	-.00100	-.00203	.00015	.00277

ARC 218-1-12 OA101 (OV102) (C2Q077) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = -5.000
RN/L = 5.000

RUN NO. 290/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.254	-6.214	5.37500	-.02680	.02690	-.06040	7.50000	-4.99000	.00500	-.05870	.00500	.04880
.254	-4.164	5.34560	-.01740	.02250	-.16110	7.50000	-4.93950	.00430	-.03910	.01580	.02930
.254	-2.069	5.31890	-.01260	.01270	.05940	7.50000	-4.97040	-.00070	-.02450	.01080	.01460
.254	-1.046	5.30280	-.01710	.01220	.00000	7.50000	-4.96010	.00500	-.03910	.00500	.01950
.254	-.216	5.28860	-.01740	.02250	.15840	7.50000	-4.98030	.00430	-.03910	.01580	.02930
.253	.608	5.29440	-.00500	.01540	.02970	7.50000	-4.98030	-.00070	-.00930	.01080	.02000
.254	1.075	5.30470	-.01020	.01020	.02970	7.50000	-4.98030	-.00570	-.01470	.00570	.01470
.254	2.100	5.31380	-.01200	.01730	-.02010	7.50000	-4.99000	.00000	-.02400	.00000	.03460
.254	3.157	5.32100	-.01200	.01730	-.01010	7.50000	-5.00950	.00000	-.02400	.00000	.03460
.254	4.131	5.33090	-.01690	.02220	-.06040	7.50000	-4.96010	.00000	-.03370	.00000	.04440
.254	6.200	5.35330	-.00510	.00530	-.01010	7.50000	-5.00950	-.00090	-.00930	-.00940	.02000
.254	8.231	5.37580	-.02420	.02950	.01980	7.50000	-4.99980	.00000	-.04840	.00000	.05910
.254	10.212	5.40330	-.02200	.02200	-.01010	7.50000	-4.93950	.00000	-.04400	.00000	.04400
	GRADIENT	-.00097	.00039	.00009	.00423	-.00000	-.00481	-.00058	.00137	-.00202	.00218

ARC 218-1-12 OA101 (OV102) (C2Q078) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = -5.000
RN/L = 5.000

RUN NO. 288/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.249	-7.919	.07250	-.01490	.01500	.00000	7.50000	-4.98030	.00930	-.03910	.00070	.02930
.249	-5.500	.06340	.00470	.00540	.09900	7.50000	-5.01930	.01930	-.00980	.01070	.00000
.249	-.123	.04380	.00730	-.00230	-.10070	7.50000	-4.99980	.00930	.00530	.00070	-.00530
.249	2.691	.03350	-.01480	.02000	.10890	7.50000	-4.97040	.01930	-.04890	.01070	.02930
.249	5.615	.02140	-.00750	.01260	-.05030	7.50000	-5.01930	.01430	-.02930	.00570	.01950
.253	7.109	.01660	.00950	-.00430	-.02010	7.50000	-5.01930	.02350	-.00450	.00650	-.01510
.254	8.796	.01050	-.00520	.00030	.08910	7.50000	-5.03880	.00930	-.01960	.00070	-.00010
.253	13.213	-.00490	-.02200	.00730	.15840	7.50000	-4.96010	.00500	-.04900	.00500	.00970
.252	16.402	-.01610	-.02230	.00280	.02970	7.50000	-5.00950	.01430	-.05880	.00570	-.00020
.253	18.656	-.02400	-.04450	.00500	.02970	7.50000	-4.99000	-.00090	-.08810	-.00940	.01930
	GRADIENT	-.00366	-.00785	.00792	.07447	-.00000	.01045	.00355	-.01926	.00355	.01229

ARC 218-1-12 OA101 (OV102) (C2Q079) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	7.500
RN/L =	5.000		

RUN NO. 291/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-22.949	5.03200	.01750	-.00210	.01810	.03960	7.50000	.00430	-.00840	-.00430	.04040
.254	-18.000	5.02970	.01880	.01260	-.00230	.07920	7.50000	.00930	.01590	.00070	-.00530
.253	-15.130	5.03270	.02040	-.00480	.00980	-.03020	7.50000	.00500	-.01470	.00500	.01470
.253	-9.968	5.03710	.02190	-.01930	.02470	.10890	7.50000	.00000	-.03860	.00000	.04930
.254	-5.010	5.03840	.02490	-.01310	.02370	-.08050	7.50000	-.01720	-.00890	.01720	.03020
.253	-2.497	5.03780	.02670	-.03590	.03590	-.04030	7.50000	-.02300	-.04890	.02300	.04890
.254	.019	5.03640	.02810	-.02340	.03380	-.03020	7.50000	-.01800	-.02890	.02800	.03950
.253	2.565	5.03820	.03010	-.01560	.03090	.00000	7.50000	-.00720	-.02400	.02730	.03460
.254	5.102	5.03640	.03110	-.02760	.03760	-.01010	7.50000	-.00150	-.05370	.02150	.05370
.254	10.089	5.03730	.03420	.00440	.01060	.05940	7.50000	.00350	.00530	.02650	-.00530
	GRADIENT	.00008	.00067	.00401	-.00099	.00797	-.00000	.00312	.00491	.00085	-.00282

ARC 218-1-12 OA101 (OV102) (C2Q080) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	15.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 317/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-7.959	.01130	.01000	.01000	.07920	15.00000	.07560	.02000	.00000	.02000	.00000
.253	-5.468	.01220	.01260	.01740	.00000	15.00000	.02840	.03000	-.00490	.03000	.00490
.252	-.080	.02030	.00030	.02970	.07920	15.00000	.06620	.03000	-.02930	.03000	.02930
.253	2.682	.02430	.00520	.02480	.04950	15.00000	.04730	.03000	-.01950	.03000	.01950
.253	4.994	.02750	.01520	.02980	.04950	15.00000	.08510	.04500	-.01470	.04500	.01470
.254	7.064	-.00150	.00800	.03730	.07920	15.00000	.03780	.04000	-.02400	.04000	.03460
.254	8.779	-.02890	.01030	.02500	.02970	15.00000	.03780	.03000	-.00930	.03000	.02000
.254	10.965	-.06380	.01020	.02480	.02970	15.00000	.02840	.03500	-.01470	.03500	.01470
.254	13.167	-.09880	.01020	.02980	.07920	15.00000	.02840	.04000	-.01950	.04000	.01950
.253	16.363	-.14910	.01510	.02000	.01980	15.00000	.01890	.04000	-.00980	.04000	.00000
.252	18.591	-.18370	.01030	.03470	.00000	15.00000	.04730	.04500	-.02440	.04500	.02440
	GRADIENT	.00142	.00290	-.00004	-.00601	.00000	.00339	.00286	.00290	.00286	-.00290

ARC 218-1-12 OA101 (OV102) (C2Q081) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 15.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 321/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.254	-7.908	-.02290	-.01250	.02250	.02970	15.00000	-4.90850	.00430	-.02930	.01580	.02930
.253	-5.491	-.01230	-.02510	.04010	.06930	15.00000	-4.96010	.00350	-.05370	.02650	.05370
.254	-.089	.00610	.00280	.01750	.03960	15.00000	-4.93950	.01500	-.00930	.01500	.02000
.253	2.641	.01580	-.01470	.01470	.02970	15.00000	-4.87760	.00000	-.02930	.00000	.02930
.253	5.569	.02280	.00050	.03470	.03960	15.00000	-4.97040	.04500	-.04400	.04500	.02440
.253	7.072	.01660	-.00520	.04530	.05940	15.00000	-4.96010	.03350	-.04400	.05650	.03420
.254	8.813	.00950	.00290	.03710	.10890	15.00000	-4.98030	.04500	-.03910	.04500	.02930
.253	10.995	.00050	.00540	.02980	-.03020	15.00000	-4.96010	.05000	-.03920	.05000	.00970
.253	13.198	-.00880	-.00730	.04240	.09900	15.00000	-4.92910	.03430	-.04890	.04570	.03910
.253	16.387	-.02220	.00290	.03220	.00990	15.00000	-4.93950	.04500	-.03910	.04500	.01950
	GRADIENT	.00355	-.00641	-.00103	-.00363	.00000	.02268	-.00549	-.00733	-.00549	.00341

ARC 218-1-12 OA101 (OV102) (C2Q082) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 319/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.254	-6.110	5.35440	-.01240	.02260	.04950	15.00000	.08510	.01430	-.03910	.02580	.01950
.254	-4.155	5.33070	.00520	.02480	.01980	15.00000	.07560	.03000	-.01950	.03000	.01950
.254	-2.093	5.30580	.00770	.02730	.06930	15.00000	.03780	.03500	-.01950	.03500	.01950
.254	-1.037	5.28910	.00530	.02970	.03960	15.00000	.06620	.03500	-.02440	.03500	.02440
.254	-.202	5.28080	.00690	.03310	.00000	15.00000	.09460	.02850	-.01470	.05150	.01470
.254	.647	5.28460	-.00720	.02220	.13860	15.00000	.08510	.01500	-.02930	.01500	.02930
.254	1.052	5.29280	-.01690	.02700	.08910	15.00000	.04730	.01500	-.04890	.01500	.03910
.253	2.090	5.29750	-.01540	.02050	.01980	15.00000	.09460	.00350	-.03430	.02650	.01460
.254	3.136	5.30900	-.02070	.02590	.05940	15.00000	.04730	-.00220	-.03910	.03220	.01950
.254	4.137	5.32220	-.01540	.02540	.02970	15.00000	.06620	-.00150	-.02930	.02150	.02930
.254	6.192	5.33850	-.00720	.02220	.07920	15.00000	.04730	.01500	-.02930	.01500	.02930
.254	8.207	5.35950	-.01950	.01470	.05940	15.00000	.09460	.01000	-.04890	.01000	.01950
.253	10.211	5.38030	-.01200	.03200	.02970	15.00000	.03780	.02000	-.04400	.02000	.04400
	GRADIENT	-.00059	-.00384	-.00036	.00149	.00000	-.00001	-.00523	-.00245	-.00144	.00073

ARC 218-1-12 OA101 (OV102) (C20083) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 15.000 RUDDER = .000
RN/L = 5.000

RUN NO. 318/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-7.766	1.97080	.01770	-.01230	.07920	15.00000	.03780	.03000	.00530	.03000	-.00530
.255	-5.525	2.11050	-.00470	.02470	.05940	15.00000	.04730	.02000	-.02930	.02000	.02930
.254	-.071	2.09650	.00260	.00750	.02970	15.00000	.05670	.01500	-.00980	.01500	.00000
.254	2.724	2.07430	.01020	.02480	.03960	15.00000	.03780	.03500	-.01470	.03500	.01470
.254	5.479	2.11200	.00520	.01980	.08910	15.00000	.07560	.02500	-.01470	.02500	.01470
.254	7.107	2.04850	.00740	.02260	.00000	15.00000	.03780	.03430	-.01950	.02570	.01950
.254	8.771	2.04070	.01010	.01490	.03960	15.00000	.06620	.02500	-.00490	.02500	.00490
.254	11.003	2.08730	.00270	.01730	.18810	15.00000	.02840	.02000	-.01470	.02000	.01470
.253	13.205	2.01560	.01020	.02980	.03960	15.00000	.01890	.04000	-.01950	.04000	.01950
.253	16.396	1.99670	.00270	.02230	.05940	15.00000	.03780	.02500	-.01950	.02500	.01950
.253	18.421	2.01880	-.00220	.02720	.04950	15.00000	.03780	.02500	-.02930	.02500	.02930
	GRADIENT	-.00794	.00272	.00619	.00354	.00000	-.00676	.00715	-.00175	.00715	.00526

ARC 218-1-12 OA101 (OV102) (C20084) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 322/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-22.882	-.11210	-.00080	-.00480	.01480	.05940	15.00000	.01000	-.01950	.01000	.01950
.253	-18.011	-.11040	.00200	.00030	.02970	.04950	15.00000	.03000	-.02930	.03000	.02930
.253	-14.965	-.11020	.00380	-.01480	.00970	.14850	15.00000	-.00510	-.02440	-.00510	.02440
.253	-9.978	-.11740	.00650	-.01230	.00720	.13860	15.00000	-.00510	-.01950	-.00510	.01950
.253	-4.960	-.11290	.00840	-.01510	.00040	.10890	15.00000	-.00570	-.02450	.00570	-.00500
.253	-2.477	-.11130	.00970	-.01720	.00720	.13860	15.00000	-.00510	-.02930	-.00510	.01950
.253	-.020	-.11610	.01070	-.01730	.00220	.06930	15.00000	-.01020	-.02450	-.01020	.01460
.253	2.546	-.11360	.01060	.00270	.01740	.11880	15.00000	.02500	-.01960	.02500	.00970
.253	5.064	-.11150	.01210	-.00720	.01230	.18810	15.00000	.01000	-.02450	.01000	.01460
.253	10.129	-.10090	.01420	-.01960	.01460	.03960	15.00000	.00000	-.03910	.00000	.02930
	GRADIENT	-.00027	.00030	.00216	.00186	-.00153	-.00000	.00352	.00079	.00216	.00156

ARC 218-1-12 OA101 (OV102) (C2Q085) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 323/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-22.863	4.97780	.01600	.00510	.00990	.07920	15.00000	.01500	-.00490	.01500	.00490
.253	-18.108	4.98960	.01770	-.00720	.01730	.13860	15.00000	.01500	-.02930	.01500	.01950
.253	-15.053	4.98820	.01930	-.00990	-.00010	.14850	15.00000	-.00510	-.01470	-.00510	.00490
.253	-9.957	4.99040	.02150	-.02000	.01510	-.05030	15.00000	-.00570	-.03420	.00570	.02440
.253	-4.980	4.99100	.02450	-.01980	.02990	.08910	15.00000	.00930	-.04890	.02080	.03910
.253	-2.437	4.98850	.02580	-.00470	.02470	.05940	15.00000	.02000	-.02930	.02000	.02930
.253	.076	4.99190	.02800	-.01750	.02250	.09900	15.00000	-.00070	-.03420	.01080	.03420
.253	2.575	4.99330	.02920	-.01450	.02450	.15840	15.00000	.01000	-.03910	.01000	.03910
.253	5.064	4.99010	.03070	-.01690	.02700	.00990	15.00000	.01500	-.04890	.01500	.03910
.253	10.129	4.98840	.03320	-.02480	.02490	.02970	15.00000	-.00070	-.04890	.01080	.03910
	GRADIENT	.00041	.00065	.00013	-.00073	.00980	.00000	-.00074	.00098	-.00165	.00019

ARC 218-1-12 OA101 (OV102) (C2Q086) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 324/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-22.940	10.96500	-.02540	-.00230	.00740	.10890	15.00000	.01000	-.01470	.01000	.00490
.254	-18.097	10.96500	-.02340	-.02570	.02090	.13860	15.00000	-.00720	-.04410	.02730	.01460
.253	-15.082	10.97300	-.02220	-.03300	.02820	.03960	15.00000	-.00720	-.05870	.02730	.02920
.253	-9.957	10.97200	-.01900	-.02520	.02050	.10890	15.00000	-.00150	-.04890	.02150	.01950
.254	-4.950	10.97200	-.01670	-.01790	.00820	.03960	15.00000	-.00150	-.03430	.02150	-.00500
.254	-2.437	10.97700	-.01450	-.00960	.02460	.02970	15.00000	.02000	-.03910	.02000	.02930
.253	.028	10.97900	-.01180	-.02190	.02700	.08910	15.00000	.01000	-.05380	.01000	.04390
.253	2.594	10.98900	-.01040	-.01830	.02700	.08910	15.00000	.01500	-.04890	.01500	.03910
.253	5.045	10.99400	-.00810	-.02190	.01720	.00990	15.00000	.01000	-.05380	.01000	.02430
.253	10.129	10.99100	-.00620	-.01980	.02990	-.01010	15.00000	.00930	-.04890	.02080	.03910
	GRADIENT	.00212	.00086	-.00036	.00234	.00826	.00000	.00158	-.00232	-.00117	.00584

ARC 218-1-12 OA101 (OV102) (C2Q087) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 325/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-22.863	16.38300	-.06290	-.01500	.01510	.07920	15.00000	-.00070	-.02930	.01080	.01950
.253	-18.097	16.38800	-.06120	-.01220	.01220	.10890	15.00000	.00000	-.02440	.00000	.02440
.252	-14.995	16.39100	-.06010	-.00730	.00740	.08910	15.00000	.00500	-.01960	.00500	.00970
.252	-9.957	16.39300	-.05810	-.00490	.00000	.03960	15.00000	.00500	-.01470	.00500	-.00490
.253	-4.980	16.40500	-.05590	-.00980	.00490	.18810	15.00000	.00000	-.01960	.00000	.00970
.252	-2.457	16.41400	-.05490	-.02200	.01710	.01980	15.00000	.00000	-.04400	.00000	.03420
.253	.047	16.41100	-.05190	-.02980	.00440	.04950	15.00000	-.02040	-.03910	-.02040	.02930
.253	2.622	16.41000	-.04850	-.03220	.01180	.14850	15.00000	-.02040	-.04400	-.02040	.04400
.253	5.083	16.42000	-.04710	-.02070	.03080	.04950	15.00000	-.00220	-.03910	.03220	.02930
.252	10.080	16.43300	-.04300	-.02260	.03780	.13860	15.00000	.01350	-.05870	.03650	.03900
	GRADIENT	.00047	.00100	-.00296	.00032	-.00343	.00000	-.00322	-.00270	-.00322	.00387

ARC 218-1-12 OA101 (OV102) (C2Q088) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 320/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-6.206	5.38270	.01220	.01290	.04950	15.00000	-5.01930	.03430	-.00960	.02570	.00000
.253	-4.141	5.34760	-.00940	.03940	.01980	15.00000	-4.94980	.03000	-.04890	.03000	.04890
.253	-2.084	5.31520	.00520	.01500	.00000	15.00000	-4.91880	.03000	-.01960	.03000	-.00010
.253	-1.039	5.29490	-.00460	.02960	.06930	15.00000	-4.91880	.03000	-.03910	.03000	.02930
.253	-.183	5.28440	-.00500	.02010	.14850	15.00000	-4.98030	.02430	-.03420	.01570	.02440
.253	.602	5.29230	-.00210	.02720	.08910	15.00000	-4.92910	.03000	-.03420	.03000	.02440
.253	1.066	5.29620	-.00730	.03240	.08910	15.00000	-4.91880	.03430	-.04890	.02570	.03910
.254	4.141	5.30910	-.01280	.03290	.08910	15.00000	-4.91880	.01350	-.03910	.03650	.02930
.253	6.201	5.32450	-.00220	.02720	.08910	15.00000	-4.92910	.02500	-.02930	.02500	.02930
.253	8.191	5.33650	-.02060	.04070	.10890	15.00000	-4.98030	.00780	-.04890	.04220	.03910
.253	10.209	5.35170	-.00700	.03200	.09900	15.00000	-4.99000	.02500	-.03910	.02500	.03910
	GRADIENT	-.00446	-.00090	.00011	.01112	-.00000	.00268	-.00164	-.00015	.00054	-.00034

ARC 218-1-12 OA101 (OV102) (C20089) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 5.000

RUN NO. 307/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-7.995	.05560	-.01970	.00960	.01980	40.00000	.05670	-.00510	-.03420	-.00510	.02440
.253	-5.505	.05020	-.02930	.01950	.00000	40.00000	.06620	.00000	-.05870	.00000	.03900
.254	-.117	.03890	-.03180	.01710	.00000	40.00000	.06620	.00000	-.06360	.00000	.03410
.254	2.665	.03300	-.03180	.01710	.00000	40.00000	.05670	.00500	-.06850	.00500	.02920
.254	5.566	.02500	-.04290	.01830	-.04030	40.00000	.03780	-.01720	-.06850	.01720	.01940
.254	7.113	.01830	-.03430	.00970	.02970	40.00000	.06620	.00000	-.06850	.00000	.01940
.253	8.804	.01090	-.03510	.01550	.00000	40.00000	.04730	-.01150	-.05870	.01150	.01940
.253	10.991	.00130	-.03180	.00730	.00990	40.00000	.01890	.00000	-.06370	.00000	.01940
.253	13.174	-.00850	-.02190	.02210	-.08050	40.00000	.02840	.01000	-.05380	.01000	.02430
.253	16.383	-.02270	-.04250	.01790	-.08050	40.00000	.01890	-.01150	-.07340	.01150	.02430
.252	18.617	-.03260	-.03210	.01760	-.05030	40.00000	.03780	.00430	-.06850	.01580	.01940
	GRADIENT	-.00212	.00000	.00000	.00000	-.00000	-.00341	.00180	-.00176	.00180	-.00176

ARC 218-1-12 OA101 (OV102) (C2Q090) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 5.000

RUN NO. 315/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.202	5.35130	.01650	.02620	.04950	40.00000	.10400	.00000	.03290	.00000	.05250
.251	-4.064	5.31840	-.00930	.02000	.03960	40.00000	.06620	.00000	-.01860	.00000	.04000
.251	-2.040	5.28620	-.00730	.01230	.08910	40.00000	.09460	.00500	-.01950	.00500	.01950
.251	-1.023	5.27110	-.00950	.01490	.00990	40.00000	.06620	.00000	-.01910	.00000	.02980
.252	-.203	5.25690	-.00480	.00980	.14850	40.00000	.07560	.00500	-.01470	.00500	.01470
.251	.598	5.26570	-.01220	.01720	.04950	40.00000	.11350	.00500	-.02930	.00500	.02930
.251	1.051	5.27480	-.00970	.01470	.00990	40.00000	.04730	.00500	-.02440	.00500	.02440
.251	2.055	5.27850	-.00980	.00980	-.01010	40.00000	.11350	.00000	-.01950	.00000	.01950
.251	3.133	5.28890	-.00980	.00980	.07920	40.00000	.09460	.00000	-.01950	.00000	.01950
.251	4.210	5.30160	-.00440	.01510	.02970	40.00000	.09460	.00000	-.00890	.00000	.03013
.251	6.163	5.31980	-.01200	.01730	.04950	40.00000	.03780	.00000	-.02400	.00000	.03460
.251	8.203	5.34140	-.01230	.01760	.00990	40.00000	.09460	.00430	-.02890	-.00430	.039[illegible]
.250	10.213	5.36690	-.00240	.02270	.07920	40.00000	.03780	.01930	-.02400	.01070	.03460
	GRADIENT	-.00117	.00015	-.00065	-.00326	-.00000	.00344	-.00021	.00052	-.00021	-.00109

ARC 218-1-12 OA101 (OV102) (C2Q091) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 40.000
RN/L = 5.000

RUN NO. 316/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-22.911	5.05660	.01790	.00210	.02290	.07920	40.00000	.03350	-.02930	.01650	.02930
.251	-18.043	5.05150	.01980	-.00070	.02070	.03960	40.00000	.03280	-.03420	.00720	.03420
.251	-15.024	5.05140	.02090	.01020	.00480	.08910	40.00000	.01500	.00530	.01500	-.00530
.251	-10.010	5.05590	.02250	.00270	.01730	.08910	40.00000	.02000	-.01470	.02000	.01470
.251	-4.929	5.05630	.02490	-.00680	.03720	.00000	40.00000	.02500	-.03860	.02500	.04930
.251	-2.437	5.05210	.02630	-.01450	.02950	-.05030	40.00000	.01500	-.04400	.01500	.04400
.251	.047	5.05320	.02720	-.01190	.02230	.10890	40.00000	.00500	-.02890	.00500	.03950
.252	2.575	5.05140	.02850	-.00970	.01970	.04950	40.00000	.01000	-.02930	.01000	.02930
.253	5.092	5.05130	.03010	-.00490	.02020	.04950	40.00000	.01430	-.02400	.00570	.03460
.254	10.138	5.04930	.03260	-.01450	.02950	.06930	40.00000	.01500	-.04400	.01500	.04400
	GRADIENT	-.00054	.00047	-.00024	-.00239	.01227	.00000	-.00219	.00172	-.00219	-.00258

ARC 218-1-12 OA101 (OV102) (C2Q092) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 314/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-6.052	5.36060	.01050	.02580	.03960	40.00000	-4.98030	.01930	.00180	.01070	.04090
.253	-4.141	5.32980	-.00220	.01250	.02970	40.00000	-4.98030	.00500	-.00930	.00500	.02000
.253	-2.044	5.28940	-.01730	.02730	.01980	40.00000	-4.94980	.01430	-.04890	.00570	.04890
.253	-1.002	5.27430	-.01710	.00240	.00000	40.00000	-4.96010	.00000	-.03430	.00000	.00480
.253	-.184	5.26450	.00050	.02550	.00990	40.00000	-4.91880	.01430	-.01330	.00570	.04530
.252	.579	5.26930	.00740	.03800	.02970	40.00000	-4.92910	.04850	-.03370	.03150	.04440
.252	1.015	5.27110	-.01500	.01010	.00000	40.00000	-4.96010	.00430	-.03420	-.00430	.02440
.253	2.072	5.28220	-.00740	.03240	.06930	40.00000	-5.00950	.02930	-.04400	.02070	.04400
.252	3.185	5.28930	.01490	.00540	.02970	40.00000	-4.99000	.01930	.01060	.01070	.00000
.252	4.121	5.29510	.00300	.03720	.02970	40.00000	-4.92910	.05500	-.04890	.05500	.01950
.252	6.186	5.31380	.00040	.01990	.02970	40.00000	-5.04860	.01500	-.01420	.01500	.02490
.252	8.206	5.32620	-.01260	-.00770	.10890	40.00000	-4.96010	-.01530	-.00980	-.01530	.00000
.252	10.185	5.35030	.00760	.02780	.00990	40.00000	-4.86730	.03430	-.01910	.02570	.02980
	GRADIENT	-.00286	.00202	.00147	.00233	.00000	-.00005	.00471	-.00066	.00432	-.00139

ARC 218-1-12 OA101 (OV102) (C2Q033) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 313/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.254	-7.981	.04510	-.01970	.02970	.05940	40.00000	-4.92910	.01430	-.05370	.00570	.05370
.253	-5.524	.04150	-.02190	.02690	.09900	40.00000	-4.94980	.00500	-.04890	.00500	.04890
.253	-.129	.03300	-.00250	.02750	.09900	40.00000	-4.92910	.02930	-.03420	.02070	.03420
.254	2.670	.02870	-.01240	.01270	.03960	40.00000	-4.89820	.01930	-.04410	.01070	.01460
.253	5.551	.02320	-.01720	.02250	.04950	40.00000	-4.96010	.00430	-.03860	-.00430	.04930
.253	7.054	.01990	-.01930	.02470	.01980	40.00000	-4.96010	.00000	-.03860	.00000	.04930
.252	8.760	.01610	-.00250	.00790	.04950	40.00000	-4.94980	.00430	-.00930	-.00430	.02000
.252	10.953	.01130	.00550	.02990	.12870	40.00000	-4.94980	.03000	-.01910	.03000	.02980
.252	13.173	.00610	.00240	.02260	.04950	40.00000	-4.96010	.02930	-.02440	.02070	.02440
.251	16.365	-.00110	-.01200	.01730	.08910	40.00000	-4.98030	.00000	-.02400	.00000	.03460
.249	18.586	-.03000	.00770	.02230	.03960	40.00000	-4.96010	.03000	-.01470	.03000	.01470
	GRADIENT	-.00154	-.00354	-.00529	-.02122	.00000	.01104	-.00357	-.00354	-.00357	-.00700

ARC 218-1-12 OA101 (OV102) (C2Q094) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 5.000

RUN NO. 308/ 0 RN/L = 5.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-7.802	1.97360	-.04250	.00240	.00990	40.00000	.11350	-.02620	-.05870	-.01470	.01940
.253	-5.613	2.12990	-.05460	.01470	.00990	40.00000	.03780	-.02110	-.08810	-.00960	.03890
.253	-.094	2.09920	-.04700	.00180	.07920	40.00000	.04730	-.02550	-.06850	-.02550	.02920
.253	2.677	2.10920	-.03970	.00000	.00990	40.00000	.06620	-.00600	-.07350	-.01450	.01450
.253	5.472	2.11070	-.03460	-.00530	-.05030	40.00000	.06620	-.01530	-.05390	-.01530	.00470
.253	7.110	2.05620	-.06590	.00110	.00000	40.00000	.03780	-.04850	-.08330	-.00250	.00460
.253	8.778	2.05590	-.05320	.00310	-.01010	40.00000	.05670	-.04280	-.06370	-.00830	.01450
.253	11.014	2.08290	-.05070	.00570	-.01010	40.00000	.04730	-.03770	-.06370	-.00320	.01450
.253	13.219	2.03460	-.04540	.00030	.00000	40.00000	.03780	-.03700	-.05390	-.01400	.01450
.252	16.399	2.00720	-.04780	.00770	-.01010	40.00000	.01890	-.03190	-.06360	-.00890	.02430
.252	18.460	2.02340	-.04220	-.00310	.02970	40.00000	.03780	-.03060	-.05380	-.03060	.02430
	GRADIENT	.00361	.00263	-.00065	-.02501	.00000	.00682	.00704	-.00180	.00397	-.00530

ARC 218-1-12 OA101 (OV102) (C2Q095) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 285/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-7.941	.05260	-.01560	.01560	-.04030	55.00000	.02840	.01280	-.04400	-.01280	.04400
.253	-5.541	.04810	.00400	-.01400	.06930	55.00000	.06620	.00760	.00040	-.01790	-.01020
.254	-.150	.03780	.00190	-.01190	-.01010	55.00000	.02840	.00340	.00040	-.01360	-.01020
.254	2.630	.03210	-.01530	.01530	.00000	55.00000	.09460	.00850	-.03910	-.00850	.03910
.253	5.591	.02420	-.00360	-.00660	-.01010	55.00000	.01890	.00250	-.00980	-.02300	.00980
.253	7.106	.01910	-.00850	-.01150	.02970	55.00000	.07560	.00250	-.01960	-.02300	-.00010
.253	8.800	.01270	-.00610	-.00900	.00990	55.00000	.06620	.00250	-.01470	-.02300	.00490
.253	10.981	.00440	-.02320	.00810	.05940	55.00000	.03780	.00250	-.04890	-.02300	.03910
.253	13.184	-.00400	-.00300	-.01680	-.09060	55.00000	.03780	.00340	-.00940	-.01360	-.02000
.252	16.376	-.01560	-.00320	-.00680	.00000	55.00000	.03780	-.00680	.00040	-.02380	.01020
.251	18.623	-.02390	-.02060	.00020	.05940	55.00000	.02840	-.01190	-.02930	-.02890	.02930
	GRADIENT	-.00205	-.00619	.00978	.00363	-.00000	.02381	.00183	-.01421	.00183	.01773

ARC 218-1-12 OA101 (OV102) (C2Q096) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 273/ 0 RN/L = 7.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-8.141	.08250	-.02210	.03710	-.02010	.00000	.14180	.01930	-.06350	.01070	.06350
.253	-5.598	.07350	-.00510	.01010	.01980	.00000	.00950	.00930	-.01950	.00070	.01950
.252	-.153	.05080	-.02690	.02200	.00990	.00000	.02840	.00000	-.05380	.00000	.04390
.253	2.675	.03890	-.00720	.02220	.10890	.00000	.00950	.01500	-.02930	.01500	.02930
.253	5.631	.02580	-.01000	.00530	-.02010	.00000	.01890	.01430	-.03430	.00570	.00480
.253	7.257	.02260	-.01460	.00500	-.07050	.00000	.01890	.01500	-.04410	.01500	-.00500
.252	8.946	.01930	-.01970	.02980	.08910	.00000	.00950	.01930	-.05870	.01070	.04880
.252	11.161	.01550	-.01970	.02980	.00990	.00000	.03780	.01930	-.05870	.01070	.04880
.252	13.412	.01080	-.01040	.01040	-.02010	.00000	-.00990	.00850	-.02930	-.00850	.02930
.252	16.666	.00470	-.02440	.01470	.15840	.00000	.11350	.01000	-.05870	.01000	.01940
.252	18.914	.00000	-.01610	.01640	-.01010	.00000	.09460	.03630	-.06850	-.00620	.03900
	GRADIENT	-.00421	.00697	.00007	.03500	.00000	-.00668	.00530	.00866	.00530	-.00516

ARC 218-1-12 0A101 (0V102) (C20097) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 279/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-6.329	-.00880	-.01500	.01010	.06930	55.00000	.04730	.00430	-.03420	-.00430	.02440
.254	-4.271	-.10950	-.02810	-.02750	.00990	55.00000	-.02960	-.03660	-.01960	-.04510	-.00990
.253	-2.106	-.12020	-.01250	.01260	.00000	55.00000	.09460	.00930	-.03420	.00070	.02440
.253	-1.070	-.08440	.00530	-.00530	.00000	55.00000	.02840	.00000	.01060	.00000	-.01060
.253	.006	-.21030	-.00270	.00280	.07920	55.00000	.00950	.00930	-.01470	.00070	.00490
.253	.530	-.18650	-.01740	.02240	.08910	55.00000	.00950	.00930	-.04400	.00070	.04400
.253	1.055	-.09670	-.01530	.01040	.07920	55.00000	.03780	.00850	-.03910	-.00850	.02930
.253	2.118	-.07110	-.02020	.05020	.01980	55.00000	.05670	.04280	-.08310	.01720	.08310
.253	3.148	-.05530	.00220	-.01690	.02970	55.00000	.02840	.01350	-.00910	-.00350	-.03030
.254	4.200	-.09110	-.00040	.02040	.12870	55.00000	.09460	.02850	-.02930	.01150	.02930
.254	6.283	-.04180	-.01800	.00830	.00000	55.00000	.00950	.01780	-.05380	-.00780	.02430
.253	8.226	.00770	.00910	.01100	-.05030	55.00000	-.10850	.04280	-.02450	.01720	.00480
.253	10.282	.03090	-.00740	.02740	.06930	55.00000	.00000	.02430	-.03910	.01570	.03910
	GRADIENT	.00561	.00203	.00413	.01058	-.00000	.00746	.00662	-.00256	.00478	.00348

ARC 218-1-12 OA101 (OV102) (C2Q098) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 274/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-6.213	5.40140	-.00470	.00990	.01980	.00000	.06620	.01500	-.02450	.01500	.00480
.253	-4.225	5.37350	-.01210	.01720	-.07050	.00000	-.02960	.01500	-.03910	.01500	.01950
.253	-2.130	5.35000	-.01690	.02710	.01980	.00000	.06620	.02000	-.05380	.02000	.03410
.252	-1.068	5.33900	-.01450	.02950	.00990	.00000	.08510	.01500	-.04400	.01500	.04400
.252	-.247	5.32980	-.00480	.01480	-.05030	.00000	.02840	.01000	-.01950	.01000	.01950
.252	.633	5.33230	-.00720	.02220	-.08050	.00000	.04730	.01500	-.02930	.01500	.02930
.252	1.104	5.33750	-.01210	.02210	.24750	.00000	.06620	.01000	-.03420	.01000	.03420
.252	2.129	5.33410	.00040	.01990	.02970	.00000	.03780	.01500	-.01420	.01500	.02490
.252	3.193	5.34450	-.01940	.02450	.06930	.00000	-.01970	.01000	-.04890	.01000	.03910
.252	4.202	5.34910	-.01210	.01230	-.06040	.00000	-.01970	.01000	-.03430	.01000	.01460
.252	6.259	5.35860	-.02690	.02690	.00990	.00000	-.00990	.00000	-.05370	.00000	.05370
.252	8.305	5.37360	-.00970	.01970	.00000	.00000	.00000	.01000	-.02930	.01000	.02930
.252	10.292	5.38340	-.00280	.00280	.07920	.00000	.05670	.00430	-.00980	-.00430	.00980
	GRADIENT	-.00247	.00024	-.00054	.00828	.00000	-.00322	-.00082	.00127	-.00082	-.00026

ARC 218-1-12 OA101 (OV102) (C2Q099) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 280/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-6.561	10.73400	-.02540	.02050	.02970	55.00000	.08510	.01280	-.06350	-.01280	.05370
.253	-4.476	10.95500	-.01270	.00810	.05940	55.00000	.01890	.02350	-.04900	.00650	.00970
.253	-2.034	11.25800	.00160	-.00630	.01980	55.00000	.08510	.02780	-.02450	.00220	-.01480
.252	-1.128	11.20300	-.03960	.03000	.01980	55.00000	.00000	.02350	-.10270	.00650	.05360
.253	-.018	10.87700	-.00810	-.01590	.02970	55.00000	.00950	.04780	-.06390	.02220	-.05410
.253	.475	10.86400	-.00580	-.00880	-.02010	55.00000	.02840	.02280	-.03430	-.00280	-.01480
.253	.981	10.78700	.01190	-.01150	.00990	55.00000	-.02960	.03780	-.01400	.01220	-.03520
.252	2.156	11.18100	.00060	-.02000	-.09060	55.00000	-.02960	.04050	-.03930	-.01050	-.02950
.253	3.169	11.17800	.02840	-.04800	.11880	55.00000	-.07890	.03400	.02280	-.03400	-.06210
.253	4.170	11.22500	.01300	-.05810	.02970	55.00000	.04730	.00850	.01750	-.05950	-.05680
.253	6.207	11.20900	-.00480	.00030	.06930	55.00000	.03780	.05400	-.06370	-.01400	.01450
.253	8.296	11.09200	-.03940	.02470	.08910	55.00000	.12290	.00430	-.08310	-.00430	.05370
.252	10.253	11.17400	-.02240	.00200	.19800	55.00000	-.25650	-.02040	-.02440	-.02040	.02440
	GRADIENT	.01522	.00446	-.00804	-.00154	.00000	-.00711	-.00014	.00908	-.00675	-.00934

ARC 218-1-12 OA101 (OV102) (C2Q0A0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 281/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.000	16.70400	-.04230	.02190	.10890	55.00000	.17970	-.01620	-.06840	-.02470	.06840
.252	-3.912	16.76200	-.00730	.00730	.13860	55.00000	.04730	.00000	-.01470	.00000	.01470
.252	-2.066	16.79600	-.03220	.01240	.05940	55.00000	.01890	-.00090	-.06360	-.00940	.03410
.252	.006	16.74500	-.03520	-.00520	.02970	55.00000	.00950	-.02640	-.04400	-.03490	.02440
.252	2.124	16.68600	-.02700	.03230	.05940	55.00000	.05670	.00430	-.05820	-.00430	.06880
.252	4.048	16.71100	-.01990	.00460	.02970	55.00000	.00950	-.01530	-.02440	-.01530	.02440
.251	6.083	16.71500	-.03170	.02690	.00990	55.00000	-.03950	-.01020	-.05330	-.01020	.06400
.252	7.367	16.35800	-.02260	.00730	.03960	55.00000	.00950	-.01110	-.03420	-.01960	.03420
	GRADIENT	-.01072	-.00094	.00077	-.01065	.00000	-.00175	-.00123	-.00063	-.00122	.00273

ARC 218-1-12 OA101 (OV102) (C2Q0A1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 8.000

RUN NO. 275/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-7.948	2.00160	.01370	.00160	.08910	55.00000	.04730	.02700	.00940	-.00700	.01020
.252	-5.723	2.12410	.00090	-.00090	-.05030	55.00000	.03780	.02130	-.01950	-.02130	.01950
.252	-.125	2.10990	-.03450	.03450	.02970	55.00000	.03780	.00430	-.07330	-.00430	.07330
.252	2.687	2.12240	-.01710	.01220	-.03020	55.00000	.11350	.00000	-.03420	.00000	.02440
.251	5.532	2.13930	-.02200	.01710	-.05030	55.00000	.08510	.00000	-.04400	.00000	.03420
.252	7.213	2.11200	-.01250	.01250	.05940	55.00000	.07560	.00430	-.02930	-.00430	.02930
.252	8.936	2.10760	-.02040	-.01000	.20790	55.00000	.03780	-.02130	-.01960	-.02980	.00970
.252	11.180	2.12720	-.03180	.03180	.06930	55.00000	-.02960	.00000	-.06350	.00000	.06350
.252	13.416	2.07190	-.02700	.01700	.00990	55.00000	-.03950	-.00510	-.04890	-.00510	.03910
.251	16.695	2.05820	-.00240	.00240	.22770	55.00000	.09460	.00000	-.00490	.00000	.00490
.250	18.746	2.04230	-.00230	.00260	.12870	55.00000	.02840	.01500	-.01960	.01500	-.00990
	GRADIENT	.00445	.00619	-.00793	-.02131	.00000	.02693	-.00153	.01391	.00153	-.01739

ARC 218-1-12 OA101 (OV102) (C2Q0A2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 282/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-22.930	-.16860	.02910	-.02510	.00980	.09900	55.00000	-.01110	-.03910	-.01960	.03910
.252	-18.065	-.16930	.03120	-.00520	.00520	-.12080	55.00000	.00430	-.01470	-.00430	.01470
.253	-15.082	-.16620	.03330	-.02720	.00760	.07920	55.00000	.00430	-.05870	-.00430	.01940
.253	-10.063	-.16610	.03590	-.01530	.01530	.01980	55.00000	.00850	-.03910	-.00850	.03910
.253	-4.929	-.17120	.03790	-.01260	-.01790	.21780	55.00000	-.02550	.00040	-.02550	-.01020
.253	-2.387	-.16660	.03930	-.02200	.00730	.02970	55.00000	.00000	-.04410	.00000	.01460
.253	.028	-.16750	.04180	-.00530	-.00470	.02970	55.00000	-.00090	-.00980	-.00940	.00000
.253	2.622	-.16850	.04360	.00850	-.01270	-.14090	55.00000	-.02550	.04260	-.02550	.00010
.252	5.064	-.16790	.04530	-.02920	.03990	-.07050	55.00000	.00430	-.06260	-.00430	.08400
.252	10.060	-.17210	.04740	.00520	-.00960	-.11070	55.00000	-.01620	.02660	-.02470	.00540
	GRADIENT	.00029	.00078	.00319	.00015	-.04309	.00000	-.00006	.00643	-.00038	.00067

ARC 218-1-12 OA101 (OV102) (C2Q0A3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 272/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-22.959	5.02670	.01710	.00970	.01530	-.02010	.00000	.02930	-.00980	.02070	.00980
.252	-18.151	5.02380	.01900	-.01250	.01750	.01980	.00000	.00930	-.03420	.00070	.03420
.253	-15.005	5.02620	.02010	-.01500	.01500	.02970	.00000	.00430	-.03420	-.00430	.03420
.253	-9.999	5.02650	.02290	.00980	.01050	.00990	.00000	.01930	.00040	.01070	.01020
.253	-4.878	5.02050	.02560	.00260	.02770	.00990	.00000	.02930	-.02400	.02070	.03460
.252	-2.497	5.02000	.02720	.01400	.01100	.14850	.00000	.03780	-.00980	.01220	.00980
.253	.019	5.02680	.02860	.00890	.00110	-.01010	.00000	.02780	-.00490	-.00280	.00490
.253	2.565	5.02250	.03030	.00510	.00990	.00990	.00000	.01[illegible]0	-.00490	.01500	.00490
.252	5.016	5.01720	.03170	.00020	.01480	.12870	.00000	.01500	-.01470	.01500	.01470
.252	10.089	5.02260	.03420	-.01450	.02450	.12870	.00000	.01000	-.03910	.01000	.03910
	GRADIENT	.00051	.00062	.00007	-.00252	-.00662	.00000	-.00236	.00248	-.00126	-.00375

ARC 218-1-12 OA101 (OV102) (C2Q0A4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 283/ 0 RN/L = 7.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-23.016	11.14300	-.00040	-.01320	-.00210	.12870	55.00000	-.00680	-.01950	-.02380	.01950
.252	-17.937	11.14800	.00170	-.01480	.02980	.11880	55.00000	.01930	-.04890	.01070	.04890
.252	-15.034	11.14600	.00240	-.00020	-.01510	.02970	55.00000	-.01110	.01060	-.01960	-.01060
.252	-9.957	11.14600	.00530	-.01740	.00210	.02970	55.00000	-.01530	-.01950	-.01530	.01950
.252	-4.960	11.14600	.00800	-.01990	.01500	.08910	55.00000	-.00600	-.03370	-.01450	.04440
.252	-2.467	11.14800	.00950	-.02660	.03750	-.04030	55.00000	-.00090	-.05240	-.00940	.08440
.252	-.010	11.14500	.01050	-.01470	-.00490	.17820	55.00000	.00000	-.02940	.00000	-.00990
.252	2.537	11.14800	.01350	-.00290	-.00220	-.19130	55.00000	-.00090	-.00490	-.00940	.00490
.252	5.111	11.14500	.01500	-.05990	.00980	.04950	55.00000	-.01700	-.10270	-.03400	.05360
.252	9.992	11.14100	.01690	-.02710	.01690	.02970	55.00000	-.01020	-.04400	-.01020	.04400
	GRADIENT	.00012	.00070	.00253	-.00375	-.02525	.00000	.00065	.00440	.00098	-.00849

ARC 218-1-12 OA101 (OV102) (C2Q0A5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 284/ 0 RN/L = 7.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-22.930	16.70000	-.01560	.02240	-.02750	.02970	55.00000	.00760	.03710	-.01790	-.03710
.253	-17.968	16.70300	-.01480	-.02830	.03350	.03960	55.00000	.03630	-.09290	-.00620	.07320
.253	-15.072	16.70700	-.01140	.04460	-.02960	.00000	55.00000	.03630	.05300	-.00620	-.05300
.253	-9.999	16.70400	-.00980	-.00920	.00930	-.10070	55.00000	.03050	-.04890	-.02050	.03910
.253	-4.929	16.70300	-.00710	.01350	-.01840	.06930	55.00000	.02130	.00570	-.02130	-.01550
.253	-2.497	16.70100	-.00570	.01080	.00420	-.03020	55.00000	.04130	-.01960	-.00120	.00970
.253	.028	16.71300	-.00430	-.01120	.02120	-.06040	55.00000	.03130	-.05370	-.01120	.05370
.253	2.508	16.71900	-.00310	-.00410	-.00580	-.03020	55.00000	.02130	-.02940	-.02130	.00970
.253	5.045	16.71500	-.00170	-.01390	.00390	-.06040	55.00000	.01610	-.04400	-.02640	.03420
.253	10.089	16.71600	.00250	-.01470	.03470	.00000	55.00000	.02430	-.05370	.01570	.05370
	GRADIENT	.00242	.00054	-.00302	.00220	-.01318	-.00000	-.00042	-.00561	-.00042	.00481

ARC 218-1-12 OA101 (OV102) (C2Q0A6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 276/ 0 RN/L = 7.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-8.132	.01120	.00010	.00490	.03960	55.00000	-4.98030	.00500	-.00490	.00500	.00490
.252	-5.619	.01530	-.02940	.04940	.02970	55.00000	-4.99980	.02430	-.08310	.01570	.08310
.252	-.150	.01210	-.00500	.01510	.13860	55.00000	-4.97040	.01930	-.02930	.01070	.01950
.252	2.658	.01820	-.01200	.02700	-.04030	55.00000	-4.89820	.01500	-.03910	.01500	.03910
.251	5.653	.02260	-.01770	-.00240	.00990	55.00000	-4.93950	-.00600	-.02940	-.01450	.00970
.252	7.198	.01980	-.02990	-.00550	-.25170	55.00000	-4.94980	-.02550	-.03430	-.02550	.01460
.252	8.940	.01640	-.02950	.00470	-.01010	55.00000	-4.96010	-.00510	-.05390	-.00510	.01450
.252	11.179	.01220	-.01540	-.01410	.14850	55.00000	-4.92910	.00850	-.03930	-.00850	-.01970
.251	13.396	.00840	-.02710	.00220	-.13090	55.00000	-5.01930	-.01020	-.04410	-.01020	.01460
.251	16.689	.00160	-.03500	-.01550	.13860	55.00000	-4.82600	-.03570	-.03430	-.03570	.00480
.250	18.932	-.00220	-.01500	-.02030	-.01010	55.00000	-4.98030	-.02550	-.00450	-.02550	-.01510
	GRADIENT	.00217	-.00249	.00424	-.06371	.00000	.02571	-.00153	-.00349	.00153	.00698

ARC 218-1-12 OA101 (OV102) (C2Q0A7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 277/ 0 RN/L = 7.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-6.209	5.41660	-.02240	.01270	.07920	55.00000	-4.87760	-.00070	-.04410	.01080	.01460
.251	-4.218	5.38560	-.01250	-.01210	-.05030	55.00000	-4.85690	-.00570	-.01930	.00570	-.02990
.252	-2.116	5.35710	-.02220	.02750	.06930	55.00000	-4.77450	.01930	-.06360	.03080	.02430
.251	-1.071	5.34160	-.01010	.01030	.11880	55.00000	-4.85790	.00430	-.02450	.01580	.00480
.251	-.246	5.33130	-.01070	.00570	.02970	55.00000	-4.81570	-.01150	-.00980	.01150	.00000
.252	.606	5.33890	-.00320	.01320	-.02010	55.00000	-5.12670	.00350	-.00980	.02650	.00000
.251	1.076	5.34230	.00490	-.00480	.02970	55.00000	-5.01930	-.00150	.01140	.02150	-.03100
.251	2.123	5.35590	-.01510	.01020	.05940	55.00000	-4.89820	-.00070	-.02940	.01080	.00970
.251	3.205	5.36220	-.01980	.02000	.05940	55.00000	-4.87760	-.00070	-.03910	.01080	.02930
.251	4.230	5.37130	-.01310	.01310	.06930	55.00000	-4.99000	-.01150	-.01470	.01150	.01470
.251	6.253	5.39340	-.04280	.04290	.06930	55.00000	-4.98030	-.01220	-.07330	.02230	.06350
.251	8.407	5.41710	-.02410	.03450	.00000	55.00000	-4.99980	.00500	-.05330	.00500	.06400
.250	10.282	5.43630	.00770	.00240	.01980	55.00000	-4.98030	.01500	.00040	.01500	-.01020
	GRADIENT	-.00070	.00010	.00162	.00737	.00000	-.01847	-.00122	.00143	-.00038	.00363

ARC 218-1-12 OA101 (OV102) (C2Q0A8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-22.800
RN/L =	8.000		

RUN NO. 278/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.316	5.40790	.01080	-.01570	.07920	55.00000	-22.84400	.00500	.01670	.00500	-.03630
.251	-4.246	5.38260	-.00470	.01970	.11880	55.00000	-22.94900	.01500	-.02440	.01500	.02440
.251	-2.120	5.35280	.00270	-.00260	.15840	55.00000	-22.86300	.00500	.00040	.00500	-.01020
.252	-1.099	5.33810	-.01500	-.00030	.09900	55.00000	-22.75800	-.01530	-.01470	-.01530	.01470
.253	-.197	5.33010	.01560	-.00030	.01980	55.00000	-22.79600	.01000	.02120	.01000	-.01060
.253	.602	5.33750	-.03670	.03170	-.07050	55.00000	-22.92100	.00000	-.07330	.00000	.06350
.254	1.090	5.34300	-.01960	.00970	.22770	55.00000	-22.89200	.00000	-.03910	.00000	.01950
.253	2.136	5.35120	.00730	.01280	.03960	55.00000	-22.91100	.02930	-.01470	.02070	.00490
.253	3.182	5.35300	-.01710	.00240	.19800	55.00000	-22.81500	.00500	-.03920	.00500	-.00010
.253	4.227	5.36090	-.03670	.03160	.07920	55.00000	-22.92100	-.00510	-.06840	-.00510	.06840
.253	6.247	5.36660	-.00730	.00730	.09900	55.00000	-22.75800	.00000	-.01470	.00000	.01470
.253	8.316	5.38040	-.05180	.00740	.12870	55.00000	-22.76800	-.00090	-.10280	-.00940	.02420
.253	10.281	5.39060	-.00790	-.01740	.11880	55.00000	-22.84400	-.01620	.00040	-.02470	-.01020
	GRADIENT	-.00149	-.00298	.00140	-.00077	-.00000	-.00003	-.00035	-.00562	-.00062	.00343

ARC 218-1-12 OA101 (OV102) (C2Q0A9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 5.000

RUN NO. 326/ 0 RN/L = 5.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-7.939	.09730	-.00970	.03000	.08910	70.00000	.03780	.01930	-.03860	.01070	.04930
.253	-5.510	.08240	-.01220	.02750	.07920	70.00000	.06620	.01430	-.03860	.00570	.04930
.254	-.111	.05480	-.00200	.02730	.04950	70.00000	.03780	.02000	-.02400	.02000	.03460
.254	2.663	.04010	-.01220	.02750	.06930	70.00000	.02840	.01430	-.03860	.00570	.04930
.253	5.547	.02290	-.00260	.01260	.08910	70.00000	.05670	.01430	-.01950	.00570	.01950
.253	7.125	.01160	-.01310	.02310	.04950	70.00000	.03780	.02280	-.04890	-.00280	.04890
.253	8.757	-.00030	-.01280	.01780	.07920	70.00000	.05670	.01350	-.03910	-.00350	.03910
.253	10.967	-.01650	-.00330	.01330	.05940	70.00000	.09460	.02280	-.02930	-.00280	.02930
.253	13.161	-.03240	-.00340	.00340	.00000	70.00000	.05670	.01780	-.02450	-.00780	.01460
.252	16.354	-.05530	-.00570	.00600	.02970	70.00000	.06620	.02780	-.03920	.00220	.00970
.252	18.571	-.07160	-.01050	.01580	.07920	70.00000	.05670	.03280	-.05380	.00720	.02430
	GRADIENT	-.00530	-.00368	.00007	.00714	.00000	-.00339	-.00205	-.00526	-.00515	.00530

ARC 218-1-12 OA101 (OV102) (C20080) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 5.000

RUN NO. 330/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-6.212	5.32600	.00920	.02580	-.03020	70.00000	.03780	.04780	-.02930	.02220	.02930
.252	-4.162	5.30420	.00690	.00820	.10890	70.00000	.07560	.03350	-.01960	.01650	-.00010
.252	-2.076	5.27450	.00180	.02320	.04950	70.00000	.03780	.03780	-.03420	.01220	.03420
.252	-1.060	5.26240	-.00730	.03730	.00000	70.00000	.01890	.03430	-.04890	.02570	.04890
.252	-.201	5.25460	-.00740	.02250	-.05030	70.00000	.08510	.02430	-.03910	.01570	.02930
.252	.581	5.26260	.00010	.00490	.03960	70.00000	.07560	.00500	-.00490	.00500	.00490
.252	1.053	5.26560	-.00990	.01520	.08910	70.00000	.07560	.02430	-.04410	.01570	.01460
.252	2.071	5.26730	.00530	.02970	-.05030	70.00000	.04730	.03500	-.02440	.03500	.02440
.252	3.137	5.28040	.01690	.00310	.03960	70.00000	.01890	.03350	.00040	.01650	-.01020
.252	4.157	5.27560	-.00470	.02470	.13860	70.00000	-.00990	.02000	-.02930	.02000	.02930
.252	6.202	5.30540	.00000	.02020	-.05030	70.00000	.01890	.03430	-.03430	.02570	.01460
.252	8.194	5.32110	-.01950	.04460	.09900	70.00000	.03780	.03430	-.07330	.02570	.06350
.252	10.209	5.34010	-.00490	.02020	.09900	70.00000	.05670	.03430	-.04410	.02570	.01460
	GRADIENT	-.00195	.00019	.00001	.00047	-.00000	-.00655	-.00122	.00160	.00072	-.00070

ARC 218-1-12 OA101 (OV102) (C20081) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 5.000

RUN NO. 331/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-18.065	5.01930	.02130	.00010	.03990	-.01010	70.00000	.04430	-.04400	.03570	.04400
.252	-15.072	5.01930	.02220	-.02160	.05160	.00000	70.00000	.03000	-.07330	.03000	.07330
.252	-9.989	5.02000	.02370	-.00240	.03240	.03960	70.00000	.03430	-.03910	.02570	.03910
.252	-4.939	5.02090	.02510	.01030	.02980	.09900	70.00000	.04500	-.02450	.04500	.01460
.252	-2.427	5.02430	.02610	.01480	.02520	.00000	70.00000	.04430	-.01470	.03570	.01470
.251	.151	5.02150	.02680	.00290	.03220	.07920	70.00000	.04000	-.03420	.04000	.02440
.252	2.518	5.01910	.02750	.02190	.02310	.17820	70.00000	.05350	-.00980	.03650	.00980
.251	5.111	5.02270	.02790	.00960	.03040	.02970	70.00000	.04850	-.02930	.03150	.02930
.251	10.187	5.02180	.02990	-.00310	.02810	.02970	70.00000	.03780	-.04400	.01220	.04400
	GRADIENT	-.00032	.00032	.00088	-.00051	.01253	-.00000	.00082	.00094	-.00085	-.00016

ARC 218-1-12 OA101 (OV102) (C2Q0B2) (31 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 329/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-6.132	5.34230	.00650	.00850	-.05030	70.00000	-4.92910	.02780	-.01470	.00220	.01470
.252	-4.158	5.31320	-.02010	.02510	.02970	70.00000	-4.97040	.01350	-.05370	-.00350	.05370
.252	-2.060	5.27850	-.01520	.01530	.00000	70.00000	-4.99000	.01350	-.04400	-.00350	.03420
.252	-1.039	5.26740	.01440	.00060	.15840	70.00000	-4.99000	.02350	.00530	.00650	-.00530
.252	-.183	5.25520	.00890	-.00380	.13860	70.00000	-4.99000	.02280	-.00490	-.00280	-.00490
.252	.597	5.25740	.01150	.01350	.00990	70.00000	-4.93950	.03780	-.01470	.01220	.01470
.252	1.087	5.26620	-.00690	.03220	.00000	70.00000	-4.87760	.04000	-.05380	.04000	.02430
.252	2.073	5.26600	-.00310	.02810	-.09060	70.00000	-4.98030	.03780	-.04400	.01220	.04400
.252	3.115	5.26620	.00410	.01090	-.01010	70.00000	-4.98030	.02780	-.01950	.00220	.01950
.252	4.122	5.27020	.00990	.02030	.10890	70.00000	-5.03880	.04930	-.02940	.04070	-.00010
.252	6.166	5.27520	-.00250	.02750	.10890	70.00000	-4.93950	.02930	-.03420	.02070	.03420
.252	8.043	5.28530	.00900	.00110	.05940	70.00000	-5.02910	.02780	-.00980	.00220	.00000
.252	10.189	5.29540	.00700	.01810	-.01010	70.00000	-5.02910	.03850	-.02450	.02150	.01460
	GRADIENT	-.00422	.00267	.00050	-.00398	.00000	-.00261	.00403	-.00132	.00419	-.00319

ARC 218-1-12 OA101 (OV102) (C2Q083) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 328/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-7.931	-.00340	-.00050	.00570	.04950	70.00000	-4.99000	.02350	-.02450	.00650	.00480
.252	-5.514	.00380	-.00300	.00810	.01980	70.00000	-4.91880	.01850	-.02450	.00150	.01460
.253	-.122	.01440	.00720	.00780	.03960	70.00000	-4.94980	.01930	-.00490	.01070	.00490
.252	2.635	.02040	-.01510	.02030	.05940	70.00000	-4.94980	.02350	-.05380	.00650	.03410
.253	5.560	.02360	.01680	-.00660	-.01010	70.00000	-4.91880	.03780	-.00410	.01220	-.02540
.252	7.073	.01900	-.01060	.01570	.00990	70.00000	-4.93950	.02280	-.04400	-.00280	.03420
.253	8.754	.01370	-.01080	-.00400	.13860	70.00000	-4.99980	.01280	-.03430	-.01280	.00480
.253	10.939	.00670	-.00830	.00340	.17820	70.00000	-4.96010	.01280	-.02930	-.01280	.01950
.252	13.123	-.00020	.00640	-.00630	.05940	70.00000	-4.92910	.01780	-.00490	-.00780	-.00490
.251	16.287	-.01050	-.00090	.00590	.00000	70.00000	-5.00950	.01780	-.01950	-.00780	.01950
.251	18.536	-.01730	-.00830	.00830	.11880	70.00000	-4.94980	.01280	-.02930	-.01280	.02930
	GRADIENT	.00218	-.00809	.00454	.00718	.00000	.00000	.00152	-.01774	-.00152	.01059

ARC 218-1-12 OA101 (OV102) (C2Q084) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 5.000

RUN NO. 327/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-7.827	1.97870	.01710	-.00210	.08910	70.00000	.06620	.02350	.01060	.00650	-.01060
.253	-5.549	1.98210	-.01760	.02760	.07920	70.00000	.02840	.01850	-.05370	.00150	.05370
.253	-.088	2.09220	.00680	.00320	.02970	70.00000	.04730	.01850	-.00490	.00150	.00490
.252	2.646	2.11330	.00190	.00810	.09900	70.00000	.01890	.01850	-.01470	.00150	.01470
.252	5.451	2.10270	.01150	-.00650	.13860	70.00000	.09460	.01780	.00530	-.00780	-.00530
.252	7.082	2.05010	-.00330	.00830	.10890	70.00000	.01890	.01780	-.02440	-.00780	.02440
.253	10.961	2.08040	.00650	-.00630	.13860	70.00000	.04730	.02280	-.00980	-.00280	-.00980
.252	13.166	2.05750	.00890	-.00380	.05940	70.00000	.05670	.02280	-.00490	-.00280	-.00490
.252	16.356	2.03360	-.00580	.01080	.01980	70.00000	.05670	.01780	-.02930	-.00780	.02930
.251	18.423	2.03440	-.00590	.00090	.07920	70.00000	.07560	.01280	-.02450	-.01280	.01460
	GRADIENT	.00772	-.00179	.00179	.02534	-.00000	-.01039	-.00000	-.00358	-.00000	.00358

ARC 218-1-12 OA101 (OV102) (C2Q085) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	5.000		

RUN NO. 306/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-8.018	.03990	-.01350	.01350	.02970	87.20000	.08510	.01700	-.04400	-.01700	.04400
.254	-5.564	.03770	-.02450	.01940	-.04030	87.20000	.01890	-.00510	-.04400	-.00510	.04400
.254	-.164	.03310	-.01720	.01210	.02970	87.20000	-.00990	-.00510	-.02930	-.00510	.02930
.255	2.632	.03070	-.02710	.01690	-.02010	87.20000	.03780	-.01020	-.04400	-.01020	.04400
.255	5.540	.02520	-.02510	.00980	.00000	87.20000	.04730	-.01110	-.03910	-.01960	.03910
.255	7.078	.01630	-.03720	.00680	-.01010	87.20000	.02840	-.02550	-.04890	-.02550	.03910
.254	8.757	.00610	-.02790	.00750	-.01010	87.20000	.01890	-.01190	-.04400	-.02890	.04400
.255	10.956	-.00680	-.03740	.02210	-.03020	87.20000	.04730	-.02110	-.05370	-.00960	.05370
.254	13.157	-.01960	-.02960	.01430	-.12080	87.20000	.01890	-.01530	-.04400	-.01530	.04400
.253	16.349	-.03820	-.04210	.01170	-.03020	87.20000	.00950	-.02550	-.05870	-.02550	.04880
.253	18.592	-.05120	-.02760	.00720	-.03020	87.20000	.01890	-.01620	-.03910	-.02470	.03910
	GRADIENT	-.00086	-.00354	.00172	-.01781	.00000	.01706	-.00182	-.00526	-.00182	.00526

ARC 218-1-12 OA101 (OV102) (C2Q086) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 292/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-8.129	-.03370	-.04010	.02040	.00000	87.20000	-.03950	.01280	-.09290	-.01280	.05360
.253	-5.666	-.02300	-.00550	-.00910	.00990	87.20000	.01890	.01350	-.02450	-.00350	-.01480
.252	-.164	.00200	-.03730	.01280	.00990	87.20000	.03780	.01350	-.08810	-.00350	.02910
.253	2.665	.01430	-.03210	.01250	.06930	87.20000	.02840	.00430	-.06850	-.00430	.02920
.253	5.591	.02460	-.03910	.02440	.01980	87.20000	.03780	.00500	-.08320	.00500	.04390
.253	7.165	.02130	-.04890	.01950	.00990	87.20000	.03780	.00000	-.09790	.00000	.03890
.252	8.909	.01800	-.02450	.02500	-.01010	87.20000	.00950	.03430	-.08320	.02570	.02430
.252	11.134	.01390	-.02470	.01500	.05940	87.20000	.04730	.01430	-.06360	.00570	.02430
.251	13.344	.00930	-.03210	.01740	.08910	87.20000	.01890	.00930	-.07340	.00070	.03410
.251	16.597	.00310	-.02750	.01770	.00000	87.20000	.01890	.00850	-.06360	-.00850	.04390
.250	18.870	-.00110	-.01960	.01520	.06930	87.20000	.16070	.03430	-.07350	.02570	.00470
	GRADIENT	.00435	.00184	-.00011	.02100	.00000	-.00332	-.00325	.00693	-.00028	.00004

ARC 218-1-12 OA101 (OV102) (C2Q087) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 298/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-7.962	1.95510	-.05440	.02470	.05940	87.20000	.25530	-.01090	-.09790	.00060	.04870
.251	-5.646	2.12410	-.06360	.05360	.06930	87.20000	.04730	-.00510	-.12220	-.00510	.11230
.254	-.122	2.11510	-.03220	.02240	.01980	87.20000	.01890	-.00570	-.05870	.00570	.03900
.253	2.708	2.10140	-.04690	.02720	-.02010	87.20000	-.00990	-.00570	-.08810	.00570	.04870
.253	5.521	2.14460	-.03990	.00000	-.07050	87.20000	-.06910	-.02110	-.05880	-.00960	.00960
.253	7.212	2.12080	-.04010	.02520	.00000	87.20000	-.02960	-.01660	-.06360	.00640	.04390
.253	8.859	2.07100	-.02550	-.01490	.04950	87.20000	.03780	-.03640	-.01470	-.02490	-.00490
.253	11.174	2.10900	-.05700	.01710	-.04030	87.20000	-.01970	-.02110	-.09300	-.00960	.04380
.253	13.397	2.07350	-.04730	-.02280	.09900	87.20000	-.03950	-.03570	-.05880	-.03570	-.01000
.252	16.641	2.12300	-.06940	.01370	-.05030	87.20000	.20800	-.04590	-.09290	-.04590	.07320
.251	18.704	2.02200	-.05980	-.01580	-.05030	87.20000	.00000	-.05100	-.06850	-.05100	.01940
	GRADIENT	-.00484	-.00520	.00170	-.01410	.00000	-.01018	.00000	-.01039	.00000	.00343

ARC 218-1-12 OA101 (OV102) (C2Q088) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 299/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-6.319	-.04980	-.03470	.00030	-.04030	87.20000	.00000	-.00570	-.06370	.00570	-.00510
.254	-4.254	-.09730	-.03720	-.00790	.02970	87.20000	.11350	-.02550	-.04900	-.02550	.00970
.253	-2.081	-.14090	-.06240	-.02340	.10890	87.20000	.02840	-.06120	-.06370	-.06120	.01450
.253	-1.077	-.14480	-.02560	-.01500	.00990	87.20000	.12290	-.04150	-.00980	-.03000	.00000
.253	.012	-.27150	-.03320	-.02260	-.09060	87.20000	.03780	-.05170	-.01470	-.04020	-.00490
.253	.563	-.23640	-.03770	-.00750	-.05030	87.20000	.07560	-.03130	-.04410	-.01980	.00480
.253	1.085	-.16180	-.03790	-.01260	.06930	87.20000	.25530	-.04150	-.03430	-.03000	.00480
.254	2.107	-.02600	-.04250	.00230	.02970	87.20000	.08510	-.03130	-.05380	-.01980	.02430
.253	3.130	-.04920	-.03720	.00190	-.03020	87.20000	.08510	-.02550	-.04890	-.02550	.02930
.254	4.174	-.05620	-.09870	.06340	-.02010	87.20000	.10400	-.03130	-.16620	-.01980	.14650
.254	6.242	-.05910	-.04000	.00480	-.02010	87.20000	-.01970	-.02620	-.05380	-.01470	.02430
.254	8.322	-.02120	-.03550	.00550	-.02010	87.20000	-.06910	-.00260	-.06850	-.02810	.03900
.253	10.269	.03200	-.04220	-.00800	-.05030	87.20000	-.02960	-.03060	-.05390	-.03060	.01450
	GRADIENT	.01067	-.00357	.00660	-.00826	.00000	.00283	.00144	-.00858	.00236	.01082

ARC 218-1-12 OA101 (OV102) (C2Q0B9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 293/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.163	5.40010	-.02780	.00830	.03960	87.20000	.04730	.02280	-.07830	-.00280	.01940
.253	-4.189	5.37500	-.03210	.00270	.00000	87.20000	.00950	.00930	-.07350	.00070	.00470
.252	-2.048	5.34240	-.03200	.01750	.00990	87.20000	.03780	.01930	-.08320	.01070	.02430
.253	-1.050	5.32870	-.01240	.01270	.00000	87.20000	-.01970	.01930	-.04410	.01070	.01460
.252	-.232	5.31340	-.02980	.00500	.01980	87.20000	.00950	-.00090	-.05870	-.00940	.01940
.253	.575	5.31650	-.03000	.01520	-.01010	87.20000	.00950	.00850	-.06850	-.00850	.03900
.253	1.071	5.32040	-.02240	.00750	.00000	87.20000	.04730	-.00090	-.04400	-.00940	.02440
.252	2.128	5.32240	-.02760	.01280	.00990	87.20000	.02840	.00850	-.06360	-.00850	.03410
.252	3.174	5.33050	-.01350	-.00610	.01980	87.20000	.02840	.01700	-.04410	-.01700	.00480
.252	4.198	5.33930	-.02790	.00330	.00000	87.20000	.03780	.01280	-.06850	-.01280	.01940
.252	6.257	5.34980	-.01040	.01040	.00000	87.20000	.02840	.00850	-.02930	-.00850	.02930
.252	8.261	5.36450	-.02020	.01530	.00000	87.20000	.09460	.00850	-.04890	-.00850	.03910
.253	10.278	5.38200	-.02510	.02510	.00000	87.20000	.01890	.00850	-.05860	-.00850	.05860
	GRADIENT	-.00380	.00094	-.00094	.00061	-.00000	.00346	-.00011	.00199	-.00285	.00098

ARC 218-1-12 OA101 (OV102) (C2Q0C0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 300/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-6.179	11.11900	-.01780	-.01210	.00990	87.20000	.01890	-.01600	-.01970	-.00450	-.01970
.253	-4.147	11.20400	-.02730	.01260	-.02010	87.20000	.03780	-.00570	-.04890	.00570	.01950
.254	-2.025	11.20000	-.03990	.00980	-.05030	87.20000	.00000	-.02110	-.05870	-.00960	.02920
.253	-1.154	11.18300	-.03970	.01980	.00990	87.20000	-.07890	-.01090	-.06850	.00060	.03900
.254	.001	10.86400	-.03240	-.01770	.01980	87.20000	.19860	-.02550	-.03920	-.02550	-.00990
.254	.475	10.84900	-.08130	.02130	.02970	87.20000	.03780	-.02550	-.13700	-.02550	.06820
.253	.982	10.77400	-.03160	.02700	-.05030	87.20000	-.01970	.01500	-.07830	.01500	.03900
.253	2.119	11.21500	-.06210	.02670	.00990	87.20000	.09460	-.03130	-.09290	-.01980	.07320
.253	3.135	11.16700	-.02210	-.00250	-.03020	87.20000	-.14800	.00000	-.04410	.00000	-.00500
.253	4.146	11.17900	-.07610	.02650	.00990	87.20000	.06620	-.01020	-.14190	-.01020	.06330
.253	6.178	11.16800	-.02190	.01720	.00000	87.20000	-.02960	.01000	-.05380	.01000	.02430
.254	8.258	11.13100	-.05870	.03410	-.08050	87.20000	.06620	.00000	-.11740	.00000	.06820
.253	10.230	11.20100	-.03160	.04170	-.01010	87.20000	-.02960	.01500	-.07820	.01500	.06840
	GRADIENT	-.00526	-.00342	.00096	.00248	.00000	-.00241	.00034	-.00716	-.00110	.00303

ARC 218-1-12 OA101 (OV102) (C2Q0C1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 301/ 0 RN/L = 7.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-5.843	16.76200	-.03580	-.01450	.00000	87.20000	.22690	-.04210	-.02940	-.01910	-.00990
.252	-3.876	16.76600	-.02930	.01950	-.03020	87.20000	.06620	.00000	-.05870	.00000	.03900
.252	-2.075	16.74800	-.03210	.02740	.00990	87.20000	.08510	.00430	-.06850	.01580	.03900
.252	-.043	16.74200	-.05210	.01710	-.07050	87.20000	.13240	-.02110	-.08320	-.00960	.04390
.252	2.097	16.69400	-.02970	.00940	.11880	87.20000	.06620	-.01530	-.04400	-.01530	.03420
.252	4.035	16.67200	-.00750	-.01710	-.04030	87.20000	.11350	.00430	-.01930	-.00430	-.02990
.252	6.094	16.67700	-.03710	.00750	-.04030	87.20000	.09460	-.00090	-.07340	-.00940	.02430
.252	7.062	16.60700	-.04660	.01690	-.07050	87.20000	.06620	-.00510	-.08810	-.00510	.03890
	GRADIENT	-.01215	.00235	-.00460	.00466	.00000	.00363	-.00055	.00527	-.00204	-.00716

ARC 218-1-12 0A101 (0V102) (C2Q0C2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 8.000

RUN NO. 295/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-11.963	-.10670	.02100	-.01720	.00230	.01980	87.20000	-.00510	-.02940	-.00510	.00970
.252	-9.978	-.10740	.02120	-.02960	.00950	.10890	87.20000	-.01020	-.04890	-.01020	.02930
.252	-4.929	-.10900	.02280	-.06640	.03130	-.04030	87.20000	-.02040	-.11250	-.02040	.08300
.252	-2.547	-.10200	.02330	-.03990	-.01060	.00000	87.20000	-.03570	-.04410	-.03570	.01460
.252	.028	-.10600	.02400	-.04250	.00230	.06930	87.20000	-.03130	-.05380	-.01980	.02430
.252	2.556	-.11120	.02390	-.02970	.00450	-.09060	87.20000	-.01530	-.04400	-.01530	.02440
.252	5.073	-.10840	.02380	-.03500	.00980	-.09060	87.20000	-.02110	-.04890	-.00960	.02930
.252	10.129	-.10870	.02490	-.03720	.00680	.00000	87.20000	-.02550	-.04890	-.02550	.03910
	GRADIENT	-.00044	.00016	.00426	-.00262	-.00339	-.00000	.00083	.00772	.00129	-.00652

ARC 218-1-12 0A101 (0V102) (C2Q0C3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 8.000

RUN NO. 294/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-11.963	5.06190	.02380	-.02510	.00000	-.02010	87.20000	-.01110	-.03910	-.01960	.01950
.252	-9.936	5.06020	.02460	-.02060	.00570	-.04030	87.20000	.00760	-.04890	-.01790	.02930
.252	-4.960	5.05880	.02510	-.03710	.01750	.00000	87.20000	-.00570	-.06850	.00570	.02920
.252	-2.397	5.05230	.02640	-.03970	.00430	.01980	87.20000	-.02550	-.05380	-.02550	.03410
.252	.066	5.05030	.02740	-.03210	.00700	-.08050	87.20000	-.01530	-.04890	-.01530	.02930
.252	2.546	5.05630	.02700	-.02700	.00230	-.08050	87.20000	-.00510	-.04900	-.00510	.00970
.252	5.054	5.05130	.02750	-.02700	.00230	.09900	87.20000	-.00510	-.04900	-.00510	.00970
.252	10.119	5.05150	.02810	-.04490	.00460	-.09060	87.20000	-.02130	-.06850	-.02980	.03900
	GRADIENT	-.00039	.00027	.00151	-.00173	-.01363	-.00000	.00045	.00255	-.00092	-.00252

ARC 218-1-12 OA101 (OV102) (C2Q0C4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 8.000

RUN NO. 296/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-11.973	11.02400	.00880	-.02930	.02440	-.02010	87.20000	.00000	-.05870	.00000	.04880
.252	-9.946	11.03600	.00910	-.04640	.04150	.06930	87.20000	.00000	-.09290	.00000	.08300
.252	-4.970	11.03700	.00980	-.02200	.00730	-.15100	87.20000	.00000	-.04410	.00000	.01460
.252	-2.447	11.03800	.00990	-.03230	.00680	.15840	87.20000	-.02550	-.03910	-.02550	.03910
.252	.076	11.03500	.01050	-.04760	.01760	.04950	87.20000	-.02680	-.06850	-.00380	.03900
.252	2.518	11.04100	.01070	-.03230	.01740	.07920	87.20000	-.01090	-.05380	.00060	.03410
.252	5.064	11.03600	.01140	-.03190	.00720	-.03020	87.20000	-.00510	-.05870	-.00510	.01940
.252	10.178	11.03200	.01190	-.05410	.01430	-.04030	87.20000	-.01530	-.09300	-.01530	.04380
	GRADIENT	.00036	.00013	-.00187	.00165	.02339	-.00000	-.00139	-.00236	.00093	.00235

ARC 218-1-12 OA101 (OV102) (C2Q0C5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 8.000

RUN NO. 297/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-11.963	16.64700	-.00530	-.02480	-.00530	-.01010	87.20000	-.01530	-.03430	-.01530	.00480
.251	-9.946	16.64000	-.00460	-.02220	-.00270	-.01010	87.20000	-.01020	-.03430	-.01020	.00480
.251	-4.929	16.64100	-.00480	-.03510	.01060	.15840	87.20000	-.01150	-.05880	.01150	.00960
.251	-2.497	16.64300	-.00450	-.05890	.02410	-.03020	87.20000	-.01020	-.10760	-.01020	.05850
.251	.038	16.64300	-.00380	-.04160	.02190	.07920	87.20000	.00000	-.08320	.00000	.04390
.251	2.537	16.64200	-.00410	-.01950	.01960	-.04030	87.20000	.00500	-.04400	.00500	.03420
.251	5.083	16.64800	-.00370	-.03910	.01950	.08910	87.20000	.00000	-.07830	.00000	.03900
.251	10.148	16.64300	-.00300	-.05370	.02440	-.06040	87.20000	.01000	-.11750	.01000	.03880
	GRADIENT	.00012	.00011	.00260	.00098	-.01937	-.00000	.00240	.00282	-.00035	.00233

ARC 218-1-12 OA101 (OV102) (C2Q0C6) ((1 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = -5.000
RN/L = 8.000

RUN NO. 303/ 0 RN/L = 7.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-8.096	.01730	-.04990	.03510	.06930	87.20000	-4.98030	.01280	-.11250	-.01280	.08300
.253	-5.670	.01920	-.00050	.00560	-.04030	87.20000	-4.78480	.01850	-.01960	.00150	.00970
.252	-.196	.02250	-.04210	-.00240	-.05030	87.20000	-4.92910	-.00090	-.08330	-.00940	.00460
.253	2.646	.02400	-.04710	.02250	.00990	87.20000	-5.03880	.00850	-.10270	-.00850	.05360
.253	5.637	.02300	-.04400	.02930	-.01010	87.20000	-4.96010	.00000	-.08800	.00000	.05850
.253	7.220	.01400	-.04490	.00030	.01980	87.20000	-4.91880	-.00170	-.08810	-.01870	.01930
.253	8.938	.00440	-.02300	-.01200	.00990	87.20000	-5.00950	-.00680	-.03920	-.02380	-.00010
.252	11.152	-.00780	-.03700	.00210	.04950	87.20000	-4.91880	-.01530	-.05870	-.01530	.01940
.252	13.356	-.02070	-.00690	-.03830	.06930	87.20000	-4.93950	-.03130	.01750	-.01980	-.05680
.252	16.629	-.03880	-.06940	.00480	-.01010	87.20000	-4.91880	-.02620	-.11260	-.01470	.02420
.251	18.881	-.05100	-.02690	.00240	-.09060	87.20000	-4.93950	.00000	-.05390	.00000	.00470
	GRADIENT	.00053	-.00176	.00876	.02119	.00000	-.03861	.00331	-.00683	.00032	.01725

ARC 218-1-12 0A101 (0V102) (C2Q0C7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-5.000
RN/L =	8.000		

RUN NO. 302/ 0 RN/L = 7.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-6.315	5.36990	-.03680	.02180	.14850	87.20000	-4.97040	-.00510	-.06850	-.00510	.04880
.253	-4.195	5.35380	-.03710	.03220	-.01010	87.20000	-5.04860	-.00570	-.06840	.00570	.05860
.253	-2.114	5.32930	-.03280	.02260	.00000	87.20000	-4.93950	-.02170	-.04400	.00130	.04400
.253	-1.063	5.32320	-.03520	.01050	-.04030	87.20000	-4.85690	-.01660	-.05390	.00640	.01450
.253	-.239	5.31490	-.05220	.03260	-.05030	87.20000	-4.89820	-.01150	-.09290	.01150	.05360
.254	.621	5.32080	-.02200	.05700	.10890	87.20000	-5.01930	.02930	-.07330	.04070	.07330
.253	1.061	5.32320	-.01750	.00780	.02970	87.20000	-4.94980	.00430	-.03920	.01580	-.00010
.253	2.107	5.32880	-.01230	-.01710	.07920	87.20000	-4.87760	-.00070	-.02380	.01080	-.04500
.253	3.188	5.33280	-.02740	.00280	.01980	87.20000	-4.96010	-.00570	-.04900	.00570	-.00010
.253	4.195	5.33710	-.02680	.02200	.02970	87.20000	-4.98030	.00500	-.05870	.00500	.03900
.253	6.260	5.35490	-.04910	.00960	.00000	87.20000	-4.92910	-.00510	-.09300	-.00510	.02420
.253	8.250	5.36490	-.05870	.02440	.09900	87.20000	-4.99000	.00500	-.12240	.00500	.04370
.252	10.287	5.37920	-.05470	.03500	-.04030	87.20000	-4.93950	-.01150	-.09780	.01150	.05850
	GRADIENT	-.00111	.00218	-.00289	.00873	.00000	.00401	.00222	.00214	.00049	-.00625

ARC 218-1-12 OA101 (OV102) (C2Q0C8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = -12.000
RN/L = 8.000

RUN NO. 305/ 0 RN/L = 7.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-6.217	5.37480	-.02470	.01500	-.07050	87.20000	-12.04300	.00930	-.05870	.00070	.02920
.253	-4.205	5.35380	-.04720	-.00750	.04950	87.20000	-11.99300	-.01110	-.08330	-.01960	.00460
.252	-2.093	5.33480	-.02510	.00550	.00000	87.20000	-12.01300	.01350	-.06370	-.00350	.01450
.253	-1.045	5.31890	-.01030	.01050	-.03020	87.20000	-11.97300	.01850	-.03910	.00150	.01950
.253	-.216	5.31330	-.06730	.02190	-.04030	87.20000	-11.99300	-.02210	-.11250	-.03910	.08300
.253	.601	5.32740	-.03180	.01220	.06930	87.20000	-12.03300	.00000	-.06360	.00000	.02430
.253	1.080	5.32350	-.03500	.01470	-.05030	87.20000	-12.03300	-.02110	-.04890	-.00960	.03910
.253	2.121	5.33040	-.03470	.02480	.00000	87.20000	-12.05300	-.00570	-.06360	.00570	.04390
.253	3.168	5.33280	-.00520	.00540	.02970	87.20000	-12.03300	.00930	-.01960	.02080	-.00990
.253	4.190	5.34010	-.04190	.01180	.02970	87.20000	-12.09300	-.01530	-.06850	-.01530	.03900
.253	6.256	5.35240	-.07150	.03200	.02970	87.20000	-11.96300	-.01090	-.13210	.00060	.06330
.252	8.268	5.36890	-.02000	-.00450	.00000	87.20000	-11.97300	-.00570	-.03430	.00570	-.01480
.252	10.286	5.37900	-.03480	.02470	.02970	87.20000	-12.01300	-.01090	-.05870	.00060	.04880
	GRADIENT	-.00097	.00132	.00193	.00027	-.00000	-.01096	-.00094	.00359	.00224	.00164

ARC 218-1-12 OA101 (OV102) (C2Q0C9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 217/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-35.167	4.54770	.02820	-.01790	16.50500	25.00000	.16070	-35.15500	-35.17900	-.01470	-.02110
.251	-30.048	4.38700	.02750	.10640	16.46900	25.00000	.13240	-30.12600	-29.96900	-.00110	.21380
.252	-20.123	4.49910	.02830	-.03200	16.40600	25.00000	.03780	-20.09700	-20.14800	.00240	-.06650
.252	-15.054	4.63020	.02820	.00770	16.58600	25.00000	-.02960	-15.05300	-15.05500	.01100	.00450
.251	-10.046	4.61600	.02800	.02530	16.48700	25.00000	.03780	-10.03400	-10.05800	-.00790	.05840
.252	-8.040	4.67680	.02800	-.01450	16.42400	25.00000	-.00990	-8.01880	-8.06180	.01620	-.04520
.252	-5.976	4.79090	.02840	.04950	16.36100	25.00000	-.00990	-5.99850	-5.95330	.01850	.08050
.252	-3.993	4.83880	.02790	.04520	16.44200	25.00000	.00950	-4.01630	-3.96990	-.01340	.10370
.252	-2.984	4.85680	.02750	.04360	16.45100	25.00000	.09460	-3.00100	-2.96730	.00100	.08630
.252	-2.002	4.85560	.02770	.04180	16.35200	25.00000	.00000	-2.01390	-1.99110	.00390	.07970
.251	-1.026	4.89610	.02770	.03960	16.32500	25.00000	-.00990	-1.00020	-1.05210	.00020	.07890
.253	-.032	4.95200	.02820	-.00280	16.46900	25.00000	.00950	-.01530	-.04900	-.01530	.00970
.252	.972	4.88350	.02820	.02490	16.37000	25.00000	.00950	.97500	.96820	.01500	.03480
.252	1.959	4.94080	.02800	.02030	16.43300	25.00000	.01890	1.98340	1.93410	-.00660	.04730
.252	2.966	4.98840	.02840	.01640	16.50500	25.00000	-.01970	3.00140	2.93120	.00400	.02880
.252	3.986	5.11560	.02850	.03010	16.38800	25.00000	.03780	3.97890	3.99400	-.01200	.07220
.252	5.976	5.12160	.02860	.05550	16.28000	25.00000	.04730	5.98480	5.96730	-.00170	.11270
.252	7.973	5.07920	.02860	.00870	16.37900	25.00000	.12290	8.00560	7.94110	-.00150	.01890
.251	9.950	5.10810	.02830	.00290	16.24400	25.00000	-.00990	9.99710	9.90320	.00140	.00430
.251	20.137	5.33400	.02810	.17320	16.19000	25.00000	.07560	20.01100	20.26300	-.02030	.36670
	GRADIENT	.02785	.00010	-.00333	.00257	.00000	-.00285	1.00447	.99554	.00014	-.00679

ARC 218-1-12 OA101 (OV102) (C2Q0D0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 218/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-35.112	4.32060	.02870	-.05270	-11.70400	25.00000	.04730	-35.14500	-35.07900	-.01490	-.09060
.252	-20.112	4.36230	.02850	-.04290	-11.76400	25.00000	.17020	-20.08100	-20.14300	.00790	-.09380
.252	-15.049	4.53040	.02930	-.01260	-11.64400	25.00000	.09460	-15.07400	-15.02500	-.01980	-.00530
.252	-10.020	4.62780	.02900	.01290	-11.75600	25.00000	.02840	-10.04400	-9.99560	.00230	.02360
.251	-8.059	4.65560	.02890	-.00690	-11.67000	25.00000	.09460	-8.03970	-8.07780	-.00470	-.00920
.252	-5.988	4.73120	.02810	.03120	-11.71300	25.00000	.00000	-6.05500	-5.92170	-.02720	.08950
.252	-3.996	4.78620	.02860	.05740	-11.63500	25.00000	.05670	-4.01150	-3.97970	.01150	.10340
.251	-2.989	4.70570	.02860	.05300	-11.78100	25.00000	.04730	-3.01000	-2.96760	.01000	.09610
.252	-2.005	4.76700	.02810	.03920	-11.73000	25.00000	.05670	-2.00870	-2.00060	-.00130	.07960
.251	-1.005	4.73410	.02830	.02330	-11.84900	25.00000	.09460	-1.01090	-.99900	.00110	.04550
.251	-.025	4.86560	.02850	.01490	-11.72100	25.00000	.04730	-.01600	-.03420	-.00450	.03420
.251	.963	4.80410	.02860	.03860	-11.84300	25.00000	.02840	.99000	.93640	.00000	.07730
.251	1.949	4.94460	.02800	.01610	-11.73000	25.00000	.00950	1.96360	1.93400	.00360	.02870
.251	2.957	4.89220	.02800	.00170	-11.82400	25.00000	.03780	2.97710	2.93620	-.02030	.02380
.252	4.005	4.89230	.02810	.02350	-11.78100	25.00000	.02840	3.99510	4.01420	-.00490	.05190
.252	5.001	5.05190	.02780	.04560	-11.64400	25.00000	.07560	4.97620	5.02560	.00680	.08440
.252	6.018	5.01800	.02790	.01800	-11.75600	25.00000	.02840	5.99450	6.04190	-.00210	.03810
.252	7.983	5.00190	.02780	.01290	-11.67000	25.00000	-.00990	8.01900	7.94610	.01190	.01390
.252	9.962	5.16510	.02780	-.01790	-11.72100	25.00000	.04730	9.99320	9.93160	-.01170	-.02410
.251	20.156	5.38380	.02790	.16800	-11.83800	25.00000	.00950	20.02900	20.28400	-.01010	.34620
	GRADIENT	.02354	-.00006	-.00535	-.01185	.00000	-.00505	1.00366	.99633	-.00247	-.00823

ARC 218-1-12 OA101 (OV102) (C2Q0D1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 231/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-11.652	5.07050	.02610	5.00260	.01810	25.00000	.11350	4.99470	5.01050	-.02330	.05950
.251	-8.008	5.07620	.02650	4.98510	.03970	25.00000	.02840	4.98400	4.98630	-.02430	.10370
.251	-6.035	5.07730	.02660	4.98950	.02940	25.00000	-.00990	4.97810	5.00090	-.03020	.08910
.251	-2.987	5.08290	.02640	4.98860	.01870	25.00000	.07560	4.96640	5.01070	-.04190	.07930
.251	-.030	5.08870	.02620	4.99610	.02120	25.00000	-.01970	4.97130	5.00090	-.04670	.08910
.251	3.023	5.09700	.02660	4.99780	.03290	25.00000	.09460	4.99470	5.00090	-.02330	.08910
.251	6.030	5.10040	.02620	4.97240	.04160	25.00000	.03780	4.97810	4.96660	-.03020	.11340
.251	8.010	5.11310	.02660	4.99530	.02540	25.00000	.01890	4.98980	5.00070	-.01850	.06930
.251	12.119	5.12520	.02650	5.02010	.02590	25.00000	.00000	5.00500	5.03530	-.01300	.06470
.252	16.352	5.13380	.02640	4.99340	.04310	25.00000	-.08880	4.99080	4.99610	-.00780	.09390
.251	22.500	5.17170	.02610	5.01760	.02340	25.00000	.01890	5.00500	5.03030	-.01300	.05970
	GRADIENT	.00235	.00003	.00154	.00237	.00000	.00335	.00472	-.00162	.00312	.00162

ARC 218-1-12 OA101 (OV102) (C2Q0D2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 232/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-11.849	4.82420	.02600	-4.98540	.06640	25.00000	.00000	-4.99730	-4.97350	.00720	.12550
.251	-8.038	4.82980	.02630	-4.98770	.05370	25.00000	.10400	-5.01700	-4.95840	-.00300	.11040
.251	-5.850	4.83840	.02600	-4.99000	.04150	25.00000	.07560	-5.01720	-4.96280	-.01280	.09580
.251	-3.103	4.84640	.02570	-4.97540	.04610	25.00000	.04730	-5.01220	-4.93850	-.00780	.10000
.251	.050	4.85580	.02610	-4.99540	.06620	25.00000	.06620	-5.01700	-4.97380	-.00300	.13530
.251	2.884	4.86400	.02620	-4.97750	.03360	25.00000	.06620	-5.02700	-4.92810	-.01300	.08010
.251	5.950	4.87860	.02590	-4.98260	.04360	25.00000	-.02960	-5.02200	-4.94320	-.00800	.09520
.251	8.081	4.89070	.02580	-4.98020	.04600	25.00000	.01890	-5.02200	-4.93850	-.00800	.10000
.251	12.047	4.90310	.02610	-4.97780	.03830	25.00000	.03780	-5.03200	-4.92360	-.01800	.09470
.251	16.370	4.92660	.02610	-4.99050	.05120	25.00000	.04730	-5.02220	-4.95870	-.01780	.12020
.251	22.500	4.95270	.02590	-4.99510	.05130	25.00000	.02840	-5.02200	-4.96820	-.00800	.11070
	GRADIENT	.00294	.00008	-.00046	-.00193	-.00000	.00321	-.00245	.00150	-.00082	-.00305

ARC 218-1-12 OA101 (OV102) (C2Q0D4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 16.400 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 253/ 0 RN/L = 2.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-3.914	16.41900	-.01740	-.00280	.01980	25.00000	.02840	-.01530	-.01960	-.01530	.00970
.252	-2.010	16.34900	-.02220	-.00270	.00990	25.00000	.00950	-.01020	-.03430	-.01020	.00480
.252	.040	16.35600	-.02470	.00460	.00000	25.00000	.00950	-.01020	-.03910	-.01020	.01950
.251	2.088	16.24000	-.03460	.00450	.00000	25.00000	.03780	-.01530	-.05380	-.01530	.02430
.251	4.095	16.21800	-.05410	.02410	-.01010	25.00000	.02840	-.01530	-.09290	-.01530	.06340
	GRADIENT	-.02540	-.00427	.00304	-.00346	-.00000	.00145	-.00026	-.00826	-.00026	.00633

ARC 218-1-12 OA101 (OV102) (C2Q0D5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 16.500 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 249/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-6.128	16.33800	-.01270	-.00230	.13860	25.00000	.03780	-.00090	-.02450	-.00940	.00480
.250	-3.882	16.43900	-.01560	-.00940	-.01010	25.00000	.06620	-.00170	-.02940	-.01870	-.00010
.250	-2.031	16.50900	-.02460	.00470	.22770	25.00000	.00950	-.00510	-.04410	-.00510	.01460
.250	.027	16.49300	-.02710	.00220	.00990	25.00000	.01890	-.01020	-.04410	-.01020	.01460
.249	2.069	16.41700	-.02220	.00220	.01980	25.00000	.03780	-.01020	-.03430	-.01020	.01460
.250	4.105	16.39900	-.01760	.00260	.02970	25.00000	.02840	-.00090	-.03430	-.00940	.01460
.250	6.188	16.35500	-.02270	-.00740	.00000	25.00000	.10400	-.01110	-.03430	-.01960	.00480
.250	6.976	16.40500	-.01970	-.00020	.00000	25.00000	.06620	-.00510	-.03430	-.00510	.00480
	GRADIENT	-.00878	-.00006	.00104	-.00685	-.00000	-.00224	-.00016	.00004	.00065	.00144

ARC 218-1-12 OA101 (OV102) (C200D6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 251/ 0 RN/L = 2.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-7.741	1.98250	-.03240	.00310	.00000	25.00000	.04730	.01850	-.08330	.00150	.00460
.251	-5.471	2.05550	-.03000	.01530	.01980	25.00000	-.02960	.01350	-.07340	-.00350	.03410
.251	-.083	2.09660	-.02720	.01250	.00000	25.00000	.03780	.00430	-.05870	-.00430	.02920
.251	2.676	2.10110	-.01780	-.00190	-.08050	25.00000	.02840	.00850	-.04410	-.00850	.00480
.250	5.431	2.10820	-.01230	-.00250	-.01010	25.00000	.20800	.00000	-.02450	.00000	-.00500
.250	7.078	2.06400	-.01210	.00740	.04950	25.00000	.03780	.01000	-.03430	.01000	.00480
.250	8.722	2.06500	-.03940	.00950	.01980	25.00000	.01890	-.01020	-.06850	-.01020	.02920
.250	10.911	2.08740	-.02700	.00230	-.09060	25.00000	-.02960	-.00510	-.04900	-.00510	.00970
.251	13.098	2.04480	-.02690	.00240	.08910	25.00000	.09460	.00000	-.05390	.00000	.00470
.250	16.250	2.04450	-.03710	-.00220	.08910	25.00000	.01890	.00430	-.07840	-.00430	-.00020
.249	18.253	2.01460	-.02950	.00960	.08910	25.00000	.05670	-.00510	-.05380	-.00510	.02430
	GRADIENT	.00163	.00341	-.00522	-.02918	.00000	-.00341	.00152	.00529	-.00152	-.00885

ARC 218-1-12 OA101 (OV102) - (C200D7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 250/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-7.798	1.95010	-.05900	.05400	.00000	25.00000	.00950	.00430	-.12220	-.00430	.11230
.251	-5.541	2.08580	-.02690	.00240	-.01010	25.00000	.04730	.00000	-.05390	.00000	.00470
.250	-.081	2.09910	-.05170	.03690	.00990	25.00000	.00000	.00430	-.10760	-.00430	.07810
.251	2.694	2.10170	-.03920	.02430	.00000	25.00000	.01890	-.00510	-.07330	-.00510	.05370
.250	5.485	2.13760	-.01280	-.00240	-.29190	25.00000	.00000	-.00600	-.01960	-.01450	.00970
.250	7.146	2.08230	-.01490	-.00020	.11880	25.00000	.00950	-.01020	-.01960	-.01020	.00970
.251	8.814	2.08140	-.03230	-.00720	.00000	25.00000	.00950	-.00090	-.06370	-.00940	-.00510
.251	11.031	2.10100	-.02010	-.01520	.00000	25.00000	.14180	-.02550	-.01470	-.02550	-.00490
.250	13.221	2.04790	-.02490	-.00530	-.02010	25.00000	.06620	-.02040	-.02940	-.02040	.00970
.250	16.433	2.04640	-.02490	-.00530	-.01010	25.00000	.00950	-.02040	-.02940	-.02040	.00970
.249	18.477	2.01530	-.03970	-.00060	.00000	25.00000	-.00990	-.02550	-.05380	-.02550	.02430
	GRADIENT	.00094	.00450	-.00454	-.00357	.00000	.00681	-.00339	.01236	-.00029	-.00879

ARC 218-1-12 OA101 (OV102) (C2Q0D8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-OB = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 236/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.251	-4.011	5.36390	.02850	-2.01060	-.00920	-.11070	25.00000	.04730	-.00980	-.01840	.00000
.251	-1.983	5.39230	.02850	-1.06240	.04770	.00000	25.00000	.00950	-.14180	-.01700	.11230
.251	-.005	5.42030	.02900	-.03680	.01200	-.01010	25.00000	-.03950	-.06850	-.00510	.02920
.252	1.983	5.44930	.02880	.98700	-.01330	-.03020	25.00000	.03780	-.00940	-.00660	-.02000
.252	3.995	5.48020	.02860	1.98530	-.00990	-.01010	25.00000	.01890	-.02450	-.00490	-.01480
	GRADIENT	.01449	.00002	.50255	-.00310	.00860	.00000	-.00144	.00509	.00187	-.00805

ARC 218-1-12 OA101 (OV102) (C2Q0D9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-OB = 5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 237/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.251	.990	5.47910	.02830	2.98570	.05430	.03960	25.00000	.03780	4.98140	.00000	.10860
.252	2.991	5.51060	.02760	4.00820	.01990	-.02010	25.00000	.02840	5.02530	-.01490	.05470
.252	4.995	5.54160	.02820	5.01000	.01570	.01980	25.00000	.05670	5.02530	-.02330	.05470
.251	6.996	5.56730	.02790	6.01290	.02390	-.03020	25.00000	.03780	5.03030	-.01190	.05970
.251	8.999	5.59640	.02780	6.98760	.00960	-.03020	25.00000	.01890	4.97580	-.03490	.05420
	GRADIENT	.01561	-.00002	.50548	-.00964	-.00494	.00000	.00472	.01096	-.00582	-.01346

ARC 218-1-12 OA101 (OV102) (C2Q0E0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-OB = -5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 238/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.251	-9.035	5.23370	.02820	-6.98190	.03020	.13860	25.00000	.02840	-4.92840	-.02960	.08990
.251	-7.020	5.26390	.02770	-6.00920	.06150	.00000	25.00000	.02840	-4.99880	-.02790	.15080
.251	-5.022	5.29620	.02840	-4.97520	.03120	.00990	25.00000	.04730	-4.92810	-.01780	.08010
.251	-3.006	5.32850	.02800	-3.96970	.04540	.00000	25.00000	.06620	-4.93340	-.00410	.09490
.251	-.989	5.36180	.02770	-2.96380	.04930	.00990	25.00000	.05670	-4.93880	-.01130	.10980
	GRADIENT	.01651	-.00015	.49864	.00193	.00491	.00000	-.00471	-.00268	-.00357	.00739

ARC 218-1-12 OA101 (OV102) (C2Q0E1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-IB = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 239/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	AIL-OB
.251	-4.075	5.39090	.02830	-2.04230	.08890	.00000	25.00000	.00950	-.01020	-.01020	.18800
.250	-1.977	5.40790	.02810	-.99630	.01080	-.01010	25.00000	.11350	-.01530	-.01530	.03690
.251	-.004	5.42590	.02850	-.00740	-.01270	.08910	25.00000	.01890	-.01020	-.01020	-.01510
.250	1.957	5.44240	.02850	.97090	-.00490	.00000	25.00000	.04730	-.01530	-.01530	.00550
.251	3.929	5.44980	.02800	1.95150	.04620	-.12080	25.00000	.06620	-.02550	-.02550	.11790
	GRADIENT	.00764	-.00001	.49922	-.00521	-.01148	-.00000	.00247	-.00153	-.00153	-.00889

ARC 218-1-12 OA101 (OV102) .C2Q0E2) (01 FEB 78)

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 = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-IB = 5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 240/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	AIL-OB
.251	1.005	5.50480	.02860	3.00290	.00610	-.11070	25.00000	.01890	5.00050	-.01750	.02960
.251	2.966	5.51940	.02850	3.98330	.00320	-.01010	25.00000	.01890	5.00050	-.01750	.02390
.251	5.011	5.54070	.02810	5.00270	.03290	-.05030	25.00000	-.02960	4.99470	-.02330	.08920
.251	6.984	5.55360	.02800	5.98750	.02900	-.09060	25.00000	.03780	4.99080	-.00780	.06590
.251	8.983	5.57270	.02850	6.98360	-.00660	-.02010	25.00000	.00950	4.98400	-.02430	.01120
	GRADIENT	.00745	-.00005	.50003	-.00148	.05131	.00000	.00000	-.00000	.00000	-.00291

ARC 218-1-12 OA101 (OV102) (C2Q0E3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-IB = -5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 241/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	AIL-OB
.251	-9.044	5.26490	.02830	-7.03570	-.02720	-.02010	25.00000	.01890	-5.02700	-.01300	-.04130
.251	-7.036	5.27180	.02830	-6.02660	.01380	.05940	25.00000	.02840	-5.01700	-.00300	.03000
.251	-4.938	5.30290	.02830	-4.98020	.04600	-.32210	25.00000	.02840	-5.02200	-.00800	.10000
.251	-2.928	5.31690	.02860	-3.97010	.05330	.07920	25.00000	.12290	-5.01170	.01170	.09490
.251	-1.014	5.34010	.02820	-3.01280	.02610	.00000	25.00000	.01890	-5.01200	.00200	.05020
	GRADIENT	.00946	-.00002	.50126	-.00500	.08304	.00000	-.00201	.00257	.00261	-.01260

ARC 218-1-12 OA101 (OV102) (C2Q0E4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 242/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-OB
.251	-4.025	5.42780	.02690	-.04170	-1.98800	-.01010	25.00000	.03780	-.02470	-.05870	.04880
.251	-2.015	5.43230	.02720	-.02230	-1.00260	-.08050	25.00000	.02840	-.02500	-.01960	.00970
.251	-.010	5.43090	.02770	-.01490	-.01000	.05940	25.00000	.07560	-.01020	-.01960	-.00990
.251	1.958	5.42550	.02840	-.02920	.97880	-.01010	25.00000	.09460	-.02900	-.02940	-.00010
.251	3.997	5.42630	.02910	-.01060	1.99580	-.09060	25.00000	.01890	-.00640	-.01470	-.00490
	GRADIENT	-.00049	.00028	.00277	.49706	-.00455	.00000	.00139	.00164	.00392	-.00586

ARC 218-1-12 OA101 (OV102) (C2Q0E5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 243/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-OB
.251	-4.032	5.53950	.02600	4.99160	-1.96660	.04950	25.00000	-.03950	4.99210	4.99120	.09880
.251	-2.015	5.53790	.02760	4.99140	-.96320	-.03020	25.00000	-.00990	4.98190	5.00090	.08910
.251	-.013	5.53050	.02790	4.99100	.04550	.00000	25.00000	.06620	4.99560	4.98630	.10370
.251	2.002	5.53500	.02870	4.99130	1.06050	-.01010	25.00000	.01890	4.99120	4.99140	.11860
.251	3.982	5.53460	.02980	4.98670	2.04530	-.02010	25.00000	.06620	4.99200	4.98140	.10860
	GRADIENT	-.00063	.00043	-.00049	.50122	-.00595	-.00000	.01198	.00045	-.00145	.00245

ARC 218-1-12 OA101 (OV102) (C2Q0E6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 244/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-OB
.251	-4.055	5.29840	.02760	-4.97490	-1.97770	.00000	25.00000	.01890	-5.02110	-4.92870	.09970
.251	-2.023	5.29630	.02840	-4.99410	-.95360	.06930	25.00000	.03780	-5.02470	-4.96340	.11540
.251	-.013	5.29140	.02840	-4.99280	.05360	-.05030	25.00000	.02840	-5.02700	-4.95870	.12020
.251	1.976	5.29640	.02870	-4.98740	1.03820	.00000	25.00000	.01890	-5.02650	-4.94830	.10030
.251	4.008	5.29350	.02910	-4.96830	2.04900	.07920	25.00000	.01890	-5.01810	-4.91860	.08960
	GRADIENT	-.00048	.00016	.00099	.49913	.00444	.00000	-.00093	.00021	.00175	-.00175

ARC 218-1-12 OA101 (OV102) (C2Q0E7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 245/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB
.251	-3.838	5.42280	.02690	-.02660	-1.92690	.00000	25.00000	.01890	-.01530	-.03790	-.01530
.251	-2.388	5.42560	.02740	-.24920	-1.20190	-.21140	25.00000	.01890	-.01530	-.48310	-.01530
.251	.024	5.42880	.02790	-.02480	.00450	.00990	25.00000	.00950	-.01530	-.03420	-.01530
.251	2.078	5.42930	.02820	-.04150	1.03640	.11880	25.00000	.00950	-.00510	-.07790	-.00510
.251	4.267	5.42300	.02840	.10580	2.12840	.01980	25.00000	.11350	-.01020	.22180	-.01020
	GRADIENT	.00017	.00018	.02488	.50050	.01951	-.00000	.00889	.00099	.04876	.00099

ARC 218-1-12 OA101 (OV102) (C2Q0E8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 246/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB
.251	-3.974	5.53640	.02590	4.99450	-1.99090	.10890	25.00000	.11350	4.99080	4.99820	-.00780
.251	-1.984	5.53310	.02690	4.99160	-.99160	-.02010	25.00000	-.00990	5.00910	4.97400	.00080
.251	.065	5.52990	.02760	5.02980	.03070	-.02010	25.00000	.06620	5.00460	5.05500	-.00370
.251	2.064	5.53840	.02920	5.00060	1.02540	.00000	25.00000	.02840	5.00500	4.99610	-.01300
.251	4.116	5.53790	.03000	4.93190	2.04640	.00000	25.00000	.28370	4.99470	4.86920	-.02330
	GRADIENT	.00041	.00052	-.00576	.49889	-.00973	.00000	.01886	.00017	-.01168	-.00222

ARC 218-1-12 OA101 (OV102) (C2Q0E9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 247/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB
.251	-4.020	5.29220	.02830	-5.04590	-2.01660	.07920	25.00000	-.00990	-5.01720	-5.07450	-.01280
.251	-1.979	5.30020	.02870	-5.00730	-.99850	.00000	25.00000	.01890	-5.02220	-4.99240	-.01780
.251	.140	5.29080	.02910	-5.00060	.06130	-.05030	25.00000	.03780	-5.02220	-4.97890	-.01780
.251	2.081	5.29250	.02880	-4.98530	1.03430	.00000	25.00000	.12290	-5.02700	-4.94350	-.01300
.251	4.025	5.29360	.02900	-4.99280	2.01100	-.19130	25.00000	-.02960	-5.00720	-4.97830	-.00270
	GRADIENT	-.00025	.00008	.00640	.50060	-.02677	-.00000	.00338	.00073	.01208	.00122

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0F0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 345/ 0 RN/L = 8.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-8.065	.04190	-.00780	-.01730	.05940	.00000	.05670	-.01110	-.00450	-.01960	-.01510
.253	-5.565	.03970	-.00550	-.02460	.07920	.00000	.03780	-.00680	-.00410	-.02380	-.02540
.253	-.082	.03440	-.00250	-.02260	.11880	.00000	.07560	-.01110	.00610	-.01960	-.02570
.253	2.734	.03200	-.00240	-.02260	.05940	.00000	.07560	-.00600	.00120	-.01450	-.03070
.253	5.630	.02620	.03450	-.00160	.04950	.00000	.06620	-.01620	.08520	-.02470	.02150
.254	7.190	.02320	-.00950	-.02540	-.08050	.00000	.08510	-.01530	-.00380	-.01530	-.03560
.253	8.906	.01940	-.03210	-.00280	.01980	.00000	.08510	-.01530	-.04900	-.01530	.00970
.253	11.161	.01430	-.00660	-.03310	.00990	.00000	.04730	-.01020	-.00300	-.01020	-.05600
.253	13.345	.00920	-.00480	-.01540	.07920	.00000	.01890	-.01530	.00570	-.01530	-.01550
.252	16.629	.00180	-.02970	-.00040	.04950	.00000	-.00990	-.01530	-.04410	-.01530	.01460
.253	18.909	-.00360	-.01750	-.00710	.17820	.00000	.08510	.00430	-.03920	-.00430	-.00990
	GRADIENT	-.00085	.00004	.00000	-.02109	.00000	.00000	.00181	-.00174	.00181	-.00178

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0F1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	4.500		

RUN NO. 352/ 0 RN/L = 4.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.254	-7.499	-.00590	.00180	-.00180	.03960	.00000	.05670	.00850	-.00490	-.00850	.00490
.255	-5.446	-.00130	.00000	-.00490	.01980	.00000	-.00990	-.00570	.00570	.00570	-.01550
.254	-2.247	.00640	-.03240	.00750	.03960	.00000	.08510	-.01600	-.04890	-.00450	.01950
.254	-.063	.01150	.02110	-.02090	.00990	.00000	.03780	-.01090	.05310	.00060	-.04240
.253	2.139	.01650	-.00760	.01770	.00000	.00000	.06620	.00930	-.02450	.02080	.01460
.255	4.335	.02220	-.02030	.02530	.10890	.00000	.04730	-.00650	-.03420	.01650	.03420
.255	6.538	.02360	-.01260	.01760	.01980	.00000	-.00990	-.00070	-.02440	.01080	.02440
.255	8.791	.02340	-.01270	.00280	.00990	.00000	-.03950	-.00570	-.01960	.00570	-.00010
.254	10.985	.02350	-.00530	.01030	.00000	.00000	.03780	-.00070	-.00980	.01080	.00980
.254	13.170	.02210	.00490	.00010	.02970	.00000	.13240	-.00070	.01060	.01080	-.01060
.254	14.251	.02190	-.00250	-.00730	.08910	.00000	.06620	-.00570	.00080	.00570	-.02040
.254	15.269	.02180	-.02240	.01260	.02970	.00000	.02840	-.00570	-.03910	.00570	.01950
.254	16.367	.02140	-.01220	.00240	.02970	.00000	.17020	.00000	-.02450	.00000	.00480
.253	17.465	.02150	.00150	-.00640	.02970	.00000	.04730	.01280	-.00980	-.01280	.00000
.253	18.595	.02060	-.00830	.00830	.01980	.00000	.15130	.01280	-.02930	-.01280	.02930
	GRADIENT	.00239	.00033	.00420	.00903	.00000	-.00386	.00222	-.00155	.00379	.00463

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0F2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 8.000

RUN NO. 350/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-7.850	1.99690	-.00980	-.02040	.04950	.00000	.03780	-.02040	.00080	-.02040	-.02040
.253	-5.574	2.09990	-.01220	.00730	.04950	.00000	.06620	.00000	-.02450	.00000	.01460
.254	-.077	2.09070	-.03760	-.00760	.00990	.00000	.07560	-.02130	-.05390	-.02980	.01450
.253	2.702	2.12450	-.03680	.00220	-.02010	.00000	.06620	-.00510	-.06860	-.00510	.00960
.253	5.553	2.14010	-.03760	-.00170	.00990	.00000	.04730	-.01150	-.06370	.01150	-.01490
.254	7.225	2.09830	-.02240	-.01260	.04950	.00000	.03780	-.01530	-.02940	-.01530	-.00990
.254	8.921	2.07420	-.04240	-.01240	-.01010	.00000	.04730	-.01620	-.06860	-.02470	-.00020
.253	11.151	2.10340	-.02740	-.01270	.01980	.00000	.07560	-.02040	-.03430	-.02040	-.00500
.253	13.402	2.04640	-.03240	-.01280	-.03020	.00000	.00950	-.02550	-.03920	-.02550	-.00010
.248	16.653	2.04470	-.03020	-.01980	.00990	.00000	.00000	-.02130	-.03920	-.02980	-.00990
.252	18.708	1.98020	-.04700	-.00310	.00000	.00000	.02840	-.02550	-.06850	-.02550	.01940
	GRADIENT	.01216	.00029	.00353	-.01080	.00000	-.00338	.00583	-.00529	.00889	-.00176

ARC 218-1-12 (OV102), NO SILTS POD (C200F3) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 346/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.254	-6.205	5.41580	-.00510	-.01470	.04950	.00000	.03780	-.00090	-.00940	-.00940	-.02000
.255	-4.116	5.39200	-.02760	-.00250	.07920	.00000	.04730	-.01110	-.04410	-.01960	.01460
.255	-2.067	5.36550	.00240	-.01240	.03960	.00000	.04730	-.00090	.00570	-.00940	-.01550
.254	-.985	5.35570	.00020	-.01040	-.01010	.00000	.05670	-.01020	.01060	-.01020	-.01060
.251	-.174	5.35560	.00540	-.02540	.07920	.00000	.04730	-.00600	.01670	-.01450	-.03630
.254	.604	5.35450	-.02020	.00000	.10890	.00000	.09460	-.01110	-.02930	-.01960	.01950
.254	1.061	5.36000	-.02250	.01230	.06930	.00000	.03780	-.00600	-.03910	-.01450	.03910
.254	2.049	5.35990	.00230	-.01250	.00000	.00000	.04730	-.00600	.01060	-.01450	-.01060
.253	3.151	5.37100	-.03210	.00700	.00000	.00000	.00950	-.01530	-.04890	-.01530	.02930
.254	4.248	5.37820	-.00440	-.02030	.04950	.00000	.04730	-.00510	-.00380	-.00510	-.03560
.254	6.210	5.38990	-.01010	.00520	-.01010	.00000	.02840	.00430	-.02450	-.00430	.01460
.254	8.467	5.41170	.00510	-.01510	-.03020	.00000	.06620	-.00090	.01100	-.00940	-.02080
.255	10.232	5.42630	-.01240	-.00750	-.02010	.00000	.04730	-.00510	-.01960	-.00510	-.00990
	GRADIENT	-.00095	-.00006	.00001	-.00435	.00000	-.00210	-.00012	-.00001	.00069	-.00066

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0F4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 348/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-6.124	5.44480	-.00440	-.04570	.00990	.00000	-4.88790	-.02130	.01250	-.02980	-.06170
.253	-4.147	5.40860	-.03960	-.01030	.00990	.00000	-4.88790	-.02040	-.05880	-.02040	-.00020
.253	-2.515	5.38080	-.02250	-.02250	.04950	.00000	-4.90850	-.02040	-.02460	-.02040	-.02460
.253	-1.045	5.35640	-.03690	-.00760	.01980	.00000	-5.01930	-.00510	-.06860	-.00510	-.01000
.252	-.208	5.34560	-.03440	.00470	-.04030	.00000	-5.09740	-.00510	-.06370	-.00510	.01450
.253	.606	5.35400	-.02480	-.01510	.10890	.00000	-4.99000	-.01530	-.03430	-.01530	-.01460
.253	1.053	5.35860	-.02690	.01220	.00990	.00000	-5.07790	.00000	-.05380	.00000	.02430
.253	2.069	5.36710	-.03710	-.01260	.06930	.00000	-4.98030	-.01530	-.05880	-.01530	-.01000
.252	3.134	5.37540	-.02980	-.01030	.13860	.00000	-4.92910	-.02040	-.03920	-.02040	-.00010
.253	4.146	5.38280	-.02760	-.01230	.10890	.00000	-4.88790	-.01110	-.04410	-.01960	-.00500
.253	6.189	5.40750	-.00200	-.02810	.00000	.00000	-5.04860	-.02110	.01710	-.00960	-.04660
.253	8.216	5.43070	-.06160	.00680	-.01010	.00000	-4.90850	-.02040	-.10280	-.02040	.03400
.253	10.642	5.45740	-.05670	.01170	-.01010	.00000	-5.09740	-.02040	-.09300	-.02040	.04380
	GRADIENT	-.00222	.00062	.00046	.01357	.00000	-.00140	.00054	.00069	-.00004	.00096

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0F5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 349/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-8.016	.04950	.00930	-.05430	.06930	.00000	-4.83630	-.02040	.03910	-.02040	-.08820
.253	-5.546	.04420	-.04200	-.01270	-.01010	.00000	-5.07790	-.01530	-.06860	-.01530	-.01000
.253	-.119	.03410	-.01140	-.04850	.00000	.00000	-4.88790	-.02550	.00270	-.02550	-.07150
.253	2.719	.02750	-.04250	-.01740	.03960	.00000	-5.02910	-.02130	-.06370	-.02980	-.00510
.253	5.656	.01840	-.03720	-.02250	.00000	.00000	-4.90850	-.02040	-.05400	-.02040	-.02470
.252	7.188	.00580	-.01650	-.05360	.00990	.00000	-5.03880	-.03570	.00270	-.03570	-.07150
.252	8.903	-.00790	-.00600	-.05900	.06930	.00000	-4.96010	-.03060	.01860	-.03060	-.08740
.252	11.150	-.02610	-.03450	-.00520	.00990	.00000	-4.97040	-.01020	-.05880	-.01020	-.00020
.253	13.354	-.04400	-.03460	-.02480	-.02010	.00000	-5.08770	-.01020	-.05890	-.01020	-.03940
.251	16.625	-.06990	-.02510	-.02460	-.01010	.00000	-4.93950	-.02110	-.02910	-.00960	-.03970
.253	18.862	-.08690	-.03300	-.03170	-.01010	.00000	-4.99980	-.01190	-.05400	-.02890	-.03450
	GRADIENT	-.00233	-.01096	.01096	.01395	.00000	-.04975	.00148	-.02340	-.00152	.02340

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0F6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 351/ 0 RN/L = 7.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-22.863	5.00730	.01070	-.02970	-.01510	.02970	.00000	-.01530	-.04410	-.01530	-.01480
.253	-17.979	5.01150	.01330	-.02260	-.01770	.10890	.00000	-.02550	-.01960	-.02550	-.00990
.253	-15.101	5.01070	.01410	-.03990	.01960	.13860	.00000	-.02110	-.05870	-.00960	.04880
.253	-10.031	5.00980	.01760	-.03960	-.00540	.08910	.00000	-.02040	-.05880	-.02040	.00960
.253	-4.980	5.01220	.02130	-.01510	.00040	.06930	.00000	-.00570	-.02450	.00570	-.00500
.253	-2.487	5.01170	.02300	-.03920	.02430	.01980	.00000	-.00510	-.07330	-.00510	.05370
.253	.113	5.01520	.02560	-.02280	-.01710	.22770	.00000	-.02110	-.02460	-.00960	-.02460
.252	2.508	5.01030	.02740	-.02520	-.02540	.00000	.00000	.00350	-.05380	.02650	.02430
.253	5.121	5.01080	.02940	-.01520	-.00940	.10890	.00000	-.00570	-.02460	.00570	-.02460
.253	10.315	5.01090	.03360	-.04210	.02230	.08910	.00000	-.01090	-.07340	.00060	.04390
	GRADIENT	-.00008	.00083	-.00054	.00125	.00048	.00000	.00042	-.00149	.00226	.00026

DATE 01 AUG 78

AMES 218-1-12 (OA101) - FORCE SOURCE DATA TABULATION

ARC 218-1-12 (OV102), NO SILTS POD

(C2Q0F7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 369/ 0 RN/L = 7.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-8.004	.06200	-.02270	.03770	.11880	25.00000	.03780	.00350	-.04890	.02650	.04890
.252	-5.494	.05400	-.01490	.02990	.01980	25.00000	.06620	.00930	-.03910	.02080	.03910
.251	-.086	.04250	-.02230	.02250	.01980	25.00000	-.03950	.00430	-.04890	.01580	.02930
.252	2.726	.03540	-.02970	.02490	.04950	25.00000	.02840	.00430	-.06360	.01580	.03410
.252	5.618	.02790	-.02800	.03320	.11880	25.00000	.01890	-.00220	-.05380	.03220	.03410
.252	7.144	.02540	-.01490	.03490	.12870	25.00000	.05670	.01430	-.04400	.02580	.04400
.252	8.889	.02400	-.03300	.03310	.07920	25.00000	.00000	-.01220	-.05380	.02230	.04390
.252	11.088	.02120	-.01330	-.00140	.10890	25.00000	.16070	-.01720	-.00940	.01720	-.02000
.252	13.315	.01880	-.02170	.01680	.00000	25.00000	.03780	-.02870	-.01470	.02870	.00490
.251	16.569	.01380	-.03800	.00850	.00000	25.00000	.16070	-.01720	-.05880	.01720	-.00020
.251	18.794	.01170	-.02080	.01600	.02970	25.00000	.01890	-.01220	-.02940	.02230	.00970
.251	GRADIENT	-.00252	-.00263	.00085	.01056	.00000	.02414	.00000	-.00523	.00000	.00171

(C2Q0F8) (01 FEB 78)

ARC 218-1-12 (OV102), NO SILTS POD

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 370/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-7.841	1.97300	-.00300	.00320	.11880	25.00000	.09460	.00350	-.00940	.02650	-.02000
.251	-5.551	2.10860	-.03050	.03070	.00000	25.00000	.04730	-.00220	-.05870	.03220	.02920
.252	-.037	2.08380	-.01580	.02590	.00000	25.00000	.06620	.00280	-.03430	.03720	.01460
.252	2.726	2.09990	-.04320	.03350	.02970	25.00000	.07560	-.01800	-.06850	.02800	.03900
.251	5.525	2.10090	-.04520	.03560	.02970	25.00000	.07560	-.00720	-.08320	.02730	.04390
.252	7.194	2.07260	-.02870	.00900	-.08050	25.00000	.13240	-.02300	-.03430	.02300	-.00500
.252	8.848	2.06550	-.04030	.04050	-.05030	25.00000	.14180	-.00220	-.07830	.03220	.04880
.252	11.104	2.10310	-.02810	.03810	-.01010	25.00000	.11350	-.00720	-.04890	.02730	.04890
.251	16.568	2.04630	-.00310	.01810	.12870	25.00000	.04730	.00350	-.00980	.02650	.00980
.250	18.611	2.03230	-.03450	.02500	.08910	25.00000	.04730	.00930	-.07830	.02080	.02920
	GRADIENT	.00583	-.00992	.00275	.0107[illegible]	.00000	.00340	-.00753	-.01238	-.00333	.00883

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 371/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-6.088	5.39330	-.01080	.00110	.01980	25.00000	.06620	-.01220	-.00940	.02230	-.02000
.251	-4.134	5.37140	-.02970	.02000	-.02010	25.00000	.04730	-.00070	-.05870	.01080	.02920
.251	-2.083	5.34540	-.00630	.01140	.05940	25.00000	.04730	-.01300	.00040	.03300	-.01020
.251	-1.032	5.33700	-.01840	.01840	-.01010	25.00000	.01890	-.01220	-.02450	.02230	.01460
.251	-.187	5.32910	-.00990	-.01470	.02970	25.00000	.07560	-.00570	-.01400	.00570	-.03520
.251	.569	5.33460	-.04020	.05030	.13860	25.00000	-.00990	-.00220	-.07820	.03220	.06840
.251	1.064	5.33840	.00580	-.05170	.11880	25.00000	.07560	-.05740	.06890	-.03440	-.06890
.251	2.071	5.34180	-.06740	.04270	.02970	25.00000	.04730	-.02240	-.11250	.01210	.07320
.251	3.133	5.34650	.01250	-.00250	-.01010	25.00000	.02840	-.00150	.02650	.02150	-.02650
.251	4.144	5.35510	-.01730	.02260	-.01010	25.00000	.01890	.01430	-.04890	.02580	.01950
.251	6.172	5.36780	-.02470	.02500	.15840	25.00000	.09460	.00930	-.05870	.02080	.02920
.252	8.199	5.37910	-.04200	.01750	.11880	25.00000	.00950	-.00570	-.07830	.00570	.02920
.251	10.189	5.39220	-.03490	.03030	-.01010	25.00000	.03780	.00850	-.07830	.03150	.02920
	GRADIENT	-.00129	.00065	-.00024	.00054	-.00000	-.00233	.00054	.00076	-.00013	-.00034

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0G0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 372/ 0 RN/L = 7.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.138	5.40640	.00030	.01490	.15840	25.00000	-4.91880	.02500	-.02450	.02500	.00480
.251	-4.098	5.38760	-.02500	.04020	.22770	25.00000	-4.99980	.01850	-.06850	.04150	.03900
.251	-2.056	5.35860	-.00840	.02840	.00000	25.00000	-4.94980	.00280	-.01950	.03720	.01950
.251	-1.027	5.34240	-.01330	.01860	.05940	25.00000	-4.98030	.00280	-.02940	.03720	-.00010
.251	-.208	5.33240	-.03590	.01640	.17820	25.00000	-4.86730	-.01800	-.05390	.02800	.00470
.251	.512	5.34130	-.01050	-.00380	.08910	25.00000	-4.94980	.00780	-.02870	.04220	-.04990
.251	1.038	5.34530	-.06760	.04820	.02970	25.00000	-4.94980	-.00800	-.12720	.03800	.05840
.251	2.086	5.34320	-.05500	.06000	.18810	25.00000	-4.75380	-.01220	-.09770	.02230	.09770
.251	3.143	5.35010	-.03380	.03890	-.05030	25.00000	-4.89820	-.01870	-.04890	.03870	.03910
.251	4.131	5.35420	-.05300	.05300	.07920	25.00000	-5.00950	-.02300	-.08310	.02300	.08310
.251	6.165	5.36850	-.00590	.03090	.20790	25.00000	-5.01930	.00780	-.01950	.04220	.01950
.251	8.195	5.38160	-.07540	.03060	.03960	25.00000	-4.98030	-.03830	-.11250	.00770	.05360
.251	10.187	5.40070	-.02620	.01150	.05940	25.00000	-4.88790	-.02300	-.02940	.02300	-.00010
	GRADIENT	-.00315	-.00480	.00284	-.01324	.00000	.00879	-.00460	-.00501	-.00163	.00731

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0G1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 373/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-7.977	.02020	-.01680	.03210	.07920	25.00000	-4.96010	.03000	-.06360	.03000	.03410
.251	-5.513	.02120	-.02730	.01260	.15840	25.00000	-4.98030	-.00570	-.04890	.00570	.01950
.251	-.063	.02370	-.02190	.01720	.10890	25.00000	-4.99000	.01500	-.05870	.01500	.01940
.251	2.730	.02530	-.01220	-.01700	.13860	25.00000	-4.97040	.00930	-.03360	.02080	-.05480
.251	5.052	.02540	-.01350	.00860	.10890	25.00000	-4.86730	-.01720	-.00980	.01720	.00000
.251	5.622	.02350	-.04000	.02040	.16830	25.00000	-5.10720	-.00650	-.07340	.01650	.02430
.251	7.180	.01690	-.01240	-.01200	.07920	25.00000	-4.97040	.00430	-.02910	.01580	-.03970
.251	8.893	.00960	.02050	-.00030	.00000	25.00000	-4.79510	.02430	.01670	.03570	-.03630
.251	11.099	.00100	-.01000	-.00960	-.11070	25.00000	-4.90850	-.00070	-.01930	.01080	-.02990
.251	13.298	-.00820	-.04940	.01990	.05940	25.00000	-5.02910	-.00570	-.09300	.00570	.03400
.250	16.539	-.02190	-.04200	.02730	.14850	25.00000	-4.84660	-.00570	-.07830	.00570	.04880
.249	18.780	-.03160	-.02030	.01560	.02970	25.00000	-4.99980	-.00150	-.03920	.02150	.00970
	GRADIENT	.00057	.00347	-.01225	.01064	.00000	.00702	-.00204	.00899	.00208	-.02657

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0G2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 368/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-22.892	5.05410	.01230	-.02680	.03680	.12870	25.00000	.01000	-.06350	.01000	.06350
.251	-18.043	5.05440	.01560	-.01000	.02000	.00000	25.00000	.01430	-.03420	.00570	.03420
.252	-14.934	5.05190	.01690	.02110	-.01070	.00000	25.00000	.03000	.01220	.03000	-.05150
.252	-10.052	5.05640	.02070	-.01200	.02770	.11880	25.00000	.00930	-.03330	.00070	.05460
.252	-4.919	5.05740	.02490	.00780	-.00280	.07920	25.00000	.01000	.00570	.01000	-.01550
.252	-2.417	5.05700	.02790	.02360	-.01360	.12870	25.00000	.01000	.03710	.01000	-.03710
.252	.066	5.05600	.02950	-.00480	.01480	.00990	25.00000	.01000	-.01950	.01000	.01950
.252	2.556	5.05590	.03200	-.01440	.01980	.07920	25.00000	.00000	-.02890	.00000	.03950
.252	5.064	5.05240	.03440	-.02670	.04170	.05940	25.00000	.02000	-.07330	.02000	.06350
.251	10.099	5.05410	.03870	-.00960	.01970	.00000	25.00000	.01500	-.03420	.01500	.02440
	GRADIENT	-.00022	.00092	-.00381	.00386	-.00476	.00000	-.00120	-.00643	-.00120	.00889

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0G3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 353/ 0 RN/L = 7.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-8.053	-.00770	-.02240	.00270	.04950	55.00000	.06620	.00430	-.04900	-.00430	.00970
.251	-5.555	.00170	-.03460	.00940	-.02010	55.00000	.10400	-.01530	-.05380	-.01530	.03410
.251	-.097	.01600	-.01800	-.01190	.02970	55.00000	-.07890	-.00170	-.03430	-.01870	-.00500
.251	2.697	.02270	-.01270	-.00720	.08910	55.00000	.04730	-.00090	-.02450	-.00940	-.00500
.251	5.628	.02800	-.01260	-.00220	.05940	55.00000	.11350	.00430	-.02940	-.00430	-.00010
.251	7.164	.02810	-.01460	.01470	.08910	55.00000	-.02960	.00500	-.03420	.00500	.02440
.251	8.921	.02780	-.01410	.02980	.00000	55.00000	.06620	.00500	-.03330	.00500	.05460
.251	11.113	.02720	-.02710	.00220	-.05030	55.00000	.01890	-.01020	-.04410	-.01020	.01460
.251	13.313	.02650	-.01460	-.02520	.05940	55.00000	.03780	-.01530	-.01400	-.01530	-.03520
.251	16.556	.02570	-.05660	.02160	-.01010	55.00000	.10400	-.01530	-.09780	-.01530	.05850
.249	18.824	.02530	-.02940	.01940	.09900	55.00000	.03780	-.01530	-.04350	-.01530	.05420
	GRADIENT	.00240	.00190	.00168	.02125	.00000	.04516	.00029	.00351	.00333	.00000

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0G4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 359/ 0 RN/L = 4.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-7.878	.08770	-.02560	.04060	.02970	55.00000	.07560	-.00220	-.04890	.03220	.04890
.252	-5.456	.07700	-.02840	.04340	-.03020	55.00000	.00950	-.00800	-.04890	.03800	.04890
.253	-.084	.05210	-.02810	.02820	-.01010	55.00000	.06620	-.01220	-.04400	.02230	.03420
.252	2.669	.03900	-.03830	.04330	.00000	55.00000	.06620	-.01800	-.05860	.02800	.05860
.250	4.547	.02980	.00820	-.00820	.22770	55.00000	-.02960	.02130	-.00490	-.02130	.00490
.251	5.557	.02600	-.01480	.02490	.02970	55.00000	.03780	.01930	-.04890	.01070	.03910
.251	7.057	.02670	-.01680	.02720	.00990	55.00000	.01890	.03000	-.06360	.03000	.02430
.251	8.752	.02830	-.01700	.01230	.00990	55.00000	.09460	.01500	-.04900	.01500	.00970
.251	10.944	.02910	-.01700	.01230	.02970	55.00000	-.01970	.01000	-.04410	.01000	.01460
.251	13.087	.03030	-.02440	.01950	.03960	55.00000	.11350	.00000	-.04890	.00000	.03910
.249	16.303	.03250	-.02920	.03920	.09900	55.00000	.06620	.01500	-.07330	.01500	.06350
.249	18.505	.03320	-.03200	.01710	.05940	55.00000	.06620	.00500	-.04890	.00500	.02930
	GRADIENT	-.00481	.00699	-.00687	.04783	-.00000	-.01916	.00654	.00743	-.00857	-.00520

ARC 218-1-12 OA101 (OV102) NO SILTS, F.D. SEALED (C2Q0G5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 360/ 0 RN/L = 5.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-7.856	.07670	.02950	.00620	.00990	55.00000	.03780	.03780	.02130	.01220	.00010
.253	-5.464	.06780	.00660	.01340	.05940	55.00000	.03780	.03280	-.01950	.00720	.01950
.253	-.071	.04830	-.01030	.03070	-.03020	55.00000	.09460	.02780	-.04840	.00220	.05910
.253	2.683	.03770	-.00020	.02060	.00000	55.00000	.03780	.02350	-.02400	.00650	.03460
.253	5.521	.02580	-.02920	.04960	.05940	55.00000	.07560	.01930	-.07770	.01070	.08840
.252	7.027	.02610	-.00480	.01480	.06930	55.00000	.17020	.01000	-.01950	.01000	.01950
.253	8.700	.02500	-.01500	.02000	.07920	55.00000	.06620	-.00070	-.02930	.01080	.02930
.252	10.903	.02440	-.02780	.02290	-.05030	55.00000	.00950	.01280	-.06840	-.01280	.05860
.252	13.096	.02300	-.00230	-.00760	.02970	55.00000	.11350	.00000	-.00450	.00000	-.01510
.251	16.257	.02110	-.01440	.02470	.00990	55.00000	.03780	.03000	-.05870	.03000	.01940
.250	18.528	.01970	-.01220	.00740	.03960	55.00000	.07560	.00500	-.02940	.00500	.00970
	GRADIENT	-.00385	.00367	-.00367	.01097	-.00000	-.02063	-.00156	.00886	.00156	-.00890

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0G6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 8.000

RUN NO. 357/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-7.850	1.93060	.00190	.02310	.00000	55.00000	.09460	.01350	-.00980	.03650	.00980
.251	-5.572	2.09950	-.02930	.05950	.05940	55.00000	.25530	.03430	-.09290	.04570	.07320
.251	-.084	2.10250	-.00500	-.00460	.07920	55.00000	.04730	.00930	-.01930	.02080	-.02990
.252	2.703	2.10760	-.00600	.02100	.12870	55.00000	.08510	-.00220	-.00980	.03220	.00980
.251	5.530	2.17270	-.01780	.02790	.01980	55.00000	.09460	.00350	-.03910	.02650	.02930
.252	7.190	2.08840	-.01500	.02000	.01980	55.00000	.04730	-.00070	-.02930	.01080	.02930
.251	8.862	2.06930	-.04670	.05670	.02970	55.00000	.01890	.00430	-.09770	.01580	.09770
.252	11.129	2.09310	-.03210	.02740	-.03020	55.00000	.17020	.00930	-.07340	.02080	.03410
.251	13.340	2.07530	-.03480	.01490	.03960	55.00000	.19860	-.01090	-.05870	.00060	.02920
.251	16.567	2.08480	-.00760	-.00710	.05940	55.00000	.10400	-.00570	-.00940	.00570	-.02000
.250	18.670	2.05080	-.02530	.02530	.05940	55.00000	.06620	-.01150	-.03910	.01150	.03910
	GRADIENT	.00183	-.00036	.00919	.01776	-.00000	.01356	-.00413	.00341	.00409	.01424

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0G7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 354/ 0 RN/L = 7.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-6.143	5.39770	-.01010	.00520	.12870	55.00000	.13240	.00430	-.02450	-.00430	.01460
.251	-4.104	5.35390	-.00210	.02720	.12870	55.00000	.03780	.03000	-.03420	.03000	.02440
.251	-2.101	5.34370	.00020	.01480	.00990	55.00000	.15130	.01500	-.01470	.01500	.01470
.250	-1.062	5.33040	-.02790	.01290	.06930	55.00000	.08510	-.01660	-.03910	.00640	.01950
.251	-.223	5.31860	-.03320	.02320	.07920	55.00000	.07560	-.02240	-.04400	.01210	.03420
.251	.608	5.32600	-.00250	-.00730	.05940	55.00000	.11350	-.00570	.00080	.00570	-.02040
.252	1.065	5.33050	-.02930	.02930	.00000	55.00000	.05670	.00000	-.05860	.00000	.05860
.251	2.089	5.33940	-.04940	.00920	.00000	55.00000	.14180	-.02550	-.07340	-.02550	.04390
.251	3.175	5.34620	-.01710	.01220	.14850	55.00000	.04730	.00000	-.03420	.00000	.02440
.251	4.162	5.34930	-.00230	.01240	.08910	55.00000	-.00990	.01500	-.01960	.01500	.00970
.251	6.226	5.36560	-.01940	.01970	.06930	55.00000	.04730	.01500	-.05380	.01500	.02430
.251	8.227	5.38900	-.04150	.03180	.13860	55.00000	-.01970	.00500	-.08800	.00500	.05850
.251	10.229	5.40500	-.00970	.00490	-.03020	55.00000	.04730	.00500	-.02450	.00500	.00480
	GRADIENT	-.00005	-.00164	-.00146	.00007	-.00000	-.00601	-.00225	-.00103	-.00323	.00030

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0G8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 355/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.170	5.36890	.00300	-.00760	.02970	55.00000	-4.92910	.01500	-.00910	.01500	-.03030
.252	-4.195	5.36220	.00270	.01740	.12870	55.00000	-5.17550	.02500	-.01960	.02500	.00970
.251	-2.102	5.33520	-.00960	.01970	-.01010	55.00000	-4.81570	.01500	-.03420	.01500	.02440
.251	-1.049	5.32820	-.03950	.03960	.11880	55.00000	-4.98030	-.00070	-.07820	.01080	.06840
.251	-.204	5.32520	-.00730	.00250	.09900	55.00000	-4.99000	.01000	-.02450	.01000	-.00500
.251	.603	5.32990	-.00220	.01730	.07920	55.00000	-4.98030	.02000	-.02450	.02000	.01460
.251	1.060	5.32960	.03400	-.01900	.07920	55.00000	-4.99000	.01500	.05300	.01500	-.05300
.251	2.066	5.33970	-.01210	.01230	.08910	55.00000	-4.97040	.01500	-.03920	.01500	.00970
.251	3.148	5.34200	-.05890	.05920	.02970	55.00000	-4.99980	-.01090	-.10700	.00060	.11770
.251	4.155	5.34350	.00030	.01980	.05940	55.00000	-4.99980	.02500	-.02450	.02500	.01460
.251	6.223	5.35670	-.01220	.03750	.13860	55.00000	-4.92910	.01430	-.03860	.02580	.04930
.251	8.217	5.37020	-.01700	.02210	.10890	55.00000	-4.77450	.01500	-.04890	.01500	.02930
.251	10.187	5.38370	-.01450	.02460	.06930	55.00000	-4.93950	.01500	-.04400	.01500	.03420
	GRADIENT	-.00017	-.00159	.00114	-.00489	-.00000	.00682	-.00097	-.00222	-.00069	.00298

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0G9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 356/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-8.052	.03990	-.03890	.05390	.08910	55.00000	-4.94980	.01500	-.09280	.01500	.09280
.251	-5.575	.03710	-.00910	.04950	.01980	55.00000	-5.05840	.03500	-.05330	.03500	.06400
.252	-.103	.03310	-.01250	.02260	.07920	55.00000	-4.87760	.00930	-.03420	.02080	.02440
.252	2.702	.02970	-.00520	.01520	.07920	55.00000	-4.96010	.00930	-.01960	.02080	.00970
.251	5.641	.02390	-.01990	.02990	.00000	55.00000	-4.86730	.00430	-.04400	.01580	.04400
.252	7.150	.01880	-.01540	.01560	.04950	55.00000	-4.87760	-.00150	-.02940	.02150	.00970
.252	8.881	.01140	-.02780	.01300	.01980	55.00000	-4.96010	-.01150	-.04410	.01150	.01460
.252	11.108	.00380	-.02570	.02090	.00000	55.00000	-4.94980	-.01220	-.03910	.02230	.01950
.251	13.298	-.00580	-.01080	.00110	.00990	55.00000	-5.03880	-.01220	-.00940	.02230	-.02000
.251	16.562	-.01740	-.01830	.02340	.04950	55.00000	-4.92910	-.00220	-.03430	.03220	.01460
.250	18.821	-.02640	-.00230	.00740	.03960	55.00000	-4.98030	.01000	-.01470	.01000	.00490
	GRADIENT	-.00121	.00260	-.00264	-.00000	.00000	-.02941	.00000	.00521	.00000	-.00524

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0H0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 358/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-22.940	5.08640	.01980	.01720	.01290	.01980	55.00000	.03930	-.00490	.03070	-.00490
.252	-18.054	5.09260	.02130	-.00990	.02000	.11880	55.00000	.01930	-.03910	.01070	.02930
.251	-15.111	5.07050	.02320	-.01460	.01960	.07920	55.00000	.01000	-.03910	.01000	.02930
.252	-10.020	5.07100	.02510	.00480	.02030	.00000	55.00000	.02430	-.01470	.03570	.00490
.251	-4.888	5.09300	.02740	-.00990	.03990	.18810	55.00000	.02430	-.04400	.03570	.04400
.251	-2.487	5.07280	.02860	-.01320	.01870	.14850	55.00000	.01280	-.03920	.04720	-.00990
.251	.019	5.06780	.03080	-.00300	.02310	-.01010	55.00000	.01350	-.01960	.03650	.00970
.251	2.641	5.08950	.03160	.00200	.00820	.00000	55.00000	.00850	-.00450	.03150	-.01510
.251	5.140	5.07180	.03350	-.00290	-.00150	.00000	55.00000	.01280	-.01850	.04720	-.05030
.251	10.001	5.07210	.03580	-.03060	.02570	-.02010	55.00000	-.01720	-.04400	.01720	.03420
	GRADIENT	-.00054	.00059	.00184	-.00360	-.02871	-.00000	-.00185	.00552	-.00096	-.00623

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0H1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	4.500
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	4.500		

RUN NO. 366/ 0 RN/L = 4.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-7.433	.04390	4.51150	.01380	.10890	.00000	-.04930	4.54800	4.47500	.01090	.01670
.254	-5.311	.04130	4.50620	.00140	.05940	.00000	.01890	4.53040	4.48220	-.00680	.00950
.254	-2.104	.03740	4.48520	.01580	.09900	.00000	.08510	4.52230	4.44820	.01300	.01850
.254	.069	.03470	4.49400	.00700	.15840	.00000	.00000	4.53620	4.45170	-.00090	.01490
.255	2.263	.03180	4.49490	.00860	.00990	.00000	.10400	4.51180	4.47800	.01180	.00540
.254	4.472	.02890	4.49070	.01450	.15840	.00000	.19860	4.53620	4.44520	-.00090	.02990
.253	6.482	.02480	4.49690	.01660	.09900	.00000	.14180	4.52230	4.47140	.01300	.02030
.253	8.881	.01940	4.46440	.03900	-.03020	.00000	.03780	4.51180	4.41710	.01180	.06630
.253	11.019	.01430	4.46410	.03510	-.01010	.00000	.09460	4.51180	4.41650	.01180	.05850
.251	13.204	.00930	4.48200	.01970	-.04030	.00000	.00000	4.51050	4.45350	.00120	.03820
.252	14.282	.00660	4.46070	.04030	.04950	.00000	.01890	4.52700	4.39440	.00840	.07230
	GRADIENT	-.00130	.00079	-.00010	.00138	.00000	.02035	.00079	.00078	-.00132	.00114

RUN NO. 361/ 0 RN/L = 4.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.399	-7.431	.03880	4.50490	.00860	.06050	.00000	.01890	4.51310	4.49680	.02220	-.00510
.399	-5.362	.03750	4.49910	.01020	.03960	.00000	.05670	4.51310	4.48520	.02220	-.00180
.399	-2.118	.03470	4.50710	.00060	-.03020	.00000	.03780	4.50720	4.50690	.01630	-.01520
.399	.063	.03250	4.51170	.00010	.02970	.00000	.02840	4.50720	4.51610	.01630	-.01610
.399	2.257	.03080	4.48590	.01750	-.03020	.00000	.00000	4.51180	4.46010	.01180	.02330
.400	4.538	.02870	4.46950	.02810	-.08050	.00000	-.02960	4.49680	4.44220	.01500	.04120
.401	6.612	.02770	4.48870	.02480	.12870	.00000	.04730	4.51310	4.46420	.02220	.02740
.401	8.990	.02930	4.47910	.02440	.02970	.00000	-.12830	4.49810	4.46010	.02540	.02330
.401	11.165	.03120	4.48570	.02190	.03960	.00000	.11350	4.50720	4.46420	.01630	.02740
.402	13.400	.03180	4.47910	.02440	-.03020	.00000	.06620	4.49810	4.46010	.02540	.02330
.400	14.520	.03260	4.48500	.01850	-.03020	.00000	.00000	4.50270	4.46720	.02090	.01610
.399	15.582	.03300	4.47730	.02610	.09900	.00000	-.01970	4.49810	4.45650	.02540	.02690
.398	16.681	.03350	4.48140	.02210	.03960	.00000	.00950	4.50270	4.46010	.02090	.02330
.397	17.771	.03410	4.48630	.01720	.01980	.00000	.07560	4.49810	4.47440	.02540	.00890
.394	18.901	.03270	4.46980	.03360	-.01010	.00000	-.08880	4.51180	4.42780	.01180	.05550
	GRADIENT	-.00089	-.00627	.00451	-.00960	.00000	-.01042	-.00122	-.01130	-.00037	.00942

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0H2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	4.500		

RUN NO. 365/ 0 RN/L = 4.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-7.446	.05740	-.03910	.03910	.05940	.00000	-.01970	.00000	-.07820	.00000	.07820
.254	-5.382	.05240	-.01690	.03190	.11880	.00000	.14180	.01500	-.04890	.01500	.04890
.254	-2.229	.04520	-.00710	.01240	.08910	.00000	.04730	.00000	-.01420	.00000	.02490
.254	-.076	.04030	-.00240	.00240	-.05030	.00000	.05670	.00000	-.00490	.00000	.00490
.254	2.152	.03520	-.00020	.00020	.00000	.00000	.11350	-.00570	.00530	.00570	-.00530
.254	4.372	.02990	-.00490	.00000	-.05030	.00000	.01890	.00000	-.00980	.00000	.00000
.254	6.381	.02480	-.02690	.01220	.08910	.00000	.15130	.00000	-.05380	.00000	.02430
.254	8.722	.02080	-.05620	.05620	.11880	.00000	.13240	.00000	-.11240	.00000	.11240
.254	10.937	.01660	-.00500	-.01030	.08910	.00000	.09460	-.01530	.00530	-.01530	-.00530
.254	13.105	.01210	-.00760	-.01290	.02970	.00000	.05670	-.02040	.00530	-.02040	-.00530
.252	14.159	.01040	-.04160	.03160	.10890	.00000	.01890	-.00510	-.07820	-.00510	.06840
.252	15.192	.00830	.01110	-.03660	.00990	.00000	-.01970	-.02550	.04770	-.02550	-.04770
.252	16.263	.00600	-.04270	.02250	.00000	.00000	.15130	-.02680	-.05870	-.00380	.04880
.252	17.359	.00410	-.01500	-.00030	.00000	.00000	.16070	-.01530	-.01470	-.01530	.01470
.251	18.474	.00190	-.03480	-.00550	.02970	.00000	.13240	-.02550	-.04410	-.02550	.01460
	GRADIENT	-.00232	.00039	-.00178	-.01659	.00000	-.00133	-.00026	.00105	.00026	-.00384

RUN NO. 362/ 0 RN/L = 4.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.402	-7.599	.01180	.02340	-.00840	.00000	.00000	-.03950	.01500	.03180	.01500	-.03180
.403	-5.526	.01440	.02080	-.00580	.00990	.00000	.04730	.01500	.02650	.01500	-.02650
.402	-2.257	.01870	.01280	.00220	.02970	.00000	.00000	.01500	.01060	.01500	-.01060
.403	-.060	.02200	-.00230	.01230	.03960	.00000	.06620	.01000	-.01470	.01000	.01470
.403	2.182	.02420	-.01000	.02000	-.05030	.00000	.00950	.01430	-.03420	.00570	.03420
.404	4.410	.02710	.01830	-.00830	.00000	.00000	-.00990	.01000	.02650	.01000	-.02650
.403	6.499	.02950	-.00470	.01970	.04950	.00000	-.03950	.01500	-.02440	.01500	.02440
.402	8.855	.03090	.04200	-.02700	-.03020	.00000	-.06910	.01500	.06890	.01500	-.06890
.401	11.067	.03310	-.01200	.02700	.04950	.00000	-.03950	.01500	-.03910	.01500	.03910
.400	13.312	.03370	.01300	-.00300	-.04030	.00000	.10400	.01000	.01590	.01000	-.01590
.400	14.383	.03450	.00510	.00990	-.09060	.00000	-.03950	.01500	-.00490	.01500	.00490
.398	15.454	.03510	.02100	-.01090	-.01010	.00000	.04730	.01500	.02690	.01500	-.03670
.396	16.577	.03790	-.00970	.01970	.00000	.00000	.01890	.01000	-.02930	.01000	.02930
.396	17.681	.03660	.01810	-.01800	-.04030	.00000	-.02960	.00930	.02690	.00070	-.03670
.394	18.830	.03770	.00010	.00490	-.03020	.00000	.03780	.00500	-.00490	.00500	.00490
	GRADIENT	.00123	.00041	-.00108	-.00806	.00000	-.00393	-.00048	.00129	-.00087	-.00129

ARC 218-1-12 (OV102), NO SILTS POD (C2Q0H3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -5.000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 4.500

RUN NO. 364/ 0 RN/L = 4.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-7.524	.05740	-4.96840	.05810	.05940	.00000	.11350	-5.02730	-4.90940	.00730	.10890
.252	-5.557	.00120	-4.97020	.05120	.08910	.00000	.15130	-5.01240	-4.92810	.02230	.08010
.253	-2.350	.00950	-5.00020	.07170	.08910	.00000	.01890	-5.01240	-4.98810	.02230	.12110
.253	-.181	.01510	-4.98570	.09510	-.09060	.00000	.00950	-4.99100	-4.98040	.00090	.18940
.254	2.034	.03590	-4.98550	.05100	.00990	.00000	.11350	-5.03730	-4.93370	-.00270	.10470
.254	4.246	.03020	-4.96250	.03300	.08910	.00000	-.01970	-5.02660	-4.89840	-.00340	.06940
.253	6.342	.02780	-4.98030	.07070	.00000	.00000	.11350	-5.00660	-4.95390	.01650	.12490
.252	8.621	.02770	-5.01340	.08960	.01980	.00000	.07560	-5.01820	-5.00860	.02810	.15110
.252	10.796	.02770	-5.00620	.08170	.00000	.00000	.00000	-5.03310	-4.97920	.01310	.15020
.252	12.971	.02790	-4.96540	.04090	.02970	.00000	.09460	-5.02730	-4.90350	.00730	.07450
.252	14.032	.02620	-5.00070	.06620	.04950	.00000	.10400	-5.03730	-4.96400	-.00270	.13500
.251	15.058	.02790	-5.00910	.08880	.03960	.00000	.03780	-5.04310	-4.97500	.00310	.17450
.251	16.130	.02780	-5.00170	.05220	.09900	.00000	.16070	-5.06970	-4.93370	-.00030	.10470
.251	17.224	.02790	-4.99110	.04690	-.02010	.00000	.00950	-5.05390	-4.92840	.00300	.08990
.251	18.348	.02760	-5.02850	.07450	.03960	.00000	-.03950	-5.05310	-5.00380	-.00690	.15580
	GRADIENT	.00377	.00515	-.00731	.00471	.00000	-.00056	-.00406	.01437	-.00366	-.01096

RUN NO. 363/ 0 RN/L = 4.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.399	-7.716	-.03600	-4.97500	.06540	.01980	.00000	.05670	-4.99100	-4.95980	.00090	.13000
.399	-5.648	-.02740	-4.95980	.04530	.00000	.00000	.13240	-4.99590	-4.92360	-.00410	.09470
.401	-2.414	-.01080	-4.93190	.01260	.00990	.00000	.09460	-4.99590	-4.86780	-.00410	.02930
.400	-.217	.00080	-4.95210	.03280	.00990	.00000	.07560	-4.99590	-4.90820	-.00410	.06970
.400	2.005	.01200	-4.96690	.04290	.02970	.00000	.19860	-5.00580	-4.92810	.00580	.08010
.400	4.249	.02360	-4.96210	.03790	.05940	.00000	.17020	-5.00090	-4.92340	-.00910	.08490
.399	6.428	.02510	-4.98940	.07020	.02970	.00000	.04730	-5.00000	-4.97890	.00000	.14040
.400	8.698	.01990	-4.98960	.05560	.00000	.00000	.08510	-5.01580	-4.96340	-.00420	.11540
.400	10.950	.01490	-4.96660	.04260	.02970	.00000	-.03950	-5.00000	-4.93310	.00000	.08520
.399	13.156	.00870	-4.98940	.06010	.09900	.00000	.05670	-5.01000	-4.96880	-.01000	.13030
.398	14.246	.00770	-4.97420	.04500	.00000	.00000	.14180	-5.01000	-4.93850	-.01000	.10000
.397	15.281	.00350	-5.01490	.07590	.00000	.00000	.06620	-5.01090	-5.01900	-.01910	.17100
.396	16.378	.00090	-4.94940	.02010	.00990	.00000	-.00990	-5.01580	-4.88300	-.00420	.04450
.395	17.479	-.00230	-4.98460	.06060	.00000	.00000	.00950	-5.00580	-4.96340	.00580	.11540
.392	18.660	-.00230	-4.96150	.03250	.00990	.00000	-.08880	-5.00500	-4.91800	-.00500	.07000
	GRADIENT	.00515	-.00473	.00386	.00759	.00000	.01574	-.00112	-.00838	-.00024	.00796

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (C2Q0H4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 374/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-4.419	-.01960	.00330	-.03820	.00000	25.00000	-.06910	-.02680	.03340	-.00380	-.07270
.251	-2.347	-.02000	.00860	-.03870	-.01010	25.00000	-.03950	-.02110	.03830	-.00960	-.06780
.251	-.228	-.02080	.01660	-.03640	.00000	25.00000	-.04930	-.00510	.03830	-.00510	-.06780
.251	2.045	-.02010	.02160	-.03140	.00000	25.00000	-.04930	.00000	.04320	.00000	-.06290
.250	4.209	-.01980	.01910	-.03390	.00000	25.00000	-.05920	.00000	.03830	.00000	-.06780
.250	6.501	-.02030	.01910	-.03390	-.01010	25.00000	-.06910	.00000	.03830	.00000	-.06780
.251	8.558	-.02070	.02670	-.03160	-.01010	25.00000	-.06910	.00000	.05340	.00000	-.06320
.250	10.553	-.01950	.02160	-.03140	-.01010	25.00000	-.04930	.00500	.03830	.00500	-.06780
.249	12.723	-.01820	.02410	-.02900	-.01010	25.00000	-.05920	.00000	.04810	.00000	-.05790
.250	15.045	-.01860	.01910	-.03390	.00000	25.00000	-.05920	.00000	.03830	.00000	-.06780
.249	17.181	-.01720	.02400	-.02910	.00000	25.00000	-.03950	-.00510	.05300	-.00510	-.05300
.250	19.408	-.01540	.02120	-.02610	-.01010	25.00000	-.03950	-.00570	.04810	.00570	-.05790
.249	21.632	-.01530	.02160	-.03140	-.01010	25.00000	-.04930	.00500	.03830	.00500	-.06780
	GRADIENT	-.00002	.00205	.00074	.00047	.00000	.00042	.00344	.00068	.00081	.00068

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (C2Q0H5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 375/ 0 RN/L = 5.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.249	-4.365	-.02150	.03100	-.03590	.00000	25.00000	-.03950	.00850	.05340	-.00850	-.06320
.248	-2.198	-.02100	.03340	-.03340	-.01010	25.00000	-.03950	.00850	.05830	-.00850	-.05830
.249	-.204	-.02100	.03080	-.03080	.00000	25.00000	-.03950	.00850	.05300	-.00850	-.05300
.249	2.035	-.02110	.02120	-.03610	.00000	25.00000	-.03950	-.00090	.04320	-.00940	-.06290
.250	4.193	-.02080	.02580	-.03580	-.01010	25.00000	-.04930	.00340	.04810	-.01360	-.05790
.250	6.460	-.02110	.01840	-.03350	.00000	25.00000	-.03950	-.00600	.04280	-.01450	-.05260
.250	8.510	-.02110	.01840	-.03350	.00000	25.00000	-.04930	-.00600	.04280	-.01450	-.05260
.250	10.487	-.02100	.01820	-.03800	.00000	25.00000	-.04930	.00340	.03300	-.01360	-.06250
.249	12.631	-.01960	.02620	-.03110	-.01010	25.00000	-.03950	.00430	.04810	-.00430	-.05790
.248	14.890	-.01940	.02150	-.03150	.00000	25.00000	-.03950	-.00510	.04810	-.00510	-.05790
.248	16.988	-.01960	.01850	-.03880	.00000	25.00000	-.03950	-.01110	.04810	-.01960	-.05790
.250	19.230	-.01990	.01490	-.05510	.00000	25.00000	-.04930	-.00850	.03830	-.04250	-.06780
.249	21.434	-.01870	.01100	-.03630	-.01010	25.00000	-.04930	-.02620	.04810	-.01470	-.05790
	GRADIENT	.00006	-.00106	-.00013	-.00049	-.00000	-.00092	-.00092	-.00120	-.00052	.00027

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (C2Q0H6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 376/ 0 RN/L = 3.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.248	-4.362	-.02210	.01150	-.04150	.00000	25.00000	-.04930	-.01530	.03830	-.01530	-.06780
.248	-2.330	-.02230	.01640	-.03660	.00000	25.00000	-.04930	-.01530	.04810	-.01530	-.05790
.250	-.223	-.02200	.00850	-.04880	.00000	25.00000	-.03950	-.02130	.03830	-.02980	-.06780
.250	2.024	-.02180	.00130	-.05170	-.01010	25.00000	-.04930	-.03570	.03830	-.03570	-.06780
.250	4.169	-.02160	.02160	-.03140	-.01010	25.00000	-.04930	.00000	.04320	.00000	-.06290
.250	6.029	-.02170	.01580	-.02580	-.01010	25.00000	-.04930	-.01660	.04810	.00640	-.05790
.249	8.445	-.02220	.01040	-.02540	-.01010	25.00000	-.03950	-.02240	.04320	.01210	-.06290
.249	10.425	-.02180	.01870	-.02860	-.01010	25.00000	-.04930	-.00570	.04320	.00570	-.06290
.249	12.575	-.02150	.01580	-.02580	-.02010	25.00000	-.04930	-.01660	.04810	.00640	-.05790
.249	14.792	-.02150	.02120	-.02610	-.01010	25.00000	-.06910	-.00570	.04810	.00570	-.05790
.249	16.889	-.02150	.01290	-.02290	.00000	25.00000	-.05920	-.02240	.04810	.01210	-.05790
.248	19.088	-.02130	.00580	-.04100	-.01010	25.00000	-.05920	-.03190	.04360	-.00890	-.07310
.249	21.245	-.02120	.02040	-.01540	.00000	25.00000	-.03950	-.01220	.05300	.02230	-.05300
	GRADIENT	.00007	.00024	.00025	-.00143	.00000	-.00002	.00048	-.00001	.00050	-.00001

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (C2Q0H7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 377/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-4.242	1.90820	.02820	-.02800	.01980	25.00000	-.00990	.01850	.03790	.00150	-.05760
.251	-2.235	1.92240	.02070	-.03550	.00990	25.00000	.00000	.00850	.03300	-.00850	-.06250
.251	-.052	1.93570	.02350	-.02840	.00990	25.00000	-.00990	.00430	.04280	-.00430	-.05260
.251	2.140	1.94760	.03100	-.01570	.04950	25.00000	-.00990	.03430	.02770	.02570	-.05720
.251	4.309	1.95580	.02090	-.02580	.01980	25.00000	-.00990	.00930	.03260	.00070	-.05230
.251	6.622	1.96170	.02840	-.01830	.02970	25.00000	-.00990	.02430	.03260	.01570	-.05230
.250	8.689	1.96420	.02110	-.03090	.02970	25.00000	-.00990	.00930	.03300	.00070	-.06250
.250	10.701	1.96590	.02350	-.02320	.04950	25.00000	-.00990	.02430	.02280	.01570	-.06210
.249	12.867	1.96510	.01840	-.02830	.00990	25.00000	-.01970	.00430	.03260	-.00430	-.05230
.249	15.126	1.96200	.02060	-.03030	.01980	25.00000	-.00990	.01850	.02280	.00150	-.06210
.248	17.333	1.95520	.01810	-.03280	.00000	25.00000	-.00990	.00850	.02770	-.00850	-.05720
.247	19.504	1.94410	.02050	-.03040	.00000	25.00000	-.00990	.00850	.03260	-.00850	-.05230
.247	21.769	1.92760	.02820	-.02800	.00990	25.00000	-.00990	.01850	.03790	.00150	-.05760
	GRADIENT	.00560	-.00019	.00114	.00187	.00000	-.00048	.00037	-.00074	.00154	.00075

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (C2Q0H8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 378/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.249	-4.169	1.89820	.03520	-.02520	-.01010	25.00000	-.00990	.02280	.04770	-.00280	-.04770
.249	-2.206	1.91210	.02860	-.02860	-.02010	25.00000	-.00990	.00430	.05300	-.00430	-.05300
.249	-.026	1.92590	.02310	-.03310	.00000	25.00000	-.00990	.00340	.04280	-.01360	-.05260
.248	2.133	1.93650	.03880	-.01850	.00990	25.00000	-.00990	.01930	.05840	.01070	-.04770
.248	4.289	1.94550	.03330	-.02290	.00000	25.00000	-.00990	.01350	.05310	-.00350	-.04240
.248	6.545	1.95160	.02850	-.02350	.00000	25.00000	-.01970	.00930	.04770	.00070	-.04770
.248	8.596	1.95490	.02580	-.02080	-.01010	25.00000	-.00990	.00930	.04240	.00070	-.04240
.248	10.642	1.95550	.02360	-.03360	-.04030	25.00000	-.00990	-.00090	.04810	-.00940	-.05790
.247	12.787	1.95450	.02140	-.02630	-.02010	25.00000	-.00990	.00000	.04280	.00000	-.05260
.247	14.959	1.95100	.02330	-.02330	-.04030	25.00000	-.00990	.00430	.04240	-.00430	-.04240
.246	17.092	1.94530	.02080	-.02590	-.02010	25.00000	-.00990	-.00090	.04240	-.00940	-.04240
.245	19.272	1.93520	.01870	-.02380	-.01010	25.00000	-.01970	-.00510	.04240	-.00510	-.04240
.245	21.338	1.92450	.02370	-.01870	.00000	25.00000	-.00990	.00500	.04240	.00500	-.04240
	GRADIENT	.00559	.00032	.00071	.00238	-.00000	.00000	-.00013	.00076	.00065	.00077

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (C2Q0H9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 379/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.250	-4.132	1.89150	.03300	-.03280	-.01010	25.00000	-.00990	.00760	.05840	-.01790	-.04770
.250	-2.150	1.90620	.02110	-.02620	-.01010	25.00000	-.00990	-.01090	.05300	.00060	-.05300
.250	-.021	1.91950	.01060	-.02570	-.01010	25.00000	-.01970	-.02170	.04280	.00130	-.05260
.250	2.142	1.93050	.01310	-.02840	-.02010	25.00000	-.01970	-.02680	.05300	-.00380	-.05300
.249	4.272	1.93900	.01310	-.02840	-.02010	25.00000	-.01970	-.02680	.05300	-.00380	-.05300
.249	6.503	1.94530	.02100	-.03630	-.01010	25.00000	-.01970	-.01110	.05300	-.01960	-.05300
.249	8.555	1.94860	.02780	-.03800	-.03020	25.00000	-.01970	.00250	.05300	-.02300	-.05300
.249	10.572	1.94960	.02350	-.03370	.00000	25.00000	-.01970	-.00600	.05300	-.01450	-.05300
.249	12.718	1.94880	.02050	-.03580	-.01010	25.00000	-.00990	-.00680	.04770	-.02380	-.04770
.248	14.877	1.94460	.02260	-.03790	-.02010	25.00000	-.00990	-.00260	.04770	-.02810	-.04770
.249	17.007	1.93850	.01990	-.03520	-.03020	25.00000	-.01970	-.00260	.04240	-.02810	-.04240
.248	19.170	1.92990	.02470	-.04000	-.03020	25.00000	-.01970	.00170	.04770	-.03230	-.04770
.248	21.146	1.91860	.02210	-.03740	-.02010	25.00000	-.01970	.00170	.04240	-.03230	-.04240
	GRADIENT	.00565	-.00224	.00030	-.00143	-.00000	-.00139	-.00399	-.00049	.00110	-.00049

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (C2Q010) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 332/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-8.047	.01760	.01400	.03930	.02970	.00000	.04730	-.00570	.03380	.00570	.07290
.252	-5.534	.01720	-.00430	.02500	.03960	.00000	.09460	.01000	-.01860	.01000	.04000
.252	-.096	.02530	-.00240	.00240	.00000	.00000	.04730	.00000	-.00490	.00000	.00490
.251	2.738	.02840	-.00900	.03000	.10890	.00000	.04730	.00500	-.02310	.00500	.05510
.252	5.631	.02780	-.01190	.01740	.08910	.00000	.03780	-.00510	-.01860	-.00510	.04000
.253	7.207	.02320	-.02800	-.00270	.08910	.00000	.01890	-.03640	-.01950	-.02490	.01950
.252	8.929	.01990	-.03640	-.00450	-.01010	.00000	.02840	-.05810	-.01470	-.02360	.01470
.252	11.133	.01520	-.04240	.00160	.00000	.00000	.04730	-.04080	-.04400	-.04080	.04400
.252	13.338	.00720	-.02760	.01230	-.01010	.00000	.04730	-.02110	-.03420	-.00960	.03420
.251	16.616	-.00060	-.02990	.00430	-.03020	.00000	.03780	-.02550	-.03420	-.02550	.03420
.250	18.833	-.00670	-.03220	.01180	.00990	.00000	.06620	-.02040	-.04400	-.02040	.04400
	GRADIENT	.00109	-.00233	.00974	.03843	.00000	.00000	.00176	-.00642	.00176	.01771

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (C2Q011) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 8.000

RUN NO. 335/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-7.821	1.98830	-.01240	.02240	-.08050	.00000	.04730	.01430	-.03910	.00570	.03910
.254	-5.575	2.04970	-.01950	.01470	.00990	.00000	.07560	.01000	-.04890	.01000	.01950
.254	-.053	2.12230	-.01470	.00490	-.04030	.00000	.04730	.00000	-.02940	.00000	.00970
.253	2.742	2.12640	.00510	.00990	.00000	.00000	.04730	.01500	-.00490	.01500	.00490
.253	5.561	2.12860	-.02950	.00960	.04950	.00000	.04730	-.00510	-.05380	-.00510	.02430
.254	7.227	2.08130	-.00240	.00250	.00000	.00000	.08510	.01000	-.01470	.01000	-.00490
.254	8.926	2.08840	-.01690	.01730	.07920	.00000	.00950	.02500	-.05880	.02500	.00960
.254	11.194	2.11590	.01030	-.00030	.00990	.00000	.06620	.01500	.00570	.01500	-.01550
.253	13.413	2.08870	-.00760	.01280	-.07050	.00000	.07560	.00930	-.02450	.02080	.00480
.252	16.690	2.09300	-.01240	.02270	-.01010	.00000	.03780	.01930	-.04410	.03080	.01460
.251	18.708	2.02700	-.01990	.01520	.01980	.00000	.00950	.00430	-.04410	.01580	.01460
	GRADIENT	.00147	.00709	.00179	.01442	.00000	.00000	.00537	.00877	.00537	-.00172

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (C2Q012) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 336/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-6.175	5.42860	-.00210	.02720	.00000	.00000	.09460	.03000	-.03420	.03000	.02440
.253	-4.181	5.40660	.00280	.01740	.00000	.00000	.04730	.03000	-.02450	.03000	.00480
.254	-2.120	5.38290	-.01440	.02470	-.05030	.00000	.05670	.02500	-.05380	.02500	.02430
.253	-1.042	5.37490	-.00050	.00570	.03960	.00000	.08510	.00350	-.00450	.02650	-.01510
.253	-.205	5.36010	-.00560	.01080	-.05030	.00000	.05670	.00350	-.01470	.02650	-.00490
.253	.591	5.36960	-.02020	.03030	-.08050	.00000	.04730	.00350	-.04400	.02650	.03420
.253	1.060	5.37270	-.02200	.01710	.06930	.00000	-.00990	.00000	-.04400	.00000	.03420
.253	2.111	5.38230	.00520	.01010	-.03020	.00000	-.01970	.03000	-.01960	.03000	-.00990
.253	3.180	5.39170	-.02210	.02760	.01980	.00000	.01890	.02430	-.06850	.03570	.01940
.253	6.251	5.40710	-.00510	.01530	-.04030	.00000	.09460	.01930	-.02940	.03080	-.00010
.253	8.264	5.42880	-.01140	.01160	.05940	.00000	.00000	-.00800	-.01470	.03800	-.01470
.253	10.266	5.44720	-.01860	.03860	.01980	.00000	.04730	.00200	-.03910	.04800	.02930
	GRADIENT	-.00204	-.00204	.00058	.00242	.00000	-.00923	-.00079	-.00328	-.00010	.00125

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (C2Q013) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 337/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-6.109	5.56530	5.01520	.02580	-.05030	.00000	.06620	4.99530	5.03510	-.00330	.05490
.252	-4.181	5.54180	5.01700	.03250	.06930	.00000	-.00990	5.00880	5.02530	.01020	.05470
.251	-2.105	5.51320	5.00460	.04930	.02970	.00000	.12290	5.00840	5.00080	.01950	.07920
.253	-1.040	5.50130	5.00220	.05180	-.11070	.00000	.04730	5.01330	4.99110	.01470	.08890
.252	-.222	5.49100	4.98820	.05230	.07920	.00000	.09460	4.98040	4.99590	.02060	.08410
.252	.609	5.49720	5.03510	.03090	.05940	.00000	.00000	4.99530	5.07490	-.00330	.06510
.252	1.064	5.49930	5.02200	.03750	.04950	.00000	-.01970	5.01360	5.03040	.00530	.06960
.253	2.123	5.50720	5.01210	.03740	.00000	.00000	.02840	5.01850	5.00570	.00050	.07430
.252	3.161	5.52070	4.99460	.03940	.04950	.00000	.06620	5.01330	4.97590	.01470	.06410
.253	4.153	5.52650	4.99580	.03070	.17820	.00000	.02840	4.99080	5.00070	-.00780	.06930
.252	6.251	5.54860	5.01520	.02080	-.01010	.00000	.03780	4.98560	5.04490	.00640	.03510
.252	8.264	5.56030	4.98710	.03190	-.03020	.00000	.09460	4.97330	5.00090	-.02530	.08910
.252	10.280	5.57830	4.99020	.06430	-.09060	.00000	.03780	5.00880	4.97160	.01020	.11840
	GRADIENT	-.00096	-.00133	-.00106	.01040	.00000	-.00114	-.00047	-.00219	-.00208	-.00003

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (C2Q014) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 333/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.252	-35.127	4.45090	.03290	-.03310	.05940	.00000	.09460	-35.13500	-35.11900	.00450	-.07080
.252	-29.981	4.45700	.03260	.08590	.00990	.00000	.10400	-30.10000	-29.86300	-.01720	.18890
.253	-25.059	4.41770	.03300	-.00440	.03960	.00000	.06620	-25.09400	-25.02400	.01580	-.02460
.253	-20.101	4.49330	.03300	-.02680	.08910	.00000	.05670	-20.06500	-20.13800	.03480	-.08830
.253	-15.026	4.61050	.03230	.01050	.07920	.00000	.03780	-15.04300	-15.01000	.02120	-.00030
.253	-9.992	4.73630	.03200	.00170	-.03020	.00000	.02840	-10.00700	-9.97660	-.00120	.00460
.253	-4.971	4.88850	.03170	.06600	.04950	.00000	.07560	-4.99750	-4.94440	-.00250	.13440
.253	-.025	5.02510	.03150	.01490	.00990	.00000	.06620	-.01600	-.03420	-.00450	.03420
.253	5.011	5.14750	.03150	.04080	.04950	.00000	.09460	4.99080	5.03060	-.00780	.08940
.253	9.994	5.28120	.03110	-.01170	-.18120	.00000	-.00990	10.02800	9.96010	.00470	-.02810
.253	14.991	5.42480	.03110	-.02250	.00000	.00000	.03780	15.02700	14.95600	-.02690	-.01810
.252	20.163	5.56330	.03170	.18150	-.03020	.00000	.00950	20.04200	20.29300	-.01350	.37660
	GRADIENT	.02762	-.00004	-.01033	-.00801	.00000	-.00190	1.00720	.99278	-.00040	-.02026

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (C2Q015) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 334/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-11.738	5.00720	.03210	.00480	-.00470	.00000	.12290	.00930	.00040	.00070	-.01020
.253	-7.931	5.00800	.03220	-.00270	.00770	.00000	.13240	.01430	-.01960	.00570	.00970
.253	-5.893	5.00380	.03260	-.00270	.00770	.00000	.05670	.01430	-.01960	.00570	.00970
.253	-2.934	5.01290	.03240	.01750	.00260	.00000	-.00990	.02930	.00570	.02070	-.01550
.253	-.030	5.02160	.03200	-.00750	.02250	.00000	.04730	.01930	-.03420	.01070	.03420
.253	3.013	5.03200	.03170	.00440	.00570	.00000	.06620	.02350	-.01470	.00650	.00490
.253	5.970	5.05270	.03180	-.00750	.01760	.00000	-.01970	.01930	-.03420	.01070	.02440
.253	7.970	5.03830	.03260	-.01940	.01970	.00000	.02840	.01500	-.05380	.01500	.02430
.253	12.150	5.04920	.03270	-.00510	.01020	.00000	-.00990	.01430	-.02450	.00570	.01460
.253	16.370	5.06770	.03160	-.01210	.01720	.00000	.06620	.01000	-.03420	.01000	.02440
.253	22.500	5.09610	.03200	.00980	.00030	.00000	.05670	.01930	.00040	.01070	-.01020
	GRADIENT	.00321	-.00012	-.00215	.00047	.00000	.01274	-.00096	-.00335	-.00238	.00333

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (C2Q016) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 338/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-7.894	.01270	-.00580	.04080	.00990	.00000	.01890	.01780	-.02930	.05220	.02930
.253	-5.452	.01430	.01670	.02330	-.05030	.00000	.14180	.02280	.01060	.05720	-.01060
.253	-.101	.02280	-.01550	.05550	-.05030	.00000	.01890	.02280	-.05370	.05720	.05370
.254	2.696	.02640	-.01600	.04600	.02970	.00000	-.01970	.00700	-.03910	.05300	.03910
.253	5.608	.02750	-.01360	.04360	.13860	.00000	.05670	.01200	-.03910	.05800	.02930
.253	7.115	.02410	-.01570	.03090	.10890	.00000	.12290	.01280	-.04410	.04720	.01460
.253	8.793	.02040	-.02130	.05140	.13860	.00000	.04730	.01130	-.05380	.06870	.03410
.253	10.989	.01550	-.02320	.02340	-.01010	.00000	.06620	-.00220	-.04410	.03220	.01460
.253	13.169	.01070	-.05040	.05080	.00000	.00000	.09460	.00200	-.10270	.04800	.05360
.251	16.313	.00330	-.01610	.04110	.04950	.00000	-.00990	.00700	-.03910	.05300	.02930
.251	18.553	-.00220	-.04230	.04250	.06930	.00000	.11350	.00350	-.08800	.02650	.05850
	GRADIENT	.00129	-.00018	-.00340	.02860	.00000	-.01380	-.00565	.00522	-.00150	-.00522

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (C2Q017) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 341/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-7.746	1.94140	.02330	-.00330	.19800	.00000	.03780	.02000	.02650	.02000	-.02650
.251	-5.471	2.08900	-.01710	.04220	.03960	.00000	-.00990	.03430	-.06840	.02570	.05860
.251	-.050	2.10470	.01710	-.00210	.14850	.00000	.04730	.02350	.01060	.00650	-.01060
.251	2.715	2.08400	.00020	.01980	.04950	.00000	.03780	.02000	-.01950	.02000	.01950
.251	5.490	2.12370	-.00440	.02980	.12870	.00000	.03780	.02000	-.02890	.02000	.03950
.251	7.166	2.08580	-.00990	.01520	.10890	.00000	.05670	.02430	-.04410	.01570	.01460
.251	8.799	2.05760	-.01200	.01730	.15840	.00000	.01890	.02000	-.04410	.02000	.01460
.251	11.017	2.07800	-.00950	.02950	.05940	.00000	.01890	.02000	-.03910	.02000	.03910
.247	13.238	2.04210	.02580	-.00070	.20790	.00000	.01890	.03000	.02160	.03000	-.03140
.250	16.380	2.06580	-.00960	.01970	.02970	.00000	.03780	.01500	-.03420	.01500	.02440
.249	18.399	2.02280	-.00290	.00810	.07920	.00000	.03780	.02350	-.02940	.00650	.00970
	GRADIENT	-.00749	-.00611	.00792	-.03581	.00000	-.00344	-.00127	-.01089	.00488	.01089

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (C2Q018) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 342/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-5.308	5.12010	.00500	.02510	.02970	.00000	.00950	.03930	-.02930	.03070	.01950
.251	.010	5.22180	.02250	.02320	.08910	.00000	.00950	.03930	.00580	.03070	.01560
.251	2.163	5.20560	.00000	.03000	-.01010	.00000	.00950	.03430	-.03420	.02570	.03420
.251	5.500	5.23230	.00750	.03250	.08910	.00000	.04730	.04430	-.02930	.03570	.02930
.251	6.630	5.16080	-.00240	.02270	.00000	.00000	.01890	.03930	-.04410	.03070	.01460
.251	8.773	5.16180	.00510	.03010	.00990	.00000	.03780	.04930	-.03910	.04070	.01950
.251	11.015	5.18160	.02200	.02810	.08910	.00000	.00000	.06350	-.01960	.04650	.00970
.250	13.150	5.12850	-.01970	.02980	.02970	.00000	.11350	.01930	-.05870	.01070	.04880
.250	16.321	5.08540	-.00750	.00780	.07920	.00000	.01890	.01930	-.03430	.01070	.00480
	GRADIENT	-.00752	-.01045	.00316	-.04608	.00000	.00000	-.00232	-.01858	-.00232	.00864

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (C2Q019) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 343/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-6.219	5.38760	.02690	.01840	.05940	.00000	.12290	.04850	.00530	.03150	.00530
.251	-4.167	5.35300	.01480	.00530	.07920	.00000	.06620	.02930	.00040	.02070	-.01020
.251	-2.071	5.32290	-.00240	.03740	.05940	.00000	.02840	.03930	-.04400	.03070	.04400
.251	-1.044	5.30600	-.01420	.04020	.02970	.00000	.11350	.01430	-.04260	.00570	.07460
.250	-.203	5.29550	.03300	.00220	-.09060	.00000	.02840	.05430	.01180	.04570	-.04130
.251	.618	5.30190	.00260	.00750	.10890	.00000	.04730	.01500	-.00980	.01500	.00000
.250	1.067	5.30690	.01290	-.01250	.01980	.00000	.06620	.02930	-.00340	.02070	-.04580
.249	2.082	5.31620	-.00740	.01770	.04950	.00000	.09460	.02930	-.04410	.02070	.01460
.249	3.146	5.32240	-.01040	.01040	-.07050	.00000	.02840	.01350	-.03420	-.00350	.02440
.251	4.176	5.33180	-.00970	.01480	.00000	.00000	.05670	.01000	-.02930	.01000	.01950
.252	6.198	5.35710	.00980	.00030	.08910	.00000	.06620	.01930	.00040	.01070	-.01020
.252	8.208	5.37630	.01730	.00780	.01980	.00000	.00950	.03430	.00040	.02570	-.01020
.253	10.181	5.39440	.02290	-.00790	.13860	.00000	-.00990	.01930	.02650	.01070	-.02650
	GRADIENT	-.00167	-.00238	-.00126	-.01046	.00000	-.00088	-.00252	-.00223	-.00231	-.00019

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (C2Q0J0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 344/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.253	-6.148	5.49090	5.00480	.04470	.02970	.00000	.01890	5.01360	4.99590	.00530	.08410
.252	-4.184	5.46920	5.03960	.04040	.25740	.00000	.04730	5.01400	5.06510	-.00400	.08490
.252	-2.067	5.43760	5.04140	.04710	.06930	.00000	.03780	5.02750	5.05530	.00950	.08470
.252	-1.042	5.41920	5.03930	.08410	.10890	.00000	.03780	5.07240	5.00620	.05440	.11380
.252	-.222	5.41740	5.02430	.04470	.13860	.00000	.04730	5.01810	5.03050	.00980	.07950
.252	.613	5.42050	5.02240	.02810	.01980	.00000	.06620	5.00950	5.03530	-.00850	.06470
.252	1.064	5.42640	5.02960	.03540	.00990	.00000	.03780	5.01400	5.04530	-.00400	.07470
.252	2.089	5.42870	5.02280	.04320	.00990	.00000	-.01970	5.00010	5.04550	-.00820	.09450
.252	3.147	5.44140	4.99780	.06220	.05940	.00000	.05670	5.01400	4.98160	-.00400	.12840
.252	4.155	5.44860	5.02940	.04010	.05940	.00000	.04730	5.01850	5.04040	.00050	.07960
.252	6.203	5.46290	5.01250	.05250	.05940	.00000	.00950	5.01400	5.01110	-.00400	.10890
.252	8.213	5.47750	5.03540	.04600	.20790	.00000	.01890	5.04550	5.02540	.02750	.06460
.252	10.181	5.49240	5.04000	.04090	.04950	.00000	.00000	5.04990	5.03010	.03190	.04990
	GRADIENT	-.00147	-.00343	-.00045	-.02157	.00000	-.00097	-.00233	-.00450	-.00214	.00123

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (C2Q0J1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 340/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-25.071	4.53540	.03030	.00270	.00000	.00000	.04730	-25.09400	-25.04800	.00590	-.00060
.251	-20.094	4.59130	.03010	-.03890	.12870	.00000	.09460	-20.06500	-20.12400	.02410	-.10200
.251	-15.046	4.69750	.02990	.04040	.13860	.00000	.13240	-15.03800	-15.05400	.02640	.05440
.252	-10.019	4.81440	.03000	.01830	.09900	.00000	.05670	-10.01300	-10.02500	-.00680	.04340
.251	-4.973	4.93380	.03000	.07820	-.03020	.00000	.14180	-4.99710	-4.94950	.01690	.13950
.251	.003	5.06490	.02960	.01730	.11880	.00000	.06620	.02000	-.01470	.02000	.01470
.252	5.034	5.17300	.02970	.03960	.11880	.00000	.00000	5.02750	5.04030	.00950	.06970
.251	9.984	5.29260	.02920	-.00570	.00000	.00000	.07560	10.02400	9.94390	.00040	-.01190
.251	14.781	5.39890	.02920	-.21370	-.06040	.00000	-.01970	14.62500	14.93600	-.41880	-.00860
.251	20.163	5.50530	.02940	.16130	.12870	.00000	.13240	20.04200	20.28400	-.01350	.33600
	GRADIENT	.02635	-.00008	-.01224	.02994	.00000	-.01519	1.00826	.99172	.00062	-.02508

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (C2Q0J2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 339/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.251	-11.730	5.04600	.03020	.01480	.01520	.00000	-.00990	.02430	.00530	.03570	-.00530
.251	-8.008	5.05210	.02990	.00150	.02360	.00000	.14180	.01280	-.00580	.04720	.00000
.252	-5.882	5.05140	.03020	-.01270	.04270	.00000	.04730	.01850	-.04400	.04150	.04400
.252	-2.998	5.05890	.03030	.02260	.01240	.00000	-.00990	.02930	.01590	.04070	-.01590
.252	.119	5.06690	.02990	-.03240	.04740	.00000	-.03950	.00350	-.06840	.02650	.06840
.252	3.013	5.07410	.02970	.01010	.01490	.00000	.05670	.02500	-.00490	.02500	.00490
.252	6.030	5.07750	.03000	-.03450	.04460	.00000	-.01970	.00930	-.07820	.02080	.06840
.252	7.951	5.08710	.03010	-.00540	.03540	.00000	.08510	.01850	-.02930	.04150	.02930
.251	12.037	5.09880	.02980	.00430	.02070	.00000	.00950	.01850	-.00980	.04150	.00000
.252	16.424	5.11040	.03010	-.02010	.04510	.00000	-.03950	.01350	-.05370	.03650	.05370
.251	22.500	5.13260	.02990	.00520	.02480	.00000	.00950	.03000	-.01950	.03000	.01950
	GRADIENT	.00253	-.00010	-.00228	.00055	.00000	.01082	-.00081	-.00376	-.00264	.00376

ARC 218-1-12 OA101 (OV102) (D2Q001) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 172/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-7.765	-.00980	.01000	-.10750	-.01150	.01980	.09600	.06910
.251	-5.357	.00000	.05000	.02120	-.01150	.05000	-.03270	.02300
.252	-.068	.01070	-.01020	-.08790	-.02300	-.02090	.06490	.03460
.251	2.087	-.01970	-.03060	.01060	-.02300	-.01100	-.03360	.04610
.251	4.274	.00000	.03000	-.00980	-.02300	.03000	-.01320	.01150
.251	5.652	-.04910	.01000	-.08790	-.03450	.05920	.05340	.05760
.251	6.588	-.03930	.00000	-.06840	-.01150	.03930	.05690	.05760
.251	7.693	-.00980	-.03060	-.02930	-.02300	-.02080	.00630	.04610
.251	8.804	-.08850	-.02040	-.05860	-.03450	.06810	.02410	.01150
.250	9.855	-.04910	-.03060	-.12700	-.03450	.01850	.09250	.02300
.251	10.963	-.02950	-.06120	-.08790	-.05750	-.03170	.03040	.02300
.251	11.992	.00000	-.03060	-.03910	-.04600	-.03060	-.00690	.01150
.251	13.139	-.02950	.00000	-.03910	-.04600	.02950	-.00690	.02300
.251	15.152	.00000	-.03060	-.05860	-.06900	-.03060	-.01040	.03460
.249	17.287	-.04910	-.04080	-.01950	-.05750	.00830	-.03800	.05760
.251	18.433	-.00980	.00000	-.04890	-.04600	.00980	.00290	.02300
	GRADIENT	-.00244	.00930	.01792	.00000	.01174	-.01792	-.00535

ARC 218-1-12 OA101 (OV102) (D2Q002) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 184/ 0 RN/L = 7.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-8.036	-.00980	.02000	-.25400	.00850	.02980	.26250	.05760
.251	-5.355	.01070	-.03060	.22270	.00850	-.04130	-.21420	.13820
.250	-.092	-.02950	-.04080	-.05860	.00000	-.01130	.05860	.09220
.250	2.130	-.04910	.00000	-.12700	.00000	.04910	.12700	.10370
.250	2.865	-.02950	.01000	-.23450	.00850	.03950	.24300	.09220
.251	3.958	.00000	.01000	-.17590	.00000	.01000	.17590	.04610
.250	4.416	.00000	-.01020	.11670	.00000	-.01020	-.11670	.14980
.250	5.087	-.00980	-.05100	.25450	.00850	-.04120	-.24600	.11520
.250	5.689	-.01970	-.01020	-.15630	.00850	.00950	.16480	.10370
.251	6.583	-.04910	-.03060	.15910	.00000	.01850	-.15910	.06910
.250	7.737	-.07860	-.03060	-.14660	.00000	.04800	.14660	.06910
.251	8.916	-.08850	-.03060	.12730	.00090	.05790	-.12730	.09220
.251	10.007	.00000	-.03060	.39240	.00000	-.03060	-.39240	.08060
.252	10.781	-.01970	-.02040	-.01950	.00000	-.00070	.01950	.08060
.251	11.111	-.01970	-.02040	.24390	.00000	-.00070	-.24390	.05760
.251	12.097	-.04910	-.04080	.11670	.00000	.00830	-.11670	.10370
.251	13.302	.00000	-.03060	-.19540	.00000	-.03060	.19540	.05760
.250	15.376	.00000	-.04080	-.10750	.00000	-.04080	.10750	.14980
.250	17.601	.00000	-.06120	-.19540	.00000	-.06120	.19540	.18430
.250	18.700	-.00980	-.04080	.02120	.00000	-.03100	-.02120	.04610
	GRADIENT	.00795	.00863	.01224	.00014	.00068	-.01210	.00279

ARC 218-1-12 OA101 (OV102) (D2Q003) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 191/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.081	-.01970	-.03060	.11670	-.01150	-.01100	-.12820	.06910
.251	-4.127	-.03930	-.04080	-.06840	-.05750	-.00150	.01090	.12670
.252	-2.096	-.00980	-.01020	-.08790	-.03450	-.00040	.05340	.05760
.251	-.014	-.00980	-.07140	.05300	-.02300	-.06160	-.07600	.05760
.251	1.956	-.04910	-.03060	.11670	-.03450	.01850	-.15120	.06910
.252	4.032	-.00980	-.03060	.41360	-.03450	-.02080	-.44810	.11520
.251	6.003	.01070	.00000	.32880	-.03450	-.01070	-.36330	.03460
.251	7.224	-.04910	-.07140	.06360	-.01150	-.02230	-.07510	.08060
	GRADIENT	.00100	-.00004	.05743	.00227	-.00104	-.05516	-.00057

ARC 218-1-12 OA101 (OV102) (D2Q004) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 192/ 0 RN/L = 7.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.198	-.00980	-.03060	.29700	-.02300	-.02080	-.32000	.11520
.252	-4.151	-.03930	.00000	.21210	-.02300	.03930	-.23510	.25340
.251	-2.041	-.08850	-.08160	.09550	-.01150	.00680	-.10700	.13820
.252	-1.063	-.04910	-.04080	.09550	-.03450	.00830	-.13000	.26490
.252	.010	-.03930	-.05100	.25450	-.04600	-.01170	-.30050	-.04810
.252	.559	-.04910	-.06120	-.01950	-.03450	-.01210	-.01500	.04610
.252	1.063	-.04910	-.05100	.12730	-.02300	-.00190	-.15030	.17280
.251	2.105	-.00980	-.05100	-.28340	-.01150	-.04120	.27190	.18430
.252	3.078	.00000	-.05100	.40300	-.02300	-.05100	-.42600	.02300
.252	4.067	-.03930	-.13270	.26510	-.01150	-.09330	-.27660	.04610
.251	6.074	-.03930	.00000	.33940	-.03450	.03930	-.37390	.21890
.251	8.030	-.06880	-.08160	.13790	-.02300	-.01280	-.16090	-.02400
.251	10.038	-.00980	-.05100	.44550	-.03450	-.04120	-.48000	.03460
	GRADIENT	.00532	-.00894	.00394	.00109	-.01425	-.00286	-.02259

ARC 218-1-12 OA101 (OV102) (D2Q005) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 173/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-6.204	-.07860	.00000	-.06840	-.04600	.07860	.02240	.02300
.253	-4.159	-.00980	-.02040	-.10750	-.03450	-.01060	.07300	.03460
.251	-2.128	-.00980	.00000	-.05860	-.02300	.00980	.03560	.14980
.251	.027	-.02950	.00000	-.06840	-.01150	.02950	.05690	-.03610
.251	2.109	-.02950	.00000	-.06840	-.02300	.02950	.04540	.04610
.251	4.141	-.02950	-.01020	-.03910	-.01150	.01930	.02760	.01150
.251	6.245	-.01970	-.01020	-.06840	-.04600	.00950	.02240	.01150
.251	8.106	-.02950	-.02040	-.11730	-.01150	.00910	.10580	-.06010
.251	10.093	-.00980	.00000	-.00980	-.02300	.00980	-.01320	.03460
.251	12.036	-.02950	-.01020	-.07820	-.03450	.01930	.04370	.04610
	GRADIENT	-.00285	.00098	.00606	.00221	.00383	-.00385	-.00733

ARC 218-1-12 OA101 (OV102) (D2Q006) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 185/ 0 RN/L = 7.73 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.128	-.01970	.00000	-.00980	.00000	.01970	.00980	.06910
.252	-4.098	.00000	-.01020	.20150	.00000	-.01020	-.20150	.11520
.251	-2.122	.00000	.01000	.38180	-.01150	.01000	-.39330	.08060
.251	.029	-.01970	.00000	-.01950	.00000	.01970	.01950	.14980
.251	2.101	.00000	.00000	-.01950	.00000	.00000	.01950	.06910
.251	4.110	-.03930	-.01020	.16970	.00000	.02910	-.16970	.08060
.251	6.168	.00000	-.04080	.53030	-.01150	-.04080	-.54180	.04610
.251	8.131	-.03930	.00000	-.03910	-.01150	.03930	.02760	-.01200
.251	10.043	.01070	.00000	.36060	.00000	-.01070	-.36060	.13820
	GRADIENT	-.00380	-.00050	-.02307	.00057	.00330	.02364	-.00386

ARC 218-1-12 OA101 (OV102) (D2Q007) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 193/ 0 RN/L = 7.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.055	-.04910	-.02040	.16970	-.02300	.02870	-.19270	.09220
.251	-4.079	-.02950	-.01020	.30760	-.01150	.01930	-.31910	.01150
.251	-1.970	.01070	-.01020	.22270	.00000	-.02090	-.22270	.17280
.252	-1.104	-.04910	-.02040	.02120	-.01150	.02870	-.03270	-.03610
.251	.009	-.04910	-.01020	.06360	-.01150	.03890	-.07510	.01150
.251	.537	-.02950	-.02040	.22270	-.04600	.00910	-.26870	.14980
.251	1.040	-.02950	-.08160	.20150	-.03450	-.05210	-.23600	.13820
.251	2.121	-.00980	-.06120	.49850	-.05750	-.05140	-.55600	.16130
.251	3.133	-.01970	-.06120	.24390	-.04600	-.04160	-.28990	.00000
.251	4.132	-.03930	-.09180	.10610	-.03450	-.05250	-.14060	.12670
.251	6.078	-.00980	-.03060	.47730	-.03450	-.02080	-.51180	.18430
.251	8.089	-.04910	.03000	-.02930	-.02300	.07920	.00630	.08060
.251	10.101	-.02950	-.01020	.28640	-.04600	.01930	-.33240	.04610
	GRADIENT	-.00065	-.01053	.00136	-.00572	-.00988	-.00708	.00814

ARC 218-1-12 OA101 (OV102) (D2Q008) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 194/ 0 RN/L = 7.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.249	-5.756	-.08850	-.05100	.16970	-.03450	.03740	-.20420	.11520
.250	-3.830	.00000	-.08160	.19090	-.01150	-.08160	-.20240	.05760
.250	-2.007	-.02950	-.02040	-.00980	.00000	.00910	.00980	.04610
.250	-.001	-.06880	-.05100	-.10750	-.01150	.01780	.09600	.05760
.249	2.054	-.00980	-.05100	.19090	-.02300	-.04120	-.21390	.04610
.249	4.043	-.01970	-.05100	-.05860	-.03450	-.03140	.02410	.06910
.250	6.024	-.00980	-.01020	.26510	-.03450	-.00040	-.29960	.05760
.250	6.857	-.01970	-.06120	.24390	-.02300	-.04160	-.26690	.04610
	GRADIENT	-.00086	.00142	-.01445	-.00353	.00228	.01092	.00119

ARC 218-1-12 OA101 (OV102) (D2Q009) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 8.000

RUN NO. 188/ 0 RN/L = 7.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-7.710	.00000	.05000	.08480	.00000	.05000	-.08480	.11520
.251	-5.636	-.00980	.00000	.23330	-.02300	.00980	-.25630	.05760
.251	-.028	-.00980	-.03060	.31820	-.01150	-.02080	-.32970	-.01200
.251	2.664	.00000	-.05100	-.10750	-.02300	-.05100	.08450	.10370
.251	5.536	-.07860	-.03060	.00000	-.02300	.04800	-.02300	.05760
.251	7.172	-.04910	-.03060	-.01950	-.01150	.01850	.00800	.16130
.252	8.852	.00000	-.04080	.29700	.00000	-.04080	-.29700	.21890
.251	11.020	-.00980	-.04080	.05300	-.02300	-.03100	-.07600	-.04810
.251	13.229	-.03930	-.05100	.13790	-.02300	-.01170	-.16090	.08060
.250	16.453	-.08850	-.05100	-.10750	-.01150	.03740	.09600	.08060
.249	18.537	-.05900	-.01020	.03180	-.05750	.04880	-.08930	.36860
	GRADIENT	.00364	-.00758	-.15815	-.00427	-.01122	.15388	.04298

ARC 218-1-12 OA101 (OV102) (D2Q010) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 189/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-7.827	5.12000	4.97130	5.00980	5.01800	-.14870	.00820	.11520
.252	-5.298	5.11000	4.94800	5.37750	4.98890	-.16200	-.38860	.18430
.251	.011	5.03000	4.90120	4.81420	4.99860	-.12880	.18440	.04610
.251	2.843	5.07000	4.85450	5.04950	4.99860	-.21550	-.05090	.09220
.251	5.770	5.11000	4.95960	5.37750	4.99860	-.15040	-.37890	.17280
.252	7.294	5.11000	4.93630	5.31790	4.98890	-.17370	-.32900	.08060
.251	9.030	5.05000	4.88960	4.76530	4.96950	-.16040	.20420	.18430
.252	11.293	5.08000	4.94800	5.25830	4.98890	-.13200	-.26940	.06910
.251	13.415	5.08000	4.97130	4.88260	4.97920	-.10870	.09660	.14980
.250	16.531	5.09000	4.88960	5.20860	4.96950	-.20040	-.23910	.39170
.249	18.789	5.03000	4.87790	4.94120	4.98890	-.15210	.04770	.06910
	GRADIENT	.01413	-.01649	.08310	.00000	-.03062	-.08310	.01628

ARC 218-1-12 OA101 (OV102) (D2Q011) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 190/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-7.976	-4.81000	-5.04000	-5.17990	-5.00450	-.23000	.17540	.14980
.251	-5.507	-4.82900	-5.07000	-5.06880	-5.00450	-.24100	.06430	-.07210
.251	-.199	-4.85750	-5.08000	-5.00820	-5.02350	-.22250	-.01530	.09220
.251	2.638	-4.81000	-5.05000	-4.64020	-5.03300	-.24000	-.39280	-.09620
.250	4.853	-4.82900	-5.04000	-5.11930	-5.04280	-.21100	.07650	.17280
.251	5.642	-4.80050	-5.01000	-5.26070	-5.01400	-.20950	.24670	.17280
.251	7.135	-4.80050	-5.02000	-5.45260	-5.00450	-.21950	.44810	.01150
.251	8.787	-4.86700	-5.04000	-5.24050	-5.02350	-.17300	.21700	.08060
.251	10.860	-4.88730	-5.07000	-4.84790	-5.02350	-.18270	-.17560	.10370
.251	13.106	-4.85750	-5.06000	-5.12940	-5.05270	-.20250	.07670	.05760
.250	16.238	-4.86700	-5.08000	-4.99810	-5.03300	-.21300	-.03490	.17280
.250	18.469	-4.86700	-5.09000	-4.93750	-5.03300	-.22300	-.09550	.08060
	GRADIENT	.00615	.00804	-.01504	-.00380	.00189	.01124	.01218

ARC 218-1-12 OA101 (OV102) (D2Q012) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 199/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-35.083	-35.16000	-35.09300	-34.96900	-35.11000	.06740	-.14110	.08060
.250	-29.746	-28.75900	-30.11700	-29.99200	-30.11500	-1.35770	-.12280	-.01200
.251	-25.039	-25.01000	-25.06900	-24.99900	-25.08000	-.05900	-.08070	.11520
.251	-20.088	-20.22600	-20.06200	-19.99500	-20.06800	.16370	-.07340	.08060
.251	-15.022	-14.99000	-15.05300	-14.99900	-15.04400	-.06270	-.04460	.12670
.250	-10.052	-9.98130	-9.99710	-9.99040	-10.24000	-.01580	-.24940	.10370
.251	-4.950	-4.82900	-5.00000	-4.95770	-5.01400	-.17100	-.05630	.08060
.250	.003	.00000	.00000	.01060	.00000	.00000	-.01060	.11520
.250	4.990	5.11000	5.01000	4.85330	4.98890	-.10000	.13560	.08060
.250	9.984	9.93200	10.02400	9.96390	10.01400	.09200	.05010	.05760
.250	14.990	14.88000	15.03300	15.01200	15.03500	.15380	.02250	.09220
.250	20.180	20.67000	20.01900	19.95800	20.07200	-.65100	.11370	.13820
	GRADIENT	.99986	1.00697	.98693	1.00625	.00711	.01932	-.00001

ARC 218-1-12 OA101 (OV102) (D2Q013) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 200/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-35.093	-35.16000	-35.10200	-34.99900	-35.11000	.05780	-.11130	.13820
.250	-30.006	-29.69500	-30.13800	-30.08700	-30.10400	-.44300	-.01670	.11520
.250	-25.052	-25.04800	-25.11800	-24.98300	-25.06000	-.06930	-.07730	.16130
.250	-20.099	-20.22600	-20.04100	-20.04000	-20.08900	.18520	-.04880	.13820
.250	-15.026	-15.00000	-15.02200	-15.04900	-15.03400	-.02190	.01530	-.02400
.250	-9.996	-9.96270	-9.98590	-10.00900	-10.02600	-.02320	-.01680	.08060
.250	-4.968	-4.81950	-5.00000	-5.04860	-5.00450	-.18050	.04410	.13820
.250	.013	.00000	.01000	.03180	.00850	.01000	-.02330	.08060
.250	5.032	5.13000	5.00100	4.98030	5.01800	-.12900	.03770	.06910
.250	9.971	9.95650	9.99000	9.91520	10.02300	.03350	.10800	.05760
.250	14.979	14.92800	15.01700	14.93500	15.03500	.08890	.09930	.06910
.249	20.193	20.68000	20.04700	19.98900	20.05600	-.63250	.06660	.06910
	GRADIENT	.96764	1.00588	1.02002	1.00649	.03825	-.01353	-.01156

ARC 218-1-12 OA101 (OV102) (D2Q014) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 174/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-35.128	-35.20000	-35.09300	-35.06800	-35.15000	.10740	-.08170	.04610
.250	-29.989	-29.71900	-30.11700	-30.01600	-30.10400	-.39800	-.08830	-.01200
.250	-25.047	-25.03900	-25.07800	-24.99900	-25.07000	-.03980	-.07080	.08060
.250	-20.092	-20.18200	-20.09500	-20.01300	-20.07800	.08730	-.06560	.12670
.250	-15.047	-15.03000	-15.06300	-15.02900	-15.06400	-.03300	-.03510	.12670
.250	-10.008	-9.98130	-9.99710	-10.02900	-10.02600	-.01580	.00270	.04610
.250	-4.998	-4.82900	-5.02000	-5.12940	-5.01400	-.19100	.11540	.13820
.250	-.012	-.02950	.00000	-.01950	.00000	.02950	.01950	.02300
.251	5.000	5.07000	5.01900	4.93140	4.97920	-.05100	.04780	-.03610
.250	9.981	9.90750	10.02400	9.98020	10.01400	.11650	.03380	.00000
.250	14.967	14.88900	15.01700	14.92600	15.03500	.12750	.10890	.03460
.249	20.154	20.64000	19.99000	19.94800	20.03900	-.64950	.09130	.06910
	GRADIENT	.99012	1.00410	1.00626	.99951	.01398	-.00675	-.01743

ARC 218-1-12 OA101 (OV102) (D20015) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 186/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-35.231	-35.12000	-35.16000	-35.52600	-35.12000	-.03980	.40550	.21890
.251	-30.286	-29.70700	-30.16900	-31.16500	-30.10400	-.46250	1.06090	.18430
.251	-25.153	-25.04800	-25.15700	-25.30700	-25.10000	-.10850	.20670	.09220
.251	-20.057	-20.19300	-20.13800	-19.83100	-20.06800	.05520	-.23740	.11520
.251	-15.076	-14.98000	-15.07300	-15.20800	-15.04400	-.09330	.16420	.02300
.251	-10.100	-9.96270	-10.02000	-10.39000	-10.02600	-.05690	.36420	.12670
.251	-5.021	-4.83850	-5.01000	-5.24050	-4.99500	-.17150	.24550	.17280
.251	-.015	.00000	-.03060	-.01950	-.01150	-.03060	.00800	.01150
.251	4.958	5.08000	4.90120	4.85330	4.99860	-.17880	.14530	.08060
.251	9.926	9.90750	9.97300	9.80070	10.02300	.06550	.22240	.08060
.251	14.909	14.95700	14.99200	14.63400	15.05400	.03490	.41990	.00000
.250	20.116	20.66000	20.03800	19.71200	20.05600	-.62200	.34380	.12670
	GRADIENT	1.02137	.99158	.97971	1.00732	-.02980	.02761	.01389

ARC 218-1-12 OA101 (OV102) (D2Q016) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	.000	3DFLAP =	.000
SPOBRK =	25.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 201/ 0 RN/L = 7.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.249	-35.120	-35.18000	-35.11200	-35.04800	-35.14000	.06820	-.09160	.10370
.250	-29.983	-29.73100	-30.09600	-29.98000	-30.12500	-.36500	-.14540	.10370
.250	-25.051	-25.03900	-25.05900	-25.02800	-25.08000	-.02020	-.05200	.06910
.251	-20.087	-20.21500	-20.06200	-20.00400	-20.06800	.15270	-.06430	.04610
.251	-15.044	-15.00000	-15.05300	-15.07900	-15.04400	-.05270	.03500	.06910
.252	-10.001	-9.98130	-9.99710	-9.99970	-10.02600	-.01580	-.02660	.03460
.252	-4.976	-4.81950	-4.99010	-5.07890	-5.01400	-.17060	.06490	.06910
.251	-.012	.00000	.00000	-.04890	.00000	.00000	.04890	.06910
.251	5.018	5.14000	4.97130	4.95100	5.00830	-.16870	.05730	.01150
.251	9.971	9.93200	9.99000	9.94770	10.01400	.05800	.06630	.04610
.250	14.993	14.91800	15.02500	14.98300	15.04400	.10690	.06090	.05760
.250	20.171	20.65000	20.01900	19.95800	20.05600	-.63100	.09740	-.01200
	GRADIENT	.97101	1.00538	1.01342	1.01019	.03437	-.00322	.00000

ARC 218-1-12 OA101 (OV102) (D2Q017) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 202/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-35.130	-35.18000	-35.13100	-35.08800	-35.12000	.04900	-.03180	.05760
.250	-29.983	-29.68300	-30.11700	-30.02800	-30.10400	-.43400	-.07640	.01150
.250	-25.066	-25.02900	-25.09800	-25.06600	-25.07000	-.06900	-.00360	.06910
.250	-20.112	-20.22600	-20.06200	-20.08200	-20.07800	.16370	.00350	.10370
.250	-15.032	-15.02000	-15.04200	-14.99900	-15.06400	-.02250	-.06490	.08060
.250	-10.014	-9.99070	-10.02000	-10.00900	-10.03600	-.02890	-.02700	.05760
.250	-4.961	-4.78150	-4.99010	-5.03850	-5.03300	-.20860	.00550	.09220
.249	.000	.00000	.02000	-.01950	.00000	.02000	.01950	.02300
.249	5.015	5.09000	5.01900	4.95100	4.99860	-.07100	.04760	.09220
.248	9.983	9.93200	10.01500	9.97200	10.01400	.08350	.04200	.02300
.248	14.973	14.88900	15.02500	14.94500	15.03500	.13580	.08970	.10370
.247	20.183	20.65000	20.03800	19.98900	20.05600	-.61200	.06660	.02300
	GRADIENT	.96384	1.00992	1.01171	1.01453	.04608	.00282	-.01395

ARC 218-1-12 OA101 (OV102) (02Q018) (01 FEB 78)

PEFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 176/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-6.131	-9.81340	-9.99710	-10.04800	-10.01600	-.18370	.03240	.05760
.251	-4.200	-9.81340	-9.99710	-10.06800	-10.01600	-.18370	.05200	.05760
.251	-2.144	-9.81340	-9.99710	-10.09700	-10.01600	-.18370	.08130	.08060
.252	-1.137	-9.82270	-10.00800	-9.98110	-10.02600	-.18560	-.04510	.04610
.251	-.315	-9.84140	-10.00800	-10.05800	-10.02600	-.16690	.03200	.04610
.251	.356	-9.79470	-10.02000	-10.05800	-10.01600	-.22480	.04220	.04610
.251	.691	-9.79470	-9.99710	-10.02900	-10.02600	-.20240	.00270	.05760
.251	1.145	-9.82270	-10.03100	-10.03900	-10.02600	-.20800	.01250	.03460
.251	2.129	-9.82270	-10.02000	-10.00900	-10.02600	-.19680	-.01680	.05760
.252	3.157	-9.80410	-10.00800	-9.96260	-10.01600	-.20430	-.05350	.01150
.251	4.160	-9.79470	-10.00800	-10.04800	-10.02600	-.21360	.02220	.09220
.251	6.166	-9.80410	-10.02000	-10.05800	-10.01600	-.21550	.04220	.08060
.251	7.950	-9.79470	-10.02000	-9.99970	-10.00600	-.22480	-.00630	.06910
.251	10.084	-9.79470	-9.99710	-10.01900	-10.00600	-.20240	.01330	.05760
	GRADIENT	.00201	-.00201	.00785	-.00078	-.00402	-.00863	-.00084

ARC 218-1-12 OA101 (OV102) (D2Q019) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 177/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.110	-4.81950	-4.98020	-4.98800	-5.02350	-.16070	-.03550	.05760
.251	-4.193	-4.81950	-5.01000	-5.09910	-5.02350	-.19050	.07560	.05760
.251	-2.130	-4.82900	-4.98020	-5.10920	-5.03300	-.15120	.07620	.09220
.251	-1.114	-4.81950	-5.02000	-5.12940	-5.02350	-.20050	.10590	.11520
.251	-.299	-4.81000	-5.02000	-5.06880	-5.03300	-.21000	.03580	.09220
.251	.346	-4.83850	-4.99010	-5.07890	-5.03300	-.15160	.04590	.06910
.251	.679	-4.80050	-5.01000	-5.07890	-5.03300	-.20950	.04590	.08060
.251	1.152	-4.81000	-4.99010	-5.11930	-5.04280	-.18010	.07650	.06910
.251	2.108	-4.81000	-5.01000	-5.04860	-5.04280	-.20000	.00580	-.01200
.251	3.168	-4.81950	-4.99010	-5.12940	-5.04280	-.17060	.08660	.04610
.251	4.155	-4.80050	-5.00000	-5.13950	-5.04280	-.19950	.09660	.04610
.251	6.163	-4.81950	-5.00000	-5.08900	-5.04280	-.18050	.04620	.08060
.251	8.155	-4.84800	-4.99010	-5.02840	-5.04280	-.14210	-.01440	.04610
.251	10.097	-4.81000	-5.00000	-4.98800	-5.04280	-.19000	-.05480	.03460
	GRADIENT	.00214	.00098	-.00198	-.00263	-.00116	-.00066	-.00679

ARC 218-1-12 OA101 (OV102) (D2Q020) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 178/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.118	5.06000	5.03690	4.96070	4.99860	-.02310	.03790	-.01200
.251	-4.203	5.05000	5.02800	4.99980	5.01800	-.02200	.01820	-.08410
.251	-2.127	5.05000	5.01900	4.90210	4.99860	-.03100	.09650	.06910
.250	-1.123	5.05000	5.03690	5.01970	5.01800	-.01310	-.00170	.02300
.250	-.277	5.07000	5.01900	4.95100	5.01800	-.05100	.06700	.04610
.250	.334	5.08000	5.01900	4.88260	4.99860	-.06100	.11600	.04610
.250	.679	5.09000	5.01900	5.00980	5.01800	-.07100	.00820	.11520
.250	1.132	5.07000	5.01900	4.94120	5.00830	-.05100	.06710	.09220
.251	2.136	5.09000	5.01900	4.93140	5.00830	-.07100	.07690	.02300
.251	3.166	5.09000	4.99200	4.94120	5.01800	-.09800	.07680	.10370
.251	4.159	5.08000	5.01000	4.92170	5.01800	-.07000	.09630	-.08410
.251	6.166	5.06000	5.01900	4.96070	5.00830	-.04100	.04760	.04610
.251	8.118	5.09000	5.00100	4.95100	4.99860	-.08900	.04760	.05760
	GRADIENT	.00548	-.00318	-.00652	.00046	-.00866	.00697	.00462

ARC 218-1-12 OA101 (OV102) (D2Q021) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 179/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-6.115	9.92380	10.01500	9.94770	10.02300	.09170	.07550	.00000
.250	-4.196	9.92380	10.03200	9.92330	10.00500	.10870	.08150	.01150
.251	-2.118	9.92380	10.00700	9.88270	10.00500	.08310	.12220	-.01200
.250	-1.114	9.92380	10.01500	9.85540	10.00500	.09170	.14950	.09220
.250	-.298	9.90750	10.02400	9.98830	10.00500	.11650	.01650	-.02400
.250	.667	9.90750	10.02400	9.93960	10.00500	.11650	.06530	.05760
.251	1.144	9.93200	10.02400	9.91520	10.00500	.09200	.08960	.04610
.250	2.132	9.90750	10.02400	9.93960	10.01400	.11550	.07440	.00000
.250	3.156	9.91570	10.01500	9.90710	10.00500	.09980	.09780	.02300
.250	4.157	9.91570	10.00700	9.98020	10.01400	.09130	.03380	.05760
.251	6.166	9.90750	10.01500	9.95580	10.00500	.10800	.04900	-.04810
.251	8.130	9.91570	10.02400	9.93140	10.00500	.10830	.07340	.06910
.250	10.095	9.92380	10.01500	9.94770	10.00500	.09170	.05710	.09220
	GRADIENT	-.00123	-.00125	.00640	.00089	-.00004	-.00549	.00335

ARC 218-1-12 OA101 (OV102) (D2Q022) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 183/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.044	-9.98130	-10.03100	-9.83270	-9.99570	-.04940	-.16300	.08060
.251	-4.163	-10.00000	-10.02000	-9.66580	-10.00600	-.01960	-.34010	.09220
.251	-1.983	-9.97200	-10.04200	-9.76780	-10.00600	-.07000	-.23810	.09220
.252	-1.106	-10.02000	-10.05300	-10.04800	-10.00600	-.03350	.04260	.10370
.252	.011	-9.99070	-10.06400	-9.82350	-10.00600	-.07380	-.18250	.04610
.251	.534	-10.02900	-10.07600	-9.95330	-10.01600	-.04620	-.06280	.09220
.251	1.040	-10.02000	-10.08700	-10.05800	-10.01600	-.06720	.04220	.09220
.251	2.094	-10.02000	-10.06400	-10.05800	-10.01600	-.04480	.04220	.09220
.252	3.137	-10.01000	-10.05300	-9.63800	-10.01600	-.04340	-.37810	.11520
.251	4.113	-9.98130	-10.04200	-9.62870	-10.01600	-.06060	-.38740	.10370
.251	6.137	-10.01000	-10.03100	-10.08800	-10.01600	-.02090	.07150	.11520
.251	8.053	-9.98130	-10.06400	-9.74930	-10.00600	-.08310	-.25670	.10370
.251	10.153	-10.01000	-10.03100	-10.10700	-10.01600	-.02090	.09100	.10370
	GRADIENT	-.00090	-.00327	.00288	-.00166	-.00242	-.00457	.00199

ARC 218-1-12 OA101 (OV102) (D2Q023) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 182/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.169	-4.81950	-4.96040	-5.38190	-4.97600	-.14090	.40590	.14980
.252	-4.126	-4.78150	-5.00000	-5.07890	-4.96650	-.21850	.11240	.04610
.252	-1.998	-4.77200	-5.02000	-4.74410	-4.97600	-.24800	-.23190	.11520
.251	-1.123	-4.79100	-4.96040	-5.42230	-4.97600	-.16940	.44630	.04610
.251	.010	-4.78150	-5.00000	-4.85740	-4.99500	-.21850	-.13760	.12670
.251	.514	-4.81000	-4.98020	-5.12940	-5.00450	-.17020	.12490	.05760
.250	1.040	-4.81000	-5.01000	-5.25060	-5.01400	-.20000	.23660	.11520
.251	2.082	-4.78150	-5.03000	-4.88700	-5.00450	-.24850	-.11750	.09220
.250	3.108	-4.81000	-5.03000	-5.09910	-5.01400	-.22000	.08510	.08060
.251	4.109	-4.82900	-5.02000	-4.95770	-5.00450	-.19100	-.04680	.11520
.251	6.046	-4.78150	-5.04000	-4.84790	-4.99500	-.25850	-.14710	.04610
.251	8.173	-4.78150	-4.98020	-4.66850	-5.00450	-.19870	-.33600	.04610
.250	10.275	-4.82900	-5.00000	-5.09910	-5.00450	-.17100	.09460	.08060
	GRADIENT	-.00533	-.00419	.00444	-.00602	.00114	-.01046	.00518

ARC 218-1-12 OA101 (OV102) (D2Q024) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 181/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-6.108	5.08000	5.01900	5.03960	5.00830	-.06100	-.03130	.08060
.250	-4.125	5.08000	5.02800	4.88260	5.01800	-.05200	.13540	.02300
.251	-1.986	5.08000	5.03690	4.88260	5.01800	-.04310	.13540	.05760
.251	-1.056	5.08000	5.04590	4.92170	4.99860	-.03410	.07690	-.02400
.251	.054	5.09000	5.01900	4.90210	5.01800	-.07100	.11590	.05760
.251	.525	5.09000	5.00100	4.95100	5.00830	-.08900	.05730	.08060
.251	1.021	5.09000	5.01900	4.90210	4.99860	-.07100	.09650	.06910
.251	2.142	5.06000	5.00100	4.99000	5.01800	-.05900	.02790	.05760
.251	3.158	5.09000	5.00100	4.97050	4.98890	-.08900	.01840	.01150
.251	4.162	5.09000	5.01900	4.95100	5.00830	-.07100	.05730	.04610
.251	6.117	5.08000	5.01900	4.97050	4.99860	-.06100	.02810	.02300
.251	8.120	5.10000	5.01000	5.01970	5.01800	-.09000	-.00170	.05760
.251	10.099	5.09000	5.01000	4.88260	4.99860	-.08000	.11600	.04610
	GRADIENT	.00062	-.00384	.01176	-.00185	-.00446	-.01361	.00223

ARC 218-1-12 OA101 (OV102) (D2Q025) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 180/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-6.078	9.92380	10.00700	9.91520	10.02300	.08310	.10800	.05760
.250	-4.095	9.91570	9.98150	9.90710	10.01400	.06580	.10690	.12670
.250	-2.007	9.93200	10.00700	9.93960	10.01400	.07500	.07440	.02300
.250	-1.073	9.89120	10.01500	9.96390	10.00500	.12430	.04090	.01150
.250	.053	9.89120	9.99850	9.93960	10.01400	.10730	.07440	.05760
.250	.565	9.91570	10.02400	9.88270	10.00500	.10830	.12220	.01150
.250	1.083	9.89930	9.99000	9.91520	10.00500	.09070	.08960	.02300
.251	2.139	9.89930	10.00700	9.91520	10.00500	.10770	.08960	.10370
.251	3.155	9.90750	10.03200	9.93960	10.00500	.12500	.06530	.03460
.251	4.189	9.90750	9.99000	9.93140	9.99560	.08250	.06420	.02300
.251	6.110	9.92380	10.03200	9.98930	10.02300	.10870	.03490	.11520
.250	8.122	9.91570	10.01500	9.97100	10.00500	.09980	.03280	.00000
.250	10.086	9.92380	10.02400	9.93960	10.01400	.10020	.07440	.05760
	GRADIENT	-.00157	.00190	.00030	-.00189	.00348	-.00220	-.00559

ARC 218-1-12 OA101 (OV102) (D2Q026) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 196/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-35.117	-35.19000	-35.16000	-35.00900	-35.11000	.03020	-.10130	.09220
.252	-29.987	-29.69500	-30.14800	-29.99200	-30.11500	-.45350	-.12280	.01150
.253	-25.209	-25.04800	-25.11800	-24.99100	-25.68000	-.06930	-.68900	-.01200
.252	-20.107	-20.20400	-20.10500	-20.04900	-20.06800	.09850	-.01870	.12670
.252	-15.044	-14.98000	-15.10400	-15.04900	-15.04400	-.12410	.00510	.11520
.252	-10.023	-9.98130	-10.06400	-10.01900	-10.02600	-.08310	-.00710	.17280
.252	-4.998	-4.81000	-5.04000	-5.12940	-5.01400	-.23000	.11540	.08060
.252	.004	.01070	.00000	-.01950	.02550	-.01070	.04500	.08060
.252	5.004	5.11000	4.93630	4.97050	4.99860	-.17370	.02810	.08060
.252	9.984	9.94020	10.00700	9.96390	10.02300	.06680	.05920	.08060
.252	14.975	14.93700	14.97500	14.95500	15.03500	.03760	.08010	.09220
.251	20.174	20.65000	20.00900	19.99900	20.03900	-.64050	.03990	.08060
	GRADIENT	.96366	1.00750	1.02147	1.00740	.04384	-.01407	-.00000

ARC 218-1-12 OA101 (OV102) (D2Q027) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 197/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-35.112	-35.14000	-35.14100	-35.02900	-35.14000	-.00060	-.11150	.13820
.252	-29.992	-29.70700	-30.11700	-30.02800	-30.11500	-.41000	-.08700	.11520
.253	-25.059	-25.04800	-25.05900	-25.04700	-25.08000	-.01050	-.03280	.04610
.253	-20.085	-20.20400	-20.07300	-19.99500	-20.06800	.13090	-.07340	.10370
.252	-15.047	-15.04000	-15.07300	-15.00900	-15.06400	-.03330	-.05500	.06910
.252	-10.022	-10.02000	-10.04200	-10.00900	-10.01600	-.02230	-.00670	.03460
.253	-4.956	-4.82900	-5.00000	-4.99810	-4.99500	-.17100	.00310	.06910
.253	-.006	-.00980	.01000	-.03910	.01700	.01980	.05610	.02300
.252	5.001	5.11000	4.99200	4.90210	4.99860	-.11800	.09650	.08060
.252	9.969	9.93200	9.99000	9.93140	10.02300	.05800	.09170	.03460
.252	14.973	14.87000	15.02500	14.95500	15.04400	.15520	.08970	.02300
.251	20.186	20.65000	20.03800	19.99900	20.05600	-.61200	.05630	.14980
	GRADIENT	.97358	1.01212	1.00182	1.01253	.03855	.01071	-.00931

ARC 218-1-12 OA101 (OV102) (D2Q028) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 198/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-35.137	-35.20000	-35.13100	-35.06800	-35.15000	.06900	-.08170	.14980
.252	-29.987	-29.73100	-30.09600	-30.01600	-30.10400	-.36500	-.08830	.14980
.252	-25.057	-25.02900	-25.11800	-24.99100	-25.09000	-.08860	-.09900	.14980
.252	-20.107	-20.22600	-20.09500	-20.06000	-20.04700	.13130	.01310	.09220
.252	-15.039	-15.01000	-15.07300	-14.99900	-15.07500	-.06330	-.07510	.11520
.253	-10.021	-10.02900	-9.99710	-10.01900	-10.03600	.03240	-.01720	.11520
.253	-4.983	-4.81000	-5.02000	-5.06880	-5.03300	-.21000	.03580	.09220
.252	-.005	.01070	.00000	-.02930	.00000	-.01070	.02930	.09220
.252	4.993	5.06000	4.97130	4.93140	5.00830	-.08870	.07690	.11520
.252	9.977	9.94840	9.99000	9.94770	10.02300	.04160	.07550	.06910
.251	14.973	14.88900	15.03300	14.92600	15.04400	.14420	.11850	.11520
.251	20.163	20.63000	20.02800	19.94800	20.04700	-.60150	.09950	.06910
	GRADIENT	.98942	1.00156	1.00245	1.00657	.01214	.00412	.00231

ARC 218-1-12 OA101 (OV102) (D2Q029) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 204/ 0 RN/L = 7.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-10.065	-20.22600	-20.09500	-.05860	.00000	.13130	.05860	.05760
.250	-7.563	-17.74400	-17.56600	-2.55240	-2.50700	.17770	.04540	.11520
.250	-5.010	-15.05000	-15.03200	-5.01830	-5.02350	.01780	-.00520	.08060
.249	-4.007	-14.03000	-14.06300	-6.05630	-6.00720	-.03260	.04920	.03460
.249	-2.997	-12.96900	-13.02400	-7.00320	-7.00250	-.05550	.00070	.08060
.248	-1.993	-11.95700	-12.03500	-7.99570	-8.02400	-.07770	-.02830	.04610
.248	-.994	-11.02200	-11.08000	-9.11860	-9.00570	-.05770	.11290	.06910
.248	.011	-10.00000	-10.02000	-10.03900	-10.02600	-.01960	.01250	.09220
.249	.977	-9.06700	-9.05360	-10.98700	-11.04300	.01340	-.05670	.06910
.249	1.997	-8.07700	-8.00250	-12.03600	-12.03200	.07450	.00430	.08060
.249	3.024	-6.96030	-6.99650	-13.02600	-13.02500	-.03620	.00110	.09220
.249	4.050	-5.84240	-6.02050	-14.02500	-14.03900	-.17820	-.01400	.08060
.249	5.051	-4.82900	-4.99010	-14.98000	-15.04400	-.16110	-.06440	.04010
	GRADIENT	1.00419	1.00161	-.99412	-1.00000	-.00260	-.00588	.00478

ARC 218-1-12 OA101 (OV102) (D2Q030) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 203/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.249	-10.000	-.00980	.00000	19.92700	20.06400	.00980	.13640	.06910
.250	-7.518	2.47000	2.45660	17.41500	17.58200	-.01340	.16670	.09220
.250	-4.989	5.09000	5.01900	15.00300	15.06400	-.07100	.06110	.01150
.250	-3.976	6.10000	6.02010	13.98800	14.03700	-.07990	.04950	.03460
.250	-2.984	7.06000	7.00370	12.94200	13.05800	-.05630	.11560	.11520
.250	-2.021	7.94000	7.99520	11.98200	12.03900	.05520	.05720	.09220
.250	-.986	8.99450	9.02170	10.93900	11.02200	.02720	.08250	.03460
.250	-.004	9.91570	10.00700	9.92330	10.01400	.09130	.09070	.02300
.250	.943	10.77600	11.01100	8.97220	9.04450	.23470	.07240	.03460
.250	1.967	11.79000	12.01700	7.92220	8.01660	.22660	.09440	.03460
.250	2.949	12.80300	12.98000	6.96790	7.01740	.17670	.04950	.05760
.250	3.974	13.84300	14.00500	5.95410	5.99660	.16200	.04260	.02300
.250	4.994	14.88900	15.01700	4.93140	4.99860	.12750	.06720	.06910
	GRADIENT	.97498	1.00424	-1.00983	-1.01101	.02922	-.00119	-.00042

ARC 218-1-12 OA101 (OV102) (D20031) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 227/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-10.004	-10.00000	-10.05300	9.92330	10.04100	-.05320	.11820	.03460
.252	-7.495	-7.52100	-7.51480	7.41520	7.52790	.00620	.11270	.05760
.253	-4.954	-4.84800	-5.00000	4.95100	5.01800	-.15200	.06700	.05760
.252	-3.949	-3.85600	-3.97980	3.96230	4.00000	-.12380	.03780	.04610
.252	-2.933	-2.81450	-2.99000	2.91240	3.01470	-.17550	.10230	.04610
.251	-1.966	-1.92100	-1.99030	1.95170	2.00000	-.06930	.04830	.04610
.252	-.982	-.96330	-1.00000	.95450	1.01000	-.03670	.05550	.02300
.251	.015	.00000	-.01020	-.06840	.00000	-.01020	.06840	.05760
.251	1.023	1.05630	.99000	-1.03490	-1.01200	-.06630	.02290	.05760
.251	2.002	1.98130	1.99600	-2.04250	-1.98670	.01460	.05570	.05760
.251	2.995	2.96000	2.97620	-3.04340	-3.00200	.01620	.04140	.06910
.251	4.024	4.04650	3.99020	-4.05470	-4.00300	-.05630	.05170	.02300
.251	5.039	5.12000	4.98300	-5.03850	-5.01400	-.13700	.02450	.03460
	GRADIENT	.98533	1.00251	-1.00485	-1.00733	.01717	-.00248	-.00015

ARC 218-1-12 OA101 (OV102) (D2Q032) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 228/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-10.008	-10.00000	-10.04200	9.95580	10.03200	-.04200	.07650	.08060
.251	-7.528	-7.56300	-7.53520	7.45500	7.55790	.02780	.10290	-.01200
.251	-4.959	-4.83850	-5.02000	4.95100	5.02770	-.18150	.07670	-.02400
.251	-3.970	-3.88650	-4.00990	3.97240	4.00920	-.12340	.03680	.09220
.251	-2.946	-2.86200	-3.00000	2.93230	2.98870	-.13800	.05640	.08060
.250	-1.973	-1.90160	-2.02000	1.96100	2.01000	-.11840	.04900	.03460
.250	-.005	-.01970	-.01020	-.00980	.00000	.00950	.00980	.02300
.251	1.010	1.05630	.98000	-1.02530	-.97750	-.07630	.04780	.04610
.251	1.985	1.99070	1.97680	-1.99530	-1.97640	-.01390	.01890	.11520
.251	2.991	2.99000	2.98590	-3.01310	-2.97500	-.00410	.02810	.05760
.251	4.029	4.05630	3.96680	-4.11140	-3.98300	-.08950	.12840	-.01200
.251	5.023	5.07000	5.00100	-5.01830	-5.00450	-.06900	.01380	.05760
	GRADIENT	.98806	1.00327	-1.00509	-1.00356	.01521	.00153	.00028

ARC 218-1-12 OA101 (OV102) (D2Q033) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 205/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.249	-10.017	-10.01000	-10.06400	9.97200	10.02300	-.05460	.05110	.01150
.249	-7.513	-7.56300	-7.50470	7.46490	7.51790	.05830	.05300	.00000
.248	-4.950	-4.81000	-5.02000	4.98030	4.98890	-.21000	.00860	.02300
.249	-3.935	-3.85600	-4.00990	3.89150	3.98180	-.15390	.09030	.04610
.248	-2.941	-2.84300	-3.00000	2.93230	2.98870	-.15700	.05640	.00000
.248	-1.959	-1.90160	-1.99030	1.94240	2.00000	-.08860	.05760	.09220
.248	-.977	-.95350	-1.00970	.95450	.99000	-.05620	.03550	.01150
.248	.008	-.02950	.01000	-.03910	-.01150	.03950	.02760	.02300
.248	1.030	1.03500	1.00000	-1.06370	-1.02350	-.03500	.04020	.05760
.248	1.998	1.97200	2.00560	-1.99530	-2.01770	.03350	-.02250	.03460
.248	3.010	3.00000	2.98590	-3.04340	-3.01100	-.01410	.03240	.00000
.249	4.020	4.03670	4.01350	-4.02640	-4.00300	-.02310	.02340	.05760
.248	5.043	5.08000	4.99200	-5.06880	-5.03300	-.08800	.03580	.01150
	GRADIENT	.98439	1.00793	-1.00164	-1.00604	.02355	-.00440	.00043

ARC 218-1-12 OA101 (OV102) (D2Q034) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 229/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-10.009	-10.01000	-10.05300	9.93960	10.03200	-.04340	.09280	.05760
.251	-7.512	-7.53150	-7.52500	7.45500	7.53790	.00650	.08290	.05760
.251	-4.952	-4.83850	-5.02000	4.93140	5.01800	-.18150	.08660	.05760
.251	-3.937	-3.86610	-4.01980	3.85110	4.00920	-.15370	.15810	.02300
.251	-2.934	-2.84300	-3.01010	2.89250	2.98870	-.16710	.09620	.05760
.251	-1.971	-1.91130	-2.02000	1.94240	2.01000	-.10870	.05760	.02300
.251	-.953	-.95350	-1.00000	.86970	.99000	-.04650	.12030	.11520
.251	-.005	-.02950	-.03060	-.02930	-.01150	-.00110	.01780	.02300
.251	1.037	1.03500	1.00000	-1.10220	-1.01200	-.03500	.09020	.06910
.251	1.985	1.97200	1.97680	-2.01410	-1.97640	.00480	.03770	.05760
.251	3.016	2.97000	2.98590	-3.13440	-2.97500	.01590	.15940	.05760
.251	4.025	4.06610	3.97850	-4.07360	-3.98300	-.08770	.09060	.06910
.251	5.034	5.10000	4.97130	-5.05870	-5.00450	-.12870	.05420	.05760
	GRADIENT	.98663	1.00582	-1.00296	-1.00460	.01918	-.00165	.00242

ARC 218-1-12 OA101 (OV102) (D2Q035) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 230/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-10.013	-10.00000	-10.06400	9.95580	10.03200	-.06440	.07650	.06910
.251	-7.523	-7.55250	-7.55550	7.45500	7.52790	-.00300	.07290	.11520
.251	-4.943	-4.81000	-5.05000	4.88260	5.02770	-.24000	.14510	.03460
.251	-3.969	-3.87630	-4.02970	3.95220	4.01830	-.15340	.06610	.11520
.251	-2.939	-2.83350	-2.99000	2.94220	2.98870	-.15650	.04650	.01150
.251	-1.970	-1.94030	-1.98060	1.98880	1.97000	-.04030	-.01880	.03460
.251	-.961	-.94370	-1.00970	.90150	.99000	-.06600	.08850	-.02400
.251	.000	-.02950	.00000	-.02930	.00000	.02950	.02930	.05760
.251	1.028	1.04570	.99000	-1.05410	-1.02350	-.05570	.03060	-.03610
.251	2.011	1.99070	1.97680	-2.09910	-1.97640	-.01390	.12270	.05760
.251	2.993	2.99000	2.96650	-3.02320	-2.99300	-.02350	.03020	.09220
.251	4.015	4.03670	4.00180	-4.02640	-3.99300	-.03480	.03340	.13820
.251	4.993	5.09000	4.87790	-4.99810	-5.00450	-.21210	-.00640	.06910
	GRADIENT	.99195	1.00176	-.99990	-1.00640	.00981	-.00650	.00492

ARC 218-1-12 OA101 (OV102) (D2Q036) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 207/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-7.838	5.08000	4.98300	-5.06880	-5.01400	-.09700	.05480	.05760
.251	-5.899	5.06000	4.98300	-5.06880	-5.03300	-.07700	.03580	.04610
.251	-5.380	5.06000	4.97130	-5.02840	-5.03300	-.08870	-.00460	.04610
.251	-2.525	5.05000	4.99200	-5.06880	-5.01400	-.05800	.05480	.09220
.251	-.552	5.06000	4.98300	-5.09910	-5.02350	-.07700	.07560	.04610
.250	-.129	5.07000	4.94800	-5.02840	-5.02350	-.12200	.00490	-.02400
.251	1.736	5.09000	4.94800	-5.05870	-5.02350	-.14200	.03520	.00000
.251	2.477	5.06000	4.98300	-5.05870	-5.01400	-.07700	.04470	.09220
.250	3.402	5.07000	4.98300	-5.08900	-5.02350	-.08700	.06550	-.01200
.251	4.786	5.07000	4.98300	-5.10920	-5.02350	-.08700	.08570	.03460
.251	7.278	5.07000	4.95960	-5.04860	-5.03300	-.11040	.01560	.03460
.251	8.823	5.05000	4.98300	-5.09910	-5.02350	-.06700	.07560	-.04810
.251	11.099	5.05000	4.98300	-5.12940	-5.03300	-.06700	.09640	.12670
.251	13.268	5.05000	5.00100	-5.06880	-5.03300	-.04900	.03580	.03460
.251	16.625	5.07000	4.95960	-5.05870	-5.03300	-.11040	.02570	.03460
.252	18.515	5.05000	4.97130	-5.01830	-5.03300	-.07870	-.01470	.04610
	GRADIENT	.00241	.00003	-.00440	-.00066	-.00238	.00373	-.00531

ARC 218-1-12 OA101 (OV102) (D2Q037) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 214/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-30.069	-25.06800	-25.09800	-34.96900	-35.14000	-.03030	-.17110	.08060
.251	-25.107	-20.21500	-20.09500	-29.99200	-30.12500	.12030	-.13350	.03460
.252	-20.058	-15.02000	-15.06300	-25.03800	-25.11000	-.04300	-.07240	.04610
.252	-15.050	-10.01000	-10.03100	-20.09300	-20.06800	-.02090	.02490	.16130
.252	-9.973	-4.82900	-5.01000	-14.99900	-15.05400	-.18100	-.05470	.05760
.252	-5.007	.00000	.02000	-9.99970	-10.04700	.02000	-.04690	.05760
.252	-.013	5.08000	4.97130	-5.08900	-5.01400	-.10870	.07500	.03460
.252	4.968	9.91570	10.00700	-.05860	.00850	.09130	.06710	.02300
.252	9.937	14.86000	15.01700	4.88260	4.98890	.15650	.10630	.00000
.252	15.159	20.63000	20.02800	9.95580	10.02300	-.60150	.06740	.04610
	GRADIENT	.97083	1.01098	1.00992	1.00833	.04015	-.00159	-.00233

ARC 218-1-12 OA101 (OV102) (D2Q038) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 215/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-30.071	-25.04800	-25.09800	-34.99900	-35.14000	-.04970	-.14130	.11520
.252	-25.116	-20.20400	-20.09500	-30.04000	-30.12500	.10930	-.08580	.04610
.252	-20.046	-15.01000	-15.07300	-24.99900	-25.10000	-.06330	-.10080	.05760
.252	-15.041	-10.04900	-10.05300	-20.00400	-20.05700	-.00410	-.05370	.02300
.252	-9.996	-4.82900	-5.05000	-15.03900	-15.06400	-.22100	-.02510	.09220
.252	-5.004	.00000	.00000	-9.98110	-10.03600	.00000	-.05530	.02300
.252	.022	5.11000	4.99200	-5.01830	-4.99500	-.11800	.02330	.05760
.252	4.961	9.92380	9.99850	-.06840	-.01150	.07460	.05690	.08060
.252	9.957	14.89900	15.01700	4.95100	4.95980	.11790	.00880	.04610
.251	15.149	20.63000	20.02800	9.93140	10.00500	-.60150	.07340	-.01200
	GRADIENT	.97477	1.01379	1.00233	1.00913	.03900	.00680	.00466

ARC 218-1-12 OA101 (OV102) (D2Q039) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 216/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-30.081	-25.05800	-25.09800	-35.00900	-35.16000	-.04000	-.15'30	.11520
.251	-25.104	-20.23700	-20.09500	-29.96800	-30.11500	.14230	-.14670	.02300
.252	-20.108	-15.07000	-15.04200	-25.23900	-25.08000	.02750	.15940	.14980
.252	-15.023	-10.00000	-10.03100	-19.99500	-20.06800	-.03080	-.07340	.04610
.252	-9.983	-4.83850	-5.02000	-15.00900	-15.06400	-.18150	-.05500	.09220
.252	-5.014	.00000	.00000	-10.01900	-10.03600	.00000	-.01720	-.04810
.252	.012	5.09000	5.00100	-5.04860	-4.99500	-.08900	.05360	-.06010
.251	4.955	9.90750	9.98150	-.06840	.00000	.07400	.06840	-.03610
.251	9.943	14.90800	15.00000	4.88260	4.97920	.09150	.09660	.05760
.251	15.139	20.62000	20.00900	9.93140	9.99560	-.61050	.06420	-.02400
	GRADIENT	.97453	1.00750	1.00744	1.01044	.03297	.00299	.00485

ARC 218-1-12 OA101 (OV102) (D2Q040) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 221/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-22.911	-.03930	.00000	-.17590	-.01150	.03930	.16440	-27.24400
.251	-18.119	-.02950	.00000	-.04890	-.02300	.02950	.02590	-21.73400
.251	-14.965	-.02950	.01000	-.13680	-.02300	.03950	.11380	-18.03700
.252	-10.052	-.00980	-.03060	-.02930	-.03450	-.02080	-.00520	-12.18700
.251	-5.010	-.01970	-.04080	-.03910	-.01150	-.02120	.02760	-6.09560
.251	-2.467	-.00980	-.01020	-.03910	-.02300	-.00040	.01610	-3.00450
.251	.161	-.03930	.00000	-.17590	-.02300	.03930	.15290	.19580
.252	2.594	-.04910	-.01020	-.05860	-.02300	.03890	.03560	3.15870
.251	5.064	-.02950	-.04080	-.12700	-.03450	-.01130	.09250	6.16160
.252	10.168	-.01970	-.02040	-.21500	-.04600	-.00070	.16900	12.32500
	GRADIENT	-.00781	.00005	-.00450	-.00000	.00786	.00450	1.21790

ARC 218-1-12 OA101 (OV102) (D2Q041) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	3.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RN/L =	5.000		

RUN NO. 222/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-22.796	-.03930	.03000	-.03910	-.02300	.06930	.01610	-27.11400
.251	-17.989	-.03930	.01000	-.05860	-.02300	.04930	.03560	-21.58400
.251	-14.955	-.00980	.04000	-.08790	-.01150	.04980	.07640	-18.02500
.251	-10.084	-.03930	.00000	-.15630	-.02300	.03930	.13330	-12.22500
.252	-5.068	-.01970	-.03060	-.17590	-.01150	-.01100	.16440	-6.16670
.252	-2.497	-.00980	.01000	-.07820	-.01150	.01980	.06670	-3.04110
.251	.028	.00000	.01000	-.10750	-.01150	.01000	.09600	.03460
.252	2.537	-.06880	.01000	-.07820	-.03450	.07880	.04370	3.08960
.251	5.064	-.02950	-.02040	-.08790	-.01150	.00910	.07640	6.16160
.252	10.148	-.07860	-.03060	-.09770	-.01150	.04800	.08620	12.30200
	GRADIENT	-.01170	.00000	-.00001	-.00456	.01170	-.00455	1.21793

ARC 218-1-12 OA101 (OV102) (D2Q042) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 206/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.248	-22.911	-.02950	.00000	-.06840	.00000	.02950	.06840	-27.24400
.248	-18.054	.00000	-.04080	-.12700	.00000	-.04080	.12700	-21.65900
.248	-15.063	.00000	.03000	.03180	.00000	.03000	-.03180	-18.15300
.248	-9.894	-.01970	.00000	-.03910	.00000	.01970	.03910	-11.99600
.248	-4.888	-.02950	-.05100	-.11730	.00850	-.02150	.12580	-5.94790
.249	-2.447	-.00980	-.04080	-.10750	.00000	-.03100	.10750	-2.98020
.248	.057	-.03930	.00000	-.05860	-.01150	.03930	.04710	.06910
.248	2.613	-.00980	-.02040	-.04890	-.01150	-.01060	.03740	3.18180
.248	5.111	-.02950	-.04080	.01060	-.01150	-.01130	-.02210	6.21920
.248	10.207	-.00980	-.04080	-.04890	-.01150	-.03100	.03740	12.37200
.251	18.233	-.00980	.01000	-.02930	-.01150	.01980	.01780	21.86700
.251	23.094	.00000	.02000	-.00980	.00000	.02000	.00980	27.45200
	GRADIENT	.00119	.00528	.01016	-.00285	.00409	-.01301	1.21731

ARC 218-1-12 OA101 (OV102) (D2Q043) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 223/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-22.911	-.00980	.02000	-.07820	-.02300	.02980	.05520	-27.24400
.252	-17.928	-.01970	.01000	-.08790	-.02300	.02970	.06490	-21.51200
.252	-15.024	-.00980	.00000	-.07820	-.03450	.00980	.04370	-18.10700
.252	-9.989	.00000	-.01020	-.09770	-.03450	-.01020	.06320	-12.11000
.252	-5.000	-.06880	.03000	-.05860	-.02300	.09880	.03560	-6.08370
.252	-2.397	-.02950	.01000	-.11730	-.05750	.03950	.05980	-2.91930
.252	.019	-.00980	.00000	-.02930	-.03450	.00980	-.00520	.02300
.252	2.518	-.05900	.01000	-.06840	-.02300	.06900	.04540	3.06660
.251	5.026	-.02950	-.01020	-.11730	-.02300	.01930	.09430	6.11560
.252	10.168	-.02950	.01000	-.05860	-.03450	.03950	.02410	12.32500
	GRADIENT	.00202	-.00282	.00221	.00085	-.00484	-.00136	1.21724

ARC 218-1-12 OA101 (OV102) (D2Q044) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 224/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-22.854	-.02950	-.01020	-.13680	-.02300	.01930	.11380	-27.17900
.250	-18.022	-.00980	.00000	-.08790	-.01150	.00980	.07640	-21.62100
.251	-15.043	-.03930	.00000	-.06840	-.02300	.03930	.04540	-18.13000
.251	-9.946	-.02950	.00000	-.07820	-.02300	.02950	.05520	-12.06000
.251	-4.990	-.04910	.00000	-.11730	-.02300	.04910	.09430	-6.07190
.251	-2.497	-.01970	.04000	-.05860	-.02300	.05970	.03560	-3.04110
.251	.038	-.02950	.01000	-.03910	-.02300	.03950	.01610	.04610
.251	2.584	-.01970	-.03060	-.01950	-.02300	-.01100	-.00350	3.14720
.251	5.054	-.04910	.01000	-.05860	-.01150	.05920	.04710	6.15010
.251	10.187	-.02950	.00000	-.03910	-.01150	.02950	.02760	12.34900
	GRADIENT	.00309	-.00486	.01237	.00000	-.00796	-.01237	1.21727

ARC 218-1-12 OA101 (OV102) (D2Q045) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	000	SPDBRK =	25.000
RN/L =	5.000		

RUN NO. 225/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-22.892	.01070	.03000	-.10750	-.02300	.01930	.08450	-27.22200
.252	-18.022	.00000	.01000	-.05860	-.02300	.01000	.03560	-21.62100
.252	-15.082	.00000	.00000	-.02930	-.02300	.00000	.00630	-18.17500
.251	-9.968	.00000	.03000	-.10750	-.01150	.03000	.09600	-12.08500
.252	-4.898	.00000	.02000	-.05860	-.03450	.02000	.02410	-5.96040
.251	-2.457	-.00980	.01000	-.01950	-.01150	.01980	.00800	-2.99230
.251	.028	.00000	.00000	-.09770	-.02300	.00000	.07470	.03460
.251	2.622	-.01970	-.04080	-.06840	-.02300	-.02120	.04540	3.19330
.250	5.073	.00000	-.01020	-.09770	-.02300	-.01020	.07470	6.17320
.252	10.138	.00000	-.06120	-.01950	-.04600	-.06120	-.02650	12.29000
	GRADIENT	-.00199	-.00772	-.00428	.00089	-.00575	.00518	1.21729

ARC 218-1-12 OA101 (OV102) (D2Q046) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 208/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-7.927	-.02950	.00000	-.05860	.00000	.02950	.05860	-5.99800
.253	-5.459	-.03930	.01000	-.04890	.00000	.04930	.04890	-6.04810
.253	-.080	.00000	.01000	-.05860	-.01150	.01000	.04710	-6.02310
.253	2.469	-.01970	-.01020	-.00980	-.01150	.00950	-.00170	-5.99800
.253	5.723	-.04910	.02000	-.02930	.00000	.06920	.02930	-6.08370
.252	7.188	-.04910	.02000	-.10750	-.01150	.06920	.09600	-6.07190
.253	8.830	-.02950	.00000	-.02930	.00000	.02950	.02930	-5.98550
.253	11.027	-.01970	.00000	-.07820	-.01150	.01970	.06670	-6.13120
.252	13.181	-.02950	-.02040	-.02930	-.01150	.00910	.01780	-6.07190
.252	16.642	-.02950	.00000	-.04890	-.01150	.02950	.03740	-6.06010
.251	18.524	-.04910	.01000	-.10750	.00000	.05920	.10750	-6.13120
	GRADIENT	-.00773	-.00792	.01914	.00000	-.00020	-.01914	.00985

ARC 218-1-12 OA101 (OV102) (D2Q047) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 234/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.137	.00000	-.02040	-.07820	.00000	-.02040	.07820	-6.10750
.251	-4.163	-.01970	-.05100	.01060	.00000	-.03140	-.01060	-6.07190
.251	-2.066	-.00980	-.02040	-.03910	.00000	-.01060	.03910	-6.07190
.251	-1.043	-.00980	-.05100	-.01950	.00000	-.04120	.01950	-6.06010
.251	-.226	-.00980	.00000	-.00980	.00000	.00980	.00980	-6.08370
.251	.610	.00000	.00000	.01060	.00000	.00000	-.01060	-6.11930
.251	1.074	-.00980	-.05100	-.04890	.00000	-.04120	.04890	-6.07190
.251	2.090	-.01970	-.04080	.01060	.00000	-.02120	-.01060	-6.04810
.251	3.137	-.00980	-.01020	-.07820	.00000	-.00040	.07820	-6.09560
.251	4.147	-.00980	-.04080	-.01950	.00000	-.03100	.01950	-6.09560
.251	6.185	-.01970	-.01020	-.05860	.00000	.00950	.05860	-6.17860
.251	8.227	-.01970	-.02040	-.06840	.00000	-.00070	.06840	-6.02310
.251	10.204	-.00980	.00000	-.01950	.00000	.00980	.01950	-6.07190
	GRADIENT	.00056	.00131	-.00403	.00000	.00076	.00403	-.00246

DATE 01 AUG 78

AMES 218-1-12 (OA101) - FORCE SOURCE DATA TABULATION

ARC 218-1-12 OA101 (OV102)

(D2Q048) (01 FEB 78)

REFERENCE DATA

SREF	=	2690.0000 SQ.FT.	XMRP	=	1076.6800 IN. XO
LREF	=	474.8100 INCHES	YMRP	=	.0000 IN. YO
BREF	=	936.6800 INCHES	ZMRP	=	375.0000 IN. ZO
SCALE	=	.0500			

PARAMETRIC DATA

ALPHA	=	5.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	.000
SPDBRK	=	25.000	RUDDER	=	-22.800
RN/L	=	5.000			

RUN NO. 233/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.146	-.00980	-.03060	.01060	.00000	-.02080	-.01060	-27.23300
.252	-4.171	-.01970	-.02040	.01060	.00000	-.00070	-.01060	-27.21200
.251	-2.095	.00000	-.02040	-.05860	.00000	-.02040	.05860	-27.24400
.251	-1.017	-.00980	.00000	-.05860	.00000	.00980	.05860	-27.25500
.251	-.226	.00000	.00000	-.01950	.00000	.00000	.01950	-27.14600
.251	.598	-.01970	.00000	.00000	.00000	.01970	.00000	-27.20100
.251	1.469	-.00980	-.03060	-.02930	.00000	-.02080	.02930	-27.23300
.251	2.091	-.00980	-.03060	-.02930	.00000	-.02080	.02930	-27.24400
.251	3.149	.00000	-.03060	-.00980	.00000	-.03060	.00980	-27.23300
.251	4.138	-.02950	-.01020	-.01950	.00000	.01930	.01950	-27.19000
.251	6.181	-.01970	-.01020	-.00980	.00000	.00950	.00980	-27.19000
.251	8.201	-.00980	-.02040	.01060	.00000	-.01060	-.01060	-27.22200
.251	10.200	-.02950	-.01020	-.06840	.00000	.01930	.06840	-27.22200
	GRADIENT	-.00061	-.00104	.00037	.00000	-.00043	-.00037	.00093

(D2Q049) (01 FEB 78)

ARC 218-1-12 OA101 (OV102)

PARAMETRIC DATA

BETA	=	.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	-11.700
SPDBRK	=	25.000	RUDDER	=	.000
RN/L	=	5.000			

REFERENCE DATA

SREF	=	2690.0000 SQ.FT.	XMRP	=	1076.6800 IN. XO
LREF	=	474.8100 INCHES	YMRP	=	.0000 IN. YO
BREF	=	936.6800 INCHES	ZMRP	=	375.0000 IN. ZO
SCALE	=	.0500			

RUN NO. 211/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-7.937	-.02950	.00000	-.01950	.00000	.02950	.01950	.05760
.252	-5.544	-.04910	.00000	-.04890	-.01150	.04910	.03740	.09220
.252	-.140	-.04910	-.01020	-.02930	-.01150	.03890	.01780	.04610
.252	2.433	-.03930	.00000	-.05860	-.01150	.03930	.04710	.10370
.252	5.764	-.02950	.00000	-.04890	-.01150	.02950	.03740	.04610
.252	8.950	-.03930	-.03060	-.03910	.00000	.00870	.03910	.11520
.252	11.035	-.04910	-.03060	-.03910	-.01150	.01850	.02760	.01150
.252	13.158	-.04910	.00000	-.09770	-.02300	.04910	.07470	.04610
.252	16.249	-.02950	.03000	-.08790	.00000	.05950	.08790	.02300
.252	18.496	-.02950	.00000	-.03910	-.01150	.02950	.02760	.03460
.251	GRADIENT	.00381	.00396	-.01139	.00000	.00016	.01139	.02239

ARC 218-1-12 OA101 (OV102) (D2Q050) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 212/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-7.799	-.02950	.03000	-.00980	-.01150	.05950	-.00170	.02300
.252	-5.335	-.02950	.03000	-.06840	-.01150	.05950	.05690	.02300
.252	-.101	-.04910	.00000	-.07820	-.01150	.04910	.06670	.09220
.252	2.526	-.03930	.02000	-.05860	-.02300	.05930	.03560	-.01200
.252	5.723	-.04910	-.01020	-.05860	-.01150	.03890	.04710	.05760
.252	7.377	-.02950	.00000	-.17590	-.01150	.02950	.16440	.05760
.252	8.940	-.04910	.00000	-.06840	-.02300	.04910	.04540	-.03610
.252	11.136	-.02950	.00000	-.04890	-.01150	.02950	.03740	.04610
.252	13.313	-.02950	.01000	-.05860	-.01150	.03950	.04710	.08060
.252	16.362	-.02950	.01000	-.07820	-.01150	.03950	.06670	.08060
.250	18.593	-.04910	.00000	-.06840	-.02300	.04910	.04540	.06910
	GRADIENT	.00373	.00761	.00746	-.00438	.00388	-.01184	-.03967

ARC 218-1-12 OA101 (OV102) (D2Q051) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 213/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-7.716	-.00980	.02000	-.07820	-.02300	.02980	.05520	.03460
.252	-5.429	-.01970	.02000	-.06840	-.01150	.03970	.05690	-.03610
.252	-.015	-.02950	.01000	-.05860	-.02300	.03950	.03560	-.06010
.252	2.544	-.02950	.00000	-.00980	-.01150	.02950	-.00170	-.04810
.253	5.796	-.01970	.02000	-.05860	-.01150	.03970	.04710	.02300
.252	7.245	-.01970	.00000	-.02930	-.01150	.01970	.01780	.02300
.252	8.990	-.03930	.01000	-.01950	-.02300	.04930	-.00350	.02300
.252	11.174	-.01970	.00000	-.02930	-.03450	.01970	-.00520	.02300
.252	13.300	-.03930	.00000	-.02930	-.02300	.03930	.00630	.03460
.251	16.490	-.02950	.00000	-.06840	-.02300	.02950	.04540	.00000
.250	18.657	-.01970	.01000	-.14660	-.02300	.02970	.12360	-.03610
	GRADIENT	.00000	-.00391	.01907	.00449	-.00391	-.01457	.00469

ARC 218-1-12 OA101 (OV102) (D2Q052) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 219/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-11.627	-.03930	.00000	.00000	-.02300	.03930	-.02300	.12670
.252	-7.921	-.01970	-.02040	-.04890	-.01150	-.00070	.03740	.09220
.252	-6.056	-.01970	-.01020	-.00980	-.01150	.00950	-.00170	.00000
.251	-3.072	-.02950	.00000	-.09770	-.01150	.02950	.08620	-.02400
.251	-.010	-.02950	.00000	-.10750	-.01150	.02950	.09600	.01150
.251	3.144	-.04910	.00000	-.07820	-.01150	.04910	.06670	-.03610
.250	5.020	-.02950	.00000	-.03910	-.02300	.02950	.01610	.02300
.251	8.071	-.02950	-.01020	-.06840	-.01150	.01930	.05690	.03460
.251	12.150	-.03930	-.01020	-.07820	-.01150	.02910	.06670	.03460
.251	16.406	-.03930	.00000	-.02930	-.01150	.03930	.01780	.05760
.251	22.488	-.01970	-.01020	-.09770	-.01150	.00950	.08620	-.04810
	GRADIENT	-.00317	.00000	.00317	.00000	.00317	-.00317	-.00201

ARC 218-1-12 OA101 (OV102) (D2Q053) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 175/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-11.704	-.03930	.00000	-.00980	-.01150	.03930	-.00170	.08060
.251	-8.018	.00000	.02000	-.01950	.00000	.02000	.01950	.11520
.250	-6.045	-.03930	.01000	-.07820	-.01150	.04930	.06670	.04610
.250	-2.944	-.00980	.02000	-.08790	-.01150	.02980	.07640	-.04810
.250	.119	-.02950	.00000	-.05860	-.02300	.02950	.03560	.03460
.250	3.033	-.03930	.02000	-.02930	.00000	.05930	.02930	.02300
.251	6.010	-.00980	-.02040	-.19540	-.01150	-.01060	.18390	.05760
.250	8.092	-.00980	.01000	.01060	.00000	.01980	-.01060	.05760
.250	12.099	-.02950	.00000	-.15630	-.02300	.02950	.13330	.02300
.251	16.424	-.01970	-.01020	-.04890	-.01150	.00950	.03740	.05760
.250	22.500	-.02950	.00000	-.09770	-.01150	.02950	.08620	-.03610
	GRADIENT	-.00495	-.00006	.00980	.00188	.00489	-.00793	.01202

ARC 218-1-12 OA101 (OV102) (D2Q054) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 187/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-11.713	.03200	.03000	-.02930	-.01150	-.00200	.01780	.18430
.252	-8.028	.05340	.00000	.22270	-.01150	-.05340	-.23420	.06910
.252	-6.089	.02130	.03000	-.40060	.00000	.00870	.40060	.12670
.251	-2.955	.02130	.01000	-.45920	-.01150	-.01130	.44770	.06910
.251	-.071	.03200	.00000	.20150	-.01150	-.03200	-.21300	.17280
.251	3.013	-.00980	-.01020	.13790	-.01150	-.00040	-.14940	.05760
.251	6.030	.00000	.01000	.33940	-.01150	.01000	-.35090	.13820
.251	8.092	.03200	-.01020	-.17590	-.01150	-.04220	.16440	.03460
.251	12.027	.00000	-.05100	-.12700	-.02300	-.05100	.10400	.00000
.251	16.469	.00000	-.03060	-.08790	-.03450	-.03060	.05340	.08060
.251	22.500	.02130	.00000	.37120	.00000	-.02130	-.37120	.08060
	GRADIENT	-.00531	-.00338	.09866	-.00000	.00192	-.09866	-.00233

ARC 218-1-12 OA101 (OV102) (D2Q055) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 220/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-11.781	-.02950	.00000	-.03910	-.01150	.02950	.02760	.08060
.251	-8.132	-.03930	.00000	-.17590	-.03450	.03930	.14140	.04610
.251	-6.002	-.00980	-.04080	-.10750	-.01150	-.03100	.09600	.02300
.251	-3.008	-.02950	.00000	-.03910	-.01150	.02950	.02760	.00000
.251	-.050	-.02950	.00000	-.05860	-.02300	.02950	.03560	.03460
.251	3.043	-.00980	.00000	-.05860	-.01150	.00980	.04710	.04610
.251	5.920	-.02950	-.01020	.02120	-.02300	.01930	-.04420	.02300
.251	8.061	-.01970	-.01020	-.20520	-.05750	.00950	.14770	.11520
.251	12.093	-.04910	.00000	-.06840	-.01150	.04910	.05690	-.01200
.251	16.253	-.06880	-.03060	-.03910	-.01150	.03820	.02760	.02300
.251	22.500	-.01970	-.04080	-.14660	-.02300	-.02120	.12360	.02300
	GRADIENT	.00328	.00000	-.00320	.00003	-.00328	.00323	.00759

ARC 218-1-12 OA101 (OV102) (D2Q056) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 271/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-8.017	.01070	.00000	-.02930	.00000	-.01070	.02930	.03460
.251	-5.552	.00000	-.03060	-.08790	.00000	-.03060	.08790	.04610
.251	-4.690	.02130	-.05100	-.01950	.00000	-.07240	.01950	.11520
.251	-.161	.05340	.06000	-.05860	.00850	.00660	.06710	.11520
.251	2.662	.01070	-.02040	-.08790	.00000	-.03110	.08790	.02300
.251	4.955	.00000	-.01020	.00000	.00000	-.01020	.00000	.03460
.251	5.617	.02130	-.02040	-.01950	.00000	-.04170	.01950	.06910
.251	7.123	.01070	-.01020	-.08790	.00000	-.02090	.08790	.08060
.251	8.847	.01070	-.01020	-.06840	.00000	-.02090	.06840	.09220
.251	11.042	.00000	.00000	-.07820	.00000	.00000	.07820	.02300
.250	13.227	.01070	-.04080	-.02930	.00000	-.05150	.02930	.05760
.250	16.418	.05340	-.06120	-.01950	.00000	-.11460	.01950	-.04810
.249	18.662	.01070	-.04080	-.03910	.00000	-.05150	.03910	.06910
	GRADIENT	-.00269	.00270	-.00035	-.00014	.00540	.00021	-.01015

ARC 218-1-12 OA101 (OV102) (D2Q057) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 256/ 0 RN/L = 7.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-8.100	.02130	.02000	-.01950	.00850	-.00130	.02800	.12670
.252	-5.522	.00000	.00000	-.01950	.00850	.00000	.02800	.09220
.252	-.130	-.03930	-.01020	-.02930	.00000	.02910	.02930	.04610
.251	2.684	-.00980	.00000	-.06840	.00000	.00980	.06840	.12670
.251	5.655	.00000	-.01020	-.01950	.01700	-.01020	.03650	.14980
.251	7.231	-.01970	-.01020	-.03910	.01700	.00950	.05610	.05760
.251	8.971	.00000	-.01020	-.01950	.01700	-.01020	.03650	.12670
.251	11.214	.01070	-.02040	-.02930	.00850	-.03110	.03780	.02300
.251	13.416	.01070	-.04080	-.05860	.01700	-.05150	.07560	.12670
.250	16.709	-.00980	-.04080	-.05860	.01700	-.03100	.07560	.04610
.250	18.989	-.00980	-.03060	-.02930	.00000	-.02080	.02930	.04610
	GRADIENT	.01049	.00363	-.01390	.00000	-.00686	.01390	.02865

ARC 218-1-12 OA101 (OV102) (D2Q058) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 259/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.188	-.00980	.00000	-.05860	.01700	.00980	.07560	.13820
.251	-4.182	.00000	.00000	-.10750	.00850	.00000	.11600	.14980
.251	-2.088	.00000	.00000	-.02930	.02550	.00000	.05480	.11520
.251	.045	-.03930	.00000	-.00980	.01700	.03930	.02680	.14980
.251	2.034	.01070	.00000	-.05860	.02550	-.01070	.08410	.05760
.251	4.145	.00000	.00000	-.04890	.03400	.00000	.08290	.09220
.251	6.131	-.00980	.00000	-.05860	.01700	.00980	.07560	.09220
.251	7.437	.00000	.00000	-.08790	.01700	.00000	.10490	.08060
	GRADIENT	.00046	.00000	.00431	.00245	-.00046	-.00186	-.00824

ARC 218-1-12 OA101 (OV102) (D23059) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 260/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.348	.00000	.02000	-.03910	.00000	.02000	.03910	.11520
.251	-4.263	.01070	.00000	-.08790	.02550	-.01070	.11340	.12670
.251	-3.175	.00000	-.04080	.01060	.00850	-.04080	-.00210	.12670
.251	-2.101	.01070	.01000	-.00980	.01700	-.00070	.02680	.12670
.251	-1.080	.01070	.00000	-.02930	.01700	-.01070	.04630	.21890
.250	-.002	.01070	-.05100	-.15630	.00850	-.06170	.16480	.31100
.251	.535	-.00980	.00000	-.02930	.05100	.00980	.08030	.21890
.251	1.067	.03200	-.01020	-.06840	.04250	-.04220	.11090	.08060
.251	2.121	.00000	.01000	-.13680	.04250	.01000	.17930	.12670
.251	3.153	.00000	.00000	-.08790	.04250	.00000	.13040	.09220
.251	4.197	.03200	-.01020	-.08790	.04250	-.04220	.13040	.13820
.251	6.239	-.06880	.00000	-.04890	.04250	.06880	.09140	.13820
.251	8.210	-.03930	.00000	-.02930	.03400	.03930	.06330	.03460
.250	10.273	.00000	.01000	-.16610	.05100	.01000	.21710	.09220
	GRADIENT	.00118	.00119	-.00892	.00404	.00002	.01296	-.00258

ARC 218-1-12 OA101 (OV102) (D2Q060) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 257/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.215	.01070	.01000	-.07820	-.01150	-.00070	.06670	.09220
.252	-4.235	.01070	.01000	-.08790	-.01150	-.00070	.07640	.11520
.252	-2.124	.01070	.00000	-.03910	-.01150	-.01070	.02760	.05760
.251	-1.084	.00000	-.01020	-.05860	-.01150	-.01020	.04710	.08060
.252	-.211	.01070	-.01020	-.10750	.00000	-.02090	.10750	.08060
.252	.624	.01070	.00000	-.05860	.00000	-.01070	.05860	.12670
.252	1.104	.00000	-.01020	.03180	.01700	-.01020	-.01480	.09220
.251	2.149	.03200	-.02040	-.08790	.00000	-.05240	.08790	.12670
.251	3.197	.00000	.00000	-.07820	.00000	.00000	.07820	.19580
.252	4.222	.00000	.00000	-.08790	.00000	.00000	.08790	.04610
.252	6.274	.00000	.00000	-.01950	.00000	.00000	.01950	.04610
.251	8.311	.00000	.02000	-.14660	.00000	.02000	.14660	.12670
.251	10.317	.00000	.00000	-.06840	.03400	.00000	.10240	.04610
	GRADIENT	-.00044	-.00120	-.00067	.00197	-.00075	.00264	.00330

ARC 218-1-12 0A101 (0V102) (D2Q031) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 261/ 0 RN/L = 7.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.136	.01070	-.01020	-.00980	.00000	-.02090	.00980	.28800
.250	-4.157	-.03930	-.01020	-.01950	.00850	.02910	.02800	.11520
.250	-2.053	.00000	-.01020	-.17590	-.02300	-.01020	.15290	.12670
.250	-1.130	-.02950	.00000	-.15630	.04250	.02950	.19880	.13820
.251	.008	.01070	.00000	.01060	.03400	-.01070	.02340	.06910
.251	.505	.00000	-.06120	-.00980	.01700	-.06120	.02680	.00000
.250	1.001	-.03930	-.03060	-.05860	.02550	.00870	.08410	.17280
.250	2.159	.01070	-.01020	-.11730	.00850	-.02090	.12580	.05760
.250	3.146	.01070	-.01020	-.04890	.01700	-.02090	.06590	.13820
.250	4.222	-.00980	.00000	-.00980	.01700	.00980	.02680	.03460
.251	6.199	-.02950	.00000	-.08790	.01700	.02950	.10490	.12670
.251	8.292	.00000	-.01020	-.14660	.01700	-.01020	.16360	.17280
.251	10.266	.00000	.000[illegible]	-.06840	.01700	.00000	.08540	.12670
	GRADIENT	.00379	.00004	.00633	.00148	-.00375	-.00485	-.00669

ARC 218-1-12 0A101 (0V102) (D2Q062) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 262/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-5.776	-.00980	-.01020	-.19540	.03400	-.00040	.22940	.10370
.251	-3.911	.01070	.06000	-.09770	.01700	.04930	.11470	.04610
.250	-2.069	.00000	.03000	-.05860	.00850	.03000	.06710	.16130
.251	-.012	.03200	.03000	.05300	.00850	-.00200	-.04450	.08060
.251	2.083	.01070	.05000	-.08790	.01700	.03930	.10490	.05760
.251	4.088	.03200	.02000	-.03910	.01700	-.01200	.05610	.18430
.251	6.130	.03200	.04000	-.06840	.01700	.00800	.08540	.18430
.251	7.071	.01070	.06000	-.06840	.00850	.04930	.07690	.08060
	GRADIENT	.00265	-.00290	.00414	.00045	-.00556	-.00368	.00836

ARC 218-1-12 OA101 (OV102) (D2Q063) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 269/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-22.815	-.03930	.00000	-.01950	.00000	.03930	.01950	-27.13500
.251	-18.032	.02130	-.05100	-.01950	.00000	-.07240	.01950	-21.63400
.251	-15.053	-.00980	-.03060	.01060	.00000	-.02080	-.01060	-18.14100
.251	-10.042	-.05900	.00000	-.12700	.00000	.05900	.12700	-12.17400
.251	-4.939	-.00980	.00000	-.06840	.00000	.00980	.06840	-6.01050
.251	-2.417	.00000	.00000	.01060	-.02300	.00000	-.03360	-2.94360
.251	.019	-.00980	.01000	-.02930	-.01150	.01980	.01780	.02300
.251	2.518	-.00980	.01000	-.07820	-.01150	.01980	.06670	3.06660
.251	5.102	-.02950	.00000	-.05860	.00000	.02950	.05860	6.20770
.251	10.050	.00000	.00000	-.11730	.00000	.00000	.11730	12.18400
	GRADIENT	-.00039	.00161	-.00274	-.00094	.00199	.00180	1.21726

ARC 218-1-12 OA101 (OV102) (D2Q064) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 265/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-22.796	-.01970	.03000	.01060	.00000	.04970	-.01060	-27.11400
.251	-18.075	.00000	.07000	-.05860	.00000	.07000	.05860	-21.68400
.251	-14.955	.00000	.04000	-.01950	.00850	.04000	.02800	-18.02500
.251	-9.999	.00000	.02000	-.02930	.00000	.02000	.02930	-12.12300
.251	-4.960	.02130	.01000	-.11730	.00850	-.01130	.12580	-6.03560
.251	-2.497	-.00980	.03000	-.04890	.00850	.03980	.05740	-3.04110
.251	.085	.00000	.04000	-.07820	.00850	.04000	.08670	.10370
.251	2.594	.03200	.01000	-.16610	.00000	-.02200	.16610	3.15870
.251	5.111	-.03930	.03000	-.05860	.00000	.06930	.05860	6.21920
.251	10.305	.00000	.00000	-.00980	.00000	.00000	.00980	12.49000
	GRADIENT	.00169	.00039	-.00703	-.00101	-.00130	.00602	1.21727

ARC 218-1-12 OA101 (OV102) (D2Q065) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 255/ 0 RN/L = 7.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-22.825	-.01970	.01000	-.11730	.00850	.02970	.12580	-27.14600
.251	-18.022	-.03930	.02000	-.07820	.00000	.05930	.07820	-21.62100
.251	-14.975	-.01970	.00000	-.04890	.00850	.01970	.05740	-18.04900
.251	-9.968	.00000	.00000	-.03910	.00850	.00000	.04760	-12.08500
.251	-4.836	-.00980	.00000	-.14660	.00850	.00980	.15510	-5.88530
.251	-2.367	-.02950	.00000	-.14660	.00000	.02950	.14660	-2.88270
.250	.095	-.03930	.01000	-.11730	.00850	.04930	.12580	.11520
.251	2.565	-.02950	.00000	-.01950	.00850	.02950	.02800	3.12420
.251	5.140	-.00980	.00000	-.02930	.00000	.00980	.02930	6.25380
.251	10.148	.00000	.00000	-.07820	.00850	.00000	.08670	12.30200
	GRADIENT	-.00279	.00040	.01665	.00034	.00320	-.01630	1.21732

ARC 218-1-12 OA101 (OV102) (D2Q066) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 266/ 0 RN/L = 7.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-22.902	.00000	.00000	-.08790	.00850	.00000	.09640	-27.23300
.251	-17.957	.00000	.00000	-.08790	.00000	.00000	.08790	-21.54600
.251	-14.883	.00000	-.01020	-.11730	.00000	-.01020	.11730	-17.94000
.251	-10.116	.02130	.00000	-.02930	.00850	-.02130	.03780	-12.26300
.251	-4.888	.00000	.00000	-.06840	.00850	.00000	.07690	-5.94790
.251	-2.407	-.02950	.03000	-.08790	.00850	.05950	.09640	-2.93140
.251	.038	.01070	-.01020	-.03910	.00850	-.02090	.04760	.04610
.251	2.565	.00000	-.01020	-.04890	.00000	-.01020	.04890	3.12420
.251	5.130	.00000	-.05100	-.04890	.00000	-.05100	.04890	6.24230
.251	9.992	.02130	-.01020	-.03910	.00000	-.03150	.03910	12.11400
	GRADIENT	.00160	-.00284	.00430	-.00103	-.00445	-.00534	1.21730

ARC 218-1-12 OA101 (OV102) (D2Q067) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 267/ 0 RN/L = 7.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-22.708	.00000	.01000	-.04890	.00000	.01000	.04890	-27.01400
.250	-18.075	.02130	.01000	-.10750	.00000	-.01130	.10750	-21.68400
.251	-15.053	-.00980	.01000	-.12700	.00000	.01980	.12700	-18.14100
.250	-9.936	.01070	.02000	-.12700	.00000	.00930	.12700	-12.04700
.250	-4.764	.01070	.02000	-.04890	.00000	.00930	.04890	-5.79770
.250	-2.407	.02130	.00000	-.08790	-.01150	-.02130	.07640	-2.93140
.250	.057	.02130	.01000	-.05860	.00000	-.01130	.05860	.06910
.250	2.575	.01070	.00000	-.12700	.00000	-.01070	.12700	3.13570
.250	5.083	.00000	.06000	-.16610	-.01150	.06000	.15460	6.18470
.250	9.943	-.01970	.01000	-.14660	.00000	.02970	.14660	12.05500
	GRADIENT	-.00003	-.00202	-.00840	.00049	-.00200	.00889	1.21736

ARC 218-1-12 OA101 (OV102) (D2Q068) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 17.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = .000
RN/L = 8.000

RUN NO. 268/ 0 RN/L = 7.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.249	-22.863	.00000	.03000	-.06840	.00000	.03000	.06840	-27.19000
.249	-18.032	.02130	.02000	.09550	-.01150	-.00130	-.10700	-21.63400
.249	-15.043	-.02950	.03000	.02120	.00000	.05950	-.02120	-18.13000
.250	-9.957	-.00980	.02000	-.12700	-.01150	.02980	.11550	-12.07200
.250	-4.909	-.04910	.06000	-.05860	.00000	.10910	.05860	-5.97300
.249	-2.467	.01070	-.01020	-.05860	-.01150	-.02090	.04710	-3.00450
.250	.028	-.00980	-.03060	-.08790	.00000	-.02080	.08790	.03460
.249	2.603	.00000	.01000	-.01950	-.01150	.01000	.00800	3.17020
.249	5.102	-.03930	.02000	-.08790	.00000	.05930	.08790	6.20770
.250	10.001	-.02950	.00000	-.10750	.00000	.02950	.10750	12.12600
	GRADIENT	.00502	-.00669	.00359	-.00092	-.01171	-.00451	1.21729

ARC 218-1-12 OA101 (OV102) (D2Q069) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 264/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-8.115	.01070	-.01020	-.03910	.00000	-.02090	.03910	-6.03560
.251	-5.615	.00000	-.04080	-.01950	.00000	-.04080	.01950	-5.93540
.251	-.132	-.02950	.00000	-.02930	.00000	.02950	.02930	-6.07190
.251	2.685	-.03930	.00000	-.05860	.00000	.03930	.05860	-6.17860
.251	5.675	-.04910	.01000	-.13680	.01700	.05920	.15380	-6.11930
.251	7.245	-.01970	-.04080	-.11730	.00000	-.02120	.11730	-6.21410
.251	8.980	-.02950	-.01020	-.06840	.00000	.01930	.06840	-6.16670
.251	11.221	.00000	-.02040	-.03910	.00000	-.02040	.03910	-6.09560
.251	13.427	.00000	-.04080	-.01950	.00000	-.04080	.01950	-6.09560
.250	16.576	.00000	.03000	.00000	.00000	.03000	.00000	-6.06010
.247	18.959	.00000	.00000	-.08790	.00000	.00000	.08790	-6.17860
	GRADIENT	-.00348	.00000	-.01040	.00000	.00348	.01040	-.03789

ARC 218-1-12 OA101 (OV102) (D2Q070) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 258/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.274	.00000	.00000	-.07820	.00850	.00000	.08670	-5.96040
.251	-4.234	.00000	.01000	-.03910	.00850	.01000	.04760	-6.02310
.251	-2.113	-.01970	.04000	-.03910	.01700	.05970	.05610	-6.02310
.251	-1.085	.00000	.03000	-.05860	.02550	.03000	.08410	-6.01050
.251	-.228	.00000	.00000	-.08790	.01700	.00000	.10490	-5.99800
.251	.626	.00000	.00000	-.01950	.02550	.00000	.04500	-6.09560
.251	1.100	-.00980	.00000	-.04890	.02550	.00980	.07440	-5.96040
.252	2.124	.01070	.00000	-.04890	.02550	-.01070	.07440	-5.98550
.252	3.207	.01070	-.01020	-.05860	.04250	-.02090	.10110	-6.13120
.252	4.214	.00000	-.01020	-.09770	.00850	-.01020	.10620	-6.07190
.252	6.280	.01070	.00000	-.00980	.00850	-.01070	.01830	-6.01050
.251	8.306	-.00980	.00000	.01060	.00850	.00980	-.00210	-6.02310
.251	10.286	.01070	-.01020	-.05860	.04250	-.02090	.10110	-6.03560
	GRADIENT	.00162	-.00460	-.00422	.00157	-.00622	.00579	-.00766

ARC 218-1-12 OA101 (OV102) (D2Q071) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	.000
RN/L =	8.000		

RUN NO. 270/ 0 RN/L = 7.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-22.787	.00000	.00000	.03180	.00000	.00000	-.03180	-27.10300
.251	-17.946	.00000	.00000	-.02930	.00000	.00000	.02930	-21.53400
.251	-14.995	.02130	.00000	-.04890	-.01150	-.02130	.03740	-18.07300
.251	-9.936	.00000	-.01020	.09550	.00000	-.01020	-.09550	-12.04700
.251	-4.898	.00000	.02000	.05300	.00000	.02000	-.05300	-5.96040
.251	-2.407	.00000	.00000	-.06840	.00000	.00000	.06840	-2.93140
.251	-.039	.01070	.06000	-.09770	-.01150	.04930	.08620	-.04810
.251	2.613	-.02950	.00000	-.14660	.00850	.02950	.15510	3.18180
.251	5.045	.00000	-.02040	-.03910	.00000	-.02040	.03910	6.13860
.251	10.080	.00000	.00000	-.07820	.00000	.00000	.07820	12.22000
	GRADIENT	-.00322	-.00018	-.02519	.00062	.00303	.02581	1.21729

ARC 218-1-12 OA101 (OV102) (D2Q072) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 263/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-7.952	.03200	.03000	-.02930	.00850	-.00200	.03780	.09220
.252	-5.661	.06400	.04000	-.08790	.00850	-.02400	.09640	.08060
.252	-.114	.03200	.01000	-.00980	.01700	-.02200	.02680	.14980
.251	2.144	.02130	.03000	.05300	.00850	.00870	-.04450	.10370
.251	2.687	.04270	.00000	-.06840	.00000	-.04270	.06840	-.01200
.252	5.558	.01070	-.03060	-.02930	.00000	-.04130	.02930	.08060
.252	7.247	.02130	-.02040	-.04890	.00000	-.04170	.04890	.11520
.252	8.981	.03200	.03000	.02120	.00000	-.00200	-.02120	-.01200
.252	11.207	.00000	.00000	-.02930	.00850	.00000	.03780	.02300
.252	13.473	.00000	.01000	-.28340	.00000	.01000	.28340	.02300
.250	16.716	.03200	-.01020	-.02930	.00000	-.04220	.02930	-.01200
.250	18.770	.00000	-.02040	-.12700	.00000	-.02040	.12700	.02300
	GRADIENT	.00132	.00007	-.00666	-.00540	-.00125	.00127	-.04684

ARC 218-1-12 OA101 (OV102) (D2Q073) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 254/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-11.704	-.00980	-.01020	-.02930	.01700	-.00040	.04630	.12670
.251	-9.175	.00000	.00000	-.01950	.00850	.00000	.02800	.04610
.252	-6.035	-.00980	.00000	-.03910	.00850	.00980	.04760	.04610
.253	-3.019	-.05900	.00000	-.07820	.01700	.05900	.09520	.13820
.253	.030	.01070	.00000	-.02930	.01700	-.01070	.04630	.08060
.252	3.064	.00000	-.01020	-.05860	.00850	-.01020	.06710	.04610
.252	6.010	.00000	.00000	-.06840	.00850	.00000	.07690	.05760
.251	8.051	.00000	.00000	-.02930	.00850	.00000	.03780	.03460
.251	12.068	-.00980	.00000	-.10750	.00850	.00980	.11600	.03460
.252	16.541	.00000	.00000	-.02930	.00000	.00000	.02930	.17280
.252	22.500	-.00980	.00000	-.06840	.00850	.00980	.07690	.10370
	GRADIENT	.00971	-.00168	.00323	-.00140	-.01139	-.00463	-.01514

ARC 218-1-12 OA101 (OV102) (D2Q074) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	7.500	RUDDER =	.000
RN/L =	5.000		

RUN NO. 286/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.248	-7.934	-.02950	.00000	.01060	.01700	.02950	.00640	.02300
.249	-5.501	-.00980	.00000	-.01950	.01700	.00980	.03650	.04610
.248	-.125	-.02950	.00000	-.08790	.00850	.02950	.09640	.04610
.248	2.681	-.00980	.02000	-.12700	.01700	.02980	.14400	-.04810
.248	5.612	-.03930	.00000	-.02930	.00000	.03930	.02930	.05760
.248	7.124	-.02950	-.01020	-.02930	.00000	.01930	.02930	.00000
.248	8.814	-.01970	.00000	-.08790	.00000	.01970	.08790	.02300
.248	10.995	-.02950	-.01020	-.11730	.00000	.01930	.11730	.02300
.247	13.188	-.02950	-.02040	-.03910	.00000	.00910	.03910	.04610
.247	16.392	-.00980	.03000	-.05860	.00000	.03980	.05860	.01150
.246	18.591	.00000	.00000	-.12700	.00000	.00000	.12700	.06910
	GRADIENT	.00702	.00713	-.01394	.00303	.00011	.01697	-.03357

ARC 218-1-12 OA101 (OV102) (D2Q075) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	7.500	RUDDER =	.000
RN/L =	5.000		

RUN NO. 287/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.248	-7.739	.00000	-.04080	-.04890	.00850	-.04080	.05740	.06910
.248	-5.536	-.02950	-.03060	-.03910	.01700	-.00110	.05610	.10370
.248	-.090	-.00980	-.03060	-.00980	.01700	-.02080	.02680	.00000
.248	2.691	-.01970	-.01020	-.04890	.00850	.00950	.05740	.10370
.248	5.489	-.01970	-.01020	-.08790	.01700	.00950	.10490	.08060
.248	7.131	.00000	.01000	-.07820	.00850	.01000	.08670	.05760
.248	8.815	-.03930	.00000	-.08790	.01700	.03930	.10490	.10370
.248	11.030	-.00980	.01000	-.09770	.00850	.01980	.10620	.09220
.248	13.216	-.00980	.00000	-.07820	.00850	.00980	.08670	.01150
.247	16.399	-.03930	.00000	-.08790	.01700	.03930	.10490	.08060
.248	18.434	-.04910	-.01020	-.05860	.00850	.03890	.06710	.04610
	GRADIENT	-.00356	.00734	-.01406	-.00306	.01090	.01100	.03729

ARC 218-1-12 OA101 (OV102) (D2Q076) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	7.500	RUDDER =	.000
RN/L =	5.000		

RUN NO. 289/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.254	-6.172	-.00980	.02000	-.05860	.00000	.02980	.05860	.03460
.255	-4.161	-.01970	.01000	-.03910	.00000	.02970	.03910	.09220
.254	-2.107	-.02950	.02000	-.07820	.00000	.04950	.07820	.02300
.255	-1.044	-.02950	.03000	-.02930	.00000	.05950	.02930	.00000
.255	-.235	-.02950	.01000	-.06840	.00000	.03950	.06840	.12670
.255	.608	-.00980	.01000	-.12700	.00000	.01980	.12700	.04610
.255	1.073	-.02950	.02000	-.05860	.00000	.04950	.05860	.00000
.254	2.099	-.01970	.01000	-.00980	-.01150	.02970	-.00170	.08060
.254	3.159	-.01970	.01000	-.09770	.00000	.02970	.09770	.11520
.254	4.151	-.01970	.01000	-.09770	-.01150	.02970	.08620	.03460
.254	6.208	-.01970	.00000	-.01950	-.01150	.01970	.00800	.02300
.255	8.217	-.00980	.01000	-.07820	.00000	.01980	.07820	.03460
.254	10.221	-.02950	.01000	-.07820	-.01150	.03950	.06670	.09220
	GRADIENT	.00074	-.00086	-.00480	-.00115	-.00160	.00365	.00071

ARC 218-1-12 OA101 (OV102) (D2Q077) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	7.500	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 290/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.254	-6.214	-.00980	.01000	-.10750	.00000	.01980	.10750	-6.07190
.254	-4.164	-.00980	.02000	-.06840	-.01150	.02980	.05690	-6.01050
.254	-2.069	-.00980	.01000	-.03910	-.01150	.01980	.02760	-6.04810
.254	-1.046	-.01970	.01000	-.05860	.00000	.02970	.05860	-6.03560
.254	-.216	-.00980	.02000	-.06840	-.01150	.02980	.05690	-6.06010
.253	.608	.01070	.01000	-.02930	-.01150	-.00070	.01780	-6.06010
.254	1.075	.00000	.00000	-.02930	-.01150	.00000	.01780	-6.06010
.254	2.100	.01070	.00000	-.05860	.00000	-.01070	.05860	-6.07190
.254	3.157	.01070	.00000	-.05860	.00000	-.01070	.05860	-6.09560
.254	4.131	.01070	.00000	-.07820	.00000	-.01070	.07820	-6.03560
.254	6.200	.01070	-.01020	-.02930	.00850	-.02090	.03780	-6.09560
.254	8.231	.01070	.00000	-.10750	.00000	-.01070	.10750	-6.08370
.254	10.212	.00000	.00000	-.08790	.00000	.00000	.08790	-6.01050
	GRADIENT	.00356	-.00259	-.00082	.00143	-.00615	.00225	-.00585

ARC 218-1-12 OA101 (OV102) (D2Q078) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	7.500	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 288/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.249	-7.919	-.00980	.01000	-.06840	.00850	.01980	.07690	-6.06010
.249	-5.500	-.00980	.03000	-.00980	.00850	.03980	.01830	-6.10750
.249	-.123	.00000	.01000	.01060	.00850	.01000	-.00210	-6.08370
.249	2.691	-.01970	.03000	-.07820	.00850	.04970	.08670	-6.04810
.249	5.615	-.00980	.02000	-.04890	.00850	.02980	.05740	-6.10750
.253	7.109	-.01970	.03000	.01060	.01700	.04970	.00640	-6.10750
.254	8.796	-.01970	.01000	-.01950	.00850	.02970	.02800	-6.13120
.253	13.213	-.03930	.01000	-.05860	.00000	.04930	.05860	-6.03560
.252	16.402	-.05900	.02000	-.05860	.00850	.07900	.06710	-6.09560
.253	18.656	-.06880	-.01020	-.10750	.00850	.05860	.11600	-6.07190
	GRADIENT	-.00700	.00711	-.03155	-.00000	.01411	.03155	.01265

ARC 218-1-12 OA101 (OV102) (D20'79) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	7.500
RN/L =	5.000		

RUN NO. 291/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-22.949	.03200	.00000	-.04890	.00850	-.03200	.05740	-27.28800
.254	-18.000	.01070	.01000	.02120	.00850	-.00070	-.01270	-21.59600
.253	-15.130	.00000	.01000	-.02930	.00000	.01000	.02930	-18.23200
.253	-9.968	.01070	.00000	-.08790	.00000	-.01070	.08790	-12.08500
.254	-5.010	.02130	.00000	-.03910	-.03450	-.02130	.00460	-6.09560
.253	-2.497	.00000	.00000	-.09770	-.04600	.00000	.05170	-3.04110
.254	.019	.01070	.01000	-.06840	-.04600	-.00070	.02240	.02300
.253	2.565	.01070	.02000	-.05860	-.03450	.00930	.02410	3.12420
.254	5.102	.00000	.02000	-.10750	-.02300	.02000	.08450	6.20770
.254	10.089	.00000	.03000	.01060	-.02300	.03000	-.03360	12.23100
	GRADIENT	.00211	.00395	.00772	.00228	.00184	-.00544	1.21793

ARC 218-1-12 OA101 (OV102) (D2Q080) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	15.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 317/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-7.959	.00000	.04000	.00000	.00000	.04000	.00000	.09220
.253	-5.468	.00000	.06000	-.00980	.00000	.06000	.00980	.03460
.252	-.080	.00000	.06000	-.05860	.00000	.06000	.05860	.08060
.253	2.682	.00000	.06000	-.03910	.00000	.06000	.03910	.05760
.253	4.994	.00000	.09000	-.02930	.00000	.09000	.02930	.10370
.254	7.064	.01070	.08000	-.05860	.00000	.05930	.05860	.04610
.254	8.779	.01070	.06000	-.02930	.00000	.04930	.02930	.04610
.254	10.965	.00000	.07000	-.02930	.00000	.07000	.02930	.03460
.254	13.167	.00000	.08000	-.03910	.00000	.08000	.03910	.03460
.253	16.363	-.00980	.08000	-.00980	.00000	.08980	.00980	.02300
.252	18.591	.00000	.09000	-.04890	.00000	.09000	.04890	.05760
	GRADIENT	.00000	.00572	.00582	.00000	.00572	-.00582	.00414

ARC 218-1-12 OA101 (OV102) (D2Q081) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	15.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 321/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.254	-7.908	.00000	.02000	-.05860	-.01150	.02000	.04710	-5.97300
.253	-5.491	.00000	.03000	-.10750	-.02300	.03000	.08450	-6.03560
.254	-.089	.01070	.03000	-.02930	.00000	.01930	.02930	-6.01050
.253	2.641	.00000	.00000	-.05860	.00000	.00000	.05860	-5.93540
.253	5.569	-.01970	.09000	-.06840	.00000	.10970	.06840	-6.04810
.253	7.072	-.00980	.09000	-.07820	-.02300	.09980	.05520	-6.03560
.254	8.813	-.00980	.09000	-.06840	.00000	.09980	.06840	-6.06010
.253	10.995	-.02950	.10000	-.04890	.00000	.12950	.04890	-6.03560
.253	13.198	-.00980	.08000	-.08790	-.01150	.08980	.07640	-5.99800
.253	16.387	-.01970	.09000	-.05860	.00000	.10970	.05860	-6.01050
	GRADIENT	-.00392	-.01099	-.01073	.00000	-.00707	.01073	.02751

ARC 218-1-12 OA101 (OV102) (D2Q082) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 319/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.254	-6.110	-.01970	.04000	-.05860	-.01150	.05970	.04710	.10370
.254	-4.155	.00000	.06000	-.03910	.00000	.06000	.03910	.09220
.254	-2.093	.00000	.07000	-.03910	.00000	.07000	.03910	.04610
.254	-1.037	.00000	.07000	-.04890	.00000	.07000	.04890	.08060
.254	-.202	.00000	.08000	-.02930	-.02300	.08000	.00630	.11520
.254	.647	.00000	.03000	-.05860	.00000	.03000	.05860	.10370
.254	1.052	-.00980	.03000	-.08790	.00000	.03980	.08790	.05760
.253	2.090	-.01970	.03000	-.04890	-.02300	.04970	.02590	.11520
.254	3.136	-.01970	.03000	-.05860	-.03450	.04970	.02410	.05760
.254	4.137	.00000	.02000	-.05860	-.02300	.02000	.03560	.08060
.254	6.192	.00000	.03000	-.05860	.00000	.03000	.05860	.05760
.254	8.207	-.02950	.02000	-.06840	.00000	.04950	.06840	.11520
.253	10.211	.00000	.04000	-.08790	.00000	.04000	.08790	.04610
	GRADIENT	-.00173	-.00666	-.00317	-.00380	-.00493	-.00063	-.00003

ARC 218-1-12 OA101 (OV102) (D2Q083) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 15.000 RUDDER = .000
RN/L = 5.000

RUN NO. 318/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-7.766	.00000	.06000	.01060	.00000	.06000	-.01060	.04610
.255	-5.525	.00000	.04000	-.05860	.00000	.04000	.05860	.05760
.254	-.071	-.00980	.03000	-.00980	.00000	.03980	.00980	.06910
.254	2.724	.00000	.07000	-.02930	.00000	.07000	.02930	.04610
.254	5.479	.00000	.05000	-.02930	.00000	.05000	.02930	.09220
.254	7.107	.00000	.06000	-.03910	.00850	.06000	.04760	.04610
.254	8.771	.00000	.05000	-.00980	.00000	.05000	.00980	.08060
.254	11.003	.00000	.04000	-.02930	.00000	.04000	.02930	.03460
.253	13.205	.00000	.08000	-.03910	.00000	.08000	.03910	.02300
.253	16.396	.00000	.05000	-.03910	.00000	.05000	.03910	.04610
.253	18.421	.00000	.05000	-.05860	.00000	.05000	.05860	.04610
	GRADIENT	.00351	.01431	-.00698	.00000	.01080	.00698	-.00823

ARC 218-1-12 OA101 (OV102) (D2Q084) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 322/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-22.882	.00000	.02000	-.03910	.00000	.02000	.03910	-27.21200
.253	-18.011	.00000	.06000	-.05860	.00000	.06000	.05860	-21.60900
.253	-14.965	.00000	-.01020	-.04890	.00000	-.01020	.04890	-18.03700
.253	-9.978	.00000	-.01020	-.03910	.00000	-.01020	.03910	-12.09800
.253	-4.950	-.02950	.00000	-.01950	-.01150	.02950	.00800	-6.02310
.253	-2.477	-.00980	-.01020	-.04890	.00000	-.00040	.04890	-3.01670
.253	-.020	-.00980	-.02040	-.03910	.00000	-.01060	.03910	-.02400
.253	2.546	-.00980	.05000	-.02930	.00000	.05980	.02930	3.10110
.253	5.064	-.00980	.02000	-.03910	.00000	.02980	.03910	6.16160
.253	10.129	-.00980	.00000	-.06840	.00000	.00980	.06840	12.27800
	GRADIENT	.00236	.00568	-.00076	.00138	.00332	.00214	1.21727

ARC 218-1-12 OA101 (OV102) (D2Q085) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 323/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-22.863	.00000	.03000	-.00980	.00000	.03000	.00980	-27.19000
.253	-18.108	-.00980	.03000	-.04890	.00000	.03980	.04890	-21.72100
.253	-15.053	-.00980	-.01020	-.01950	.00000	-.00040	.01950	-18.14100
.253	-9.957	-.00980	.00000	-.05860	-.01150	.00980	.04710	-12.07200
.253	-4.980	-.00980	.03000	-.08790	-.01150	.03980	.07640	-6.06010
.253	-2.437	.00000	.04000	-.05860	.00000	.04000	.05860	-2.96800
.253	.076	.00000	.01000	-.06840	-.01150	.01000	.05690	.09220
.253	2.575	.00000	.02000	-.07820	.00000	.02000	.07820	3.13570
.253	5.064	-.00980	.03000	-.08790	.00000	.03980	.08790	6.16160
.253	10.129	-.00980	.01000	-.08790	-.01150	.01980	.07640	12.27800
	GRADIENT	.00117	-.00238	.00078	.00091	-.00355	.00013	1.21726

ARC 218-1-12 OA101 (OV102) (D2Q086) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 324/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-22.940	-.00980	.02000	-.01950	.00000	.02980	.01950	-27.27700
.254	-18.097	-.02950	.02000	-.05860	-.03450	.04950	.02410	-21.70900
.253	-15.082	-.02950	.02000	-.08790	-.03450	.04950	.05340	-18.17500
.253	-9.957	-.02950	.02000	-.06840	-.02300	.04950	.04540	-12.07200
.254	-4.950	-.03930	.02000	-.02930	-.02300	.05930	.00630	-6.02310
.254	-2.437	-.00980	.04000	-.06840	.00000	.04980	.06840	-2.96800
.253	.028	-.00980	.02000	-.09770	.00000	.02980	.09770	.03460
.253	2.594	-.00980	.03000	-.08790	.00000	.03980	.08790	3.15870
.253	5.045	-.02950	.02000	-.07820	.00000	.04950	.07820	6.13860
.253	10.129	-.00980	.03000	-.08790	-.01150	.03980	.07640	12.27800
	GRADIENT	.00352	.00041	-.00815	.00275	-.00311	.01089	1.21727

ARC 218-1-12 OA101 (OV102) (D2Q087) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 325/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-22.863	-.00980	.01000	-.04890	-.01150	.01980	.03740	-27.19000
.253	-18.097	.00000	.00000	-.04890	.00000	.00000	.04890	-21.70900
.252	-14.995	-.00980	.01000	-.02930	.00000	.01980	.02930	-18.07300
.252	-9.957	-.01970	.01000	-.00980	.00000	.02970	.00980	-12.07200
.253	-4.980	-.00980	.00000	-.02930	.00000	.00980	.02930	-6.06010
.252	-2.457	-.00980	.00000	-.07820	.00000	.00980	.07820	-2.99230
.253	.047	-.00980	-.04080	-.06840	.00000	-.03100	.06840	.05760
.253	2.622	.00000	-.04080	-.08790	.00000	-.04080	.08790	3.19330
.253	5.083	-.00980	.03000	-.06840	-.03450	.03980	.03390	6.18470
.252	10.080	-.01970	.05000	-.09770	-.02300	.06970	.07470	12.22000
	GRADIENT	.00117	-.00644	-.00656	.00000	-.00760	.00656	1.21726

ARC 218-1-12 OA101 (OV102) (D2Q088) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 320/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-6.206	-.00980	.06000	-.00980	.00850	.06980	.01830	-6.10750
.253	-4.141	.00000	.06000	-.09770	.00000	.06000	.09770	-6.02310
.253	-2.084	-.01970	.06000	-.01950	.00000	.07970	.01950	-5.98550
.253	-1.039	-.00980	.06000	-.06840	.00000	.06980	.06840	-5.98550
.253	-.183	-.00980	.04000	-.05860	.00850	.04980	.06710	-6.06010
.253	.602	-.00980	.06000	-.05860	.00000	.06980	.05860	-5.99800
.253	1.066	-.00980	.06000	-.08790	.00850	.06980	.09640	-5.98550
.254	4.141	-.00980	.05000	-.06840	-.02300	.05980	.04540	-5.98550
.253	6.201	.00000	.05000	-.05860	.00000	.05000	.05860	-5.99800
.253	8.191	-.00980	.05000	-.08790	-.03450	.05980	.05340	-6.06010
.253	10.209	.00000	.05000	-.07820	.00000	.05000	.07820	-6.07190
	GRADIENT	-.00049	-.00110	.00018	-.00218	-.00061	-.00236	.00325

ARC 218-1-12 OA101 (OV102) (D2Q089) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 307/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-7.995	-.00980	-.01020	-.05860	.00000	-.00040	.05860	.06910
.253	-5.505	-.01970	.00000	-.09770	.00000	.01970	.09770	.08060
.254	-.117	-.02950	.00000	-.09770	.00000	.02950	.09770	.08060
.254	2.665	-.03930	.01000	-.09770	.00000	.04930	.09770	.06910
.254	5.566	-.04910	.00000	-.08790	-.03450	.04910	.05340	.04610
.254	7.113	-.04910	.00000	-.08790	.00000	.04910	.08790	.08060
.253	8.804	-.03930	.00000	-.07820	-.02300	.03930	.05520	.05760
.253	10.991	-.04910	.00000	-.07820	.00000	.04910	.07820	.02300
.253	13.174	-.01970	.02000	-.08790	.00000	.03970	.08790	.03460
.253	16.383	-.04910	.00000	-.09770	-.02300	.04910	.07470	.02300
.252	18.617	-.04910	.02000	-.08790	-.01150	.06920	.07640	.04610
	GRADIENT	-.00352	.00359	.00000	.00000	.00712	-.00000	-.00413

ARC 218-1-12 OA101 (OV102) (D2Q090) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 315/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.202	.08540	.00000	-.01950	.00000	-.08540	.01950	.12670
.251	-4.064	.02130	.00000	-.05860	.00000	-.02130	.05860	.08060
.251	-2.040	.00000	.01000	-.03910	.00000	.01000	.03910	.11520
.251	-1.023	.01070	.00000	-.04890	.00000	-.01070	.04890	.08060
.252	-.203	.00000	.01000	-.02930	.00000	.01000	.02930	.09220
.251	.598	.00000	.01000	-.05860	.00000	.01000	.05860	.13820
.251	1.051	.00000	.01000	-.04890	.00000	.01000	.04890	.05760
.251	2.055	.00000	.00000	-.03910	.00000	.00000	.03910	.13820
.251	3.133	.00000	.00000	-.03910	.00000	.00000	.03910	.11520
.251	4.210	.02130	.00000	-.03910	.00000	-.02130	.03910	.11520
.251	6.163	.01070	.00000	-.05860	.00000	-.01070	.05860	.04610
.251	8.203	.01070	.00000	-.06840	.00850	-.01070	.07690	.11520
.250	10.213	.01070	.03000	-.05860	.00850	.01930	.06710	.04610
	GRADIENT	-.00056	-.00042	.00160	.00000	.00014	-.00160	.00419

ARC 218-1-12 OA101 (OV102) (D2Q091) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	40.000
RN/L =	5.000		

RUN NO. 316/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-22.911	.00000	.05000	-.05860	.01700	.05000	.07560	-27.24400
.251	-18.043	.00000	.04000	-.06840	.02550	.04000	.09390	-21.64600
.251	-15.024	.00000	.03000	.01060	.00000	.03000	-.01060	-18.10700
.251	-10.010	.00000	.04000	-.02930	.00000	.04000	.02930	-12.13600
.251	-4.929	.01070	.05000	-.08790	.00000	.03930	.08790	-5.99800
.251	-2.437	.00000	.03000	-.08790	.00000	.03000	.08790	-2.96800
.251	.047	.01070	.01000	-.06840	.00000	-.00070	.06840	.05760
.252	2.575	.00000	.02000	-.05860	.00000	.02000	.05860	3.13570
.253	5.092	.01070	.02000	-.05860	.00850	.00930	.06710	6.19620
.254	10.138	.00000	.03000	-.08790	.00000	.03000	.08790	12.29000
	GRADIENT	-.00086	-.00439	.00430	.00000	-.00353	-.00430	1.21728

ARC 218-1-12 OA101 (OV102) (D20092) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 314/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-6.052	.04270	.03000	-.03910	.00850	-.01270	.04760	-6.06010
.253	-4.141	.01070	.01000	-.02930	.00000	-.00070	.02930	-6.06010
.253	-2.044	.00000	.02000	-.09770	.00850	.02000	.10620	-6.02310
.253	-1.002	-.02950	.00000	-.03910	.00000	.02950	.03910	-6.03560
.253	-.184	.03200	.02000	-.05860	.00850	-.01200	.06710	-5.98550
.252	.579	.01070	.08000	-.07820	.01700	.06930	.09520	-5.99800
.252	1.015	-.00980	.00000	-.05860	.00850	.00980	.06710	-6.03560
.253	2.072	.00000	.05000	-.08790	.00850	.05000	.09640	-6.09560
.252	3.185	.01070	.03000	.01060	.00850	.01930	-.00210	-6.07190
.252	4.121	-.02950	.11000	-.06840	.00000	.13950	.06840	-5.99800
.252	6.186	.01070	.03000	-.03910	.00000	.01930	.03910	-6.14300
.252	8.206	-.00980	-.03060	-.00980	.00000	-.02080	.00980	-6.03560
.252	10.185	.01070	.06000	-.04890	.00850	.04930	.05740	-5.92290
	GRADIENT	-.00205	.00903	.00072	.00038	.01108	-.00034	-.00006

ARC 218-1-12 OA101 (OV102) (D2Q093) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 313/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.254	-7.981	.00000	.02000	-.10750	.00850	.02000	.11600	-5.99800
.253	-5.524	.00000	.01000	-.09770	.00000	.01000	.09770	-6.02310
.253	-.129	.00000	.05000	-.06840	.00850	.05000	.07690	-5.99800
.254	2.670	-.02950	.03000	-.05860	.00850	.05950	.06710	-5.96040
.253	5.551	.01070	.00000	-.08790	.00850	-.01070	.09640	-6.03560
.253	7.054	.01070	.00000	-.08790	.00000	-.01070	.08790	-6.03560
.252	8.760	.01070	.00000	-.02930	.00850	-.01070	.03780	-6.02310
.252	10.953	.01070	.06000	-.04890	.00000	.04930	.04890	-6.02310
.252	13.173	.00000	.05000	-.04890	.00850	.05000	.05740	-6.03560
.251	16.365	.01070	.00000	-.05860	.00000	-.01070	.05860	-6.06010
.249	18.586	.00000	.06000	-.02930	.00000	.06000	.02930	-6.03560
	GRADIENT	-.01054	-.00714	.00350	.00000	.00339	-.00350	.01343

ARC 218-1-12 OA101 (OV102) (D2Q094) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 308/ 0 RN/L = 5.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-7.802	-.03930	-.04080	-.07820	-.01150	-.00150	.06670	.13820
.253	-5.613	-.04310	-.03060	-.12700	-.01150	.01850	.11550	.04610
.253	-.094	-.03930	-.05100	-.09770	.00000	-.01170	.09770	.05760
.253	2.677	-.05900	-.02040	-.08790	.00850	.03860	.09640	.08060
.253	5.472	-.04910	-.03060	-.05860	.00000	.01850	.05860	.08060
.253	7.110	-.07860	-.05100	-.08790	-.04600	.02760	.04190	.04610
.253	8.778	-.04910	-.05100	-.07820	-.03450	-.00190	.04370	.06910
.253	11.014	-.04910	-.04080	-.07820	-.03450	.00830	.04370	.05760
.253	13.219	-.03930	-.05100	-.06840	-.02300	-.01170	.04540	.04610
.252	16.399	-.03930	-.04080	-.08790	-.02300	-.00150	.06490	.02300
.252	18.460	-.02950	-.06120	-.07820	.00000	-.03170	.07820	.04610
	GRADIENT	-.00711	.01104	.00354	.00307	.01815	-.00047	.00830

ARC 218-1-12 0A101 (0V102) (D2Q095) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 285/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-7.941	.00000	.00000	-.08790	.02550	.00000	.11340	.03460
.253	-5.541	-.00980	-.01020	.01060	.02550	-.00040	.01490	.08060
.254	-.150	-.00980	-.01020	.01060	.01700	-.00040	.00640	.03460
.254	2.630	.00000	.00000	-.07820	.01700	.00000	.09520	.11520
.253	5.591	.00000	-.02040	-.01950	.02550	-.0204[illegible]	.04500	.02300
.253	7.106	-.01970	-.02040	-.01950	.02550	-.0007[illegible]	.04500	.09220
.253	8.800	-.00980	-.02040	-.01950	.02550	-.01060	.04500	.08060
.253	10.981	-.00980	-.02040	-.08790	.02550	-.01060	.11340	.04610
.253	13.184	-.02950	-.01020	.01060	.01700	.01930	.00640	.04610
.252	16.376	.01070	-.03060	-.00980	.01700	-.04130	.02680	.04610
.251	18.623	.00000	-.04080	-.05860	.01700	-.04080	.07560	.03460
	GRADIENT	.00353	.00367	-.03194	.00000	.00014	.03194	.02899

ARC 218-1-12 0A101 (0V102) (D2Q096) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 273/ 0 RN/L = 7.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-8.141	.00000	.03000	-.12700	.00850	.03000	.13550	.17280
.253	-5.598	.00000	.01000	-.03910	.00850	.01000	.04760	.01150
.252	-.153	-.00980	.00000	-.09770	.00000	.00980	.09770	.03460
.253	2.675	.00000	.03000	-.05860	.00000	.03000	.05860	.01150
.253	5.631	-.02950	.02000	-.03910	.00850	.04950	.04760	.02300
.253	7.257	-.04910	.03000	-.03910	.00000	.07920	.03910	.02300
.252	8.946	-.00980	.03000	-.10750	.00850	.03980	.11600	.01150
.252	11.161	-.00980	.03000	-.10750	.00850	.03980	.11600	.04610
.252	13.412	.00000	.00000	-.05860	.01700	.00000	.07560	-.01200
.252	16.666	-.03930	.02000	-.07820	.00000	.05930	.07820	.13820
.252	18.914	-.02950	.03000	-.10750	.04250	.05950	.15000	.11520
	GRADIENT	.00346	.01061	.01382	.00000	.00714	-.01382	-.00817

ARC 218-1-12 OA101 (OV102) (D2Q097) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 279/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-6.329	-.00980	.00000	-.05860	.00850	.00980	.06710	.05760
.254	-4.271	-.02950	-.08160	-.00980	.00850	-.05210	.01830	-.03610
.253	-2.106	-.00980	.01000	-.05860	.00850	.01980	.06710	.11520
.253	-1.070	.00000	.00000	.02120	.00000	.00000	-.02120	.03460
.253	.006	-.00980	.01000	-.01950	.00850	.01980	.02800	.01150
.253	.530	.00000	.01000	-.08790	.00850	.01000	.09640	.01150
.253	1.065	-.00980	.00000	-.06840	.01700	.00980	.08540	.04610
.253	2.118	.00000	.06000	-.16610	.02550	.06000	.19160	.06910
.253	3.148	-.03930	.01000	.02120	.01700	.04930	-.00420	.03460
.254	4.200	.00000	.04000	-.05860	.01700	.04000	.07560	.11520
.254	6.283	-.02950	.01000	-.07820	.02550	.03950	.10370	.01150
.253	8.226	-.01970	.06000	-.02930	.02550	.07970	.05480	-.13220
.253	10.282	.00000	.04000	-.07820	.00850	.04000	.08670	.00000
	GRADIENT	.00093	.01139	-.00603	.00184	.01046	.00788	.00909

ARC 218-1-12 OA101 (OV102) (D2Q098) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 274/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-6.213	-.01970	.03000	-.02930	.00000	.04970	.02930	.08060
.253	-4.225	-.01970	.03000	-.05860	.00000	.04970	.05860	-.03610
.253	-2.130	-.01970	.04000	-.08790	.00000	.05970	.08790	.08060
.252	-1.068	.00000	.03000	-.08790	.00000	.03000	.08790	.10370
.252	-.247	.00000	.02000	-.03910	.00000	.02000	.03910	.03460
.252	.633	.00000	.03000	-.05860	.00000	.03000	.05860	.05760
.252	1.104	.00000	.02000	-.06840	.00000	.02000	.06840	.08060
.252	2.129	.01070	.03000	-.03910	.00000	.01930	.03910	.04610
.252	3.193	-.00980	.02000	-.08790	.00000	.02980	.08790	-.02400
.252	4.202	-.01970	.02000	-.04890	.00000	.03970	.04890	-.02400
.252	6.259	.00000	.00000	-.10750	.00000	.00000	.10750	-.01200
.252	8.305	.00000	.02000	-.05860	.00000	.02000	.05860	.00000
.252	10.292	.00000	.00000	-.01950	.00850	.00000	.02800	.06910
	GRADIENT	.00102	-.00164	.00154	.00000	-.00265	-.00154	-.00391

ARC 218-1-12 OA101 (OV102) (D2Q099) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 280/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-6.561	-.00980	.00000	-.11730	.02550	.00980	.14280	.10370
.253	-4.476	-.03930	.03000	-.05860	.01700	.06930	.07560	.02300
.253	-2.034	-.03930	.03000	-.00980	.02550	.06930	.03530	.10370
.252	-1.128	-.04910	.03000	-.15630	.01700	.07920	.17330	.00000
.253	-.018	-.11800	.07000	-.00980	.02550	.18800	.03530	.01150
.253	.475	-.04910	.02000	-.01950	.02550	.06920	.04500	.03460
.253	.981	-.04910	.05000	.02120	.02550	.09920	.00430	-.03610
.252	2.156	-.06880	.03000	-.00980	.05100	.09880	.06080	-.03610
.253	3.169	-.03930	.00000	.08480	.06800	.03930	-.01680	-.09620
.253	4.170	-.03930	-.05100	.07420	.06800	-.01170	-.00620	.05760
.253	6.207	-.04910	.04000	-.07820	.06800	.08920	.14620	.04610
.253	8.296	-.02950	.00000	-.13680	.00850	.02950	.14530	.14980
.252	10.253	.00000	-.04080	-.04890	.00000	-.04080	.04890	-.31250
	GRADIENT	-.00026	-.00689	.01840	.00661	-.00663	-.01178	-.00867

ARC 218-1-12 OA101 (OV102) (D2Q0A0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 281/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.000	.00000	-.04080	-.13680	.00850	-.04080	.14530	.21890
.252	-3.912	.00000	.00000	-.02930	.00000	.00000	.02930	.05760
.252	-2.066	-.02950	-.01020	-.09770	.00850	.01930	.10620	.02300
.252	.006	-.01970	-.06120	-.06840	.00850	-.04160	.07690	.01150
.252	2.124	.01070	.00000	-.12700	.00850	-.01070	.13550	.06910
.252	4.048	.00000	-.03060	-.04890	.00000	-.03060	.04890	.01150
.251	6.083	.01070	-.02040	-.11730	.00000	-.03110	.11730	-.04810
.252	7.367	.00000	-.03060	-.06840	.00850	-.03060	.07690	.01150
	GRADIENT	.00210	-.00245	-.00338	-.00001	-.00455	.00337	-.00214

ARC 218-1-12 OA101 (OV102) (D2Q0A1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 275/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-7.948	.01070	.02000	-.00980	.03400	.00930	.04380	.05760
.252	-5.723	.00000	.00000	-.03910	.04250	.00000	.08160	.04610
.252	-.125	.00000	.00000	-.14660	.00850	.00000	.15510	.04610
.252	2.687	-.00980	.00000	-.05860	.00000	.00980	.05860	.13820
.251	5.532	-.00980	.00000	-.07820	.00000	.00980	.07820	.10370
.252	7.213	.00000	.00000	-.05860	.00850	.00000	.06710	.09220
.252	8.936	-.00980	-.05100	-.02930	.00850	-.04120	.03780	.04610
.252	11.180	.00000	.00000	-.12700	.00000	.00000	.12700	-.03610
.252	13.416	-.00980	-.01020	-.08790	.00000	-.00040	.08790	-.04810
.251	16.695	.00000	.00000	-.00980	.00000	.00000	.00980	.11520
.250	18.746	-.02950	.03000	-.00980	.00000	.05950	.00980	.03460
	GRADIENT	-.00349	.00000	.03130	-.00302	.00349	-.03433	.03276

ARC 218-1-12 OA101 (OV102) (D2Q0A2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 282/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-22.930	.00000	-.03060	-.07820	.00850	-.03060	.08670	-7.26600
.252	-18.065	.00000	.00000	-.02930	.00850	.00000	.03780	-21.67100
.253	-15.082	-.03930	.00000	-.07820	.00850	.03930	.08670	-18.17500
.253	-10.063	.00000	.00000	-.07820	.01700	.00000	.09520	-12.19900
.253	-4.929	-.00980	-.05100	.01060	.00000	-.04120	-.01060	-5.99800
.253	-2.387	-.02950	.00000	-.05860	.00000	.02950	.05860	-2.90710
.253	.028	-.00980	-.01020	-.00980	.00850	-.00040	.01830	.03460
.253	2.622	.04270	-.05100	.04240	.00000	-.09370	-.04240	3.19330
.252	5.064	.02130	.00000	-.14660	.00850	-.02130	.15510	6.16160
.252	10.060	.03200	-.04080	.02120	.00850	-.07280	-.01270	12.19600
	GRADIENT	.00709	-.00043	.00575	.00032	-.00752	-.00542	1.21728

ARC 218-1-12 OA101 (OV102) (D2Q0A3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 272/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-22.959	.00000	.05000	-.01950	.00850	.05000	.02800	-27.29900
.252	-18.151	.00000	.01000	-.06840	.00850	.01000	.07690	-21.77200
.253	-15.005	.00000	.00000	-.06840	.00850	.00000	.07690	-18.08500
.253	-9.999	.01070	.03000	-.00980	.00850	.01930	.01830	-12.12300
.253	-4.878	.01070	.05000	-.05860	.00850	.03930	.06710	-5.93540
.252	-2.497	.00000	.05000	-.01950	.02550	.05000	.04500	-3.04110
.253	.019	.00000	.02000	-.00980	.02550	.02000	.03530	.02300
.253	2.565	.00000	.03000	-.00980	.00000	.03000	.00980	3.12420
.252	5.016	.00000	.03000	-.02930	.00000	.03000	.02930	6.10400
.252	10.089	.00000	.02000	-.07820	.00000	.02000	.07820	12.23100
	GRADIENT	-.00128	-.00362	.00623	-.00108	-.00234	-.00731	1.21731

ARC 218-1-12 OA101 (OV102) (D2Q0A4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 283/ 0 RN/L = 7.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-23.016	.00000	-.03060	-.03910	.01700	-.03060	.05610	-27.36400
.252	-17.937	.00000	.03000	-.09770	.00850	.03000	.10620	-21.52300
.252	-15.034	.00000	-.03060	.02120	.00850	-.03060	-.01270	-18.11900
.252	-9.957	.00000	-.03060	-.03910	.00000	-.03060	.03910	-12.07200
.252	-4.960	.01070	-.02040	-.07820	.00850	-.03110	.08670	-6.03560
.252	-2.467	.03200	-.01020	-.13680	.00850	-.04220	.14530	-3.00450
.252	-.010	-.03930	.00000	-.01950	.00000	.03930	.01950	-.01200
.252	2.537	.00000	-.01020	-.00980	.00850	-.01020	.01830	3.08960
.252	5.111	-.04910	-.05100	-.15630	.01700	-.00190	.17330	6.21920
.252	9.992	.00000	-.02040	-.08790	.00000	-.02040	.08790	12.11400
	GRADIENT	-.00410	.00162	.01290	-.00033	.00572	-.01323	1.21727

ARC 218-1-12 OA101 (OV102) (D2Q0A5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 284/ 0 RN/L = 7.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-22.930	.00000	-.01020	.07420	.02550	-.01020	-.04970	-27.26600
.253	-17.968	-.01970	.03000	-.16610	.04250	.04970	.20860	-21.55900
.253	-15.072	.00000	.03000	.10610	.04250	.03000	-.06360	-18.16400
.253	-9.999	-.00980	.01000	-.08790	.05100	.01980	.13890	-12.12300
.253	-4.929	-.00980	.00000	.02120	.04250	.00980	.02130	-5.99800
.253	-2.497	-.00980	.04000	-.02930	.04250	.04980	.07180	-3.04110
.253	.028	.00000	.02000	-.10750	.04250	.02000	.15000	.03460
.253	2.508	-.01970	.00000	-.03910	.04250	.01970	.08160	3.05500
.253	5.045	-.00980	-.01020	-.07820	.04250	-.00040	.12070	6.13860
.253	10.089	.00000	.04000	-.10750	.00850	.04000	.11600	12.23100
	GRADIENT	-.00080	-.00084	-.01042	-.00000	-.00004	.01042	1.21729

ARC 218-1-12 OA101 (OV102) (D2Q0A6) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 276/ 0 RN/L = 7.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-8.132	.00000	.01000	-.00980	.00000	.01000	.00980	-6.06010
.252	-5.619	.00000	.04000	-.16610	.00850	.04000	.17460	-6.08370
.252	-.150	-.00980	.03000	-.04890	.00850	.03980	.05740	-6.04810
.252	2.658	.00000	.03000	-.07820	.00000	.03000	.07820	-5.96040
.251	5.653	-.01970	-.02040	-.03910	.00850	-.00070	.04760	-6.01050
.252	7.198	-.01970	-.05100	-.04890	.00000	-.03140	.04890	-6.02310
.252	8.940	-.03930	-.01020	-.06840	.00000	.02910	.06840	-6.03560
.252	11.179	-.05900	.00000	-.01950	.01700	.05900	.03650	-5.99800
.251	13.396	-.02950	-.02040	-.05860	.00000	.00910	.05860	-6.10750
.251	16.689	-.02950	-.07140	-.03910	.00000	-.04190	.03910	-5.87280
.250	18.932	-.01970	-.05100	.01060	.00000	-.03140	-.01060	-6.06010
	GRADIENT	.00349	-.00000	-.01043	-.00303	-.00349	.00741	.03123

ARC 218-1-12 OA101 (OV102) (D2Q0A7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 277/ 0 RN/L = 7.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-6.209	-.02950	.01000	-.05860	-.01150	.03950	.04710	-5.93540
.251	-4.218	-.04910	.00000	.01060	-.01150	.04910	-.02210	-5.91040
.252	-2.116	-.03930	.05000	-.08790	-.01150	.08930	.07640	-5.81020
.251	-1.071	-.01970	.02000	-.02930	-.01150	.03970	.01780	-5.91040
.251	-.246	-.00980	.00000	-.00980	-.02300	.00980	-.01320	-5.86030
.252	.606	-.00980	.03000	-.00980	-.02300	.03980	-.01320	-6.23780
.251	1.076	-.01970	.02000	.04240	-.02300	.03970	-.06540	-6.10750
.251	2.123	-.01970	.01000	-.03910	-.01150	.02970	.02760	-5.96040
.251	3.205	-.00980	.01000	-.06840	-.01150	.01980	.05690	-5.93540
.251	4.230	.00000	.00000	-.02930	-.02300	.00000	.00630	-6.07190
.251	6.253	-.00980	.01000	-.13680	-.03450	.01980	.10230	-6.06010
.251	8.407	.01070	.01000	-.11730	.00000	-.00070	.11730	-6.08370
.250	10.282	-.00980	.03000	.01060	.00000	.03980	-.01060	-6.06010
	GRADIENT	.00505	-.00160	-.00219	-.00083	-.00665	.00136	-.02241

ARC 218-1-12 OA101 (OV102) (D2Q0A8) (01 FEB 78)

PEFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-22.800
RN/L =	8.000		

RUN NO. 278/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.316	-.01970	.01000	.05300	.00000	.02970	-.05300	-27.16800
.251	-4.246	.00000	.03000	-.04890	.00000	.03000	.04890	-27.28800
.251	-2.120	-.00980	.01000	.01060	.00000	.01980	-.01060	-27.19000
.252	-1.099	.00000	-.03060	-.02930	.00000	-.03060	.02930	-27.07000
.253	-.197	.01070	.02000	.03180	.00000	.00930	-.03180	-27.11400
.253	.602	-.00980	.00000	-.13680	.00000	.00980	.13680	-27.25500
.254	1.090	-.01970	.00000	-.05860	.00000	.01970	.05860	-27.22200
.253	2.136	-.00980	.05000	-.01950	.00850	.05980	.02800	-27.24400
.253	3.182	-.03930	.01000	-.03910	.00000	.04930	.03910	-27.13500
.253	4.227	.00000	-.01020	-.13680	.00000	-.01020	.13680	-27.25500
.253	6.247	.00000	.00000	-.02930	.00000	.00000	.02930	-27.07000
.253	8.316	-.07860	-.01020	-.12700	.00850	.06840	.13550	-27.08100
.253	10.281	-.00980	-.04080	.01060	.00850	-.03100	-.00210	-27.16800
	GRADIENT	-.00219	-.00097	-.00903	.00026	.00122	.00930	.00009

ARC 218-1-12 OA101 (OV102) (D2Q0A9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 326/ 0 RN/L = 5.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-7.939	.01070	.03000	-.08790	.00850	.01930	.09640	.04610
.253	-5.510	.01070	.02000	-.08790	.00850	.00930	.09640	.08060
.254	-.111	.01070	.04000	-.05860	.00000	.02930	.05860	.04610
.254	2.663	.01070	.02000	-.08790	.00850	.00930	.09640	.03460
.253	5.547	.00000	.02000	-.03910	.00850	.02000	.04760	.06910
.253	7.125	.00000	.02000	-.09770	.02550	.02000	.12320	.04610
.253	8.757	.00000	.01000	-.07820	.01700	.01000	.09520	.06910
.253	10.967	.00000	.02000	-.05860	.02550	.02000	.08410	.11520
.253	13.161	-.00980	.01000	-.03910	.02550	.01980	.06460	.06910
.252	16.354	-.02950	.03000	-.04890	.02550	.05950	.07450	.08060
.252	18.571	-.02950	.04000	-.07820	.02550	.06950	.10370	.06910
	GRADIENT	.00000	-.00721	-.01056	.00306	-.00721	.01362	-.00415

ARC 218-1-12 OA101 (OV102) (D2Q0B0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 5.000

RUN NO. 330/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-6.212	.00000	.07000	-.05860	.02550	.07000	.08410	.04610
.252	-4.162	-.01970	.05000	-.01950	.01700	.06970	.03650	.09220
.252	-2.076	.00000	.05000	-.06840	.02550	.05000	.09390	.04610
.252	-1.060	.00000	.06000	-.09770	.00850	.06000	.10620	.02300
.252	-.201	-.00980	.04000	-.06840	.00850	.04980	.07690	.10370
.252	.581	.00000	.01000	-.00980	.00000	.01000	.00980	.09220
.252	1.053	-.02950	.04000	-.05860	.00850	.06950	.06710	.09220
.252	2.071	.00000	.07000	-.04890	.00000	.07000	.04890	.05760
.252	3.137	-.00980	.05000	.01060	.01700	.05980	.00640	.02300
.252	4.157	.00000	.04000	-.05860	.00000	.04000	.05860	-.01200
.252	6.202	-.01970	.06000	-.04890	.00850	.07970	.05740	.02300
.252	8.194	-.00980	.06000	-.13680	.00850	.06980	.14530	.04610
.252	10.209	-.02950	.06000	-.05860	.00850	.08950	.06710	.06910
	GRADIENT	.00090	-.00050	.00229	-.00194	-.00140	-.00423	-.00799

ARC 218-1-12 OA101 (OV102) (D2Q0B1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 5.000

RUN NO. 331/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-18.065	.00000	.08000	-.08790	.00850	.08000	.09640	-21.67100
.252	-15.072	.00000	.06000	-.14660	.00000	.06000	.14660	-18.16400
.252	-9.989	.00000	.06000	-.07820	.00850	.06000	.08670	-12.11000
.252	-4.939	-.00980	.09000	-.03910	.00000	.09980	.03910	-6.01050
.252	-2.427	.00000	.08000	-.02930	.00850	.08000	.03780	-2.95580
.251	.151	-.00980	.08000	-.05860	.00000	.08980	.05860	.18430
.252	2.518	.00000	.09000	-.01950	.01700	.09000	.03650	3.06660
.251	5.111	.00000	.08000	-.05860	.01700	.08000	.07560	6.21920
.251	10.187	.00000	.05000	-.08790	.02550	.05000	.11340	12.34900
	GRADIENT	.00077	-.00002	.00110	.00167	-.00079	.00057	1.21727

ARC 218-1-12 OA101 (OV102) (D2Q0B2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 329/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-6.132	.00000	.03000	-.02930	.02550	.03000	.05480	-5.99800
.252	-4.158	.00000	.01000	-.10750	.01700	.01000	.12450	-6.04810
.252	-2.060	-.00980	.01000	-.07820	.01700	.01980	.09520	-6.07190
.252	-1.039	.00000	.03000	.01060	.01700	.03000	.00640	-6.07190
.252	-.183	-.00980	.02000	.00000	.02550	.02980	.02550	-6.07190
.252	.597	.00000	.05000	-.02930	.02550	.05000	.05480	-6.01050
.252	1.087	-.02950	.08000	-.07820	.00000	.10950	.07820	-5.93540
.252	2.073	.00000	.05000	-.08790	.02550	.05000	.11340	-6.06010
.252	3.115	.00000	.03000	-.03910	.02550	.03000	.06460	-6.06010
.252	4.122	-.02950	.09000	-.02930	.00850	.11950	.03780	-6.13120
.252	6.166	.00000	.05000	-.06840	.00850	.05000	.07690	-6.01050
.252	8.043	-.00980	.03000	-.00980	.02550	.03980	.03530	-6.11930
.252	10.189	-.00980	.06000	-.03910	.01700	.06980	.05610	-6.11930
	GRADIENT	-.00187	.00822	.00452	-.00017	.01009	-.00469	-.00317

ARC 218-1-12 OA101 (OV102) (D2Q0B3) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 328/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-7.931	-.01970	.03000	-.02930	.01700	.04970	.04630	-6.07190
.252	-5.514	-.00980	.02000	-.03910	.01700	.02980	.05610	-5.98550
.253	-.122	.00000	.03000	-.00980	.00850	.03000	.01830	-6.02310
.252	2.635	-.01970	.03000	-.08790	.01700	.04970	.10490	-6.02310
.253	5.560	-.02950	.05000	.02120	.02550	.07950	.00430	-5.98550
.252	7.073	-.00980	.02000	-.07820	.02550	.02980	.10370	-6.01050
.253	8.754	-.02950	.00000	-.03910	.02550	.02950	.06460	-6.08370
.253	10.939	-.00980	.00000	-.04890	.02550	.00980	.07440	-6.03560
.252	13.123	-.00980	.01000	.00000	.02550	.01980	.02550	-5.99800
.251	16.287	.00000	.01000	-.03910	.02550	.01000	.06460	-6.09560
.251	18.536	.00000	.00000	-.05860	.02550	.00000	.08410	-6.02310
	GRADIENT	-.00715	.00000	-.02834	.00308	.00715	.03142	.00000

ARC 218-1-12 OA101 (OV102) (D2Q0B4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 327/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-7.827	.00000	.03000	.02120	.01700	.03000	-.00420	.08060
.253	-5.549	.00000	.02000	-.10750	.01700	.02000	.12450	.03460
.253	-.088	.00000	.02000	-.00980	.01700	.02000	.02680	.05760
.252	2.646	.00000	.02000	-.02930	.01700	.02000	.04630	.02300
.252	5.451	.00000	.01000	.01060	.02550	.01000	.01490	.11520
.252	7.082	.00000	.01000	-.04890	.02550	.01000	.07440	.02300
.253	10.961	-.01970	.02000	.00000	.02550	.03970	.02550	.05760
.252	13.166	-.00980	.02000	.00000	.02550	.02980	.02550	.06910
.252	16.356	.00000	.01000	-.05860	.02550	.01000	.08410	.06910
.251	18.423	-.00980	.00000	-.03910	.02550	.00980	.06460	.09220
	GRADIENT	.00000	-.00000	-.00713	.00000	-.00000	.00713	-.01265

ARC 218-1-12 OA101 (OV102) (D2Q085) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 5.000

RUN NO. 306/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-8.018	.00000	.00000	-.08790	.03400	.00000	.12190	.10370
.254	-5.564	.00000	-.01020	-.08790	.00000	-.01020	.08790	.02300
.254	-.164	.00000	-.01020	-.05860	.00000	-.01020	.05860	-.01200
.255	2.632	.00000	-.02040	-.08790	.00000	-.02040	.08790	.04610
.255	5.540	.00000	-.03060	-.07820	.00850	-.03060	.08670	.05760
.255	7.078	-.00980	-.05100	-.08790	.00000	-.04120	.08790	.03460
.254	8.757	.00000	-.04080	-.08790	.01700	-.04080	.10490	.02300
.255	10.956	.00000	-.03060	-.10750	-.01150	-.03060	.09600	.05760
.254	13.157	.00000	-.03060	-.08790	.00000	-.03060	.08790	.02300
.253	16.349	-.00980	-.05100	-.10750	.00000	-.04120	.10750	.01150
.253	18.592	.00000	-.04080	-.07820	.00850	-.04080	.08670	.02300
	GRADIENT	.00000	-.00365	-.01048	.00000	-.00365	.01048	.02078

ARC 218-1-12 OA101 (OV102) (D2Q086) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 292/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-8.129	-.03930	.00000	-.14660	.02550	.03930	.17210	-.04810
.253	-5.666	-.03930	.01000	-.00980	.01700	.04930	.02680	.02300
.252	-.164	-.05900	.01000	-.11730	.01700	.06900	.13430	.04610
.253	2.665	-.03930	.00000	-.09770	.00850	.03930	.10620	.03460
.253	5.591	-.03930	.01000	-.12700	.00000	.04930	.12700	.04610
.253	7.165	-.05900	.00000	-.13680	.00000	.05900	.13680	.04610
.252	8.909	-.05900	.06000	-.10750	.00850	.11900	.11600	.01150
.252	11.134	-.03930	.02000	-.08790	.00850	.05930	.09640	.05760
.251	13.344	-.03930	.01000	-.10750	.00850	.04930	.11600	.02300
.251	16.597	-.01970	.00000	-.10750	.01700	.01970	.12450	.02300
.250	18.870	-.06880	.06000	-.07820	.00850	.12880	.08670	.19580
	GRADIENT	.00696	-.00353	.00693	-.00300	-.01050	-.00993	-.00406

ARC 218-1-12 0A101 (0V102) (D200B7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 298/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-7.962	-.04910	-.01020	-.14660	-.01150	.03890	.13510	.31100
.251	-5.646	-.00980	-.01020	-.23450	.00000	-.00040	.23450	.05760
.254	-.122	-.01970	.00000	-.09770	-.01150	.01970	.08620	.02300
.253	2.708	-.03930	.00000	-.13680	-.01150	.03930	.12530	-.01200
.253	5.521	-.04910	-.03060	-.06840	-.01150	.01850	.05690	-.08410
.253	7.212	-.01970	-.01020	-.10750	-.02300	.00950	.08450	-.03610
.253	8.859	-.01970	-.06120	-.00980	-.01150	-.04160	-.00170	.04610
.253	11.174	-.04910	-.03060	-.13680	-.01150	.01850	.12530	-.02400
.253	13.397	-.06880	-.07140	-.04890	.00000	-.00260	.04890	-.04810
.252	16.641	-.01970	-.09180	-.16610	.00000	-.07220	.16610	.25340
.251	18.704	-.04910	-.10200	-.08790	.00000	-.05290	.08790	.00000
	GRADIENT	-.00693	.00000	-.01382	.00000	.00693	.01382	-.01237

ARC 218-1-12 OA101 (OV102) (D2QDB8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 299/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-6.319	-.06880	.00000	-.05860	-.01150	.06880	.04710	.00000
.254	-4.254	-.03930	-.05100	-.05860	.00000	-.01170	.05860	.13820
.253	-2.081	-.04910	-.12240	-.07820	.00000	-.07330	.07820	.03460
.253	-1.077	-.00980	-.07140	-.00980	-.01150	-.06160	-.00170	.14980
.253	.012	-.01970	-.09180	-.00980	-.01150	-.07220	-.00170	.04610
.253	.563	-.03930	-.05100	-.04890	-.01150	-.01170	.03740	.09220
.253	1.085	-.02950	-.07140	-.03910	-.01150	-.04190	.02760	.31100
.254	2.107	-.02950	-.05100	-.07820	-.01150	-.02150	.06670	.10370
.253	3.130	-.01970	-.05100	-.07820	.00000	-.03140	.07820	.10370
.254	4.174	-.01970	-.05100	-.31270	-.01150	-.03140	.30120	.12670
.254	6.242	-.02950	-.04080	-.07820	-.01150	-.01130	.06670	-.02400
.254	8.322	-.02950	-.03060	-.10750	.02550	-.00110	.13300	-.08410
.253	10.268	-.03930	-.06120	-.06840	.00000	-.02190	.06840	-.03610
	GRADIENT	.00223	.00380	-.01941	-.00092	.00156	.01849	.00345

ARC 218-1-12 OA101 (OV102) (D2Q0B9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 293/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.163	-.05900	.02000	-.09770	.02550	.07900	.12320	.05760
.253	-4.189	-.06880	.01000	-.07820	.00850	.07880	.08670	.01150
.252	-2.048	-.05900	.03000	-.10750	.00850	.08900	.11600	.04610
.253	-1.050	-.02950	.03000	-.05860	.00850	.05950	.06710	-.02400
.252	-.232	-.03930	-.01020	-.07820	.00850	.02910	.08670	.01150
.253	.575	-.02950	.00000	-.10750	.01700	.02950	.12450	.01150
.253	1.071	-.01970	-.01020	-.06840	.00850	.00950	.07690	.05760
.252	2.128	-.02950	.00000	-.09770	.01700	.02950	.11470	.03460
.252	3.174	-.03930	.00000	-.04890	.03400	.03930	.08290	.03460
.252	4.198	-.04910	.00000	-.08790	.02550	.04910	.11340	.04610
.252	6.257	.00000	.00000	-.05860	.01700	.00000	.07560	.03460
.252	8.261	-.00980	.00000	-.08790	.01700	.00980	.10490	.11520
.253	10.278	.00000	.00000	-.11730	.01700	.00000	.13430	.02300
	GRADIENT	.00297	-.00296	.00101	.00274	-.00594	.00174	.00422

ARC 218-1-12 OA101 (OV102) (D2Q0C0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 300/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-6.179	-.03930	-.02040	.00000	-.01150	.01890	-.01150	.02300
.253	-4.147	-.02950	.00000	-.06840	-.01150	.02950	.05690	.04610
.254	-2.025	-.02950	-.03060	-.08790	-.01150	-.00110	.07640	.00000
.253	-1.154	-.02950	-.01020	-.10750	-.01150	.01930	.09500	-.09620
.254	.001	-.04910	-.05100	-.02930	.00000	-.00190	.02930	.24190
.254	.475	-.06880	-.05100	-.20520	.00000	.01780	.20520	.04610
.253	.982	-.03930	.03000	-.11730	.00000	.06930	.11730	-.02400
.253	2.119	-.01970	-.05100	-.16610	-.01150	-.03140	.15460	.11520
.253	3.135	-.04910	.00000	-.03910	.00000	.04910	.03910	-.18030
.253	4.146	-.07860	-.02040	-.20520	.00000	.05820	.20520	.08060
.253	6.178	-.02950	.02000	-.07820	.00000	.04950	.07820	-.03610
.254	8.258	-.04910	.00000	-.18560	.00000	.04910	.18560	.08060
.253	10.230	-.00980	.03000	-.14660	.00000	.03980	.14660	-.03610
	GRADIENT	-.00412	-.00077	-.01019	.00144	.00335	.01163	-.00294

ARC 218-1-12 OA101 (OV102) (D2Q0C1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 301/ 0 RN/L = 7.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-5.843	-.03930	-.06120	-.01950	-.02300	-.02190	-.00350	.27650
.252	-3.876	-.01970	.00000	-.09770	.00000	.01970	.09770	.08060
.252	-2.075	-.02950	.02000	-.10750	-.01150	.04950	.09600	.10370
.252	-.043	-.03930	-.03060	-.12700	-.01150	.00870	.11550	.16130
.252	2.097	-.00980	-.03060	-.07820	.00000	-.02080	.07820	.08060
.252	4.035	-.04910	.00000	.01060	.00850	.04910	-.00210	.13820
.252	6.094	-.04910	-.01020	-.09770	.00850	.03890	.10620	.11520
.252	7.062	-.04910	-.01020	-.12700	.00000	.03890	.12700	.08060
	GRADIENT	-.00188	-.00258	.01242	.00148	-.00070	-.01095	.00441

ARC 218-1-12 OA101 (OV102) (D200C2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	8.000		

RUN NO. 295/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-11.963	-.01970	-.01020	-.03910	.00000	.00950	.03910	-14.47400
.252	-9.978	-.01970	-.02040	-.07820	.00000	-.00070	.07820	-12.09800
.252	-4.929	-.02950	-.04080	-.19540	.00000	-.01130	.19540	-5.99800
.252	-2.547	-.02950	-.07140	-.05860	.00000	-.04190	.05860	-3.10200
.252	.028	-.02950	-.05100	-.07820	-.01150	-.02150	.06670	.03460
.252	2.556	-.01970	-.03060	-.06840	.00000	-.01100	.06840	3.11260
.252	5.073	-.01970	-.03060	-.07820	-.01150	-.01100	.06670	6.17320
.252	10.129	-.00980	-.05100	-.08790	.00000	-.04120	.08790	12.27800
	GRADIENT	.00118	.00212	.01422	-.00046	.00092	-.01468	1.21729

ARC 218-1-12 OA101 (OV102) (D200C3) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	8.000		

RUN NO. 294/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-11.963	-.01970	-.03060	-.05860	.00850	-.01100	.06710	-14.47400
.252	-9.936	-.01970	-.01020	-.07820	.02550	.00950	.10370	-12.04700
.252	-4.960	-.03930	.00000	-.09770	-.01150	.03930	.08620	-6.03560
.252	-2.397	-.01970	-.05100	-.08790	.00000	-.03140	.08790	-2.91930
.252	.066	-.01970	-.03060	-.07820	.00000	-.01100	.07820	.08060
.252	2.546	-.03930	-.01020	-.05860	.00000	.02910	.05860	3.10110
.252	5.054	-.03930	-.01020	-.05860	.00000	.02910	.05860	6.15010
.252	10.119	-.02950	-.05100	-.10750	.00850	-.02150	.11600	12.26700
	GRADIENT	.00003	-.00047	.00508	.00139	-.00050	-.00369	1.21726

ARC 218-1-12 OA101 (OV102) (D2Q0C4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	8.000		

RUN NO. 296/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-11.973	-.00980	.00000	-.10750	.00000	.00980	.10750	-14.48600
.252	-9.946	-.00980	.00000	-.17590	.00000	.00980	.17590	-12.06000
.252	-4.970	-.02950	.00000	-.05860	.00000	.02950	.05860	-6.04810
.252	-2.447	.00000	-.05100	-.07820	.00000	-.05100	.07820	-2.98020
.252	.076	-.02950	-.03060	-.10750	-.02300	-.00110	.08450	.09220
.252	2.518	-.01970	-.01020	-.08790	-.01150	.00950	.07640	3.06660
.252	5.064	-.03930	-.01020	-.07820	.00000	.02910	.07820	6.16160
.252	10.178	-.04910	-.03060	-.13680	.00000	.01850	.13680	12.33700
	GRADIENT	-.00000	-.00045	-.00472	-.00232	-.00044	.00241	1.21727

ARC 218-1-12 OA101 (OV102) (D2Q0C5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	8.000		

RUN NO. 297/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-11.963	-.02950	-.03060	-.03910	.00000	-.00110	.03910	-14.47400
.251	-9.946	-.02950	-.02040	-.03910	.00000	.00910	.03910	-12.06000
.251	-4.929	-.04910	.00000	-.06840	-.02300	.04910	.04540	-5.99800
.251	-2.497	-.04910	-.02040	-.16610	.00000	.02870	.16610	-3.04110
.251	.038	-.03930	.00000	-.12700	.00000	.03930	.12700	.04610
.251	2.537	-.00980	.01000	-.07820	.00000	.01980	.07820	3.08960
.251	5.083	-.03930	.00000	-.11730	.00000	.03930	.11730	6.18470
.251	10.148	-.07860	.02000	-.15630	.00000	.09860	.15630	12.30200
	GRADIENT	.00514	.00205	.00050	.00275	-.00309	.00225	1.21730

ARC 218-1-12 OA101 (OV102) (D2Q0C6) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-5.000
RN/L =	8.000		

RUN NO. 303/ 0 RN/L = 7.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-8.096	-.02950	.00000	-.19540	.02550	.02950	.22090	-6.06010
.253	-5.670	-.00980	.02000	-.02930	.01700	.02980	.04630	-5.82270
.252	-.196	-.07860	-.01020	-.08790	.00850	.06840	.09540	-5.99800
.253	2.646	-.04910	.00000	-.15630	.01700	.04910	.17330	-6.13120
.253	5.637	-.02950	.00000	-.14660	.00000	.02950	.14660	-6.03560
.253	7.220	-.06880	-.02040	-.10750	.01700	.04840	.12450	-5.98550
.253	8.938	-.03930	-.03060	-.03910	.01700	.00870	.05610	-6.09560
.252	11.152	-.03930	-.03060	-.07820	.00000	.00870	.07820	-5.98550
.252	13.356	-.03930	-.05100	.07420	-.01150	-.01170	-.08570	-6.01050
.252	16.629	-.08850	-.04080	-.13680	-.01150	.04770	.12530	-5.98550
.251	18.881	-.04910	.00000	-.05860	.00000	.04910	.05860	-6.01050
	GRADIENT	.01038	.00359	-.02407	.00299	-.00679	.02706	-.04688

ARC 218-1-12 OA101 (OV102) (D2Q0C7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-5.000
RN/L =	8.000		

RUN NO. 302/ 0 RN/L = 7.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-6.315	-.01970	-.01020	-.11730	.00000	.00950	.11730	-6.04810
.253	-4.195	-.00980	.00000	-.12700	-.01150	.00980	.11550	-6.14300
.253	-2.114	.00000	-.02040	-.08790	-.02300	-.02040	.06490	-6.01050
.253	-1.063	-.03930	-.01020	-.06840	-.02300	.02910	.04540	-5.91040
.253	-.239	-.03930	.00000	-.14660	-.02300	.03930	.12360	-5.96040
.254	.621	.00000	.07000	-.14660	-.01150	.07000	.13510	-6.10750
.253	1.061	-.03930	.02000	-.03910	-.01150	.05930	.02760	-6.02310
.253	2.107	-.06880	.01000	.02120	-.01150	.07880	-.03270	-5.93540
.253	3.188	-.04910	.00000	-.04890	-.01150	.04910	.03740	-6.03560
.253	4.195	-.01970	.01000	-.09770	.00000	.02970	.09770	-6.06010
.253	6.260	-.06880	-.01020	-.11730	.00000	.05860	.11730	-5.99800
.253	8.250	-.07860	.01000	-.16610	.00000	.08860	.16610	-6.07190
.252	10.287	-.03930	.00000	-.15630	-.02300	.03930	.13330	-6.01050
	GRADIENT	-.00411	.00270	.00839	.00174	.00682	-.00665	.00486

ARC 218-1-12 OA101 (OV102) (D200C8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-12.000
RN/L =	8.000		

RUN NO. 305/ 0 RN/L = 7.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-6.217	-.02950	.01000	-.08790	.00850	.03950	.09640	-14.57000
.253	-4.205	-.07860	-.03060	-.08790	.00850	.04800	.09640	-14.51000
.252	-2.093	-.04910	.01000	-.07820	.01700	.05920	.09520	-14.53400
.253	-1.045	-.01970	.02000	-.05860	.01700	.03970	.07560	-14.48600
.253	-.216	-.02950	-.06120	-.19540	.01700	-.03170	.21240	-14.51000
.253	.601	-.03930	.00000	-.08790	.00000	.03930	.08790	-14.55800
.253	1.080	-.00980	-.03060	-.08790	-.01150	-.02080	.07640	-14.55800
.253	2.121	-.01970	.00000	-.10750	-.01150	.01970	.09600	-14.58200
.253	3.168	-.02950	.03000	-.00980	-.01150	.05950	-.00170	-14.55800
.253	4.190	-.02950	-.03060	-.10750	.00000	-.00110	.10750	-14.62900
.253	6.256	-.06880	-.01020	-.19540	-.01150	.05860	.18390	-14.47400
.252	8.268	-.04910	.00000	-.01950	-.01150	.04910	.00800	-14.48600
.252	10.286	-.00980	-.01020	-.10750	-.01150	-.00040	.09600	-14.53400
	GRADIENT	.00522	.00128	.00195	-.00318	-.00394	-.00513	-.01309

ARC 218-1-12 OA101 (OV102) (D2Q0C9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 217/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-35.167	-35.20000	-35.16900	-35.15800	-35.14000	.03070	.01780	.19580
.251	-30.048	-29.75500	-30.12700	-30.18300	-30.12500	-.37250	.05740	.16130
.252	-20.123	-20.21500	-20.09500	-20.08200	-20.09900	.12030	-.01750	.04610
.252	-15.054	-15.05000	-15.04200	-15.05900	-15.06400	.00750	-.00530	-.03610
.251	-10.046	-10.00000	-10.04200	-10.11700	-10.02600	-.04200	.09060	.04610
.252	-8.040	-8.10700	-8.00250	-8.01660	-8.03500	.10450	-.01840	-.01200
.252	-5.976	-5.87280	-5.98000	-6.03380	-6.01700	-.10720	.01680	-.01200
.252	-3.993	-3.86610	-4.02970	-4.07360	-4.00300	-.16360	.07060	.01150
.252	-2.984	-2.88100	-3.00000	-3.05350	-3.00200	-.11900	.05150	.11520
.252	-2.002	-1.91130	-2.01000	-2.07080	-2.01770	-.09870	.05310	.00000
.251	-1.026	-.97320	-1.00000	-1.13100	-1.00050	-.02680	.13050	-.01200
.253	-.032	-.03930	-.03060	-.05860	.00000	.00870	.05860	.01150
.252	.972	1.00300	.99000	.93330	.96000	-.01300	.02670	.01150
.252	1.959	1.98130	1.97680	1.88680	1.99000	-.00460	.10320	.02300
.252	2.966	2.96000	3.00530	2.90250	2.99740	.04530	.09490	-.02400
.252	3.986	4.06610	3.96680	3.92180	3.99090	-.09930	.06910	.04610
.252	5.976	6.08000	5.98310	5.85470	5.98650	-.09690	.13180	.05760
.252	7.973	7.96000	8.00410	7.92220	8.00710	.04410	.08490	.14980
.251	9.950	9.90750	9.99850	9.89890	9.99560	.09100	.09670	-.01200
.251	20.137	20.63000	19.99000	19.89700	20.03100	-.63950	.13450	.09220
	GRADIENT	.98873	1.00460	1.00234	1.00433	.01586	.00200	-.00347

ARC 218-1-12 OA101 (OV102) (D2Q0D0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 218/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-35.112	-35.17000	-35.16000	-34.98900	-35.13000	.01020	-.14120	.05760
.252	-20.112	-20.23700	-20.07300	-20.04900	-20.08900	.16390	-.03970	.20740
.252	-15.049	-15.03000	-15.09400	-15.01900	-15.05400	-.06380	-.03490	.11520
.252	-10.020	-9.97200	-10.04200	-10.01900	-10.04700	-.07000	-.02740	.03460
.251	-8.059	-8.08700	-8.04430	-8.06870	-8.03500	.04270	.03370	.11520
.252	-5.988	-5.83220	-6.08220	-6.01130	-6.02780	-.25000	-.01660	.00000
.252	-3.996	-3.87630	-4.00000	-4.08310	-4.02300	-.12370	.06010	.06910
.251	-2.989	-2.87150	-3.00000	-3.06370	-3.02000	-.12850	.04370	.05760
.252	-2.005	-1.92100	-2.01000	-2.08020	-2.00740	-.08900	.07290	.06910
.251	-1.005	-.95350	-1.00970	-1.04450	-1.01200	-.05620	.03250	.11520
.251	-.025	.00000	-.02040	-.06840	-.01150	-.02040	.05690	.05760
.251	.963	1.01360	.99000	.85910	.99000	-.02360	.13090	.03460
.251	1.949	1.96270	1.96720	1.90530	1.96000	.00450	.05470	.01150
.251	2.957	2.96000	2.95680	2.91240	2.99740	-.00320	.08500	.04610
.252	4.005	4.06610	3.99020	3.96230	4.00000	-.07600	.03780	.03460
.252	5.001	5.11000	4.98300	4.94120	4.96950	-.12700	.02830	.09220
.252	6.018	6.08000	5.99240	6.00380	5.99660	-.08760	-.00710	.03460
.252	7.983	7.96000	8.03090	7.93210	8.00710	.07090	.07500	-.01200
.252	9.962	9.90750	9.98150	9.95580	10.00500	.07400	.04900	.05760
.251	20.156	20.63000	20.01900	19.93800	20.03900	-.61100	.10160	.01150
	GRADIENT	.98809	1.00119	1.00456	1.00613	.01308	.00158	-.00615

ARC 218-1-12 0A101 (0V102) (D200D1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 231/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-11.652	5.07000	4.97130	4.95100	5.01800	-.09870	.06700	.13820
.251	-8.008	5.09000	4.95960	4.88260	5.00830	-.13040	.12570	.03460
.251	-6.035	5.09000	4.94800	4.91190	5.00830	-.14200	.09640	-.01200
.251	-2.987	5.09000	4.92460	4.93140	5.00830	-.16540	.07690	.09220
.251	-.030	5.09000	4.92460	4.91190	5.01800	-.16540	.10610	-.02400
.251	3.023	5.09000	4.97130	4.91190	5.01800	-.11870	.10610	.11520
.251	6.030	5.08000	4.94800	4.85330	5.00830	-.13200	.15500	.04610
.251	8.010	5.07000	4.97130	4.93140	5.00830	-.09870	.07690	.02300
.251	12.119	5.10000	4.99200	4.97050	5.01800	-.10800	.04750	.00000
.252	16.352	5.09000	4.98300	4.90210	4.99860	-.10700	.09650	-.10820
.251	22.500	5.09000	4.99200	4.97050	5.01800	-.09800	.04750	.02300
	GRADIENT	-.00000	.00781	-.00323	.00161	.00781	.00483	.00405

ARC 218-1-12 0A101 (0V102) (D200D2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 232/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-11.849	-4.84800	-4.99010	-5.09910	-5.00450	-.14210	.09460	.00000
.251	-8.038	-4.84800	-5.02000	-5.06880	-5.01400	-.17200	.05480	.12670
.251	-5.850	-4.86700	-5.03000	-5.05870	-5.00450	-.16300	.05420	.09220
.251	-3.103	-4.83850	-5.02000	-5.03850	-5.00450	-.18150	.03400	.05760
.251	.050	-4.83850	-5.02000	-5.10920	-5.01400	-.18150	.09520	.08060
.251	2.884	-4.84800	-5.04000	-5.00820	-5.01400	-.19200	-.00580	.08060
.251	5.950	-4.84800	-5.03000	-5.03850	-5.01400	-.18200	.02450	-.03610
.251	8.081	-4.83850	-5.03000	-5.03850	-5.01400	-.19150	.02450	.02300
.251	12.047	-4.82900	-5.05000	-5.01830	-5.01400	-.22100	.00430	.04610
.251	16.370	-4.83850	-5.04000	-5.07690	-5.00450	-.20150	.07440	.05760
.251	22.500	-4.85750	-5.03000	-5.07890	-5.01400	-.17250	.06490	.03460
	GRADIENT	-.00156	-.00328	.00455	-.00161	-.00172	-.00616	.00391

ARC 218-1-12 0A101 (0V102) (D2Q0D4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 16.400 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 253/ 0 RN/L = 2.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-3.914	-.00980	-.03060	-.02930	.00000	-.02080	.02930	.03460
.252	-2.010	-.02950	-.02040	-.03910	.00000	.00910	.03910	.01150
.252	.040	-.01970	-.02040	-.05860	.00000	-.00070	.05860	.01150
.251	2.088	-.02950	-.03060	-.07820	.00000	-.00110	.07820	.04610
.251	4.095	-.02950	-.03060	-.15630	.00000	-.00110	.15630	.03460
	GRADIENT	-.00194	-.00053	-.01460	.00000	.00141	.01460	.00177

ARC 218-1-12 0A101 (0V102) (D2Q0D5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 16.500 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 249/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-6.128	-.01970	-.01020	-.02930	.00850	.00950	.03780	.04610
.250	-3.882	-.02950	-.02040	-.02930	.01700	.00910	.04630	.08060
.250	-2.031	-.02950	-.01020	-.05860	.00000	.01930	.05860	.01150
.250	.027	-.02950	-.02040	-.05860	.00000	.00910	.05860	.02300
.249	2.069	-.01970	-.02040	-.04890	.00000	-.00070	.04890	.04610
.250	4.105	-.01970	-.01020	-.04890	.00850	.00950	.05740	.03460
.250	6.188	-.02950	-.03060	-.03910	.00850	-.00110	.04760	.12670
.250	6.976	-.02950	-.01020	-.03910	.00000	.01930	.03910	.08060
	GRADIENT	.00147	.00050	-.00141	-.00081	-.00098	.00060	-.00272

ARC 218-1-12 OA101 (OV102) (D2Q0D6) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	3.000		

RUN NO. 251/ 0 RN/L = 2.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-7.741	-.07860	.02000	-.08790	.01700	.09860	.10490	.05760
.251	-5.471	-.03930	.01000	-.10750	.01700	.04930	.12450	-.03610
.251	-.083	-.02950	.00000	-.08790	.00850	.02950	.09640	.04610
.251	2.676	-.03930	.00000	-.04890	.01700	.03930	.06590	.03460
.250	5.431	-.02950	.00000	-.01950	.00000	.02950	.01950	.25340
.250	7.078	-.02950	.02000	-.03910	.00000	.04950	.03910	.04610
.250	8.722	-.03930	-.02040	-.09770	.00000	.01890	.09770	.02300
.250	10.911	-.03930	-.01020	-.05860	.00000	.02910	.05860	-.03610
.251	13.098	-.04910	.00000	-.05860	.00000	.04910	.05860	.11520
.250	16.250	-.07860	.00000	-.07820	.00850	.07860	.08670	.02300
.249	18.253	-.02950	-.01020	-.07820	.00000	.01930	.07820	.06910
	GRADIENT	-.00355	.00000	.01414	.00308	.00355	-.01106	-.00417

ARC 218-1-12 OA101 (OV102) (D2Q0D7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 250/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-7.798	-.00980	.00000	-.23450	.00850	.00980	.24300	.01150
.251	-5.541	-.04910	.00000	-.05860	.00000	.04910	.05860	.05760
.250	-.081	-.02950	.00000	-.18560	.00850	.02950	.19410	.00000
.251	2.694	-.01970	-.01020	-.12700	.00000	.00950	.12700	.02300
.250	5.485	-.00980	-.02040	-.02930	.00850	-.01060	.03780	.00000
.250	7.146	-.00980	-.02040	-.02930	.00000	-.01060	.02930	.01150
.251	8.814	-.06880	-.01020	-.05860	.00850	.05860	.06710	.01150
.251	11.031	-.01970	-.05100	-.00980	.00000	-.03140	.00980	.17280
.250	13.221	-.01970	-.04080	-.03910	.00000	-.02120	.03910	.08060
.250	16.433	-.01970	-.04080	-.03910	.00000	-.02120	.03910	.01150
.249	18.477	-.02950	-.05100	-.07820	.00000	-.02150	.07820	-.01200
	GRADIENT	.00353	-.00368	.02112	-.00306	-.00721	-.02418	.00829

ARC 218-1-12 OA101 (OV102) (D2Q6D8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-OB =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 236/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-4.011	-.00980	-4.02970	-.00980	-3.99300	-4.01990	-3.98320	.05760
.251	-1.983	-.02950	-2.00000	-.25400	-1.96610	-1.97050	-1.71200	.01150
.251	-.005	-.03930	-.01020	-.09770	.00000	-.09210	.09770	-.04810
.252	1.983	-.02950	1.97680	.01060	1.99000	2.00630	1.97940	.04610
.252	3.995	-.03930	3.99020	-.00980	4.00000	4.02950	4.00980	.02300
	GRADIENT	-.00296	1.00186	.01312	.99813	1.00482	.98501	-.00175

ARC 218-1-12 OA101 (OV102) (D2Q0D9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-OB =	5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 237/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	.990	5.09000	.99000	4.87280	.99000	-4.10000	-3.88280	.04610
.252	2.991	5.08000	2.97620	4.97050	3.00610	-2.10380	-1.96440	.03460
.252	4.995	5.08000	4.97130	4.97050	5.01800	-.10870	.04750	.06910
.251	6.996	5.09000	6.98360	4.97050	7.00740	1.89360	2.03690	.04610
.251	8.999	5.03000	8.96450	4.92170	9.03440	3.93450	4.11270	.02300
	GRADIENT	-.00250	.99416	.02439	1.00582	.99665	.98143	.00575

ARC 218-1-12 OA101 (OV102) (D2Q0E0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-OB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 238/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-9.035	-4.83850	-9.06490	-5.01830	-9.00570	-4.22640	-3.98740	.03460
.251	-7.020	-4.84800	-7.04750	-5.14960	-6.99170	-2.19950	-1.84210	.03460
.251	-5.022	-4.84800	-5.04000	-5.00820	-5.00450	-.19200	.00370	.05760
.251	-3.006	-4.83850	-3.01010	-5.02840	-3.00200	1.82840	2.02640	.08060
.251	-.989	-4.82900	-1.00000	-5.04860	-.97750	3.82900	4.07110	.06910
	GRADIENT	.00471	.99643	-.01001	1.00357	.99172	1.01358	-.00570

ARC 218-1-12 OA101 (OV102) (D2Q0E1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-IB =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 239/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-4.075	-3.88650	-.02040	-4.26250	.00000	3.86610	4.26250	.01150
.250	-1.977	-1.94030	-.03060	-2.01410	.00000	1.90970	2.01410	.13820
.251	-.004	-.01970	-.02040	.01060	.00000	-.00070	-.01060	.02300
.250	1.957	1.96270	-.03060	1.95170	.00000	-1.99330	-1.95170	.05760
.251	3.929	4.04650	-.05100	3.81060	.00000	-4.09750	-3.81060	.08060
	GRADIENT	.99111	-.00306	1.00888	.00000	-.99417	-1.00888	.00301

ARC 218-1-12 OA101 (OV102) (D2Q0E2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-IB =	5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 240/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	1.005	1.03500	4.98300	.97570	5.01800	3.94800	4.04220	.02300
.251	2.966	2.99000	4.98300	2.94220	5.01800	1.99300	2.07580	.02300
.251	5.011	5.10000	4.97130	4.92170	5.01800	-.12870	.09630	-.03610
.251	6.984	7.05000	4.98300	6.91820	4.99860	-2.06700	-1.91960	.04610
.251	8.983	8.99450	4.95960	8.97220	5.00830	-4.03480	-3.96390	.01150
	GRADIENT	.99709	-.00000	1.00296	-.00000	-.99709	-1.00291	-.00000

ARC 218-1-12 OA101 (OV102) (D2Q0E3) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-IB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 241/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-9.044	-9.08570	-5.04000	-9.00310	-5.01400	4.04570	3.98910	.02300
.251	-7.036	-7.00570	-5.02000	-7.06680	-5.01400	1.98570	2.05280	.03460
.251	-4.938	-4.83850	-5.03000	-5.03950	-5.01400	-.19150	.02450	.03460
.251	-2.928	-2.83350	-5.00000	-3.02320	-5.02350	-2.16650	-2.00030	.14980
.251	-1.014	-.96330	-5.01000	-1.06370	-5.01400	-4.04670	-3.95030	.02300
	GRADIENT	.98740	.00518	1.01260	-.00004	-.98222	-1.01264	-.00246

ARC 218-1-12 OA101 (OV102) (D2Q0E4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 242/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-4.025	-.00980	-4.04950	-.10750	4.00000	-4.03970	4.10750	.04610
.251	-2.015	-.00980	-2.04000	-.02930	1.99000	-2.03020	2.01930	.03460
.251	-.010	-.02950	-.02040	-.00980	.00000	.00910	.00980	.09220
.251	1.958	-.02950	1.92880	-.02930	-1.98670	1.95830	-1.95740	.11520
.251	3.997	-.01970	3.99020	-.00980	-4.00300	4.00980	-3.99320	.02300
	GRADIENT	-.00197	1.00164	.00978	-.99834	1.00360	-1.00812	.00168

ARC 218-1-12 OA101 (OV102) (D2Q0E5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 243/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-4.032	5.09000	.96000	4.89230	9.02420	-4.13000	4.13190	-.04810
.251	-2.015	5.09000	2.96650	4.91190	6.99740	-2.12350	2.08550	-.01200
.251	-.013	5.09000	4.98300	4.88260	5.00830	-.10700	.12570	.08060
.251	2.002	5.11000	6.99370	4.87280	2.98870	1.88370	-1.88410	.02300
.251	3.982	5.09000	8.97400	4.87280	1.01000	3.88410	-3.86280	.08060
	GRADIENT	.00100	1.00045	-.00389	-.99955	.99946	-.99566	.01458

ARC 218-1-12 OA101 (OV102) (D2Q0E6) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 244/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-4.055	-4.82900	-9.07630	-5.02840	-.96600	-4.24730	4.06240	.02300
.251	-2.023	-4.84800	-7.04750	-5.07890	-3.00200	-2.19950	2.07690	.04610
.251	-.013	-4.83850	-5.04000	-5.07890	-5.01400	-.20150	.06490	.03460
.251	1.976	-4.84800	-3.05050	-5.04860	-7.00250	1.79750	-1.95390	.02300
.251	4.008	-4.82900	-1.00970	-5.00820	-9.02640	3.81930	-4.01820	.02300
	GRADIENT	-.00000	1.00023	.00350	-.99979	1.00023	-1.00329	-.00114

ARC 218-1-12 OA101 (OV102) (D2Q0E7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 245/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-3.838	-3.87630	-.03060	3.80050	.00000	3.84570	-3.80050	.02300
.251	-2.388	-2.87150	-.03060	1.90530	.00000	2.84090	-1.90530	.02300
.251	.024	-.00980	-.03060	-.05860	.00000	-.02080	.05860	.01150
.251	2.078	2.00000	-.01020	-2.15580	.00000	-2.01020	2.15580	.01150
.251	4.267	4.48880	-.02040	-4.04530	.00000	-4.50920	4.04530	.13820
	GRADIENT	1.04875	.00198	-.95124	.00000	-1.04677	.95124	.01082

ARC 218-1-12 OA101 (OV102) (D2Q0E8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 246/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-3.974	1.02430	4.98300	8.97220	4.99860	3.95870	-3.97360	.13820
.251	-1.984	2.99000	5.01000	6.95800	5.00830	2.02000	-1.94970	-.01200
.251	.065	5.12300	5.00100	4.99000	5.00830	-.11900	.01820	.08060
.251	2.064	7.06000	4.99200	2.93230	5.01800	-2.06800	2.08570	.03460
.251	4.116	8.98530	4.97130	.75300	5.01800	-4.01400	4.26500	.34560
	GRADIENT	.98832	-.00206	-1.01170	.00239	-.99039	1.01409	.02298

ARC 218-1-12 OA101 (OV102) (D2Q0E9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 247/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-4.020	-9.09500	-5.03000	-1.05410	-5.00450	4.06500	-3.95040	-.01200
.251	-1.979	-6.97160	-5.04000	-3.01310	-5.00450	1.93160	-1.99140	.02300
.251	.140	-4.83850	-5.04000	-5.11930	-5.00450	-.20150	.11480	.04610
.251	2.081	-2.86200	-5.04000	-7.02510	-5.01400	-2.17800	2.01110	.14980
.251	4.025	-.95350	-5.01000	-9.00310	-5.00450	-4.05650	3.99860	-.03610
	GRADIENT	1.01209	.00193	-.98792	-.00048	-1.01015	.98745	.00412

ARC 218-1-12 (OV102), NO SILTS POD (02Q0F0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 345/ 0 RN/L = 8.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-8.065	-.01970	-.03060	.01060	.00850	-.01100	-.00210	.06910
.253	-5.565	-.02950	-.03060	.02120	.01700	-.00110	-.00420	.04610
.253	-.082	-.01970	-.03060	.03180	.00850	-.01100	-.02330	.09220
.253	2.734	-.02950	-.02040	.03180	.00850	.00910	-.02330	.09220
.253	5.630	.10670	-.04080	.06360	.00850	-.14750	-.05510	.08060
.254	7.190	-.03930	-.03060	.03180	.00000	.00870	-.03180	.10370
.253	8.906	-.03930	-.03060	-.05860	.00000	.00870	.05860	.10370
.253	11.161	-.05900	-.02040	.05300	.00000	.03860	-.05300	.05760
.253	13.345	-.00980	-.03060	.02120	.00000	-.02080	-.02120	.02300
.252	16.629	-.02950	-.03060	-.05860	.00000	-.00110	.05860	-.01200
.253	18.909	-.04910	.00000	-.02930	.00850	.04910	.03780	.10370
	GRADIENT	-.00348	.00362	-.00000	.00000	.00714	.00000	-.00000

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0F1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	4.500		

RUN NO. 352/ 0 RN/L = 4.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.254	-7.499	.00000	.00000	-.00980	.01700	.00000	.02680	.06910
.255	-5.446	-.00980	.00000	.02120	-.01150	.00980	-.03270	-.01200
.254	-2.247	-.02950	-.02040	-.06840	-.01150	.00910	.05690	.10370
.254	-.063	.01070	-.01020	.09550	-.01150	-.02090	-.10700	.04610
.253	2.139	-.00980	.03000	-.03910	-.01150	.03980	.02760	.08060
.255	4.335	.00000	.01000	-.06840	-.02300	.01000	.04540	.05760
.255	6.538	.00000	.01000	-.04890	-.01150	.01000	.03740	-.01200
.255	8.791	-.01970	.00000	-.01950	-.01150	.01970	.00800	-.04810
.254	10.985	.00000	.01000	-.01950	-.01150	.01000	.00800	.04610
.254	13.170	.00000	.01000	.02120	-.01150	.01000	-.03270	.16130
.254	14.251	-.01970	.00000	.02120	-.01150	.01970	-.03270	.08060
.254	15.269	-.01970	.00000	-.05860	-.01150	.01970	.04710	.03460
.254	16.367	-.01970	.00000	-.02930	.00000	.01970	.02930	.20740
.253	17.465	-.00980	.00000	-.00980	.02550	.00980	.03530	.05760
.253	18.595	.00000	.00000	-.05860	.02550	.00000	.08410	.18430
	GRADIENT	.00309	.00599	-.00618	-.00157	.00290	.00461	-.00472

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0F2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 350/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-7.850	-.01970	-.04080	.02120	.00000	-.02120	-.02120	.04610
.253	-5.574	-.00980	.00000	-.03910	.00000	.00980	.03910	.08060
.254	-.077	-.03930	-.05100	-.06840	.00850	-.01170	.07690	.09220
.253	2.702	-.05900	-.01020	-.07820	.00000	.04880	.07820	.08060
.253	5.553	-.07860	.00000	-.04890	-.02300	.07860	.02590	.05760
.254	7.225	-.03930	-.03060	-.01950	.00000	.00870	.01950	.04610
.254	8.921	-.06880	-.04080	-.06840	.00850	.02800	.07690	.05760
.253	11.151	-.03930	-.04080	-.02930	.00000	-.00150	.02930	.09220
.253	13.402	-.03930	-.05100	-.03910	.00000	-.01170	.03910	.01150
.248	16.653	-.04910	-.05100	-.02930	.00850	-.00190	.03780	.00000
.252	18.708	-.04910	-.05100	-.08790	.00000	-.00190	.08790	.03460
	GRADIENT	-.00709	.01468	-.00353	-.00306	.02177	.00047	-.00417

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0F3) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 346/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.254	-6.205	-.02950	-.01020	.01060	.00850	.01930	-.00210	.04610
.255	-4.116	-.02950	-.03060	-.05860	.00850	-.00110	.06710	.05760
.255	-2.067	-.00980	-.01020	.02120	.00850	-.00040	-.01270	.05760
.254	-.985	.00000	-.02040	.02120	.00000	-.02040	-.02120	.06910
.251	-.174	-.01970	-.02040	.05300	.00850	-.00070	-.04450	.05760
.254	.604	-.00980	-.03060	-.04890	.00850	-.02080	.05740	.11520
.254	1.061	.00000	-.02040	-.07820	.00850	-.02040	.08670	.04610
.254	2.049	.00000	-.02040	.02120	.00850	-.02040	-.01270	.05760
.253	3.151	-.01970	-.03060	-.07820	.00000	-.01100	.07820	.01150
.254	4.248	-.03930	-.01020	.03180	.00000	.02910	-.03180	.05760
.254	6.210	-.00980	.00000	-.03910	.00850	.00980	.04760	.03460
.254	8.467	-.00980	-.01020	.03180	.00850	-.00040	-.02330	.08060
.253	10.232	-.02950	-.01020	-.00980	.00000	.01930	.00980	.05760
	GRADIENT	-.00067	.00056	.00065	-.00081	.00122	-.00146	-.00256

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0F4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 348/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-6.124	-.04910	-.05100	.07420	.00850	-.00190	-.06570	-5.94790
.253	-4.147	-.05900	-.04080	-.05860	.00000	.01820	.05860	-5.94790
.253	-2.515	-.04910	-.04080	.00000	.00000	.00830	.00000	-5.97300
.253	-1.045	-.07860	-.01020	-.05860	.00000	.06840	.05860	-6.10750
.252	-.208	-.04910	-.01020	-.07820	.00000	.03890	.07820	-6.20230
.253	.606	-.04910	-.03060	-.01950	.00000	.01850	.01950	-6.07190
.253	1.053	-.02950	.00000	-.07820	.00000	.02950	.07820	-6.17860
.253	2.069	-.06880	-.03060	-.04890	.00000	.03820	.04890	-6.06010
.252	3.134	-.03930	-.04080	-.03910	.00000	-.00150	.03910	-5.99800
.253	4.146	-.04910	-.03060	-.03910	.00850	.01850	.04760	-5.94790
.253	6.189	-.02950	-.03060	.06360	-.01150	-.00110	-.07510	-6.14300
.253	8.216	-.06880	-.04080	-.13680	.00000	.02800	.13680	-5.97300
.253	10.642	-.04910	-.04080	-.13680	.00000	.00830	.13680	-6.20230
	GRADIENT	.00164	.00051	-.00027	.00057	-.00114	.00084	-.00170

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0F5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 349/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-8.016	-.04910	-.04080	.12730	.00000	.00830	-.12730	-5.68530
.253	-5.546	-.07860	-.03060	-.05860	.00000	.04800	.05860	-6.17860
.253	-.119	-.06880	-.05100	.07420	.00000	.01780	-.07420	-5.94790
.253	2.719	-.06880	-.05100	-.05860	.00850	.01780	.06710	-6.11930
.253	5.656	-.07860	-.04080	-.02930	.00000	.03780	.02930	-5.97300
.252	7.188	-.06880	-.07140	.07420	.00000	-.00260	-.07420	-6.13120
.252	8.903	-.06880	-.06120	.10610	.00000	.00760	-.10610	-6.03560
.252	11.150	-.05900	-.02040	-.05860	.00000	.03860	.05860	-6.04810
.253	13.354	-.09830	-.02040	-.01950	.00000	.07790	.01950	-6.19040
.251	16.625	-.06880	-.03060	.01060	-.01150	.03820	-.02210	-6.01050
.253	18.862	-.08850	-.04080	-.01950	.01700	.04770	.03650	-6.08370
	GRADIENT	.00000	.00000	-.04679	.00299	.00000	.04979	-.06039

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0F6) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 351/ 0 RN/L = 7.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-22.863	-.05900	-.03060	-.02930	.00000	.02840	.02930	-27.19000
.253	-17.979	-.02950	-.05100	-.00980	.00000	-.02150	.00980	-21.57100
.253	-15.101	-.00980	-.03060	-.10750	-.01150	-.02080	.09600	-18.19800
.253	-10.031	-.04910	-.04080	-.06840	.00000	.00830	.06840	-12.16100
.253	-4.980	-.02950	.00000	-.01950	-.01150	.02950	.00800	-6.06010
.253	-2.487	-.01970	-.01020	-.12700	.00000	.00950	.12700	-3.02890
.253	.113	-.04910	-.03060	.00000	-.01150	.01850	-.01150	.13820
.252	2.508	-.02950	.03000	-.07820	-.02300	.05950	.05520	3.05500
.253	5.121	-.04910	.00000	.00000	-.01150	.04910	-.01150	5.23080
.253	10.315	-.02950	-.01020	-.11730	-.01150	.01930	.10580	12.50200
	GRADIENT	-.00122	.00268	-.00176	-.00183	.00390	-.00007	1.21726

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0F7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 369/ 0 RN/L = 7.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-8.004	.00000	.03000	-.09770	-.02300	.03000	.07470	.04610
.252	-5.494	.00000	.03000	-.07820	-.01150	.03000	.06670	.08060
.251	-.086	-.01970	.02000	-.07820	-.01150	.03970	.06670	-.04810
.252	2.726	-.02950	.02000	-.09770	-.01150	.04950	.08620	.03460
.252	5.618	-.01970	.03000	-.08790	-.03450	.04970	.05340	.02300
.252	7.144	.00000	.04000	-.08790	-.01150	.04000	.07640	.06910
.252	8.889	-.00980	.01000	-.09770	-.03450	.01980	.06320	.00000
.252	11.088	-.02950	.00000	.01060	-.03450	.02950	-.04510	.19580
.251	13.315	-.00980	.00000	-.01950	-.05750	.00980	-.03800	.04610
.251	16.569	-.05900	.00000	-.05860	-.03450	.05900	.02410	.19580
.251	18.794	-.01970	.01000	-.03910	-.03450	.02970	.00460	.02300
	GRADIENT	-.00348	.00000	-.00693	.00000	.00348	.00693	.02941

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0F8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 8.000

RUN NO. 370/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-7.841	-.02950	.03000	.01060	-.02300	.05950	-.03360	.11520
.251	-5.551	-.02950	.03000	-.08790	-.03450	.05950	.05340	.05760
.252	-.037	-.01970	.04000	-.04890	-.03450	.05970	.01440	.08060
.252	2.726	-.02950	.01000	-.10750	-.04600	.03950	.06150	.09220
.251	5.525	-.03930	.02000	-.12700	-.03450	.05930	.09250	.09220
.252	7.194	-.03930	.00000	-.02930	-.04600	.03930	-.01670	.16130
.252	8.848	-.02950	.03000	-.12700	-.03450	.05950	.09250	.17280
.252	11.104	.00000	.02000	-.09770	-.03450	.02000	.06320	.13820
.251	16.568	.00000	.03000	-.01950	-.02300	.03000	-.00350	.05760
.250	18.611	-.04910	.03000	-.10750	-.01150	.07920	.09600	.05760
	GRADIENT	-.00355	-.01086	-.02121	-.00416	-.00731	.01705	.00420

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0F9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 371/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-6.088	-.02950	.01000	.01060	-.03450	.03950	-.04510	.08060
.251	-4.134	-.02950	.01000	-.08790	-.01150	.03950	.07640	.05760
.251	-2.083	-.00980	.02000	.01060	-.04600	.02980	-.05660	.05760
.251	-1.032	-.00980	.01000	-.03910	-.03450	.01980	.00460	.02300
.251	-.187	-.04910	.00000	.02120	-.01150	.04910	-.03270	.09220
.251	.569	-.00980	.03000	-.14660	-.03450	.03980	.11210	-.01200
.251	1.064	.00000	-.09180	.13790	-.02300	-.09180	-.16090	.09220
.251	2.071	-.03930	-.01020	-.18560	-.03450	.02910	.15110	.05760
.251	3.133	.00000	.02000	.05300	-.02300	.02000	-.07600	.03460
.251	4.144	-.02950	.04000	-.06840	-.01150	.06950	.05690	.02300
.251	6.172	-.02950	.03000	-.08790	-.01150	.05950	.07640	.11520
.252	8.199	-.04910	.00000	-.10750	-.01150	.04910	.09600	.01150
.251	10.189	-.04910	.04000	-.10750	-.02300	.08920	.08450	.04610
	GRADIENT	.00041	.00042	-.00110	.00068	.00001	-.00042	-.00283

ARC 218-1-12 (0V102), NO SILTS POD (D200G0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 372/ 0 RN/L = 7.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.133	-.01970	.05000	-.02930	.00000	.06970	.02930	-5.98550
.251	-4.098	-.02950	.06000	-.10750	-.02300	.08950	.08450	-6.08370
.251	-2.056	.00000	.04000	-.03910	-.03450	.04000	.00460	-6.02310
.251	-1.027	-.02950	.04000	-.02930	-.03450	.06950	-.00520	-6.06010
.251	-.208	-.04910	.01000	-.05860	-.04600	.05920	.01260	-5.92290
.251	.512	-.07860	.05000	.02120	-.03450	.12860	-.05570	-6.02310
.251	1.038	-.06880	.03000	-.18560	-.04600	.09880	.13960	-6.02310
.251	2.086	.00000	.01000	-.19540	-.03450	.01000	.16090	-5.78520
.251	3.143	-.00980	.02000	-.08790	-.05750	.02980	.03040	-5.96040
.251	4.131	.00000	.00000	-.16610	-.04600	.00000	.12010	-6.09560
.251	6.165	.00000	.05000	-.03910	-.03450	.05000	.00460	-6.10750
.251	8.195	-.05900	-.03060	-.16610	-.04600	.02840	.12010	-6.06010
.251	10.187	-.02950	.00000	-.02930	-.04600	.02950	-.01670	-5.94790
	GRADIENT	.00230	-.00623	-.01231	-.00297	-.00853	.00934	.01066

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0G1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-5.000
RN/L =	3.000		

RUN NO. 373/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-7.977	-.02950	.06000	-.09770	.00000	.08950	.09770	-6.03560
.251	-5.513	-.02950	.00000	-.06840	-.01150	.02950	.05690	-6.06010
.251	-.063	-.03930	.03000	-.07820	.00000	.06930	.07820	-6.07190
.251	2.730	-.08850	.03000	.02120	-.01150	.11850	-.03270	-6.04810
.251	5.052	-.00980	.00000	-.00980	-.03450	.00980	-.02470	-5.92290
.251	5.622	-.04910	.01000	-.09770	-.02300	.05920	.07470	-6.21410
.251	7.180	-.06880	.02000	.01060	-.01150	.08880	-.02210	-6.04810
.251	8.893	-.01970	.06000	.05300	-.01150	.07970	-.06450	-5.83520
.251	11.099	-.04910	.01000	.01060	-.01150	.05920	-.02210	-5.97300
.251	13.298	-.05900	.00000	-.12700	-.01150	.05900	.11550	-6.11930
.250	16.539	-.02950	.00000	-.12700	-.01150	.02950	.11550	-5.69780
.249	18.780	-.02950	.02000	-.04890	-.02300	.04950	.02590	-6.08370
	GRADIENT	-.01762	.00000	.03560	-.00412	.01762	-.03971	.00852

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0G2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 368/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-22.892	.00000	.02000	-.12700	.00000	.02000	.12700	-27.22200
.251	-18.043	.00000	.02000	-.06840	.00850	.02000	.07690	-21.64600
.252	-14.934	-.03930	.06000	.06360	.00000	.09930	-.06360	-18.00100
.252	-10.052	.02130	.01000	-.08790	.00850	-.01130	.09640	-12.18700
.252	-4.919	-.00980	.02000	.02120	.00000	.02980	-.02120	-5.98550
.252	-2.417	.00000	.02000	.07420	.00000	.02000	-.07420	-2.94360
.252	.066	.00000	.02000	-.03910	.00000	.02000	.03910	.08060
.252	2.556	.01070	.00000	-.06840	.00000	-.01070	.06840	3.11260
.252	5.064	-.00980	.04000	-.13680	.00000	.04980	.13680	6.16160
.251	10.099	-.00980	.03000	-.05860	.00000	.03980	.05860	12.24300
	GRADIENT	.00247	-.00241	-.01532	.00000	-.00488	.01532	1.21729

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0G3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 353/ 0 RN/L = 7.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-8.053	-.03930	.00000	-.05860	.00850	.03930	.06710	.08060
.251	-5.555	-.01970	-.03060	-.08790	.00000	-.01100	.08790	.12670
.251	-.097	-.03930	-.02040	-.02930	.01700	.01890	.04630	-.09620
.251	2.697	-.02950	-.01020	-.01950	.00850	.01930	.02800	.05760
.251	5.628	-.02950	.00000	-.02930	.00850	.02950	.03780	.13820
.251	7.164	-.00980	.01000	-.05860	.00000	.01980	.05860	-.03610
.251	8.921	.02130	.01000	-.08790	.00000	-.01130	.08790	.08060
.251	11.113	-.02950	-.02040	-.05860	.00000	.00910	.05860	.02300
.251	13.313	-.04910	-.03060	.02120	.00000	.01850	-.02120	.04610
.251	16.556	-.03930	-.03060	-.15630	.00000	.00870	.15630	.12670
.249	18.824	.01070	-.03060	-.09770	.00000	-.04130	.09770	.04610
	GRADIENT	.00351	.00365	.00351	-.00304	.00014	-.00655	.05503

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0G4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 359/ 0 RN/L = 4.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-7.878	.00000	.03000	-.09770	-.03450	.03000	.06320	.09220
.252	-5.456	.00000	.03000	-.09770	-.04600	.03000	.05170	.01150
.253	-.084	-.00980	.01000	-.07820	-.03450	.01980	.04370	.08060
.252	2.669	.00000	.01000	-.11730	-.04600	.01000	.07130	.08060
.250	4.547	.00000	.00000	-.00980	.04250	.00000	.05230	-.03610
.251	5.557	-.00980	.03000	-.08790	.00850	.03980	.09640	.04610
.251	7.057	-.03930	.06000	-.08790	.00000	.09930	.08790	.02300
.251	8.752	-.03930	.03000	-.05860	.00000	.06930	.05860	.11520
.251	10.944	-.02950	.02000	-.05860	.00000	.04950	.05860	-.02400
.251	13.087	-.00980	.00000	-.08790	.00000	.00980	.08790	.13820
.249	16.303	-.00980	.03000	-.13680	.00000	.03980	.13680	.08060
.249	18.505	-.01970	.01000	-.07820	.00000	.02970	.07820	.08060
	GRADIENT	.00222	-.00200	.01263	.01509	-.00422	.00246	-.02334

ARC 218-1-12 OA101 (OV102) NO SILTS, F.D. SEALED (D2QQG5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 360/ 0 RN/L = 5.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-7.856	.02130	.05000	.02120	.02550	.02870	.00430	.04610
.253	-5.464	.00000	.04000	-.03910	.02550	.04000	.06460	.04610
.253	-.071	.01070	.03000	-.10750	.02550	.01930	.13300	.11520
.253	2.683	.01070	.03000	-.05860	.01700	.01930	.07560	.04610
.253	5.521	.01070	.03000	-.16610	.00850	.01930	.17460	.09220
.252	7.027	.00000	.02000	-.03910	.00000	.02000	.03910	.20740
.253	8.700	.00000	.01000	-.05860	-.01150	.01000	.04710	.08060
.252	10.903	-.00980	.00000	-.12700	.02550	.00980	.15250	.01150
.252	13.096	-.01970	.00000	.01060	.00000	.01970	-.01060	.13820
.251	16.257	-.03930	.06000	-.07820	.00000	.09930	.07820	.04610
.250	18.528	-.01970	.01000	-.03910	.00000	.02970	.03910	.09220
	GRADIENT	-.00000	-.00000	.01776	-.00309	-.00000	-.02085	-.02510

ARC 218-1-12 (OV102), NO SILTS POD (D2QQG6) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 357/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-7.850	.00000	.05000	-.01950	-.02300	.05000	-.00350	.11520
.251	-5.572	-.01970	.08000	-.16610	-.01150	.09970	.15460	.31100
.251	-.084	-.04910	.03000	.01060	-.01150	.07920	-.02210	.05760
.252	2.703	.00000	.03000	-.01950	-.03450	.03000	-.01500	.10370
.251	5.530	-.00980	.03000	-.06840	-.02300	.03980	.04540	.11520
.252	7.190	.00000	.01000	-.05860	-.01150	.01000	.04710	.05760
.251	8.862	.00000	.02000	-.19540	-.01150	.02000	.18390	.02300
.252	11.129	-.03930	.03000	-.10750	-.01150	.06930	.09600	.20740
.251	13.340	-.02950	-.01020	-.08790	-.01150	.01930	.07640	.24190
.251	16.567	-.02950	.00000	.01060	-.01150	.02950	-.02210	.12670
.250	18.670	.00000	.00000	-.07820	-.02300	.00000	.05520	.08060
	GRADIENT	.01762	.00000	-.01080	-.00825	-.01765	.00255	.01654

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0G7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 354/ 0 RN/L = 7.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-6.143	-.00980	.00000	-.03910	.00850	.00980	.04760	.16130
.251	-4.104	-.00980	.06000	-.05860	.00000	.06980	.05860	.04610
.251	-2.101	.00000	.03000	-.02930	.00000	.03000	.02930	.18430
.250	-1.062	-.01970	-.01020	-.05860	-.02300	.00950	.03560	.10370
.251	-.223	-.00980	-.01020	-.07820	-.03450	-.00040	.04370	.09220
.251	.608	-.01970	.00000	.02120	-.01150	.01970	-.03270	.13820
.252	1.065	.00000	.00000	-.11730	.00000	.00000	.11730	.06910
.251	2.089	-.02950	-.05100	-.11730	.00000	-.02150	.11730	.17280
.251	3.175	-.00980	.00000	-.05860	.00000	.00980	.05860	.05760
.251	4.162	-.00980	.03000	-.02930	.00000	.03980	.02930	-.01200
.251	6.226	-.02950	.03000	-.07820	.00000	.05950	.07820	.05760
.251	8.227	-.02950	.01000	-.14660	.00000	.03950	.14660	-.02400
.251	10.229	-.01970	.01000	-.02930	.00000	.02970	.02930	-.05760
	GRADIENT	-.00072	-.00548	-.00133	.00097	-.00476	.00231	-.00732

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0G8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 355/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.170	-.03930	.03000	.02120	.00000	.06930	-.02120	-5.99800
.252	-4.195	-.00980	.05000	-.02930	.00000	.05980	.02930	-6.29710
.251	-2.102	-.00980	.03000	-.05860	.00000	.03980	.05860	-5.86030
.251	-1.049	-.00980	.01000	-.14660	-.01150	.01980	.13510	-6.06010
.251	-.204	-.02950	.02000	-.01950	.00000	.04950	.01950	-6.07190
.251	.603	-.00980	.04000	-.03910	.00000	.04980	.03910	-6.06010
.251	1.060	.00000	.03000	.10610	.00000	.03000	-.10610	-6.07190
.251	2.066	-.02950	.03000	-.04890	.00000	.05950	.04890	-6.04810
.251	3.148	.01070	-.01020	-.22470	-.01150	-.02090	.21320	-6.08370
.251	4.155	-.00980	.05000	-.03910	.00000	.05980	.03910	-6.08370
.251	6.223	.01070	.04000	-.08790	-.01150	.02930	.07640	-5.99800
.251	8.217	-.01970	.03000	-.07820	.00000	.04970	.07820	-5.81020
.251	10.187	-.00980	.03000	-.07820	.00000	.03980	.07820	-6.01050
	GRADIENT	.00076	-.00165	-.00520	-.00028	-.00242	.00492	.00829

ARC 218-1-12 (OV102), NO SILTS POD (D200G9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 356/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-8.052	.00000	.03000	-.18560	.00000	.03000	.18560	-6.02310
.251	-5.575	.01070	.07000	-.11730	.00000	.05930	.11730	-6.15490
.252	-.103	-.00980	.03000	-.05860	-.01150	.03980	.04710	-5.93540
.252	2.702	-.00980	.03000	-.02930	-.01150	.03980	.01780	-6.03560
.251	5.641	.00000	.02000	-.08790	-.01150	.02000	.07640	-5.92290
.252	7.150	-.01970	.02000	-.03910	-.02300	.03970	.01610	-5.93540
.252	8.881	-.02950	.00000	-.05860	-.02300	.02950	.03560	-6.03560
.252	11.108	-.01970	.01000	-.05860	-.03450	.02970	.02410	-6.02310
.251	13.298	-.02950	.01000	.01060	-.03450	.03950	-.04510	-6.13120
.251	16.562	-.01970	.03000	-.04890	-.03450	.04970	.01440	-5.99800
.250	18.821	-.00980	.02000	-.01950	.00000	.02980	.01950	-6.06010
	GRADIENT	-.00000	.00000	.01045	.00000	-.00000	-.01045	-.03572

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0H0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 358/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-22.940	-.00980	.07000	.00000	.00850	.07980	.00850	-27.27700
.252	-18.054	-.00980	.03000	-.06840	.00850	.03980	.07690	-21.65900
.251	-15.111	-.00980	.02000	-.06840	.00000	.02980	.06840	-18.20900
.252	-10.020	-.00980	.06000	-.01950	-.01150	.06980	.00800	-12.14800
.251	-4.888	.00000	.06000	-.08790	-.01150	.06000	.07640	-5.94790
.251	-2.487	-.04910	.06000	-.02930	-.03450	.10910	-.00520	-3.02890
.251	.019	-.00980	.05000	-.02930	-.02300	.05980	.00630	.02300
.251	2.641	-.01970	.04000	.01060	-.02300	.05970	-.03360	3.21600
.251	5.140	-.06880	.06000	.03180	-.03450	.12880	-.06630	6.25380
.251	10.001	-.00980	.00000	-.07820	-.03450	.00980	.04370	12.12600
	GRADIENT	-.00072	-.00281	.01174	-.00088	-.00208	-.01262	1.21730

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0H1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	4.500
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	4.500		

RUN NO. 366/ 0 RN/L = 4.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-7.433	4.49170	4.55890	4.45830	4.53710	.06720	.07880	-.06010
.254	-5.311	4.49170	4.52360	4.47260	4.53710	.03190	.06450	.02300
.254	-2.104	4.46670	4.53530	4.42960	4.50930	.06870	.07960	.10370
.254	.069	4.46670	4.53530	4.43680	4.53710	.06870	.10030	.00000
.255	2.263	4.48330	4.52360	4.47260	4.50000	.04020	.02740	.12670
.254	4.472	4.47500	4.53530	4.41530	4.53710	.06030	.12180	.24190
.253	6.482	4.49170	4.53530	4.45110	4.50930	.04370	.05810	.17280
.253	8.881	4.48330	4.52360	4.35080	4.50000	.04020	.14920	.04610
.253	11.019	4.47500	4.52360	4.35800	4.50000	.04850	.14200	.11520
.251	13.204	4.49170	4.51180	4.41530	4.50930	.02010	.09400	.00000
.252	14.282	4.46670	4.53530	4.32220	4.51860	.06870	.19640	.02300
	GRADIENT	.00189	-.00053	-.00035	.00211	-.00244	.00247	.02478

RUN NO. 361/ 0 RN/L = 4.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.399	-7.431	4.49170	4.53530	4.50180	4.49090	.04370	-.01090	.02300
.399	-5.362	4.48330	4.53530	4.48700	4.49090	.05200	.00390	.06910
.399	-2.118	4.49170	4.52360	4.52210	4.49090	.03190	-.03120	.04610
.399	.063	4.50000	4.52360	4.53230	4.49090	.02360	-.04140	.03460
.399	2.257	4.48330	4.52360	4.43680	4.50000	.04020	.06320	.00000
.400	4.538	4.48330	4.51180	4.40100	4.48180	.02840	.08080	-.03610
.401	6.612	4.49170	4.53530	4.43680	4.49090	.04370	.05410	.05760
.401	8.990	4.48330	4.52360	4.43680	4.47270	.04020	.03590	-.15630
.401	11.165	4.49170	4.52360	4.43680	4.49090	.03190	.05410	.13820
.402	13.400	4.48330	4.52360	4.43680	4.47270	.04020	.03590	.08060
.400	14.520	4.48330	4.52360	4.45110	4.48180	.04020	.03070	.00000
.399	15.582	4.48330	4.52360	4.42960	4.47270	.04020	.04300	-.02400
.398	16.681	4.48330	4.52360	4.43680	4.48180	.04020	.04500	.01150
.397	17.771	4.48330	4.52360	4.46550	4.47270	.04020	.00720	.09220
.394	18.901	4.48330	4.52360	4.37230	4.50000	.04020	.12770	-.10820
	GRADIENT	-.00189	-.00161	-.02072	-.00084	.00026	.01988	-.01271

ARC 218-1-12 (OV102), NO SILTS POD (D20(H2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 4.500

RUN NO. 365/ 0 RN/L = 4.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-7.446	.00000	.00000	-.15630	.00000	.00000	.15630	-.02400
.254	-5.382	.00000	.03000	-.09770	.00000	.03000	.09770	.17280
.254	-2.229	.01070	.00000	-.03910	.00000	-.01070	.03910	.05760
.254	-.076	.00000	.00000	-.00980	.00000	.00000	.00980	.06910
.254	2.152	.00000	.00000	.01060	-.01150	.00000	-.02210	.13820
.254	4.372	-.00980	.00000	-.00980	.00000	.00980	.00980	.02300
.254	6.381	-.02950	.00000	-.07820	.00000	.02950	.07820	.18430
.254	8.722	.00000	.00000	-.22470	.00000	.00000	.22470	.16130
.254	10.937	.00000	-.03060	.01060	.00000	-.03060	-.01060	.11520
.254	13.105	.00000	-.04080	.01060	.00000	-.04080	-.01060	.06910
.252	14.159	-.00980	-.01020	-.14660	.00000	-.00040	.14660	.02300
.252	15.192	.00000	-.05100	.09550	.00000	-.05100	-.09550	-.02400
.252	16.263	-.00980	-.03060	-.10750	-.02300	-.02080	.08450	.18430
.252	17.359	.00000	-.03060	-.02930	.00000	-.03060	.02930	.19580
.251	18.474	-.02950	-.05100	-.05860	.00000	-.02150	.05860	.16130
	GRADIENT	-.00279	.00000	.00489	-.00052	.00279	-.00541	-.00162

RUN NO. 362/ 0 RN/L = 4.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.402	-7.599	.00000	.03000	.06360	.00000	.03000	-.06360	-.04810
.403	-5.526	.00000	.03000	.05300	.00000	.03000	-.05300	.05760
.402	-2.257	.00000	.03000	.02120	.00000	.03000	-.02120	.00000
.403	-.060	.00000	.02000	-.02930	.00000	.02000	.02930	.08060
.403	2.182	.00000	.02000	-.06840	.00850	.02000	.07690	.01150
.404	4.410	.00000	.02000	.05300	.00000	.02000	-.05300	-.01200
.403	6.499	.00000	.03000	-.04890	.00000	.03000	.04890	-.04810
.402	8.855	.00000	.03000	.13790	.00000	.03000	-.13790	-.08410
.401	11.067	.00000	.03000	-.07820	.00000	.03000	.07820	-.04810
.400	13.312	.00000	.02000	.03180	.00000	.02000	-.03180	.12670
.400	14.383	.00000	.03000	-.00980	.00000	.03000	.00980	-.04810
.398	15.454	-.00980	.03000	.06360	.00000	.03980	-.06360	.05760
.396	16.577	.00000	.02000	-.05860	.00000	.02000	.05860	.02300
.396	17.681	-.00980	.01000	.06360	.00850	.01980	-.05510	-.03610
.394	18.830	.00000	.01000	-.00980	.00000	.01000	.00980	.04610
	GRADIENT	.00000	-.00134	.00257	.00038	-.00134	-.00219	-.00478

ARC 218-1-12 (OV102), NO SILTS POD (D2Q0H3) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-5.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	4.500		

RUN NO. 364/ 0 RN/L = 4.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-7.524	-4.80050	-5.02000	-5.01830	-5.03470	-.21950	-.01640	.13820
.252	-5.557	-4.84800	-4.99010	-5.00820	-5.03470	-.14210	-.02650	.18430
.253	-2.350	-4.86700	-4.99010	-5.10920	-5.03470	-.12310	.07450	.02300
.253	-.181	-4.79100	-4.99010	-5.16980	-4.99180	-.19910	.17800	.01150
.254	2.034	-4.82900	-5.04000	-5.03850	-5.03470	-.21100	.00380	.13820
.254	4.246	-4.82900	-5.03000	-4.96780	-5.02310	-.20100	-.05530	-.02400
.253	6.342	-4.82900	-4.99010	-5.07890	-5.02310	-.16110	.05580	.13820
.252	8.621	-4.85750	-4.99010	-5.15970	-5.04620	-.13260	.11350	.09220
.252	10.796	-4.82900	-5.02000	-5.12940	-5.04620	-.19100	.08320	.00000
.252	12.971	-4.82900	-5.02000	-4.97790	-5.03470	-.19100	-.05680	.11520
.252	14.032	-4.82900	-5.04000	-5.09910	-5.03470	-.21100	.06440	.12670
.251	15.058	-4.80050	-5.04000	-5.14960	-5.04620	-.23950	.10340	.04610
.251	16.130	-4.82900	-5.07000	-5.03850	-5.06930	-.24100	-.03080	.19580
.251	17.224	-4.83850	-5.05000	-5.01830	-5.05780	-.21150	-.03950	.01150
.251	18.348	-4.84800	-5.06000	-5.15970	-5.04620	-.21200	.11350	-.04810
	GRADIENT	.00341	-.00771	.02533	-.00040	-.01112	-.02572	-.00067

RUN NO. 363/ 0 RN/L = 4.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.399	-7.716	-4.82900	-4.99010	-5.08900	-4.99180	-.16110	.09720	.06910
.399	-5.648	-4.82900	-5.00000	-5.01830	-4.99180	-.17100	.02650	.16130
.401	-2.414	-4.83850	-5.00000	-4.89710	-4.99180	-.16150	-.09470	.11520
.400	-.217	-4.83850	-5.00000	-4.97790	-4.99180	-.16150	-.01390	.09220
.400	2.005	-4.84800	-5.00000	-5.00820	-5.01160	-.15200	-.00340	.24190
.400	4.249	-4.83850	-5.01000	-5.00820	-4.99180	-.17150	.01640	.20740
.399	6.428	-4.83850	-5.00000	-5.11930	-5.00000	-.16150	.11930	.05760
.400	8.698	-4.84800	-5.02000	-5.07890	-5.01160	-.17200	.06730	.10370
.400	10.950	-4.84800	-5.00000	-5.01830	-5.00000	-.15200	.01830	-.04810
.399	13.156	-4.83850	-5.02000	-5.09910	-5.00000	-.18150	.09910	.06910
.398	14.246	-4.83850	-5.02000	-5.03850	-5.00000	-.18150	.03850	.17280
.397	15.281	-4.84800	-5.03000	-5.19000	-4.99180	-.18200	.19820	.08060
.396	16.378	-4.83850	-5.02000	-4.92740	-5.01160	-.18150	-.08410	-.01200
.395	17.479	-4.84800	-5.00000	-5.07890	-5.01160	-.15200	.06730	.01150
.392	18.660	-4.84800	-5.01000	-4.98800	-5.00000	-.16200	-.01200	-.10820
	GRADIENT	-.00042	-.00136	-.01633	-.00088	-.00093	.01545	.01919

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (D2Q0H4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 374/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-4.419	-.03930	-.03060	.10610	-.02300	.00870	-.12910	-.08410
.251	-2.347	-.02950	-.03060	.10610	-.01150	-.00110	-.11760	-.04810
.251	-.228	-.02950	-.01020	.10610	.00000	.01930	-.10610	-.06010
.251	2.045	-.01970	.00000	.10610	.00000	.01970	-.10610	-.06010
.250	4.209	-.02950	.00000	.10610	.00000	.02950	-.10610	-.07210
.250	6.501	-.02950	.00000	.10610	.00000	.02950	-.10610	-.08410
.251	8.558	-.00980	.00000	.11670	.00000	.00980	-.11670	-.08410
.250	10.553	-.02950	.01000	.10610	.00000	.03950	-.10610	-.06010
.249	12.723	-.00980	.00000	.10610	.00000	.00980	-.10610	-.07210
.250	15.045	-.02950	.00000	.10610	.00000	.02950	-.10610	-.07210
.249	17.181	.00000	-.01020	.10610	.00000	-.01020	-.10610	-.04810
.250	19.408	-.00980	.00000	.10610	-.01150	.00980	-.11760	-.04810
.249	21.632	-.02950	.01000	.10610	.00000	.03950	-.10610	-.06010
	GRADIENT	.00135	.00424	-.00000	.00264	.00289	.00264	.00051

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (D2Q0H5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 375/ 0 RN/L = 5.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.249	-4.365	-.00980	.00000	.11670	.01700	.00980	-.09970	-.04810
.248	-2.198	.00000	.00000	.11670	.01700	.00000	-.09970	-.04810
.249	-.204	.00000	.00000	.10610	.01700	.00000	-.08910	-.04810
.249	2.035	-.01970	-.01020	.10610	.00850	.00950	-.09760	-.04810
.250	4.193	-.00980	-.01020	.10610	.01700	-.00040	-.08910	-.06010
.250	6.460	-.00980	-.02040	.09550	.00850	-.01060	-.08700	-.04810
.250	8.510	-.00980	-.02040	.09550	.00850	-.01060	-.08700	-.06010
.250	10.487	-.02950	-.01020	.09550	.01700	.01930	-.07850	-.06010
.249	12.631	-.00980	.00000	.10610	.00850	.00980	-.09760	-.04810
.248	14.890	-.00980	-.01020	.10610	.00000	-.00040	-.10610	-.04810
.248	16.988	-.00980	-.03060	.10610	.00850	-.02080	-.09760	-.04810
.250	19.230	-.02950	-.05100	.10610	.03400	-.02150	-.07210	-.06010
.249	21.434	-.00980	-.04080	.10610	-.01150	-.03100	-.11760	-.06010
	GRADIENT	-.00094	-.00144	-.00148	-.00040	-.00051	.00108	-.00113

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S TUFTS (D2Q0HF) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	3.000		

RUN NO. 376/ 0 RN/L = 3.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.248	-4.362	-.02950	-.03060	.10610	.00000	-.00110	-.10610	-.06010
.248	-2.330	-.00980	-.03060	.10610	.00000	-.02080	-.10610	-.06010
.250	-.223	-.02950	-.05100	.10610	.00850	-.02150	-.09760	-.04810
.250	2.024	-.02950	-.07140	.10610	.00000	-.04190	-.10610	-.06010
.250	4.169	-.01970	.00000	.10610	.00000	.01970	-.10610	-.06010
.250	6.029	-.00980	-.01020	.10610	-.02300	-.00040	-.12910	-.06010
.249	8.445	-.01970	-.01020	.10610	-.03450	.00950	-.14060	-.04810
.249	10.425	-.01970	.00000	.10610	-.01150	.01970	-.11760	-.06010
.249	12.575	-.00980	-.01020	.10610	-.02300	-.00040	-.12910	-.06010
.249	14.792	-.00980	.00000	.10610	-.01150	.00980	-.11760	-.08410
.249	16.889	-.00980	-.01020	.10610	-.03450	-.00040	-.14060	-.07210
.248	19.088	-.02950	-.04080	.11670	-.02300	-.01130	-.13970	-.07210
.249	21.245	.00000	.01000	.10610	-.03450	.01000	-.14060	-.04810
	GRADIENT	-.00002	.00098	.00000	-.00001	.00100	-.00001	-.00002

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (D2Q0H7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 377/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-4.242	-.01970	.02000	.09550	.01700	.03970	-.07850	-.01200
.251	-2.235	-.02950	.00000	.09550	.01700	.02950	-.07850	.00000
.251	-.052	-.00980	.00000	.09550	.00850	.00980	-.08700	-.01200
.251	2.140	-.02950	.06000	.08480	.00850	.08950	-.07630	-.01200
.251	4.309	-.01970	.01000	.08480	.00850	.02970	-.07630	-.01200
.251	6.622	-.01970	.04000	.08480	.00850	.05970	-.07630	-.01200
.250	8.689	-.02950	.01000	.09550	.00850	.03950	-.08700	-.01200
.250	10.701	-.03930	.04000	.08480	.00850	.07930	-.07630	-.01200
.249	12.867	-.01970	.00000	.08480	.00850	.01970	-.07630	-.02400
.249	15.126	-.03930	.02000	.08480	.01700	.05930	-.06780	-.01200
.248	17.333	-.02950	.00000	.08480	.01700	.02950	-.06780	-.01200
.247	19.504	-.01970	.00000	.08480	.01700	.01970	-.06780	-.01200
.247	21.769	-.01970	.02000	.09550	.01700	.03970	-.07850	-.01200
	GRADIENT	.00001	.00191	-.00150	-.00119	.00190	.00032	-.00058

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (D2Q0H8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 378/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.249	-4.169	.00000	.02000	.09550	.02550	.02000	-.07000	-.01200
.249	-2.206	.00000	.00000	.10610	.00850	.00000	-.09760	-.01200
.249	-.026	-.00980	-.01020	.09550	.01700	-.00040	-.07850	-.01200
.248	2.133	.01070	.03000	.10610	.00850	.01930	-.09760	-.01200
.248	4.289	.01070	.01000	.09550	.01700	-.00070	-.07850	-.01200
.248	6.545	.00000	.01000	.09550	.00850	.01000	-.08700	-.02400
.248	8.596	.00000	.01000	.08480	.00850	.01000	-.07630	-.01200
.248	10.642	-.00980	-.01020	.10610	.00850	-.00040	-.09760	-.01200
.247	12.787	-.00980	.00000	.09550	.00000	.00980	-.09550	-.01200
.247	14.959	.00000	.00000	.08480	.00850	.00000	-.07630	-.01200
.246	17.092	.00000	-.01020	.08480	.00850	-.01020	-.07630	-.01200
.245	19.272	.00000	-.01020	.08480	.00000	-.01020	-.08480	-.02400
.245	21.338	.00000	.01000	.08460	.00000	.01000	-.08480	-.01200
	GRADIENT	.00153	.00052	-.00002	-.00077	-.00100	-.00075	-.00000

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (D2Q0H9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	3.000		

RUN NO. 379/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.250	-4.132	.01070	-.01020	.10610	.02550	-.02090	-.08060	-.01200
.250	-2.150	.00000	-.01020	.10610	-.01150	-.01020	-.11760	-.01200
.250	-.021	-.00980	-.02040	.09550	-.02300	-.01060	-.11850	-.02400
.250	2.142	.00000	-.03060	.10610	-.02300	-.03060	-.12910	-.02400
.249	4.272	.00000	-.03060	.10610	-.02300	-.03060	-.12910	-.02400
.249	6.503	.00000	-.03060	.10610	.00850	-.03060	-.09760	-.02400
.249	8.555	.00000	-.02040	.10610	.02550	-.02040	-.08060	-.02400
.249	10.572	.00000	-.02040	.10610	.00850	-.02040	-.09760	-.02400
.249	12.718	.00000	-.03060	.09550	.01700	-.03060	-.07650	-.01200
.248	14.877	.00000	-.03060	.09550	.02550	-.03060	-.07000	-.01200
.249	17.007	.00000	-.03060	.08480	.02550	-.03060	-.05930	-.02400
.248	19.170	.00000	-.03060	.09550	.03400	-.03060	-.06150	-.02400
.248	21.146	.00000	-.03060	.08480	.03400	-.03060	-.05080	-.02400
	GRADIENT	-.00099	-.00291	.00001	-.00509	-.00192	-.00510	-.00170

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (D2Q010) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 332/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-8.047	.10670	.00000	-.03910	-.01150	-.10670	.02760	.05760
.252	-5.534	.02130	.02000	-.05860	.00000	-.00130	.05860	.11520
.252	-.096	.00000	.00000	-.00980	.00000	.00000	.00980	.05760
.251	2.738	.03200	.01000	-.07820	.00000	-.02200	.07820	.05760
.252	5.631	.02130	-.01020	-.05860	.00000	-.03150	.05860	.04610
.253	7.207	.00000	-.06120	-.03910	-.01150	-.06120	.02760	.02300
.252	8.929	.00000	-.08160	-.02930	-.03450	-.08160	-.00520	.03460
.252	11.133	.00000	-.08160	-.08790	.00000	-.08160	.08790	.05760
.252	13.338	.00000	-.03060	-.06840	-.01150	-.03060	.05690	.05760
.251	16.616	.00000	-.05100	-.06840	.00000	-.05100	.06840	.04610
.250	18.833	.00000	-.04080	-.08790	.00000	-.04080	.08790	.08060
	GRADIENT	.01129	.00353	-.02414	.00000	-.00776	.02414	.00000

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (D2Q011) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 8.000

RUN NO. 335/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-7.821	.00000	.02000	-.07820	.00850	.02000	.08670	.05760
.254	-5.575	-.02950	.02000	-.06840	.00000	.04950	.06840	.09220
.254	-.053	-.01970	.00000	-.03910	.00000	.01970	.03910	.05760
.253	2.742	.00000	.03000	-.00980	.00000	.03000	.00980	.05760
.253	5.561	-.02950	-.01020	-.07820	.00000	.01930	.07820	.05760
.254	7.227	-.01970	.02000	-.00980	.00000	.03970	.00980	.10370
.254	8.926	-.04910	.05000	-.06840	.00000	.09920	.06840	.01150
.254	11.194	-.00980	.03000	.02120	.00000	.03980	-.02120	.08060
.253	13.413	-.01970	.03000	-.02930	-.01150	.04970	.01780	.09220
.252	16.690	-.02950	.05000	-.05860	-.01150	.07950	.04710	.04610
.251	18.708	-.02950	.02000	-.05860	-.01150	.04950	.04710	.01150
	GRADIENT	.00705	.01074	.01049	.00000	.00369	-.01049	-.00000

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (D20012) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 336/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-6.175	-.00980	.06000	-.05860	.00000	.06980	.05860	.11520
.253	-4.181	-.01970	.06000	-.02930	.00000	.07970	.02930	.05760
.254	-2.120	-.02950	.05000	-.07820	.00000	.07950	.07820	.06910
.253	-1.042	-.01970	.03000	.01060	-.02300	.04970	-.03360	.10370
.253	-.205	-.01970	.03000	-.00980	-.02300	.04970	-.01320	.06910
.253	.591	-.00980	.03000	-.07820	-.02300	.03980	.05520	.05760
.253	1.060	-.00980	.00000	-.07820	.00000	.00980	.07820	-.01200
.253	2.111	-.02950	.06000	-.00980	.00000	.08950	.00980	-.02400
.253	3.180	-.04910	.06000	-.08790	-.01150	.10910	.07640	.02300
.253	6.251	-.02950	.05000	-.02930	-.01150	.07950	.01780	.11520
.253	8.264	-.02950	.03000	.00000	-.04600	.05950	-.04600	.00000
.253	10.266	-.00980	.05000	-.06840	-.04600	.05980	.02240	.05760
	GRADIENT	-.00203	-.00089	-.00454	-.00071	.00114	.00383	-.01124

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (C2Q013) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 337/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-6.109	5.09000	4.99200	4.98030	4.99860	-.09800	.01830	.08060
.252	-4.181	5.08000	5.01900	4.97050	4.99860	-.06100	.02810	-.01200
.251	-2.105	5.08000	5.02800	4.92170	4.98890	-.05200	.06720	.14980
.253	-1.040	5.08000	5.02800	4.90210	4.99860	-.05200	.09650	.05760
.252	-.222	5.08000	5.00100	4.91190	4.95980	-.07900	.04790	.11520
.252	.609	5.14000	4.99200	5.00980	4.99860	-.14800	-.01120	.00000
.252	1.064	5.10000	5.01900	4.96070	5.00830	-.08100	.04760	-.02400
.253	2.123	5.08000	5.01900	4.93140	5.01800	-.06100	.08660	.03460
.252	3.161	5.04000	5.02800	4.91190	4.99860	-.01200	.08670	.08060
.253	4.153	5.07000	4.98300	4.93140	4.99860	-.08700	.06720	.03460
.252	6.251	5.08000	4.99200	5.00980	4.97920	-.08800	-.03060	.04610
.252	8.264	5.09000	4.94800	4.91190	4.99860	-.14200	.08670	.11520
.252	10.280	5.09000	5.01900	4.85330	4.99860	-.07100	.14530	.04610
	GRADIENT	-.00222	-.00256	-.00215	.00161	-.00033	.00376	-.00140

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (D2Q014) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 333/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.252	-35.127	-35.19000	-35.13100	-35.04800	-35.14000	.05900	-.09160	.11520
.252	-29.981	-29.67400	-30.11700	-30.05100	-30.08300	-.44330	-.03120	.12670
.253	-25.059	-25.04800	-25.07800	-24.99900	-25.11000	-.03010	-.11070	.08060
.253	-20.101	-20.22600	-20.03000	-20.04900	-20.09900	.19600	-.05020	.06910
.253	-15.026	-15.01000	-15.02200	-15.00900	-15.06400	-.01190	-.05500	.04610
.253	-9.992	-9.97200	-10.00800	-9.98110	-10.00600	-.03630	-.02480	.03460
.253	-4.971	-4.81000	-5.00000	-5.07890	-4.99500	-.19000	.08390	.09220
.253	-.025	.00000	-.02040	-.06840	-.01150	-.02040	.05690	.08060
.253	5.011	5.12000	4.98300	4.94120	4.99860	-.13700	.05740	.11520
.253	9.994	9.93200	10.03200	9.98830	10.02300	.10050	.03490	-.01200
.253	14.991	14.93700	15.00000	14.97400	15.05400	.06260	.08020	.04610
.252	20.163	20.66000	20.02800	19.90700	20.05600	-.63150	.14870	.01150
	GRADIENT	.97252	1.00681	1.01306	1.00760	.03429	-.00546	-.00235

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (D2Q015) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 334/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-11.738	-.00980	.01000	.01060	.00850	.01980	-.00210	.14980
.253	-7.931	-.00980	.02000	-.02930	.00850	.02980	.03780	.16130
.253	-5.893	-.00980	.02000	-.02930	.00850	.02980	.03780	.06910
.253	-2.934	-.00980	.05000	.02120	.00850	.05980	-.01270	-.01200
.253	-.030	.00000	.03000	-.06840	.00850	.03000	.07690	.05760
.253	3.013	-.00980	.03000	-.01950	.01700	.03980	.03650	.08060
.253	5.970	-.00980	.03000	-.05860	.00850	.03980	.06710	-.02400
.253	7.970	-.02950	.03000	-.07820	.00000	.05950	.07820	.03460
.253	12.150	-.00980	.02000	-.03010	.00850	.02980	.04760	-.01200
.253	16.370	-.00980	.02000	-.05860	.00000	.02980	.05860	.08060
.253	22.500	-.00980	.03000	.01060	.00850	.03980	-.00210	.06910
	GRADIENT	-.00003	-.00334	-.00666	.00144	-.00331	.00810	.01551

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (D2Q016) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 338/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-7.894	.00000	.07000	-.05860	-.03450	.07000	.02410	.02300
.253	-5.452	.00000	.08000	.02120	-.03450	.08000	-.05570	.17280
.253	-.101	.00000	.08000	-.10750	-.03450	.08000	.07300	.02300
.254	2.696	.00000	.06000	-.07820	-.04600	.06000	.03220	-.02400
.253	5.608	-.00980	.07000	-.06840	-.04600	.07980	.02240	.06910
.253	7.115	-.02950	.06000	-.05860	-.03450	.08950	.02410	.14980
.253	8.793	-.01970	.08000	-.08790	-.05750	.09970	.03040	.05760
.253	10.989	-.02950	.03000	-.05860	-.03450	.05950	.02410	.08060
.253	13.169	-.04910	.05000	-.15630	-.04600	.09920	.11030	.11520
.251	16.313	-.00980	.06000	-.06840	-.04600	.06980	.02240	-.01200
.251	18.553	-.02950	.03000	-.14660	-.02300	.05950	.12360	.13820
	GRADIENT	.00000	-.00715	.01048	-.00411	-.00715	-.01459	-.01680

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (D2Q017) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 341/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-7.746	.00000	.04000	.05300	.00000	.04000	-.05300	.04610
.251	-5.471	-.00980	.06000	-.12700	.00850	.06980	.13550	-.01200
.251	-.050	.00000	.03000	.02120	.01700	.03000	-.00420	.05760
.251	2.715	.00000	.04000	-.03910	.00000	.04000	.03910	.04610
.251	5.490	.01070	.04000	-.06840	.00000	.02930	.06840	.04610
.251	7.166	-.02950	.04000	-.05860	.00850	.06950	.06710	.06910
.251	8.799	-.02950	.04000	-.05860	.00000	.06950	.05860	.02300
.251	11.017	.00000	.04000	-.07820	.00000	.04000	.07820	.02300
.247	13.238	-.00980	.06000	.05300	.00000	.06980	-.05300	.02300
.250	16.380	-.00980	.03000	-.05860	.00000	.03980	.05860	.04610
.249	18.399	-.01970	.03000	-.03910	.01700	.04970	.05610	.04610
	GRADIENT	.00000	.00362	-.02181	-.00615	.00362	.01566	-.00416

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (D2Q018) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 342/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-5.308	-.00980	.07000	-.04890	.00850	.07980	.05740	.01150
.251	.010	.02130	.07000	-.00980	.00850	.04870	.01830	.01150
.251	2.163	.00000	.06000	-.06840	.00850	.06000	.07690	.01150
.251	5.500	.00000	.08000	-.05860	.00850	.08000	.06710	.05760
.251	6.630	-.02950	.07000	-.05860	.00850	.09950	.06710	.02300
.251	8.773	-.01970	.09000	-.05860	.00850	.10970	.06710	.04610
.251	11.015	-.00980	.11000	-.02930	.01700	.11980	.04630	.00000
.250	13.150	-.00980	.03000	-.10750	.00850	.03980	.11600	.13820
.250	16.321	-.02950	.03000	-.03910	.00850	.05950	.04760	.02300
	GRADIENT	-.00989	-.00464	-.02722	.00000	.00525	.02722	.00000

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (D2Q019) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 343/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-6.219	.01070	.08000	.00000	.01700	.06930	.01700	.14980
.251	-4.167	-.00980	.05000	.01060	.00850	.05980	-.00210	.08060
.251	-2.071	.00000	.07000	-.08790	.00850	.07000	.09640	.03460
.251	-1.044	.03200	.02000	-.11730	.00850	-.01200	.12580	.13820
.250	-.203	-.02950	.10000	.05300	.00850	.12950	-.04450	.03460
.251	.618	-.00980	.03000	-.00980	.00000	.03980	.00980	.05760
.250	1.067	-.04910	.05000	.04240	.00850	.09920	-.03390	.08060
.249	2.082	-.02950	.05000	-.05860	.00850	.07950	.06710	.11520
.249	3.146	-.00980	.01000	-.05860	.01700	.01980	.07560	.03460
.251	4.176	-.00980	.02000	-.04890	.00000	.02980	.04890	.06910
.252	6.198	-.00980	.03000	.01060	.00850	.03980	-.00210	.08060
.252	8.208	-.00980	.06000	.01060	.00850	.06980	-.00210	.01150
.253	10.181	.00000	.03000	.05300	.00850	.03000	-.04450	-.01200
	GRADIENT	-.00242	-.00484	-.00205	-.00019	-.00241	.00185	-.00107

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (D2Q0J0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 344/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.253	-6.148	5.08000	5.01900	4.91190	5.00830	-.06100	.09640	.02300
.252	-4.184	5.15000	5.01000	4.98030	5.01800	-.14000	.03770	.05760
.252	-2.067	5.14000	5.03690	4.97050	5.01800	-.10310	.04750	.04610
.252	-1.042	5.12000	5.12680	4.89230	5.01800	.00680	.12570	.04610
.252	-.222	5.11000	5.02800	4.95100	5.00830	-.08200	.05730	.05760
.252	.613	5.10000	5.00100	4.97050	5.01800	-.09900	.04750	.08060
.252	1.064	5.12000	5.01000	4.97050	5.01800	-.11000	.04750	.04610
.252	2.089	5.14000	4.99200	4.95100	5.00830	-.14800	.05730	-.02400
.252	3.147	5.11000	5.01000	4.85330	5.01800	-.10000	.16470	.06910
.252	4.155	5.12000	5.01900	4.96070	5.01800	-.10100	.05730	.05760
.252	6.203	5.12000	5.01000	4.90210	5.01800	-.11000	.11590	.01150
.252	8.213	5.09000	5.07290	4.96070	5.01800	-.01710	.05730	.02300
.252	10.181	5.08000	5.08190	4.98030	5.01800	.00190	.03770	.00000
	GRADIENT	-.00327	-.00447	-.00574	-.00019	-.00120	.00555	-.00118

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (D2Q0J1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 340/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-25.071	-25.04800	-25.08800	-25.04700	-25.10000	-.03990	-.05280	.05760
.251	-20.094	-20.22600	-20.04100	-20.02200	-20.08900	.18520	-.06700	.11520
.251	-15.046	-15.00000	-15.01200	-15.10900	-15.06400	-.01160	.04440	.16130
.252	-10.019	-9.98130	-10.02000	-10.06800	-10.00600	-.03820	.06210	.06910
.251	-4.973	-4.81000	-4.98020	-5.08900	-5.01400	-.17020	.07500	.17280
.251	.003	.00000	.04000	-.02930	.00000	.04000	.02930	.08060
.252	5.034	5.11000	5.03690	4.97050	5.01800	-.07310	.04750	.00000
.251	9.984	9.93200	10.02400	9.95580	10.02300	.09200	.06740	.09220
.251	14.781	14.92800	14.20700	14.94500	15.04400	-.72120	.09930	-.02400
.251	20.163	20.62000	20.02800	19.94800	20.05600	-.59150	.10760	.16130
	GRADIENT	.96664	1.00888	1.01682	1.00764	.04224	-.00918	-.01853

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (D2Q0J2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 339/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.251	-11.730	.00000	.06000	.01060	-.01150	.06000	-.02210	-.01200
.251	-8.008	-.00980	.06000	-.00980	-.03450	.06980	-.02470	.17280
.252	-5.882	.00000	.06000	-.08790	-.02300	.06000	.06490	.05760
.252	-2.998	.00000	.07000	.03180	-.01150	.07000	-.04330	-.01200
.252	.119	.00000	.03000	-.13680	-.02300	.03000	.11380	-.04810
.252	3.013	.00000	.05000	-.00980	.00000	.05000	.00980	.06910
.252	6.030	-.00980	.03000	-.14660	-.01150	.03980	.13510	-.02400
.252	7.951	.00000	.06000	-.05860	-.02300	.06000	.03560	.10370
.251	12.037	-.00980	.06000	-.00980	-.02300	.06980	-.01320	.01150
.252	16.424	.00000	.05000	-.10750	-.02300	.05000	.08450	-.04810
.251	22.500	.00000	.06000	-.03910	.00000	.06000	.03910	.01150
	GRADIENT	.00000	-.00345	-.00752	.00184	-.00345	.00936	.01317

ARC 218-1-12 OA101 (OV102) (E2Q001) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 172/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-7.765	-.15570	-.15440	-.15650	-.15140	-.15690	-.16160	-.16460	-.18750	-.09080	-.12150
.251	-5.357	-.15860	-.15780	-.15780	-.16290	-.16080	-.16290	-.16630	-.17780	-.02200	-.06600
.252	-.068	-.15050	-.14930	-.15140	-.14880	-.14630	-.15390	-.14970	-.15940	.09870	.06810
.251	2.087	-.15660	-.15580	-.15660	-.15620	-.15960	-.16000	-.16430	-.17710	.12390	.09660
.251	4.274	-.16630	-.16080	-.16330	-.16420	-.16460	-.16670	-.17530	-.19270	.14770	.12290
.251	5.652	-.16830	-.16710	-.16790	-.16620	-.17090	-.17130	-.18280	-.21170	.16160	.13610
.251	6.588	-.17210	-.17210	-.17420	-.16960	-.17600	-.17720	-.19130	-.22580	.16700	.14140
.251	7.693	-.16990	-.17290	-.16700	-.17160	-.17420	-.17670	-.19710	-.24300	.17730	.14530
.251	8.804	-.17410	-.17660	-.17190	-.17450	-.17920	-.17580	-.21020	-.25230	.17960	.14000
.250	9.855	-.18200	-.18240	-.18110	-.18330	-.17810	-.19270	-.22210	-.28240	.17410	.14150
.251	10.963	-.16980	-.17750	-.17490	-.17700	-.17920	-.17960	-.22030	-.28530	.17650	.14800
.251	11.992	-.18320	-.18270	-.18400	-.17510	-.17590	-.18870	-.23300	-.30280	.16930	.14760
.251	13.139	-.18550	-.18170	-.18590	-.18340	-.18590	-.19910	-.23910	-.31920	.16260	.14340
.251	15.152	-.18820	-.18870	-.18690	-.18740	-.19250	-.20140	-.24400	-.32280	.14860	.13230
.249	17.287	-.20740	-.20520	-.20430	-.20090	-.21470	-.21900	-.26670	-.33000	.11590	.10080
.251	18.433	-.21510	-.21080	-.21340	-.20830	-.21460	-.22100	-.27740	-.32950	.10110	.08360
	GRADIENT	-.00364	-.00265	-.00274	-.00355	-.00421	-.00295	-.00589	-.00767	.01128	.01262

ARC 218-1-12 OA101 (OV102) (E2Q002) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 184/ 0 RN/L = 7.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-8.036	-.16140	-.15720	-.15930	-.15960	-.16300	-.16380	-.17070	-.19550	-.08750	-.13210
.251	-5.355	-.15030	-.15320	-.15480	-.15560	-.15320	-.15770	-.16410	-.17160	-.01640	-.06260
.250	-.092	-.15360	-.15360	-.15600	-.15070	-.15330	-.15760	-.15900	-.15650	.09720	.06300
.250	2.130	-.15550	-.16080	-.15920	-.15650	-.16540	-.16190	-.16350	-.17340	.12750	.09780
.250	2.865	-.15600	-.15660	-.15580	-.15500	-.15740	-.15360	-.16140	-.17230	.14080	.11730
.251	3.958	-.16020	-.15780	-.16130	-.15440	-.15700	-.16070	-.16820	-.18310	.15430	.12780
.250	4.416	-.16090	-.16200	-.16440	-.15930	-.16380	-.16170	-.17050	-.19000	.15780	.13170
.250	5.087	-.16800	-.16430	-.16720	-.16670	-.16910	-.17470	-.17980	-.20350	.15760	.13380
.250	5.689	-.16450	-.16420	-.16560	-.16500	-.16770	-.17300	-.18740	-.21140	.16890	.13430
.251	6.583	-.16810	-.16920	-.16600	-.16920	-.17390	-.17500	-.19540	-.21830	.17490	.14050
.250	7.737	-.17640	-.17020	-.17580	-.17500	-.17800	-.18220	-.20300	-.24510	.17690	.14710
.251	8.916	-.17800	-.17480	-.17850	-.17480	-.18150	-.17880	-.20960	-.25180	.18300	.14990
.251	10.007	-.17590	-.17990	-.17960	-.18010	-.17910	-.18600	-.21910	-.27170	.18250	.15570
.252	10.781	-.18130	-.18210	-.17770	-.17790	-.17900	-.18820	-.22490	-.28780	.18030	.15420
.251	11.111	-.17850	-.17820	-.17930	-.17580	-.18170	-.18830	-.22610	-.28570	.18450	.14900
.251	12.097	-.18100	-.18050	-.17970	-.17730	-.18180	-.18930	-.22990	-.30470	.17820	.15280
.251	13.302	-.18500	-.18550	-.18390	-.18580	-.19030	-.19460	-.24560	-.31940	.17190	.14070
.250	15.376	-.19470	-.19470	-.18940	-.18960	-.19900	-.20990	-.25370	-.34290	.14970	.12540
.250	17.601	-.21130	-.21000	-.21320	-.21050	-.21770	-.22550	-.27640	-.34130	.11950	.09790
.250	18.700	-.22010	-.21660	-.21610	-.21390	-.21950	-.23210	-.27850	-.33350	.10270	.07960
	GRADIENT	-.00165	-.00135	-.00158	-.00141	-.00141	-.00064	-.00240	-.00695	.01376	.01567

ARC 218-1-12 OA101 (OV102) (E20003) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 191/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.081	-.14870	-.15340	-.15560	-.15180	-.15640	-.15500	-.16060	-.17510	.06510	-.13440
.251	-4.127	-.15800	-.15490	-.15540	-.15410	-.15860	-.16120	-.16470	-.17790	.03580	-.10870
.252	-2.096	-.15240	-.15480	-.15610	-.15430	-.15790	-.15790	-.16510	-.17510	.01240	-.08580
.251	-.014	-.15780	-.15810	-.16180	-.16070	-.16580	-.16440	-.16580	-.17900	-.01530	-.05940
.251	1.956	-.16070	-.16150	-.16280	-.16260	-.16310	-.16390	-.16680	-.17660	-.03520	-.03150
.252	4.032	-.15920	-.16110	-.15630	-.16030	-.15920	-.15660	-.16110	-.16660	-.06610	.00300
.251	6.003	-.16420	-.16630	-.16710	-.16630	-.16740	-.16310	-.16980	-.17960	-.09400	.02300
.251	7.224	-.16650	-.16330	-.16540	-.16460	-.16830	-.16720	-.17420	-.17890	-.10990	.04100
	GRADIENT	-.00052	-.00094	-.00042	-.00102	-.00032	.00016	.00027	.00104	-.01235	.01363

ARC 218-1-12 OA101 (OV102) (E20004) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 192/ 0 RN/L = 7.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.198	-.14750	-.14700	-.14570	-.14600	-.14620	-.15180	-.15230	-.15840	.20940	-.04350
.252	-4.151	-.14790	-.14500	-.14980	-.14530	-.14710	-.14660	-.14740	-.15480	.17800	-.00730
.251	-2.041	-.15830	-.15620	-.15620	-.15380	-.15220	-.15510	-.15700	-.16520	.13630	.02430
.252	-1.063	-.14730	-.14840	-.14940	-.14940	-.15050	-.15050	-.15700	-.15650	.12140	.05100
.252	.010	-.14830	-.14880	-.15220	-.14990	-.14850	-.15120	-.14910	-.15880	.10070	.06750
.252	.559	-.14640	-.14510	-.14560	-.14350	-.14410	-.14830	-.14930	-.15380	.09210	.08220
.252	1.063	-.15440	-.14710	-.14890	-.15130	-.15390	-.15210	-.15550	-.15840	.08500	.08760
.251	2.105	-.15570	-.15680	-.15520	-.15310	-.15620	-.15650	-.15840	-.15890	.06740	.11070
.252	3.078	-.15470	-.15360	-.15520	-.15230	-.15360	-.15230	-.15940	-.16370	.04850	.12720
.252	4.067	-.15210	-.15500	-.15290	-.15550	-.15470	-.15980	-.16370	-.15870	.03100	.14750
.251	6.074	-.16270	-.16430	-.16350	-.16320	-.16320	-.16450	-.16160	-.16690	-.00930	.17270
.251	8.030	-.16920	-.17060	-.17220	-.16920	-.16920	-.16820	-.16950	-.17060	-.04910	.19760
.251	10.038	-.17110	-.17220	-.17300	-.17270	-.16790	-.16920	-.17380	-.17350	-.08510	.23150
	GRADIENT	-.00050	-.00089	-.00034	-.00084	-.00088	-.00106	-.00147	-.00034	-.01762	.01912

ARC 218-1-12 OA101 (OV102) (E20005) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 173/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-6.204	-.15860	-.15700	-.15700	-.15940	-.15990	-.15700	-.16900	-.19600	.29910	-.00630
.253	-4.159	-.14660	-.15330	-.14950	-.15450	-.15910	-.16250	-.16880	-.19640	.25860	.05750
.251	-2.128	-.16550	-.16630	-.16720	-.16590	-.16840	-.16930	-.17900	-.20830	.20940	.08060
.251	.027	-.16430	-.16220	-.16980	-.16600	-.16770	-.16860	-.17950	-.20360	.16120	.13920
.251	2.109	-.17030	-.16820	-.17070	-.16900	-.17500	-.17670	-.18680	-.21730	.11850	.18270
.251	4.141	-.17240	-.16770	-.17200	-.17530	-.17110	-.17530	-.18340	-.21470	.06900	.23130
.251	6.245	-.17730	-.17900	-.18110	-.18490	-.18240	-.18910	-.20140	-.22630	.01370	.27340
.251	8.106	-.18640	-.18600	-.18260	-.18170	-.18380	-.18890	-.19780	-.22620	-.02680	.31230
.251	10.093	-.18490	-.18190	-.18490	-.18190	-.18660	-.18780	-.19920	-.22830	-.07270	.35780
.251	12.036	-.18540	-.18410	-.18320	-.18790	-.18410	-.18910	-.20140	-.23040	-.10950	.39420
	GRADIENT	-.00270	-.00147	-.00232	-.00214	-.00147	-.00158	-.00178	-.00218	-.02256	.02159

ARC 218-1-12 OA101 (OV102) (E20006) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 185/ 0 RN/L = 7.73 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.128	-.16570	-.16490	-.16710	-.16470	-.16970	-.17160	-.18160	-.20420	.29810	-.01100
.252	-4.098	-.16030	-.16900	-.16190	-.16290	-.16590	-.17240	-.18040	-.20830	.26010	.03510
.251	-2.122	-.16790	-.16840	-.17450	-.17450	-.17370	-.17580	-.18980	-.20860	.20980	.08300
.251	.029	-.17320	-.17580	-.17450	-.17080	-.17370	-.17290	-.18830	-.21180	.15830	.13610
.251	2.101	-.17580	-.17370	-.17580	-.17550	-.17530	-.17900	-.18900	-.21850	.11800	.18270
.251	4.110	-.17870	-.18320	-.18210	-.18190	-.18370	-.18210	-.19490	-.21720	.06450	.22910
.251	6.168	-.17780	-.18120	-.18200	-.18390	-.17830	-.18100	-.19890	-.21710	.02550	.27450
.251	8.131	-.19000	-.19110	-.19240	-.19260	-.19180	-.19720	-.20730	-.23680	-.02700	.31450
.251	10.043	-.18490	-.18520	-.18570	-.18650	-.18360	-.18990	-.20340	-.22980	-.06710	.35880
	GRADIENT	-.00216	-.00163	-.00201	-.00188	-.00179	-.00109	-.00136	-.00135	-.02340	.02363

ARC 218-1-12 OA101 (OV102) (E2Q007) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 193/ 0 RN/L = 7.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.055	-.17440	-.17330	-.17600	-.17280	-.17760	-.18770	-.22790	-.28890	.33880	-.00940
.251	-4.079	-.17400	-.17620	-.17800	-.17540	-.17800	-.18550	-.22420	-.29120	.28780	.04550
.251	-1.970	-.18170	-.18250	-.17820	-.18220	-.18140	-.19080	-.22590	-.29650	.23080	.10050
.252	-1.104	-.17120	-.17250	-.17390	-.17410	-.17570	-.18570	-.22450	-.29460	.21700	.12920
.251	.009	-.17880	-.17880	-.17660	-.17820	-.18090	-.19070	-.22860	-.30210	.18440	.15460
.251	.537	-.17890	-.18210	-.17650	-.18050	-.18740	-.19060	-.23150	-.30570	.17010	.16540
.251	1.040	-.18290	-.18240	-.17970	-.17970	-.18660	-.18610	-.22880	-.30090	.15650	.18250
.251	2.121	-.18990	-.18330	-.18620	-.18250	-.19150	-.19340	-.23610	-.30820	.12490	.21290
.251	3.133	-.18920	-.18410	-.18520	-.18550	-.18650	-.19500	-.23130	-.29350	.10490	.23910
.251	4.132	-.19570	-.19250	-.19360	-.18590	-.18820	-.19170	-.23840	-.30580	.07440	.25830
.251	6.078	-.20810	-.20910	-.20650	-.20620	-.20460	-.21100	-.25040	-.32640	.01610	.30570
.251	8.089	-.19880	-.20170	-.20250	-.20060	-.19740	-.21230	-.23960	-.31350	-.03620	.36360
.251	10.101	-.20730	-.20780	-.20410	-.20710	-.21400	-.21320	-.24530	-.31400	-.08810	.41790
	GRADIENT	-.00262	-.00166	-.00186	-.00125	-.00159	-.00091	-.00169	-.00141	-.02590	.02629

ARC 218-1-12 OA101 (OV102) (E2Q008) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 194/ 0 RN/L = 7.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.249	-5.756	-.19800	-.19880	-.19660	-.20120	-.19990	-.20930	-.26080	-.36940	.31090	-.07340
.250	-3.830	-.20050	-.19620	-.19510	-.20080	-.20260	-.21600	-.26640	-.36560	.25360	-.00830
.250	-2.007	-.20090	-.19660	-.19550	-.19850	-.20090	-.21180	-.25900	-.36010	.20340	.05060
.250	-.001	-.20720	-.20370	-.20530	-.20800	-.20690	-.22460	-.26610	-.35150	.13880	.11730
.249	2.054	-.21100	-.20990	-.21150	-.21100	-.21290	-.22360	-.27070	-.34490	.07430	.17360
.249	4.043	-.21070	-.20810	-.21100	-.21100	-.21420	-.21990	-.26470	-.33370	.01150	.23660
.250	6.024	-.21320	-.21370	-.21240	-.21320	-.21510	-.22580	-.26540	-.32400	-.03920	.29660
.250	6.857	-.21400	-.21130	-.21210	-.21210	-.21500	-.22600	-.26350	-.31460	-.06970	.32620
	GRADIENT	-.00154	-.00188	-.00242	-.00167	-.00179	-.00099	-.00044	.00399	-.03098	.03093

ARC 218-1-12 OA101 (OV102) (E2Q009) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 8.000

RUN NO. 188/ 0 RN/L = 7.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-7.710	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09910	-.09570
.251	-5.636	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.03610	-.03900
.251	-.028	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06170	.10310
.251	2.664	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10070	.15280
.251	5.536	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12220	.19360
.251	7.172	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12790	.19770
.252	8.852	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13460	.20630
.251	11.020	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12900	.20850
.251	13.229	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11680	.20040
.250	16.453	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07630	.17790
.249	18.537	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04390	.14570
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01449	.01846

ARC 218-1-12 OA101 (OV102) (E2Q010) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 189/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-7.827	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08600	-.12270
.252	-5.298	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.00750	-.05600
.251	.011	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10100	.06870
.251	2.843	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13990	.11190
.251	5.770	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17190	.13910
.252	7.294	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18320	.15000
.251	9.030	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18410	.15080
.252	11.293	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18550	.15300
.251	13.415	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17590	.14440
.250	16.531	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13980	.11520
.249	18.789	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10650	.07650
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01374	.01526

ARC 218-1-12 OA101 (OV102) (E2Q011) (01 FEB 78)

PEFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 190/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-7.976	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08830	-.13220
.251	-5.507	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02070	-.06150
.251	-.199	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10350	.06870
.251	2.638	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14580	.11530
.250	4.853	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15770	.13960
.251	5.642	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17060	.13710
.251	7.135	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17740	.14520
.251	8.787	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18580	.14990
.251	10.860	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18600	.15440
.251	13.106	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17350	.14530
.250	16.238	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14400	.11570
.250	18.469	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11200	.08240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01092	.01414

ARC 218-1-12 OA101 (OV102) (E2Q012) (01 FEB 78)

PEFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 199/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-35.083	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02870	-.06860
.250	-29.746	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.03040	-.07240
.251	-25.039	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02120	-.06870
.251	-20.088	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02760	-.07280
.251	-15.022	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02150	-.06800
.250	-10.052	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02550	-.06690
.251	-4.950	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02110	-.06680
.250	.003	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01730	-.06270
.250	4.990	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01230	-.05800
.250	9.984	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01640	-.05720
.250	14.990	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01030	-.05200
.250	20.180	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.00800	-.05110
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	.00089	.00089

ARC 218-1-12 OA101 (OV102) (E2Q013) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 200/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-35.093	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09500	.06130
.250	-30.006	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09000	.05940
.250	-25.052	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08780	.05940
.250	-20.099	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09160	.06100
.250	-15.026	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09310	.05780
.250	-9.996	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09520	.06250
.250	-4.968	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09620	.06720
.250	.013	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09700	.06590
.250	5.032	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09710	.06920
.250	9.971	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10180	.07250
.250	14.979	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10400	.07260
.249	20.193	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10600	.07930
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00016	-.00026

ARC 218-1-12 OA101 (OV102) (E2Q014) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 174/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-35.128	-.12560	-.11920	-.12850	-.13060	-.12560	-.13150	-.14120	-.14080	.15740	.13400
.250	-29.989	-.13880	-.12820	-.12820	-.13160	-.13160	-.14000	-.14720	-.14930	.15460	.13510
.250	-25.047	-.16350	-.15300	-.15380	-.15550	-.16140	-.16820	-.17530	-.18080	.15500	.13600
.250	-20.092	-.15720	-.15970	-.15510	-.15840	-.16940	-.17110	-.17650	-.18580	.15300	.13400
.250	-15.047	-.16020	-.16440	-.16700	-.16610	-.16700	-.17200	-.18080	-.18080	.15920	.13390
.250	-10.008	-.15590	-.15500	-.15920	-.15460	-.16130	-.16260	-.16600	-.16550	.15750	.13730
.250	-4.998	-.15690	-.15730	-.15780	-.15310	-.15310	-.15860	-.16620	-.18000	.15690	.13920
.250	-.012	-.16980	-.16860	-.16900	-.17400	-.16690	-.17070	-.18460	-.20650	.15100	.13360
.251	5.000	-.18180	-.17720	-.18180	-.18180	-.18010	-.18680	-.20310	-.24620	.16360	.13800
.250	9.981	-.21470	-.21470	-.21550	-.21630	-.22100	-.23600	-.25110	-.32870	.15730	.13760
.250	14.967	-.26620	-.26710	-.27170	-.26960	-.27210	-.29140	-.31660	-.43260	.15990	.14260
.249	20.154	-.35240	-.34940	-.34810	-.35150	-.36120	-.38200	-.47750	-.75910	.15890	.14070
	GRADIENT	-.00249	-.00199	-.00240	-.00287	-.00270	-.00282	-.00369	-.00662	.00067	-.00012

ARC 218-1-12 0A101 (0V102) (E2Q015) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 186/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-35.231	-.13360	-.13100	-.12170	-.12590	-.12940	-.13580	-.14290	-.14000	.16380	.13470
.251	-30.286	-.13360	-.12480	-.12850	-.13220	-.13070	-.13300	-.13990	-.15020	.16940	.13570
.251	-25.153	-.16030	-.15850	-.15420	-.16460	-.16460	-.17100	-.17920	-.18080	.16480	.13150
.251	-20.057	-.16050	-.15890	-.16030	-.16420	-.16690	-.17450	-.17610	-.17530	.16660	.13790
.251	-15.076	-.16230	-.15640	-.15250	-.15880	-.17050	-.16890	-.17340	-.17530	.16650	.13580
.251	-10.100	-.15790	-.15760	-.15390	-.15680	-.16290	-.16480	-.17060	-.16800	.16810	.13690
.251	-5.021	-.15780	-.15850	-.16120	-.15830	-.16410	-.16510	-.16860	-.17990	.17030	.13740
.251	-.015	-.16930	-.16690	-.16640	-.16480	-.16850	-.17490	-.18660	-.20650	.16290	.13320
.251	4.958	-.18970	-.18860	-.19130	-.18630	-.19020	-.19690	-.21630	-.26230	.16790	.13500
.251	9.926	-.22220	-.22030	-.22170	-.22330	-.22700	-.24180	-.25960	-.34980	.16960	.13630
.251	14.909	-.27760	-.27600	-.27390	-.27600	-.28160	-.29670	-.32300	-.45620	.16950	.14010
.250	20.116	-.36980	-.36660	-.36870	-.37710	-.37920	-.41520	-.50420	-.80070	.16230	.13540
	GRADIENT	-.00410	-.00436	-.00501	-.00432	-.00436	-.00442	-.00597	-.01122	.00101	.00036

ARC 218-1-12 OA101 (OV102) (E2Q016) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 201/ 0 RN/L = 7.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.249	-35.120	-.14230	-.13800	-.14360	-.14680	-.14920	-.14810	-.14650	-.15210	.18530	.15440
.250	-29.983	-.14120	-.13850	-.14330	-.14570	-.14680	-.14330	-.15400	-.15160	.18590	.15500
.250	-25.051	-.16300	-.16480	-.16060	-.16320	-.16830	-.16510	-.17390	-.17860	.18510	.15490
.251	-20.087	-.17070	-.16460	-.16960	-.16990	-.18160	-.18450	-.18740	-.19140	.18070	.15320
.251	-15.044	-.17290	-.16650	-.16650	-.16920	-.18530	-.18080	-.19650	-.20630	.18270	.15440
.252	-10.001	-.16790	-.16300	-.16110	-.16640	-.17270	-.18260	-.19350	-.21270	.18840	.15780
.252	-4.976	-.17230	-.16860	-.17390	-.16890	-.18180	-.18280	-.20670	-.23780	.18660	.15460
.251	-.012	-.17430	-.17490	-.17430	-.17330	-.17430	-.18360	-.22340	-.27040	.18280	.15310
.251	5.018	-.19450	-.19760	-.19420	-.19660	-.19390	-.20950	-.25150	-.34860	.18520	.15440
.251	9.971	-.25050	-.24700	-.24650	-.24810	-.25000	-.27140	-.30640	-.49020	.18510	.15290
.250	14.993	-.31360	-.31970	-.31460	-.31890	-.32260	-.34440	-.39630	-.62900	.18110	.15380
.250	20.171	-.44100	-.44180	-.44180	-.44370	-.45490	-.49680	-.63130	-1.03130	.17900	.14890
	GRADIENT	-.00040	-.00127	-.00008	-.00089	.00151	-.00016	-.00336	-.00657	-.00077	-.00030

ARC 218-1-12 OA101 (OV102) (E2Q017) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 202/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-35.130	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14520	.11380
.250	-29.983	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14390	.11600
.250	-25.066	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14880	.11970
.250	-20.112	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14700	.12190
.250	-15.032	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14200	.11810
.250	-10.014	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14430	.11320
.250	-4.961	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13910	.11140
.249	.000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14210	.11400
.249	5.015	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13940	.10530
.248	9.983	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13760	.10960
.248	14.973	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13770	.11210
.247	20.183	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13000	.10230
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00060	.00052

ARC 218-1-12 OA101 (OV102) (E2Q018) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 176/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-6.131	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29470	-.01090
.251	-4.200	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25000	.03520
.251	-2.144	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20210	.07850
.252	-1.137	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18670	.11090
.251	-.315	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16540	.12290
.251	.356	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15500	.14110
.251	.691	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15060	.15060
.251	1.145	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13620	.16270
.251	2.129	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11560	.18280
.252	3.157	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09140	.20690
.251	4.160	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06710	.22960
.251	6.166	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01410	.27090
.251	7.950	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02310	.30730
.251	10.084	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07310	.34820
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02153	.02347

ARC 218-1-12 OA101 (OV102) (E2Q019) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 177/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.110	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29370	-.01030
.251	-4.193	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25330	.03880
.251	-2.130	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20620	.08630
.251	-1.114	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18370	.10670
.251	-.299	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16380	.12630
.251	.346	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15830	.14620
.251	.679	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15020	.14940
.251	1.152	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14000	.16220
.251	2.108	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11620	.18010
.251	3.168	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08950	.20270
.251	4.155	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06450	.23160
.251	6.163	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01810	.27260
.251	8.155	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02700	.31770
.251	10.097	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.06880	.35280
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.02214	.02277

ARC 218-1-12 OA101 (OV102) (E2Q020) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 178/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.118	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29610	-.01300
.251	-4.203	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25670	.03640
.251	-2.127	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20550	.08530
.250	-1.123	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18470	.10790
.250	-.277	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16320	.12900
.250	.334	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15730	.14180
.250	.679	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15100	.14940
.250	1.132	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13770	.16120
.251	2.136	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11650	.18870
.251	3.166	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08880	.21060
.251	4.159	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07080	.23010
.251	6.166	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.02200	.27580
.251	8.118	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01890	.31940
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02201	.02346

ARC 218-1-12 OA101 (OV102) (E2Q021) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 179/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-6.115	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29640	-.00440
.250	-4.196	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25780	.03640
.251	-2.118	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.21240	.08990
.250	-1.114	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18710	.11070
.250	-.298	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16650	.13040
.250	.667	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14660	.15340
.251	1.144	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13740	.16260
.250	2.132	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11630	.18820
.250	3.156	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08890	.21390
.250	4.157	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06880	.23290
.251	6.166	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.02200	.27680
.251	8.130	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02140	.31670
.250	10.095	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07370	.35250
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02271	.02358

ARC 218-1-12 OA101 (OV102) (E2Q022) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 183/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.044	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.33070	-.02040
.251	-4.163	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.28710	.04230
.251	-1.983	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.23650	.10490
.252	-1.106	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.21090	.11980
.252	.011	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17950	.14760
.251	.534	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16130	.15750
.251	1.040	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15280	.17310
.251	2.094	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12500	.19850
.252	3.157	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09920	.22550
.251	4.113	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06490	.25150
.251	6.137	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01590	.30690
.251	8.053	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04010	.35840
.251	10.153	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10170	.41000
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02674	.02479

ARC 218-1-12 OA101 (OV102) (E2Q023) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 182/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.169	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.33260	-.01870
.252	-4.126	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.28890	.04210
.252	-1.998	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.23220	.09750
.251	-1.123	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20760	.11820
.251	.010	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18320	.14810
.251	.514	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16370	.15530
.250	1.040	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15010	.17110
.251	2.082	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12180	.19750
.250	3.108	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09240	.22500
.251	4.109	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06790	.25100
.251	6.046	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01760	.30610
.251	8.173	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04380	.35700
.250	10.275	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10620	.41210
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.02701	.02517

ARC 218-1-12 OA101 (OV102) (E2Q024) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 181/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-6.108	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.33190	-.02480
.250	-4.125	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.28300	.03970
.251	-1.986	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.22960	.09440
.251	-1.056	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20460	.11670
.251	.054	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17990	.14370
.251	.525	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16550	.15580
.251	1.021	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15260	.16800
.251	2.142	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12430	.19630
.251	3.158	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09650	.22730
.251	4.162	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07030	.25410
.251	6.117	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01630	.30760
.251	8.120	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04250	.36150
.251	10.099	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09620	.40810
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02566	.02572

ARC 218-1-12 OA101 (OV102) (E20025) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 180/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-6.078	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.33230	-.01640
.250	-4.095	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.28530	.03830
.250	-2.007	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.22890	.09970
.250	-1.073	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20390	.12170
.250	.053	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17400	.14660
.250	.565	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16580	.16200
.250	1.083	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14960	.17320
.251	2.139	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12030	.19760
.251	3.155	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09510	.22630
.251	4.189	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06600	.25360
.251	6.110	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01280	.30810
.250	8.122	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04540	.35500
.250	10.086	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10090	.41090
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.02626	.02543

ARC 218-1-12 OA101 (OV102) (E2Q026) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 196/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-35.117	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05130	.09260
.252	-29.987	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05210	.09280
.253	-25.209	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05640	.10270
.252	-20.107	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05450	.09550
.252	-15.044	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05080	.09200
.252	-10.023	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05330	.09350
.252	-4.998	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05830	.10390
.252	.004	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05560	.10280
.252	5.004	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05430	.09550
.252	9.984	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06410	.10710
.252	14.975	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06330	.10850
.251	20.174	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05720	.10720
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00054	-.00022

ARC 218-1-12 OA101 (OV102) (E2Q027) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = 2.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 197/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-35.112	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11360	.18630
.252	-29.992	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11260	.18050
.253	-25.059	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12380	.19280
.253	-20.085	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11080	.18720
.252	-15.047	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11250	.18060
.252	-10.022	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11280	.18300
.253	-4.956	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11780	.18700
.253	-.006	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11930	.18560
.252	5.001	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11430	.18640
.252	9.969	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11840	.18730
.252	14.973	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11950	.18910
.251	20.186	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11950	.18920
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00030	-.00028

ARC 218-1-12 OA101 (OV102) (E2Q028) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 198/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-35.137	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12720	.19940
.252	-29.987	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12410	.20110
.252	-25.057	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12540	.19890
.252	-20.107	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12940	.19900
.252	-15.039	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12220	.19690
.253	-10.021	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12820	.19920
.253	-4.983	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12780	.19730
.252	-.005	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12330	.19540
.252	4.993	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12150	.19590
.252	9.977	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12500	.19770
.251	14.973	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12260	.19490
.251	20.163	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12380	.19520
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00063	-.00014

ARC 218-1-12 OA101 (OV102) (E2Q029) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 204/ 0 RN/L = 7.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-10.065	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17400	.14290
.250	-7.563	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17060	.13860
.250	-5.010	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17080	.13930
.249	-4.007	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17290	.13420
.249	-2.997	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16850	.13650
.248	-1.993	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16740	.13860
.248	-.994	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17220	.13640
.248	.011	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17240	.13710
.249	.977	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17230	.14050
.249	1.997	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16620	.13880
.249	3.024	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17050	.14380
.249	4.050	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16940	.14150
.249	5.051	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16780	.14100
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00017	.00092

ARC 218-1-12 OA101 (OV102) (E2Q030) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 203/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.249	-10.000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16970	.13570
.250	-7.518	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17210	.12940
.250	-4.989	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16710	.13730
.250	-3.976	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17110	.13950
.250	-2.984	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17190	.13880
.250	-2.021	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17260	.13810
.250	-.986	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17260	.13690
.250	-.004	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17200	.13480
.250	.943	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16910	.13870
.250	1.967	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17090	.14050
.250	2.949	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17130	.14030
.250	3.974	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17390	.14190
.250	4.994	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17180	.14250
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00024	.00043

ARC 218-1-12 OA101 (OV102) (E2Q031) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 227/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-10.004	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09290	.06100
.252	-7.495	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09080	.05940
.253	-4.954	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09170	.06560
.252	-3.949	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09000	.06330
.252	-2.933	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09510	.06550
.251	-1.966	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09070	.06100
.252	-.982	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09410	.06460
.251	.015	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09250	.06460
.251	1.023	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08940	.06360
.251	2.002	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09350	.06220
.251	2.995	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09230	.06650
.251	4.024	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08530	.05820
.251	5.039	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09020	.06020
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00034	-.00032

ARC 218-1-12 OA101 (OV102) (E2Q032) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 228/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-10.008	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15460	.13340
.251	-7.528	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15720	.13140
.251	-4.959	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15380	.13270
.251	-3.970	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15510	.13360
.251	-2.946	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15650	.13490
.250	-1.973	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15630	.13120
.250	-.005	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15120	.13130
.251	1.010	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15730	.13710
.251	1.985	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15800	.13650
.251	2.991	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15430	.13020
.251	4.029	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16180	.13910
.251	5.023	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15700	.14010
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00044	.00035

ARC 218-1-12 OA101 (OV102) (E2Q033) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 205/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.249	-10.017	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17350	.13840
.249	-7.513	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17100	.14120
.248	-4.950	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17470	.13360
.249	-3.935	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17570	.13710
.248	-2.941	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17240	.13810
.248	-1.959	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17260	.13920
.248	-.977	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17020	.13390
.248	.008	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17470	.13920
.248	1.030	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17650	.14370
.248	1.998	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16800	.13870
.248	3.010	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17380	.13470
.249	4.020	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17500	.14290
.248	5.043	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16860	.13680
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00010	.00054

ARC 218-1-12 OA101 (OV102) (E2Q034) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 229/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-10.009	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17920	.14590
.251	-7.512	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17900	.14660
.251	-4.952	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17930	.14950
.251	-3.937	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17900	.14870
.251	-2.934	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18130	.14810
.251	-1.971	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17850	.14690
.251	-.953	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18010	.14900
.251	-.005	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17820	.14720
.251	1.037	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17310	.14830
.251	1.985	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17420	.14810
.251	3.016	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17610	.15050
.251	4.025	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17830	.14810
.251	5.034	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17750	.15440
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00050	.00002

ARC 218-1-12 OA101 (OV102) (E20035) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 230/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-10.013	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11870	.18420
.251	-7.523	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11460	.17980
.251	-4.943	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11220	.18630
.251	-3.969	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11930	.18940
.251	-2.939	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11520	.18530
.251	-1.970	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11240	.18400
.251	-.961	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11500	.18520
.251	.000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11540	.18670
.251	1.028	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11630	.18560
.251	2.011	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11830	.18870
.251	2.993	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11590	.18650
.251	4.015	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11370	.18870
.251	4.993	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11570	.18550
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	.00009	.00006

ARC 218-1-12 OA101 (OV102) (E2Q036) (01 FEB 78)

PEFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 207/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-7.838	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08950	-.12500
.251	-5.899	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.03330	-.07460
.251	-5.380	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01570	-.05690
.251	-2.525	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04980	.00520
.251	-.552	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09340	.06350
.250	-.129	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09100	.06200
.251	1.736	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12470	.09470
.251	2.477	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13620	.10950
.250	3.402	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14180	.11710
.251	4.786	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15410	.13700
.251	7.278	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17260	.14650
.251	8.823	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17320	.14250
.251	11.099	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17710	.15430
.251	13.268	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16830	.14880
.251	16.625	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13430	.11370
.252	18.515	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09950	.09170
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	.01427	.01725

ARC 218-1-12 OA101 (OV102) (E2Q037) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 214/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-30.069	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09070	.06210
.251	-25.107	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	,09080	.05850
.252	-20.058	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09210	.06190
.252	-15.050	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09370	.06470
.252	-9.973	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08960	.06430
.252	-5.007	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09420	.06850
.252	-.013	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09870	.06950
.252	4.968	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10020	.06890
.252	9.937	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09950	.06860
.252	15.159	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10100	.07400
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00030	-.00012

ARC 218-1-12 OA101 (OV102) (E2Q038) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 215/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-30.071	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16490	.12970
.252	-25.116	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16520	.13430
.252	-20.046	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16660	.13570
.252	-15.041	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16730	.13150
.252	-9.996	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16690	.12740
.252	-5.004	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16660	.13360
.252	.022	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16340	.13320
.252	4.961	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16980	.13770
.252	9.957	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17210	.13580
.251	15.149	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16650	.13780
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00130	.00091

ARC 218-1-12 OA101 (OV102) (E2Q039) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 216/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-30.081	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18330	.15470
.251	-25.104	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18160	.15180
.252	-20.108	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18300	.14870
.252	-15.023	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18600	.15060
.252	-9.983	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18070	.15220
.252	-5.014	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17910	.15180
.252	.012	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18210	.15490
.251	4.955	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17690	.15030
.251	9.943	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17650	.15450
.251	15.139	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18040	.15830
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00105	-.00093

ARC 218-1-12 OA101 (OV102) (E2Q040) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 221/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-22.911	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09700	.07040
.251	-18.119	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09570	.06660
.251	-14.965	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09970	.06910
.252	-10.052	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09910	.06900
.251	-5.010	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09160	.06290
.251	-2.467	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09270	.06270
.251	.161	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09250	.06670
.252	2.594	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09610	.06790
.251	5.064	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09730	.07070
.252	10.168	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10250	.06740
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	.00066	.00103

ARC 218-1-12 OA101 (OV102) (E2Q041) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 222/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-22.796	-.17100	-.17390	-.17470	-.17630	-.17590	-.17510	-.18570	-.20980	.15880	.13510
.251	-17.989	-.16890	-.16810	-.16850	-.17220	-.17300	-.17550	-.18360	-.20770	.15620	.13580
.251	-14.955	-.16590	-.16470	-.16830	-.16670	-.16390	-.17450	-.18260	-.20390	.15780	.13980
.251	-10.084	-.16420	-.16950	-.16540	-.17080	-.17160	-.17320	-.19040	-.20390	.15420	.13090
.252	-5.068	-.16380	-.16100	-.16020	-.16180	-.16300	-.16550	-.18010	-.20090	.15700	.13820
.252	-2.497	-.16100	-.15940	-.15900	-.16260	-.16140	-.16300	-.17810	-.19240	.16070	.13500
.251	.028	-.16530	-.16030	-.16480	-.16280	-.16940	-.16530	-.17920	-.20130	.15710	.13750
.252	2.537	-.16140	-.16340	-.15930	-.16140	-.16020	-.16910	-.17850	-.19930	.15660	.13700
.251	5.064	-.16140	-.16340	-.16300	-.16470	-.16630	-.16430	-.17160	-.20230	.15530	.13730
.252	10.148	-.15820	-.16060	-.16220	-.16020	-.16350	-.16430	-.17280	-.19680	.16090	.14010
	GRADIENT	-.00008	-.00079	-.00006	.00024	.00023	-.00121	-.00008	-.00137	-.00082	.00040

ARC 218-1-12 OA101 (OV102) (E2Q042) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 206/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.248	-22.911	-.17710	-.16740	-.16740	-.16820	-.17580	-.17900	-.18870	-.21700	.17170	.14370
.248	-18.054	-.16740	-.17040	-.17230	-.17520	-.16880	-.17600	-.18900	-.21270	.17560	.14150
.248	-15.063	-.17680	-.17320	-.17680	-.17700	-.17980	-.18080	-.19250	-.22160	.16900	.13850
.248	-9.894	-.16850	-.16960	-.16580	-.16670	-.17020	-.16580	-.18040	-.20990	.16990	.14190
.248	-4.888	-.16710	-.16840	-.16600	-.16710	-.16760	-.16730	-.17760	-.20560	.17100	.13690
.249	-2.447	-.16350	-.15650	-.15730	-.15490	-.15900	-.15900	-.17510	-.20170	.17850	.14220
.248	.057	-.16610	-.17050	-.16860	-.16310	-.16940	-.17130	-.18610	-.21190	.17390	.13570
.248	2.613	-.16690	-.16480	-.16290	-.16960	-.16180	-.17240	-.18210	-.20670	.17300	.14040
.248	5.111	-.16660	-.16420	-.16360	-.16660	-.17010	-.16770	-.17770	-.20290	.17290	.13950
.248	10.207	-.16960	-.16530	-.16440	-.16770	-.16360	-.17150	-.18020	-.20970	.16930	.13910
.251	18.233	-.17320	-.17270	-.17300	-.17140	-.17430	-.17110	-.18400	-.20790	.17140	.13790
.251	23.094	-.17530	-.17450	-.16950	-.17470	-.17740	-.17500	-.18820	-.21180	.17150	.13770
	GRADIENT	-.00008	-.00013	-.00008	-.00065	.00028	-.00111	-.00094	-.00054	.00005	.00016

ARC 218-1-12 OA101 (OV102) (E2Q043) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 223/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-22.911	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18180	.15290
.252	-17.928	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18130	.15480
.252	-15.024	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18060	.15160
.252	-9.989	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17890	.15230
.252	-5.000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18680	.16040
.252	-2.397	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17900	.15370
.252	.019	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17650	.15160
.252	2.518	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18170	.15310
.251	5.026	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17530	.15400
.252	10.168	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17980	.15240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00072	-.00097

ARC 218-1-12 OA101 (OV102) (E2Q044) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 224/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-22.854	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13850	.11500
.250	-18.022	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13660	.11340
.251	-15.043	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14120	.11980
.251	-9.946	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14060	.11340
.251	-4.990	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13760	.11620
.251	-2.497	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13960	.11750
.251	.038	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13820	.11310
.251	2.584	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13840	.11670
.251	5.054	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13810	.11880
.251	10.187	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13660	.11320
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	.00004	-.00011

ARC 218-1-12 OA101 (OV102) (E2Q045) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RN/L =	5.000		

RUN NO. 225/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-22.892	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12180	.19030
.252	-18.022	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11930	.18880
.252	-15.082	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11770	.19050
.251	-9.968	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11810	.18720
.252	-4.898	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11780	.18890
.251	-2.457	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11590	.18610
.251	.028	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11380	.18760
.251	2.622	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11950	.19040
.250	5.073	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11170	.18570
.252	10.138	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12080	.19160
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00013	.00025

ARC 218-1-12 OA101 (OV102) (E2Q046) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 208/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-7.927	-.16080	-.15880	-.16160	-.15760	-.16530	-.16850	-.17100	-.19370	-.09010	-.12180
.253	-5.459	-.15320	-.15600	-.15800	-.15930	-.15760	-.16500	-.16700	-.17710	-.01480	-.06400
.253	-.080	-.15020	-.14810	-.15180	-.14980	-.14940	-.15220	-.15500	-.15380	.09470	.06740
.253	2.469	-.15530	-.15370	-.15610	-.15450	-.15650	-.16020	-.16350	-.17490	.13020	.11350
.253	5.723	-.15910	-.16030	-.16480	-.16400	-.16600	-.16970	-.18100	-.20460	.16560	.14040
.252	7.188	-.17420	-.17180	-.17020	-.17220	-.17380	-.17830	-.19420	-.23290	.17180	.14400
.253	8.830	-.16810	-.16730	-.16980	-.17140	-.17630	-.18160	-.20390	-.24740	.18090	.14220
.253	11.027	-.17210	-.17610	-.17210	-.17170	-.17860	-.18300	-.21880	-.27970	.17990	.15430
.252	13.181	-.18200	-.18440	-.18650	-.18440	-.19050	-.19460	-.23900	-.31750	.17190	.14130
.252	16.642	-.19860	-.19860	-.19650	-.19820	-.20680	-.21580	-.25260	-.32910	.13330	.11110
.251	18.524	-.21700	-.21610	-.21740	-.21330	-.21900	-.23100	-.27910	-.33710	.10710	.08320
	GRADIENT	-.00200	-.00220	-.00169	-.00184	-.00278	-.00314	-.00333	-.00828	.01392	.01808

ARC 218-1-12 OA101 (OV102) (E2Q047) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 234/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.137	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29470	-.00540
.251	-4.163	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.24730	.03940
.251	-2.066	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20930	.08900
.251	-1.043	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18730	.11270
.251	-.226	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16480	.12870
.251	.610	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15180	.14930
.251	1.074	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13970	.16430
.251	2.090	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11160	.18690
.251	3.137	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09540	.21210
.251	4.147	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06920	.23080
.251	6.185	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01510	.26830
.251	8.227	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02870	.31570
.251	10.204	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07240	.35410
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.02169	.02334

ARC 218-1-12 OA101 (OV102) (E2Q048) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = -22.800
RN/L = 5.000

RUN NO. 233/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.146	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29570	-.00190
.252	-4.171	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25400	.04720
.251	-2.095	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20730	.08620
.251	-1.017	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18460	.10920
.251	-.226	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16300	.12650
.251	.598	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14700	.14660
.251	1.469	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13070	.17550
.251	2.091	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11190	.18310
.251	3.149	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08610	.20670
.251	4.138	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06960	.22940
.251	6.181	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01760	.27160
.251	8.201	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02900	.31030
.251	10.200	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07210	.35400
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.02247	.02248

ARC 218-1-12 OA101 (OV102) (E2Q049) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 211/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-7.937	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08870	-.13110
.252	-5.544	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02030	-.06720
.252	-.140	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09540	.06270
.252	2.433	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13310	.10660
.252	5.764	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16290	.13230
.252	8.950	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17850	.14140
.252	11.035	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17900	.15080
.252	13.158	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16980	.14040
.252	16.249	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14570	.11380
.251	18.496	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10800	.08080
	GRADIENT	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.01465	.01706

ARC 218-1-12 OA101 (OV102) (E2Q050) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 212/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-7.799	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08360	-.13060
.252	-5.335	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01730	-.05970
.252	-.101	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09450	.06840
.252	2.526	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13900	.11090
.252	5.723	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16130	.13190
.252	7.377	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17360	.14630
.252	8.940	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18110	.14330
.252	11.136	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18450	.14950
.252	13.313	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16820	.14000
.252	16.362	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14420	.11480
.250	18.593	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10830	.07770
	GRADIENT	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.01694	.01618

ARC 218-1-12 OA101 (OV102) (E2Q051) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 213/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-7.716	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08460	-.13540
.252	-5.429	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01090	-.05850
.252	-.015	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09220	.06230
.252	2.544	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13570	.11040
.253	5.796	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16840	.13880
.252	7.245	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17490	.14850
.252	8.990	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18090	.14140
.252	11.174	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18600	.15060
.252	13.300	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17080	.14060
.251	16.490	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14110	.11070
.250	18.657	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10980	.07920
	GRADIENT	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	.01699	.01879

ARC 218-1-12 OA101 (OV102) (E2Q052) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 219/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-11.627	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09390	.06320
.252	-7.921	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09830	.06820
.252	-6.056	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09500	.06760
.251	-3.072	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09580	.06550
.251	-.010	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09540	.06670
.251	3.144	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09870	.06610
.250	6.020	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09810	.06880
.251	8.071	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10040	.06920
.251	12.150	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09990	.07170
.251	16.406	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09590	.06290
.251	22.488	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09360	.06600
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00047	.00010

ARC 218-1-12 OA101 (OV102) (E2Q053) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 175/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-11.704	-.17770	-.17480	-.18190	-.17940	-.17730	-.18530	-.19030	-.21590	.15770	.13710
.251	-8.018	-.17110	-.16860	-.16990	-.17360	-.17030	-.17030	-.18240	-.20330	.16540	.13900
.250	-6.045	-.17820	-.17150	-.17230	-.17270	-.17150	-.17570	-.19000	-.20890	.15680	.13450
.250	-2.944	-.17080	-.17040	-.17080	-.17120	-.17460	-.18010	-.18810	-.21800	.15660	.13590
.250	.119	-.16890	-.16550	-.16760	-.16890	-.17020	-.17440	-.18270	-.20840	.15300	.13280
.250	3.033	-.17200	-.16490	-.16660	-.16660	-.16990	-.17200	-.18290	-.20640	.15320	.13260
.251	6.010	-.16370	-.15830	-.16330	-.16210	-.16420	-.16500	-.17800	-.20390	.15880	.13950
.250	8.092	-.16360	-.16490	-.16360	-.16700	-.17160	-.17080	-.17870	-.20470	.15960	.13770
.250	12.099	-.16570	-.16990	-.16740	-.16780	-.16780	-.17330	-.18250	-.20970	.15730	.13250
.251	16.424	-.16780	-.16610	-.16400	-.16320	-.16740	-.16440	-.17990	-.20650	.16210	.14120
.250	22.500	-.17300	-.17340	-.17550	-.16800	-.17930	-.17550	-.18550	-.21350	.15990	.14110
	GRADIENT	-.00019	.00093	.00071	.00077	.00079	.00136	.00088	.00195	-.00057	-.00056

ARC 218-1-12 OA101 (OV102) (E2Q054) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 187/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-11.713	-.18120	-.17930	-.18230	-.18550	-.18550	-.18440	-.20020	-.22180	.16570	.13180
.252	-8.028	-.17300	-.17720	-.17400	-.17700	-.17510	-.17960	-.19560	-.21560	.16580	.13280
.252	-6.089	-.16970	-.17180	-.17180	-.17500	-.16970	-.17660	-.18380	-.21110	.16340	.13550
.251	-2.955	-.17290	-.17370	-.17370	-.17320	-.17220	-.17510	-.18760	-.21220	.16690	.13250
.251	-.071	-.17300	-.16690	-.16690	-.17620	-.17270	-.17410	-.18530	-.20770	.16230	.13780
.251	3.013	-.16610	-.16930	-.16350	-.16080	-.16770	-.17200	-.17860	-.20710	.16630	.13440
.251	6.030	-.17310	-.16610	-.16590	-.16610	-.17120	-.17580	-.18730	-.21290	.16810	.13910
.251	8.092	-.16740	-.16560	-.17090	-.17250	-.16800	-.16960	-.18450	-.21390	.16940	.13800
.251	12.027	-.17450	-.17260	-.17070	-.16780	-.17310	-.17150	-.19080	-.21350	.16770	.13870
.251	16.469	-.16810	-.17030	-.16810	-.17510	-.17190	-.17800	-.18810	-.21260	.16850	.14250
.251	22.500	-.18080	-.18210	-.18020	-.17840	-.18580	-.18800	-.19920	-.22530	.17010	.13980
	GRADIENT	.00115	.00072	.00170	.00211	.00076	.00052	.00152	.00085	-.00008	.00030

ARC 218-1-12 OA10₁ (OV102) (E2Q055) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 220/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-11.781	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18720	.15320
.251	-8.132	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18170	.15090
.251	-6.002	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18000	.15290
.251	-3.008	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17900	.14980
.251	-.050	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17990	.15200
.251	3.043	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18140	.15090
.251	5.920	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18300	.15140
.251	8.061	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17790	.15240
.251	12.099	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17920	.15050
.251	16.253	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17710	.14950
.251	22.500	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18530	.14910
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	.00040	.00018

ARC 218-1-12 0A101 (0V102) (E2Q056) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 271/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-8.017	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09090	-.13430
.251	-5.552	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01700	-.06260
.251	-4.690	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.00260	-.04800
.251	-.161	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09990	.06710
.251	2.662	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13750	.11070
.251	4.955	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15960	.13780
.251	5.617	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16620	.13500
.251	7.123	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17650	.14900
.251	8.847	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18440	.14370
.251	11.042	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18120	.15000
.250	13.227	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17130	.14080
.250	16.418	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13990	.11050
.249	18.662	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11160	.08160
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	.01647	.01945

ARC 218-1-12 OA101 (OV102) (E2Q057) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 256/ 0 RN/L = 7.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-8.100	-.15540	-.15510	-.15540	-.15590	-.15480	-.15960	-.16660	-.19170	-.08940	-.13420
.252	-5.522	-.15240	-.15490	-.15030	-.15000	-.15680	-.15860	-.16320	-.17000	-.02090	-.05990
.252	-.130	-.14570	-.14620	-.14430	-.14160	-.14730	-.14620	-.14750	-.15530	.09510	.06750
.251	2.684	-.15120	-.15600	-.15850	-.15360	-.15550	-.16170	-.16690	-.17740	.13470	.10770
.251	5.655	-.15970	-.15970	-.15840	-.16190	-.16270	-.16430	-.17910	-.20660	.16750	.13900
.251	7.231	-.16620	-.16970	-.16490	-.16700	-.16540	-.17130	-.19120	-.23040	.17700	.14130
.251	8.971	-.16870	-.16870	-.16420	-.16390	-.17170	-.17490	-.20660	-.24850	.18250	.14930
.251	11.214	-.17410	-.16820	-.17200	-.17090	-.17890	-.18320	-.22410	-.28920	.18070	.15230
.251	13.416	-.17360	-.17980	-.17470	-.17550	-.17870	-.18750	-.23410	-.31860	.17490	.14720
.250	16.709	-.19750	-.20050	-.19910	-.20210	-.20020	-.21840	-.26170	-.33840	.13860	.11070
.250	18.989	-.20520	-.20140	-.20330	-.21000	-.21140	-.22220	-.26760	-.32820	.10420	.07810
	GRADIENT	-.00195	-.00348	-.00505	-.00427	-.00291	-.00551	-.00690	-.00786	.01408	.01429

ARC 218-1-12 OA101 (OV102) (E2Q058) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 259/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.188	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06210	-.13100
.251	-4.182	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.03780	-.11300
.251	-2.088	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.00910	-.09540
.251	.045	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02190	-.06030
.251	2.034	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04060	-.03190
.251	4.145	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.06720	-.00070
.251	6.131	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09140	.02680
.251	7.437	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10530	.05140
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.01251	.01386

ARC 218-1-12 OA101 (OV102) (E20059) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 260/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.348	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20710	-.05200
.251	-4.263	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17530	-.01050
.251	-3.175	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16070	.01410
.251	-2.101	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13830	.03020
.251	-1.080	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12180	.04750
.250	-.002	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09630	.06270
.251	.535	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09450	.07120
.251	1.067	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07930	.08460
.251	2.121	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06330	.10520
.251	3.153	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04740	.12130
.251	4.197	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.02510	.14270
.251	6.239	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01190	.17210
.251	8.210	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04600	.21440
.250	10.273	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08830	.23420
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.01785	.01765

ARC 218-1-12 OA101 (OV102) (E2Q060) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 257/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.215	-.16270	-.16240	-.16450	-.15840	-.16320	-.16270	-.17440	-.19840	.29860	-.01230
.252	-4.235	-.15540	-.15760	-.15440	-.15310	-.15490	-.16230	-.17240	-.20020	.25720	.03710
.252	-2.124	-.15790	-.15840	-.15650	-.15920	-.16100	-.16400	-.17480	-.20450	.21150	.08420
.251	-1.084	-.16120	-.16150	-.16310	-.15860	-.15940	-.16870	-.18040	-.20830	.19110	.11470
.252	-.211	-.15820	-.16040	-.15980	-.16090	-.16510	-.16060	-.18130	-.20430	.16800	.13100
.252	.624	-.15680	-.15500	-.15340	-.15500	-.15870	-.16180	-.17240	-.20060	.15750	.15540
.252	1.104	-.15870	-.16210	-.16270	-.15690	-.15760	-.16690	-.17430	-.20190	.14200	.16580
.251	2.149	-.16710	-.16820	-.17080	-.17130	-.17160	-.17720	-.18550	-.20780	.11430	.18700
.251	3.197	-.17030	-.16850	-.17490	-.17270	-.17330	-.18040	-.18740	-.21290	.08870	.20740
.252	4.222	-.16600	-.17020	-.16440	-.16840	-.17210	-.17260	-.18480	-.21440	.06980	.22950
.252	6.274	-.17530	-.17470	-.17420	-.17160	-.17740	-.18030	-.19270	-.21740	.02140	.27480
.251	8.311	-.17840	-.17870	-.17820	-.18080	-.18130	-.18210	-.19540	-.22670	-.02520	.31720
.251	10.317	-.18310	-.18020	-.17940	-.17720	-.18120	-.18440	-.19690	-.22290	-.06570	.35590
	GRADIENT	-.00157	-.00159	-.00191	-.00212	-.00213	-.00188	-.00159	-.00139	-.02247	.02293

ARC 218-1-12 OA101 (OV102) (E2Q061) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 261/ 0 RN/L = 7.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.136	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.33930	-.00900
.250	-4.157	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29120	.04340
.250	-2.053	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.23580	.09740
.250	-1.130	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.21310	.11940
.251	.008	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18540	.15540
.251	.505	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17230	.16800
.250	1.001	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16040	.17710
.250	2.159	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12910	.21080
.250	3.146	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09900	.23780
.250	4.222	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07000	.25460
.251	6.199	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01740	.30800
.251	8.292	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04170	.36310
.251	10.266	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09320	.41400
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02625	.02595

ARC 218-1-12 OA101 (OV102) (E2Q062) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 262/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-5.776	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.30980	-.07310
.251	-3.911	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25430	-.01170
.250	-2.069	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.19760	.04060
.251	-.012	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13630	.11170
.251	2.083	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08040	.17570
.251	4.088	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01450	.23470
.251	6.130	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04600	.29430
.251	7.071	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07190	.32080
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.02961	.03117

ARC 218-1-12 0A101 (0V102) (E2Q063) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 269/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-22.815	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01440	-.05900
.251	-18.032	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01690	-.06690
.251	-15.053	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01920	-.06210
.251	-10.042	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01410	-.05740
.251	-4.939	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01950	-.06260
.251	-2.417	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01960	-.06270
.251	.019	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01440	-.05970
.251	2.518	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01530	-.05850
.251	5.102	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01500	-.06110
.251	10.050	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01830	-.05950
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	.00071	.00062

ARC 218-1-12 0A101 (0V102) (E2Q064) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 265/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-22.796	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09340	.06390
.251	-18.075	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10060	.07110
.251	-14.955	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09510	.06840
.251	-9.999	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09470	.06700
.251	-4.960	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09800	.06440
.251	-2.497	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10020	.06540
.251	.085	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09750	.06250
.251	2.594	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09950	.07280
.251	5.111	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09380	.06900
.251	10.305	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09370	.06370
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	.00007	.00088

ARC 218-1-12 OA101 (OV102) (E2Q065) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 255/ 0 RN/L = 7.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-22.825	-.17980	-.17770	-.17930	-.17610	-.17580	-.17670	-.18730	-.21150	.15630	.13420
.251	-18.022	-.16770	-.17430	-.16820	-.16980	-.17110	-.17140	-.18250	-.20430	.15620	.13710
.251	-14.975	-.16370	-.16840	-.16470	-.16760	-.16900	-.16580	-.17800	-.19950	.16200	.13320
.251	-9.968	-.16720	-.16850	-.16480	-.16210	-.16930	-.17090	-.18180	-.20520	.15560	.13320
.251	-4.836	-.16120	-.15910	-.15880	-.15940	-.16470	-.16710	-.17210	-.19730	.15940	.13890
.251	-2.367	-.15610	-.15700	-.16200	-.15960	-.16200	-.16570	-.17340	-.19810	.15820	.13750
.250	.095	-.16790	-.16100	-.16530	-.16740	-.16230	-.16630	-.18230	-.20370	.15840	.12880
.251	2.565	-.15570	-.15630	-.15330	-.15680	-.16180	-.16020	-.17370	-.20020	.16110	.13910
.251	5.140	-.16000	-.15780	-.15920	-.16020	-.16180	-.16530	-.17570	-.19560	.15780	.13500
.251	10.148	-.16120	-.16330	-.16440	-.16170	-.16390	-.16790	-.17880	-.19840	.15570	.13260
	GRADIENT	.00019	.00018	.00054	.00000	.00034	.00082	-.00055	-.00058	.00021	-.00033

ARC 218-1-12 OA101 (OV102) (E2Q066) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 266/ 0 RN/L = 7.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-22.902	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18230	.15460
.251	-17.957	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18070	.15390
.251	-14.883	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18520	.15490
.251	-10.116	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18100	.15090
.251	-4.888	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18300	.15230
.251	-2.407	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18500	.15570
.251	.038	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18350	.15870
.251	2.565	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18140	.15450
.251	5.130	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18130	.15120
.251	9.992	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18590	.15210
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00025	.00038

ARC 218-1-12 OA101 (OV102) (E2Q067) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 267/ 0 RN/L = 7.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP245	CP12	CP13
.250	-22.708	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13500	.11320
.250	-18.075	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13830	.11270
.251	-15.053	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14490	.11550
.250	-9.936	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14040	.11570
.250	-4.764	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13380	.11440
.250	-2.407	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13620	.11620
.250	.057	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13810	.11320
.250	2.575	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13510	.11030
.250	5.083	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13940	.11540
.250	9.943	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13740	.11220
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	.00023	-.00063

ARC 218-1-12 OA101 (OV102) (E2Q068) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	17.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	.000
RN/L =	8.000		

RUN NO. 268/ 0 RN/L = 7.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.249	-22.863	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10440	.08240
.249	-18.032	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11160	.08160
.249	-15.043	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10510	.07800
.250	-9.957	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10520	.08010
.250	-4.909	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10460	.08240
.249	-2.467	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10400	.08520
.250	.028	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10710	.08360
.249	2.603	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10750	.08100
.249	5.102	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10530	.08470
.250	10.001	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10330	.08240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00047	-.00024

ARC 218-1-12 OA101 (OV102) (E2Q069) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 264/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-8.115	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08820	-.12820
.251	-5.615	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01240	-.06000
.251	-.132	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09980	.06630
.251	2.685	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13960	.10860
.251	5.675	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16960	.14110
.251	7.245	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17650	.14670
.251	8.980	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18410	.15320
.251	11.221	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18100	.14840
.251	13.427	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17090	.14260
.250	16.676	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13560	.11030
.247	18.959	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08960	.06300
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01413	.01502

ARC 218-1-12 OA101 (OV102) (E2Q070) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 258/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.274	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.30270	-.00790
.251	-4.234	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25800	.03580
.251	-2.113	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.21570	.08930
.251	-1.085	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.19100	.11010
.251	-.228	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16870	.13010
.251	.626	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15190	.14900
.251	1.100	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14080	.15420
.252	2.124	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11460	.18570
.252	3.207	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09410	.21050
.252	4.214	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07110	.23080
.252	6.280	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.03010	.28090
.251	8.306	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02600	.31570
.251	10.286	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.06580	.35440
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.02245	.02313

ARC 218-1-12 OA101 (OV102) (E2Q071) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	.000
RN/L =	8.000		

RUN NO. 270/ 0 RN/L = 7.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-22.787	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12370	.19280
.251	-17.946	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12540	.19440
.251	-14.995	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12100	.18830
.251	-9.936	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12070	.19120
.251	-4.898	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12450	.19180
.251	-2.407	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11800	.18510
.251	-.039	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12170	.19020
.251	2.613	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12080	.19370
.251	5.045	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12210	.18960
.251	10.080	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12050	.19220
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00030	.00044

ARC 218-1-12 OA101 (OV102) (E2Q072) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 8.000

RUN NO. 263/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-7.952	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10270	-.10240
.252	-5.661	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04000	-.03470
.252	-.114	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06000	.10530
.251	2.144	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08360	.14050
.251	2.687	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09400	.15380
.252	5.558	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12710	.19210
.252	7.247	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12800	.20120
.252	8.981	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13230	.20130
.252	11.207	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12790	.20780
.252	13.473	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11670	.20380
.250	16.716	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07750	.16880
.250	18.770	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04390	.14560
	GRADIENT	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	.01229	.01681

ARC 218-1-12 OA101 (OV102) (E2Q073) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 254/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-11.704	-.15970	-.15420	-.15500	-.15090	-.15190	-.14980	-.15920	-.18220	.16400	.13860
.251	-9.175	-.17960	-.18170	-.17820	-.18550	-.18360	-.18790	-.19730	-.21960	.15340	.12520
.252	-6.035	-.16530	-.16770	-.16740	-.16630	-.16630	-.17290	-.18190	-.19980	.15950	.13140
.253	-3.019	-.15930	-.16110	-.15480	-.16110	-.16000	-.16320	-.17450	-.19520	.15740	.13250
.253	.030	-.15290	-.15350	-.15160	-.15290	-.16030	-.15950	-.16970	-.20120	.16200	.13480
.252	3.064	-.15640	-.15670	-.15620	-.15540	-.15330	-.15880	-.17300	-.20030	.16000	.13700
.252	6.010	-.15140	-.15490	-.15540	-.15270	-.15490	-.15750	-.16770	-.19340	.16220	.13930
.251	8.051	-.16060	-.16220	-.16190	-.16350	-.15880	-.16770	-.17780	-.19840	.15560	.13390
.251	12.068	-.15930	-.15510	-.16110	-.15820	-.16220	-.16670	-.17680	-.20080	.15560	.13470
.252	16.541	-.16210	-.16580	-.16270	-.16420	-.16050	-.16950	-.17980	-.20860	.16120	.13640
.252	22.500	-.17520	-.17210	-.17160	-.17230	-.17230	-.17520	-.18370	-.20690	.16500	.13550
	GRADIENT	.00048	.00072	-.00023	.00094	.00110	.00072	.00025	-.00084	.00043	.00074

ARC 218-1-12 OA101 (OV102) (E2Q074) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 286/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.248	-7.934	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09420	-.13630
.249	-5.501	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01870	-.05790
.248	-.125	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09230	.06330
.248	2.681	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13230	.11150
.248	5.612	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16120	.13220
.248	7.124	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17610	.14630
.248	8.814	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17610	.14070
.248	10.995	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18160	.14490
.247	13.188	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16790	.14140
.247	16.392	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13910	.11340
.246	18.591	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10630	.08530
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01426	.01718

ARC 218-1-12 OA101 (OV102) (E2Q075) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 287/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.248	-7.739	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10320	-.10410
.248	-5.536	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04260	-.04090
.248	-.090	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05890	.09340
.248	2.691	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09120	.15070
.248	5.489	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12180	.19150
.248	7.131	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12640	.19780
.248	8.815	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12900	.19730
.248	11.030	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12340	.19980
.248	13.216	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11140	.20160
.247	16.399	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07910	.17800
.248	18.434	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04450	.15180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01161	.02060

ARC 218-1-12 OA101 (OV102) (E2Q076) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	7.500	RUDDER =	.000
RN/L =	5.000		

RUN NO. 289/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.254	-6.172	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29370	-.01500
.255	-4.161	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25230	.03580
.254	-2.107	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20830	.08290
.255	-1.044	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18530	.10990
.255	-.235	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16990	.12840
.255	.608	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14740	.15310
.255	1.073	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13630	.16040
.254	2.099	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11220	.18100
.254	3.159	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09060	.20840
.254	4.151	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06630	.22960
.254	6.208	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01930	.27170
.255	8.217	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02630	.31580
.254	10.221	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.06930	.35270
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.02248	.02343

ARC 218-1-12 OA101 (OV102) (E2Q077) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = -5.000
RN/L = 5.000

RUN NO. 290/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.254	-6.214	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29340	-.01180
.254	-4.164	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25360	.04040
.254	-2.069	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20860	.08580
.254	-1.046	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18600	.10740
.254	-.216	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16550	.13370
.253	.608	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14770	.14570
.254	1.075	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13780	.16110
.254	2.100	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11500	.18090
.254	3.157	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09090	.20800
.254	4.131	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07130	.23060
.254	6.200	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01830	.26960
.254	8.231	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02670	.31690
.254	10.212	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07260	.35440
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02217	.02302

ARC 218-1-12 OA101 (OV102) (E2Q078) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = -5.000
RN/L = 5.000

RUN NO. 288/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.249	-7.919	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09230	-.12770
.249	-5.500	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01950	-.06770
.249	-.123	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08960	.06190
.249	2.691	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13140	.10220
.249	5.615	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16620	.13900
.253	7.109	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17400	.14010
.254	8.796	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18100	.13860
.253	13.213	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16820	.14170
.252	16.402	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13600	.11180
.253	18.656	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10530	.07430
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01485	.01432

ARC 218-1-12 OA101 (OV102) (E20079) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	7.500
RN/L =	5.000		

RUN NO. 291/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-22.949	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14960	.13560
.254	-18.000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16080	.14070
.253	-15.130	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15470	.13580
.253	-9.968	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15190	.13590
.254	-5.010	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15710	.13250
.253	-2.497	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15380	.13570
.254	.019	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15930	.13270
.253	2.565	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15700	.13360
.254	5.102	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16140	.13520
.254	10.089	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15750	.13710
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00063	-.00041

ARC 218-1-12 OA101 (OV102) (E20080) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	15.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 317/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-7.959	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09260	-.13210
.253	-5.468	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01900	-.06970
.252	-.080	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08470	.05820
.253	2.682	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13260	.10920
.253	4.994	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15420	.13330
.254	7.064	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17350	.14230
.254	8.779	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18250	.13980
.254	10.965	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17790	.14350
.254	13.167	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17430	.13610
.253	16.363	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14170	.10620
.252	18.591	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11280	.06940
	GRADIENT	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	.01381	.01492

ARC 218-1-12 OA101 (OV102) (E2Q081) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 15.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 321/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.254	-7.908	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08220	-.12390
.253	-5.491	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02380	-.06680
.254	-.089	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09400	.06840
.253	2.641	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13130	.10770
.253	5.569	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16200	.13230
.253	7.072	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17410	.14320
.254	8.813	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17840	.14220
.253	10.995	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17630	.13780
.253	13.198	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16670	.14310
.253	16.387	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14070	.11290
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01366	.01440

ARC 218-1-12 OA101 (OV102) (E2Q082) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 319/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.254	-6.110	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29380	-.00850
.254	-4.155	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25500	.03840
.254	-2.093	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20710	.08030
.254	-1.037	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18600	.10670
.254	-.202	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16740	.12780
.254	.647	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15060	.14850
.254	1.052	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13700	.16470
.253	2.090	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11210	.18500
.254	3.136	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09220	.20570
.254	4.137	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06520	.22580
.254	6.192	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.02200	.27620
.254	8.207	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02420	.31890
.253	10.211	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07580	.35280
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.02271	.02328

ARC 218-1-12 OA101 (OV102) (E2Q083) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 15.000 RUDDER = .000
RN/L = 5.000

RUN NO. 318/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-7.766	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10190	-.10320
.255	-5.525	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04100	-.04020
.254	-.071	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06250	.09390
.254	2.724	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08730	.15030
.254	5.479	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11460	.18740
.254	7.107	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12130	.19240
.254	8.771	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13230	.19400
.254	11.003	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12300	.20100
.253	13.205	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11150	.19650
.253	16.396	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07390	.16750
.253	18.421	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04660	.14940
	GRADIENT	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00887	.02018

ARC 218-1-12 OA101 (OV102) (E2Q084) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 322/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-22.882	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09130	.06140
.253	-18.011	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09400	.06920
.253	-14.965	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09320	.06930
.253	-9.978	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09300	.06320
.253	-4.950	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09650	.06780
.253	-2.477	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09660	.06570
.253	-.020	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09560	.06350
.253	2.546	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09740	.06900
.253	5.064	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09130	.06150
.253	10.129	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09480	.06360
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00007	.00006

ARC 218-1-12 OA101 (OV102) (E2Q085) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	15.000
RN/L =	5.000		

RUN NO. 323/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-22.863	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15590	.13430
.253	-18.108	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15450	.13220
.253	-15.053	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15290	.13640
.253	-9.957	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15070	.13050
.253	-4.980	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15720	.13320
.253	-2.437	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15590	.13650
.253	.076	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15660	.13310
.253	2.575	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15780	.13420
.253	5.064	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15840	.13330
.253	10.129	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15430	.13490
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	.00010	-.00001

ARC 218-1-12 OA101 (OV102) (E2Q086) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	15.000
RN/L =	5.000		

RUN NO. 324/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-22.940	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17840	.14300
.254	-18.097	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17940	.14410
.253	-15.082	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17640	.14140
.253	-9.957	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17760	.14130
.254	-4.950	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18410	.14850
.254	-2.437	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17820	.14460
.253	.028	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17690	.14360
.253	2.594	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17500	.14000
.253	5.045	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17610	.14280
.253	10.129	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18110	.14290
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00114	-.00106

ARC 218-1-12 OA101 (OV102) (E2Q087) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 325/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-22.863	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14560	.11170
.253	-18.097	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13660	.11140
.252	-14.995	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13980	.11160
.252	-9.957	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14020	.10860
.253	-4.980	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14090	.11500
.252	-2.457	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13770	.11000
.253	.047	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14140	.11120
.253	2.622	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13800	.11110
.253	5.083	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13940	.11370
.252	10.080	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13700	.11260
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00020	-.00041

ARC 218-1-12 OA101 (OV102) (E2Q088) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 320/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-6.206	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29530	-.01010
.253	-4.141	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.24960	.03760
.253	-2.084	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20720	.08670
.253	-1.039	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18210	.10800
.253	-.183	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16430	.12460
.253	.602	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14840	.14590
.253	1.066	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14020	.16500
.254	4.141	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07170	.23310
.253	6.201	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.02070	.26960
.253	8.191	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02920	.31360
.253	10.209	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.06940	.34840
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02145	.02370

ARC 218-1-12 OA101 (OV102) (E2Q089) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 307/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-7.995	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09140	-.13010
.253	-5.505	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02330	-.06380
.254	-.117	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09380	.05940
.254	2.665	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13450	.10620
.254	5.566	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16330	.13420
.254	7.113	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17250	.14390
.253	8.804	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17710	.13420
.253	10.991	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17610	.13760
.253	13.174	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16910	.14170
.253	16.383	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15800	.10870
.252	18.617	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10490	.07950
	GRADIENT	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	.01463	.01682

ARC 218-1-12 OA101 (OV102) (E2Q090) (01 FEB 78)

PEFERENCE 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 =	40.000	RUDDER =	.000
SCALE =	.0500					RN/L =	5.000		

PARAMETRIC DATA

RUN NO. 315/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.202	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29900	-.00660
.251	-4.064	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25260	.04120
.251	-2.040	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20680	.09020
.251	-1.023	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18790	.11370
.252	-.203	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16340	.12990
.251	.598	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15110	.15060
.251	1.051	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14010	.16480
.251	2.055	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11790	.18450
.251	3.133	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08790	.20490
.251	4.210	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06490	.22530
.251	6.163	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.02040	.27160
.251	8.203	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02690	.31290
.250	10.213	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07750	.35270
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02268	.02244

ARC 218-1-12 OA101 (OV102) (E2Q091) (01 FEB 78)

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	SPDBRK =	40.000
SCALE =	.0500					RN/L =	5.000		

PARAMETRIC DATA

RUN NO. 316/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-22.911	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15170	.13240
.251	-18.043	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15630	.13460
.251	-15.024	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15720	.13630
.251	-10.010	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15690	.13270
.251	-4.929	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16180	.14180
.251	-2.437	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15890	.13510
.251	.047	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15500	.13920
.252	2.575	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15750	.13680
.253	5.092	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15490	.13570
.254	10.138	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15640	.13120
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00067	-.00044

ARC 218-1-12 OA101 (OV102) (E2Q092) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 314/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-6.052	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29240	-.00950
.253	-4.141	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25500	.04030
.253	-2.044	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20680	.08530
.253	-1.002	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18810	.11420
.253	-.184	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16780	.12800
.252	.579	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14920	.14350
.252	1.015	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13840	.16150
.253	2.072	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11740	.18360
.252	3.185	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08530	.20620
.252	4.121	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06950	.22950
.252	6.186	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01410	.26990
.252	8.206	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02470	.31530
.252	10.185	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07140	.35160
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02273	.02298

ARC 218-1-12 OA101 (OV102) (E20093) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 313/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.254	-7.981	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08690	-.12250
.253	-5.524	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02070	-.06710
.253	-.129	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999 00000	.08720	.06140
.254	2.670	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13430	.11710
.253	5.551	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16380	.13090
.253	7.054	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16970	.14580
.252	8.760	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17850	.13750
.252	10.953	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17900	.14040
.252	13.173	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16370	.13990
.251	16.365	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13480	.10720
.249	18.586	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10520	.08060
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01683	.01990

ARC 218-1-12 OA101 (OV102) (E20094) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 308/ 0 RN/L = 5.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-7.802	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10740	-.09890
.253	-5.613	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04480	-.03870
.253	-.094	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05670	.09950
.253	2.677	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08980	.15210
.253	5.472	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11470	.18550
.253	7.110	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12320	.19020
.253	8.778	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12830	.18960
.253	11.014	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11790	.19660
.253	13.219	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10950	.19670
.252	16.399	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07740	.17380
.252	18.460	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04250	.14880
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01194	.01898

ARC 218-1-12 OA101 (OV102) (E2Q095) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 285/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-7.941	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09270	-.12690
.253	-5.541	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01500	-.06380
.254	-.150	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09380	.06430
.254	2.630	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13460	.10800
.253	5.591	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16430	.13320
.253	7.106	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17560	.14980
.253	8.800	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17920	.14150
.253	10.981	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17970	.13730
.253	13.184	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17070	.14110
.252	16.376	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13820	.11000
.251	18.623	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10510	.07880
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01468	.01572

ARC 218-1-12 OA101 (OV102) (E2Q096) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 273/ 0 RN/L = 7.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-8.141	-.17900	-.17720	-.17900	-.18140	-.18670	-.18120	-.19450	-.20540	-.08990	-.12860
.253	-5.598	-.17510	-.17330	-.17410	-.17410	-.17750	-.17540	-.17940	-.18910	-.01900	-.06240
.252	-.153	-.16450	-.16740	-.16720	-.16770	-.16290	-.16850	-.16770	-.17350	.09330	.06430
.253	2.675	-.16800	-.16850	-.17120	-.17200	-.16990	-.17070	-.17780	-.18040	.13760	.11080
.253	5.631	-.18150	-.17390	-.17860	-.17520	-.17730	-.18210	-.19370	-.21800	.16900	.13730
.253	7.257	-.18400	-.18540	-.18590	-.18330	-.18140	-.18910	-.21030	-.24340	.18010	.14530
.252	8.946	-.19010	-.18580	-.18610	-.18900	-.19270	-.19620	-.22160	-.26140	.18090	.15110
.252	11.161	-.19600	-.19580	-.19590	-.19200	-.19790	-.20210	-.24230	-.30370	.18020	.14690
.252	13.412	-.20610	-.20150	-.20420	-.20390	-.20500	-.21620	-.25640	-.33720	.16820	.13830
.252	16.666	-.21000	-.21270	-.21560	-.21750	-.22100	-.23330	-.27320	-.34620	.14180	.11290
.252	18.914	-.23530	-.22870	-.23080	-.22630	-.23210	-.24090	-.28670	-.34300	.10020	.07460
	GRADIENT	-.00124	-.00039	-.00141	-.00152	-.00247	-.00078	-.00357	-.00244	.01566	.01644

ARC 218-1-12 OA101 (OV102) (E2Q097) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 279/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-6.329	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20690	-.05380
.254	-4.271	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17470	-.01260
.253	-2.106	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13530	.02500
.253	-1.070	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11950	.04760
.253	.006	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09680	.06390
.253	.530	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09070	.07300
.253	1.065	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08170	.08510
.253	2.118	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05770	.09980
.253	3.148	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04540	.11950
.254	4.200	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.02400	.13740
.254	6.283	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01260	.17220
.253	8.226	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.05000	.20180
.253	10.282	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09040	.23210
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.01773	.01770

ARC 218-1-12 OA101 (OV102) (E20098) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 274/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-6.213	-.18050	-.17760	-.17680	-.17760	-.17840	-.18610	-.19190	-.21600	.29730	-.01390
.253	-4.225	-.18370	-.17680	-.17840	-.17790	-.18320	-.18240	-.18980	-.21600	.25690	.03870
.253	-2.130	-.17590	-.17320	-.17380	-.17610	-.17770	-.17980	-.18960	-.21020	.21220	.08740
.252	-1.068	-.17850	-.17880	-.17910	-.18360	-.18330	-.18250	-.19390	-.21940	.18800	.11130
.252	-.247	-.18410	-.18250	-.17750	-.18270	-.18490	-.18360	-.19660	-.21750	.16940	.12830
.252	.633	-.18160	-.18210	-.18400	-.18210	-.18560	-.18660	-.19270	-.22320	.15300	.15010
.252	1.104	-.18290	-.18370	-.18160	-.18610	-.18770	-.18640	-.19800	-.21600	.14370	.16320
.252	2.129	-.18570	-.18600	-.19110	-.18360	-.18790	-.18950	-.20060	-.22130	.11970	.18670
.252	3.193	-.18240	-.18740	-.18770	-.18580	-.18740	-.19380	-.19930	-.22690	.09650	.21000
.252	4.202	-.18810	-.19080	-.18840	-.18790	-.18500	-.19400	-.20380	-.22710	.07330	.23310
.252	6.259	-.19160	-.19160	-.19020	-.19160	-.19160	-.19950	-.20560	-.23260	.02610	.27640
.252	8.305	-.20080	-.19780	-.19860	-.20130	-.19840	-.20470	-.21380	-.24120	-.02750	.31410
.252	10.292	-.20670	-.19690	-.19580	-.19930	-.19980	-.20430	-.21200	-.23810	-.07050	.35930
	GRADIENT	-.00076	-.00191	-.00179	-.00125	-.00077	-.00174	-.00169	-.00164	-.02167	.02315

ARC 218-1-12 OA101 (OV102) (E2Q099) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 280/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-6.561	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.34500	-.01800
.253	-4.476	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29550	.03670
.253	-2.034	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.23630	.09810
.252	-1.128	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20670	.12160
.253	-.018	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18620	.15140
.253	.475	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17330	.16080
.253	.981	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16000	.17880
.252	2.156	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12930	.20510
.253	3.169	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09550	.23470
.253	4.170	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07660	.25570
.253	6.207	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01570	.31090
.253	8.296	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.03810	.36500
.252	10.253	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09740	.41560
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02557	.02560

ARC 218-1-12 OA101 (OV102) (E2Q0A0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 281/ 0 RN/L = 7.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.31130	-.07730
.252	-3.912	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25280	-.00930
.252	-2.066	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.19600	.05050
.252	.006	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14090	.11880
.252	2.124	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07250	.17670
.252	4.048	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01620	.24490
.251	6.083	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04780	.29330
.252	7.367	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08020	.33240
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02967	.03154

ARC 218-1-12 OA101 (OV102) (E2Q0A1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 8.000

RUN NO. 275/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-7.948	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10800	-.10450
.252	-5.723	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04980	-.03820
.252	-.125	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06410	.10060
.252	2.687	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09540	.15270
.251	5.532	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11740	.18600
.252	7.213	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13190	.19980
.252	8.936	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13340	.20100
.252	11.180	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12850	.20800
.252	13.416	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11270	.20430
.251	16.695	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07340	.17070
.250	18.746	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04560	.14730
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01113	.01853

ARC 218-1-12 OA101 (OV102) (E2Q0A2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 282/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-22.930	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10080	.06870
.252	-18.065	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09770	.06420
.253	-15.082	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10320	.07130
.253	-10.063	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09840	.06760
.253	-4.929	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10050	.06840
.253	-2.387	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09940	.07090
.253	.028	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09690	.07080
.253	2.622	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09970	.07170
.252	5.064	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09480	.06730
.252	10.060	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09300	.06200
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00019	.00039

ARC 218-1-12 OA101 (OV102) (E2Q0A3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 272/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-22.959	-.18620	-.19040	-.19020	-.18590	-.19170	-.18780	-.20180	-.22360	.15260	.13310
.252	-18.151	-.18400	-.18300	-.18400	-.18430	-.18220	-.18830	-.19360	-.22310	.15640	.13400
.253	-15.005	-.17920	-.18180	-.18260	-.18160	-.18470	-.18980	-.19710	-.21670	.16000	.13640
.253	-9.999	-.18540	-.18380	-.18520	-.18540	-.18360	-.18750	-.19630	-.21900	.15790	.13430
.253	-4.878	-.18310	-.18490	-.18340	-.18680	-.18310	-.18710	-.19550	-.21510	.15770	.13800
.252	-2.497	-.18520	-.18410	-.18600	-.18410	-.18440	-.18440	-.19470	-.21600	.15630	.13520
.253	.019	-.18210	-.18180	-.17910	-.18180	-.18660	-.18390	-.19530	-.21680	.15840	.13390
.253	2.565	-.17820	-.17850	-.17530	-.17740	-.17930	-.17690	-.19250	-.21160	.15730	.13620
.252	5.016	-.17790	-.17690	-.17740	-.17930	-.17690	-.18220	-.19070	-.21590	.15820	.13760
.252	10.089	-.17810	-.17550	-.18030	-.17650	-.17440	-.18480	-.18870	-.20990	.16060	.13610
	GRADIENT	.00073	.00087	.00127	.00123	.00038	.00126	.00034	.00040	.00004	-.00026

ARC 218-1-12 OA101 (OV102) (E2Q0A4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 283/ 0 RN/L = 7.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-23.016	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18490	.15890
.252	-17.937	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18210	.15180
.252	-15.034	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18340	.15370
.252	-9.957	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18430	.15520
.252	-4.960	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18480	.15220
.252	-2.467	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18140	.14890
.252	-.010	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18540	.15140
.252	2.537	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18200	.14780
.252	5.111	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18180	.14850
.252	9.992	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18530	.15180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00018	-.00043

ARC 218-1-12 OA101 (OV102) (E2Q0A5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 284/ 0 RN/L = 7.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-22.930	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14140	.11440
.253	-17.968	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14070	.11600
.253	-15.072	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13670	.11050
.253	-9.999	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13790	.10990
.253	-4.929	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13800	.11370
.253	-2.497	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13870	.10710
.253	.028	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13920	.11400
.253	2.508	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13670	.11210
.253	5.045	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13830	.11030
.253	10.089	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13730	.11170
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00014	.00009

ARC 218-1-12 OA101 (OV102) (E2Q0A6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 276/ 0 RN/L = 7.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-8.132	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08920	-.13400
.252	-5.619	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01350	-.05840
.252	-.150	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09540	.06220
.252	2.658	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14230	.11610
.251	5.653	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16620	.13390
.252	7.198	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17850	.14460
.252	8.940	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18580	.15280
.252	11.179	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18350	.15260
.251	13.396	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16950	.14450
.251	16.689	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13760	.10980
.250	18.932	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10720	.08030
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01670	.01919

ARC 218-1-12 OA101 (OV102)

(E2Q0A7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 277/ 0 RN/L = 7.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-6.209	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.30130	-.00190
.251	-4.218	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.26070	.04120
.252	-2.116	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.21890	.09460
.251	-1.071	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.19360	.12030
.251	-.246	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17180	.12830
.252	.606	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15560	.15540
.251	1.076	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14250	.16520
.251	2.123	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12050	.18610
.251	3.205	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09670	.21450
.251	4.230	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07160	.23500
.251	6.253	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.02080	.27710
.251	8.407	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02520	.31940
.250	10.282	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.06370	.35780
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.02253	.02275

ARC 218-1-12 OA101 (OV102) (E2Q0A8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -22.800
RN/L = 8.000

RUN NO. 278/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.316	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.30040	-.01100
.251	-4.246	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.26100	.04310
.251	-2.120	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.21400	.08700
.252	-1.099	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18860	.11210
.253	-.197	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17860	.13590
.253	.602	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15800	.15570
.254	1.090	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14520	.16440
.253	2.136	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11830	.18760
.253	3.182	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09390	.21120
.253	4.227	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07100	.23290
.253	6.247	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.02430	.27590
.253	8.316	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01910	.31980
.253	10.281	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.06830	.35690
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02244	.02275

ARC 218-1-12 OA101 (OV102) (E200A9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 5.000

RUN NO. 326/ 0 RN/L = 5.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-7.939	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08870	-.12180
.253	-5.510	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02250	-.05610
.254	-.111	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09580	.06580
.254	2.663	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13700	.10970
.253	5.547	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16160	.13850
.253	7.125	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17400	.14170
.253	8.757	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17740	.14480
.253	10.967	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18120	.14780
.253	13.161	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16860	.14300
.252	16.354	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13800	.10640
.252	18.571	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10760	.07840
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01485	.01582

ARC 218-1-12 OA101 (OV102) (E2Q0B0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 5.000

RUN NO. 330/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-6.212	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29600	-.00940
.252	-4.162	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25230	.04040
.252	-2.076	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20980	.09020
.252	-1.060	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18690	.11060
.252	-.201	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16990	.12920
.252	.581	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15000	.14960
.252	1.053	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14030	.15940
.252	2.071	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11440	.18580
.252	3.137	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09330	.20770
.252	4.157	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06800	.23140
.252	6.202	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01710	.27080
.252	8.194	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02640	.31050
.252	10.209	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07070	.35590
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02227	.02297

ARC 218-1-12 OA101 (OV102) (E200B1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 5.000

RUN NO. 331/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-18.065	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15630	.13730
.252	-15.072	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15430	.13230
.252	-9.989	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15460	.13640
.252	-4.939	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15590	.13230
.252	-2.427	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15840	.13850
.251	.151	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15560	.13770
.252	2.518	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16100	.13700
.251	5.111	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15280	.13400
.251	10.187	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15320	.13150
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00049	.00054

ARC 218-1-12 OA101 (OV102) (E2Q082) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	-5.000
RN/L =	5.000		

RUN NO. 329/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-6.132	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29680	-.00480
.252	-4.158	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25120	.04050
.252	-2.060	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.21050	.08930
.252	-1.039	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18220	.10970
.252	-.183	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16240	.12920
.252	.597	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14680	.14810
.252	1.087	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13390	.16620
.252	2.073	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11570	.18260
.252	3.115	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09200	.20690
.252	4.122	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07090	.22650
.252	6.166	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.02070	.26970
.252	8.043	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01930	.31160
.252	10.189	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.06930	.34980
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02203	.02274

ARC 218-1-12 OA101 (OV102) (E20083) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 328/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-7.931	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08830	-.12270
.252	-5.514	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02120	-.05680
.253	-.122	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09720	.06370
.252	2.635	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13220	.10400
.253	5.560	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16460	.13480
.252	7.073	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17500	.14020
.253	8.754	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18070	.14230
.253	10.939	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18020	.14540
.252	13.123	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17080	.14340
.251	16.287	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13770	.10890
.251	18.536	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10830	.08140
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01270	.01462

ARC 218-1-12 OA101 (OV102) (E20084) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 5.000

RUN NO. 327/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-7.827	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10720	-.09890
.253	-5.549	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04470	-.03060
.253	-.088	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06300	.09980
.252	2.646	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08950	.14510
.252	5.451	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11720	.18560
.252	7.082	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12000	.19190
.253	10.961	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12480	.19520
.252	13.166	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10790	.19850
.252	16.356	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07540	.17250
.251	18.423	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04210	.15020
	GRADIENT	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	.00969	.01657

ARC 218-1-12 OA101 (OV102) (E2Q085) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 5.000

RUN NO. 306/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-8.018	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09360	-.13090
.254	-5.564	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02130	-.06780
.254	-.164	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09090	.06080
.255	2.632	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13580	.11120
.255	5.540	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16610	.13830
.255	7.078	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17280	.14160
.254	8.757	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17380	.13870
.255	10.956	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17920	.14150
.254	13.157	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16980	.14020
.253	16.349	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13730	.10790
.253	18.592	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10730	.08270
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01606	.01803

ARC 218-1-12 OA101 (OV102) (E2Q0B6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 292/ 0 RN/L = 8.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-8.129	-.21390	-.21630	-.21310	-.21340	-.21790	-.21790	-.22480	-.24230	-.09310	-.13520
.253	-5.666	-.20340	-.20050	-.20050	-.19660	-.20160	-.20530	-.21060	-.21300	-.01990	-.06290
.252	-.164	-.19370	-.18730	-.19500	-.19130	-.19070	-.18780	-.19340	-.19290	.10050	.05820
.253	2.665	-.19410	-.19620	-.19250	-.19910	-.19250	-.19910	-.19780	-.20710	.13590	.10960
.253	5.591	-.20200	-.20280	-.19910	-.20250	-.20490	-.20300	-.21260	-.23980	.16690	.13280
.253	7.165	-.20630	-.20760	-.20440	-.20470	-.20630	-.21000	-.22770	-.25790	.17730	.14410
.252	8.909	-.21180	-.21470	-.21260	-.21390	-.21630	-.22320	-.24440	-.28300	.18310	.14770
.252	11.134	-.21990	-.21780	-.21590	-.21350	-.21670	-.21930	-.25600	-.31540	.17990	.15200
.251	13.344	-.22960	-.22270	-.22160	-.22320	-.22770	-.23170	-.27690	-.35960	.17080	.14240
.251	16.597	-.23280	-.23620	-.23810	-.23460	-.23840	-.24290	-.29120	-.36470	.14280	.11250
.250	18.870	-.24950	-.24730	-.24490	-.24300	-.24730	-.25920	-.30790	-.35700	.10680	.08080
	GRADIENT	-.00014	-.00315	.00088	-.00276	-.00064	-.00399	-.00156	-.00502	.01251	.01817

ARC 218-1-12 OA101 (OV102) (E2Q0B7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 298/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-7.962	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10340	-.10360
.251	-5.646	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04190	-.03480
.254	-.122	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06920	.10880
.253	2.708	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10140	.15490
.253	5.521	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12080	.18790
.253	7.212	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12910	.19880
.253	8.859	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14050	.20310
.253	11.174	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13060	.20480
.253	13.397	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11880	.20140
.252	16.641	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07790	.18330
.251	18.704	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04730	.14760
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01138	.01629

ARC 218-1-12 0A101 (0V102) (E20088) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 299/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-6.319	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20690	-.05380
.254	-4.254	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17700	-.00430
.253	-2.081	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13550	.03010
.253	-1.077	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11480	.04840
.253	.012	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09810	.06150
.253	.563	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08860	.07730
.253	1.085	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07730	.08040
.254	2.107	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06670	.10940
.253	3.130	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04340	.12000
.254	4.174	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.03180	.14690
.254	6.242	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.00650	.17420
.254	8.322	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04380	.20630
.253	10.268	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08170	.23400
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.01725	.01777

ARC 218-1-12 OA101 (OV102) (E2Q089) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	8.000		

RUN NO. 293/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.163	-.18500	-.19140	-.18880	-.18960	-.19120	-.19600	-.20320	-.23070	.29590	-.00740
.253	-4.189	-.18890	-.19230	-.19040	-.19280	-.19200	-.19230	-.20440	-.22740	.25940	.04140
.252	-2.048	-.19340	-.19390	-.19470	-.19520	-.19710	-.20020	-.20790	-.22670	.21100	.08840
.253	-1.050	-.19850	-.19510	-.19750	-.19910	-.19930	-.19750	-.21130	-.23450	.19380	.11110
.252	-.232	-.20320	-.20060	-.19710	-.20160	-.19900	-.20380	-.21280	-.23260	.16660	.13300
.253	.575	-.19690	-.19210	-.19500	-.20190	-.20010	-.20060	-.21220	-.23380	.15790	.15060
.253	1.071	-.19720	-.20230	-.20440	-.20250	-.19540	-.19930	-.20540	-.23340	.14380	.16450
.252	2.128	-.20630	-.20260	-.20870	-.20530	-.19970	-.20680	-.21240	-.24300	.11810	.18770
.252	3.174	-.20710	-.20630	-.20440	-.20520	-.20810	-.20630	-.21870	-.24120	.09510	.21200
.252	4.198	-.20650	-.20670	-.20650	-.20590	-.20570	-.20890	-.21470	-.24390	.07280	.23200
.252	6.257	-.21410	-.21090	-.21030	-.21140	-.21010	-.21490	-.22690	-.24640	.02510	.27770
.252	8.261	-.21400	-.21270	-.21300	-.21170	-.21090	-.21300	-.22410	-.24870	-.02360	.32350
.253	10.278	-.21180	-.21280	-.21150	-.21470	-.20970	-.21600	-.22340	-.25510	-.06590	.35770
	GRADIENT	-.00218	-.00190	-.00211	-.00169	-.00156	-.00179	-.00128	-.00219	-.02229	.02312

ARC 218-1-12 OA101 (OV102) (E200C0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 300/ 0 RN/L = 7.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-6.179	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.33740	-.01230
.253	-4.147	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.28960	.04160
.254	-2.025	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.23480	.10220
.253	-1.154	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20970	.12150
.254	.001	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18760	.15600
.254	.475	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17500	.16530
.253	.982	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15960	.17840
.253	2.119	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12770	.20230
.253	3.135	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10440	.23420
.253	4.146	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06950	.25290
.253	6.178	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.02020	.31030
.254	8.258	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.03660	.36420
.253	10.230	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09610	.41580
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.02602	.02549

ARC 218-1-12 OA101 (OV102) (E200C1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 8.000

RUN NO. 301/ 0 RN/L = 7.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-5.843	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.31100	-.07110
.252	-3.876	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25270	-.01050
.252	-2.075	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.20250	.05220
.252	-.043	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14120	.11320
.252	2.097	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07950	.17450
.252	4.035	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01970	.23250
.252	6.094	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04620	.29600
.252	7.062	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07290	.32460
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.02946	.03040

ARC 218-1-12 OA101 (OV102) (E2Q0C2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 8.000

RUN NO. 295/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-11.963	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10550	.06820
.252	-9.978	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10050	.07430
.252	-4.929	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10100	.06510
.252	-2.547	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10130	.06770
.252	.028	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10310	.07010
.252	2.556	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10750	.07490
.252	5.073	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10130	.06810
.252	10.129	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10080	.06970
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00086	.00127

ARC 218-1-12 OA101 (OV102) (E2Q0C3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 8.000

RUN NO. 294/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-11.963	-.19630	-.19710	-.19400	-.19870	-.19550	-.20060	-.20480	-.22850	.16300	.14000
.252	-9.936	-.19690	-.19720	-.19990	-.19830	-.20300	-.19670	-.20860	-.22910	.16260	.14020
.252	-4.960	-.19860	-.19830	-.20010	-.19860	-.19670	-.20200	-.20550	-.23310	.16060	.13760
.252	-2.397	-.20080	-.20190	-.19730	-.20160	-.19550	-.20370	-.20960	-.23350	.16160	.14340
.252	.066	-.20060	-.19660	-.19820	-.20060	-.19880	-.20040	-.21150	-.23410	.16410	.14450
.252	2.546	-.19650	-.20130	-.19750	-.19540	-.20050	-.19620	-.21060	-.22840	.16180	.13750
.252	5.054	-.20020	-.19990	-.19890	-.19940	-.19810	-.20210	-.21270	-.23290	.16240	.14160
.252	10.119	-.19490	-.19470	-.18990	-.19360	-.19310	-.19630	-.20560	-.22740	.16170	.14320
	GRADIENT	.00026	-.00015	.00028	.00042	-.00059	.00082	-.00069	.00054	.00025	.00004

ARC 218-1-12 OA101 (OV102) (E2Q0C4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 8.000

RUN NO. 296/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-11.973	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18080	.15790
.252	-9.946	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18390	.15760
.252	-4.970	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18550	.15410
.252	-2.447	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18630	.15250
.252	.076	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18590	.15580
.252	2.518	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18370	.15630
.252	5.064	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18510	.15570
.252	10.178	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18270	.15340
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00023	.00040

ARC 218-1-12 OA101 (OV102) (E2Q0C5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 8.000

RUN NO. 297/ 0 RN/L = 7.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-11.963	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14290	.11870
.251	-9.946	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13830	.11380
.251	-4.929	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13930	.11350
.251	-2.497	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14170	.11510
.251	.038	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13970	.11190
.251	2.537	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14480	.11640
.251	5.083	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13800	.11310
.251	10.148	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13830	.11290
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00058	.00022

ARC 218-1-12 OA101 (OV102) (E200C6) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-5.000
RN/L =	8.000		

RUN NO. 303/ 0 RN/L = 7.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-8.096	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08290	-.12850
.253	-5.670	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01670	-.06040
.252	-.196	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09330	.06350
.253	2.646	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14040	.10750
.253	5.637	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17200	.13360
.253	7.220	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18050	.15010
.253	8.938	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18740	.15650
.252	11.152	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18570	.16040
.252	13.356	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17510	.14640
.252	16.629	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14400	.11420
.251	18.881	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11140	.08640
	GRADIENT	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.01658	.01549

ARC 218-1-12 OA101 (OV102) (E2Q0C7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = -5.000
RN/L = 8.000

RUN NO. 302/ 0 RN/L = 7.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-6.315	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.30360	-.00750
.253	-4.195	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.26160	.03950
.253	-2.114	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.21900	.09390
.253	-1.063	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.19230	.11200
.253	-.239	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17340	.13060
.254	.621	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15980	.15710
.253	1.061	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14860	.16770
.253	2.107	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12210	.19120
.253	3.188	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09520	.21600
.253	4.195	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07630	.23530
.253	6.260	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.03110	.28120
.253	8.250	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01650	.32390
.252	10.287	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07250	.35800
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02235	.02354

ARC 218-1-12 OA101 (OV102) (E2Q0C8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-12.000
RN/L =	8.000		

RUN NO. 305/ 0 RN/L = 7.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-6.217	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.30020	-.00180
.253	-4.205	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.26160	.04680
.252	-2.093	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.21400	.09170
.253	-1.045	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.19290	.11780
.253	-.216	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17500	.13790
.253	.601	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15680	.15680
.253	1.080	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14630	.16780
.253	2.121	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12280	.19230
.253	3.168	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09930	.21490
.253	4.190	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07940	.23140
.253	6.256	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.03250	.28290
.252	8.268	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02000	.31810
.252	10.286	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.06440	.35390
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02179	.02255

ARC 218-1-12 OA101 (OV102) (E2Q0C9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 217/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-35.167	-.14900	-.14650	-.14980	-.14980	-.14900	-.15680	-.16330	-.15880	.15290	.13740
.251	-30.048	-.15780	-.15420	-.15620	-.15620	-.15660	-.16320	-.16680	-.17300	.15850	.13550
.252	-20.123	-.20370	-.20370	-.20240	-.20810	-.20980	-.21300	-.21910	-.21340	.15750	.13710
.252	-15.054	-.19730	-.19200	-.19440	-.19650	-.19930	-.19850	-.20540	-.19930	.16280	.14120
.251	-10.046	-.17620	-.18230	-.17780	-.18270	-.18470	-.19.30	-.19250	-.19370	.15460	.13180
.252	-8.040	-.17210	-.17210	-.17250	-.17490	-.17450	-.17730	-.17780	-.18100	.16010	.13650
.252	-5.976	-.17230	-.16580	-.16740	-.16780	-.16940	-.17070	-.17960	-.18690	.16200	.13840
.252	-3.993	-.17730	-.17530	-.17290	-.17290	-.17980	-.17980	-.18880	-.19330	.15770	.13480
.252	-2.984	-.16920	-.17290	-.17170	-.17130	-.17780	-.17620	-.17700	-.20180	.15760	.13440
.252	-2.002	-.16540	-.16580	-.16980	-.16130	-.17190	-.16700	-.18120	-.19460	.15710	.13760
.251	-1.026	-.16400	-.16890	-.16680	-.16600	-.17010	-.17580	-.18640	-.20560	.15590	.13390
.253	-.032	-.15790	-.15990	-.15180	-.15990	-.16440	-.16360	-.17450	-.19920	.16150	.13470
.252	.972	-.16570	-.16530	-.16410	-.16410	-.16780	-.16730	-.17960	-.20280	.15790	.13500
.252	1.959	-.16530	-.16860	-.16530	-.16900	-.16780	-.16860	-.18480	-.21450	.15850	.13900
.252	2.966	-.17230	-.17070	-.17150	-.17350	-.16940	-.17880	-.19960	-.22930	.15760	.13390
.252	3.986	-.18100	-.17570	-.17650	-.17940	-.17780	-.18510	-.20750	-.23480	.15680	.13640
.252	5.976	-.18830	-.19350	-.18910	-.18870	-.18580	-.19960	-.21380	-.26330	.16510	.14070
.252	7.973	-.20540	-.21190	-.20790	-.21360	-.21110	-.23150	-.24330	-.30720	.16080	.14000
.251	9.950	-.22730	-.22520	-.22970	-.22690	-.22890	-.24320	-.26370	-.34470	.15580	.13650
.251	20.137	-.32340	-.32510	-.32470	-.32260	-.33620	-.36280	-.45190	-.72650	.16000	.13900
	GRADIENT	-.00044	.00004	-.00005	-.00078	.00072	-.00041	-.00241	-.00479	.00002	.00015

ARC 218-1-12 OA101 (OV102) (E2Q0D0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 218/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-35.112	-.12660	-.12580	-.12620	-.12660	-.12740	-.12860	-.13640	-.13850	.15690	.13280
.252	-20.112	-.15620	-.15210	-.15500	-.15500	-.16430	-.16840	-.17410	-.17940	.15860	.13780
.252	-15.049	-.15910	-.15540	-.15740	-.15620	-.16640	-.17000	-.17290	-.17330	.15860	.13260
.252	-10.020	-.15310	-.15350	-.15350	-.14750	-.16170	-.15560	-.16050	-.16740	.15920	.13690
.251	-8.059	-.16590	-.16100	-.16430	-.15940	-.16710	-.17210	-.17450	-.17860	.15450	.13240
.252	-5.988	-.16070	-.15950	-.16350	-.16190	-.16480	-.16480	-.16880	-.17490	.15960	.13760
.252	-3.996	-.16760	-.16960	-.16880	-.16800	-.16760	-.17410	-.17330	-.18760	.15900	.13490
.251	-2.989	-.16940	-.17150	-.17150	-.17110	-.17390	-.18170	-.18490	-.20130	.15380	.13250
.252	-2.005	-.17250	-.17080	-.16800	-.16720	-.16840	-.17040	-.17980	-.19360	.15900	.13380
.251	-1.005	-.17620	-.17330	-.16920	-.17250	-.17250	-.17530	-.18600	-.20190	.15810	.13440
.251	-.025	-.17800	-.17560	-.17390	-.17480	-.17270	-.17680	-.18820	-.20370	.15700	.13490
.251	.963	-.17630	-.17670	-.17760	-.17630	-.17840	-.17960	-.19470	-.21470	.15730	.13480
.251	1.949	-.17820	-.17690	-.17410	-.18220	-.17980	-.18470	-.19780	-.22630	.16180	.13530
.251	2.957	-.18430	-.18670	-.18390	-.18840	-.18390	-.19820	-.21080	-.24030	.15520	.13270
.252	4.005	-.19260	-.19300	-.18730	-.19100	-.19060	-.19790	-.20970	-.24680	.15940	.13490
.252	5.001	-.19570	-.19440	-.19610	-.19530	-.19850	-.20340	-.21400	-.26010	.15950	.14230
.252	6.018	-.19950	-.20280	-.20650	-.20320	-.20690	-.21620	-.22720	-.27410	.16060	.13810
.252	7.983	-.21500	-.21130	-.21580	-.22030	-.21580	-.23170	-.24550	-.30220	.16290	.13880
.252	9.962	-.22760	-.22880	-.23130	-.22920	-.23090	-.24760	-.26590	-.34690	.16060	.14150
.251	20.156	-.36380	-.36250	-.36010	-.35970	-.37120	-.39340	-.48860	-.75640	.15500	.13860
	GRADIENT	-.00262	-.00260	-.00221	-.00298	-.00253	-.00298	-.00449	-.00724	.00018	.00007

ARC 218-1-12 OA101 (OV102) (E2Q0D1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 231/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-11.652	-.19910	-.20110	-.19610	-.20030	-.19610	-.20530	-.22750	-.25880	.15870	.13650
.251	-8.008	-.19040	-.19330	-.19330	-.19460	-.19630	-.20250	-.21800	-.25310	.15730	.13390
.251	-6.035	-.19250	-.19040	-.19120	-.19410	-.18950	-.19960	-.21600	-.25200	.15370	.13680
.251	-2.987	-.18370	-.18370	-.18330	-.18580	-.18370	-.19210	-.20500	-.25020	.15570	.13640
.251	-.030	-.17640	-.18060	-.17850	-.17810	-.18480	-.18690	-.20980	-.24660	.15730	.13550
.251	3.023	-.18140	-.18140	-.17970	-.17970	-.18010	-.18810	-.20520	-.24790	.15960	.13490
.251	6.030	-.17970	-.17890	-.18060	-.18140	-.18720	-.18810	-.20770	-.24660	.15990	.13770
.251	8.010	-.18140	-.18220	-.18140	-.18090	-.18430	-.18600	-.20650	-.24660	.16000	.13690
.251	12.119	-.17990	-.18250	-.17490	-.18500	-.18580	-.19290	-.20840	-.24600	.15490	.13570
.252	16.352	-.17830	-.17790	-.17660	-.17830	-.18290	-.18700	-.20740	-.24810	.15770	.13980
.251	22.500	-.19310	-.19940	-.19560	-.19890	-.19480	-.21110	-.22330	-.26390	.15890	.13490
	GRADIENT	.00037	.00038	.00059	.00101	.00060	.00066	-.00002	.00038	.00065	-.00025

ARC 218-1-12 OA101 (OV102) (E2Q0D2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 232/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-11.849	-.16610	-.16480	-.16360	-.16900	-.16990	-.17070	-.17570	-.18360	.15570	.13640
.251	-8.038	-.15620	-.16540	-.15920	-.16080	-.16710	-.16420	-.17170	-.18340	.15720	.13340
.251	-5.850	-.16180	-.16470	-.16390	-.15970	-.16850	-.16260	-.17100	-.18270	.15460	.13270
.251	-3.103	-.15390	-.15770	-.15390	-.15810	-.16310	-.16020	-.16600	-.17440	.15490	.13480
.251	.050	-.16170	-.15920	-.16300	-.15790	-.16380	-.16300	-.17260	-.17720	.15650	.13460
.251	2.884	-.15520	-.15850	-.15900	-.15640	-.15690	-.15900	-.16690	-.17150	.15570	.13520
.251	5.950	-.15260	-.15880	-.15590	-.15590	-.15550	-.16050	-.16340	-.17380	.15900	.13510
.251	8.081	-.15600	-.15310	-.15350	-.16190	-.16060	-.16060	-.16360	-.17700	.15240	.13340
.251	12.047	-.16230	-.16400	-.16190	-.16650	-.16610	-.16480	-.17190	-.18070	.15760	.13630
.251	16.370	-.16590	-.16760	-.17010	-.17560	-.18230	-.18230	-.18230	-.19690	.15870	.13140
.251	22.500	-.18490	-.18360	-.18450	-.18320	-.18740	-.19070	-.19450	-.20080	.15710	.13200
	GRADIENT	-.00026	-.00014	-.00089	.00028	.00101	.00018	-.00019	.00046	.00014	.00006

ARC 218-1-12 0A101 (0V102) (E2Q0D4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 16.400 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 253/ 0 RN/L = 2.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-3.914	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25890	-.01130
.252	-2.010	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.19490	.10650
.252	.040	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14060	.11610
.251	2.088	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07070	.17610
.251	4.095	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01060	.23730
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.03086	.02809

ARC 218-1-12 0A101 (0V102) (E2Q0D5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 16.500 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 249/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-6.128	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.32400	-.07640
.250	-3.882	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25660	-.00830
.250	-2.031	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.19730	.04710
.250	.027	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13650	.11150
.249	2.069	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07200	.17380
.250	4.105	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01220	.23430
.250	6.188	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.05190	.29790
.250	6.976	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07660	.31820
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.03059	.03048

ARC 218-1-12 OA101 (OV102) (E2Q0D6) (01 FEB 78)

PEFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO	BETA =	2.000	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 =	.0500			RN/L =	3.000		

PARAMETRIC DATA

RUN NO. 251/ 0 RN/L = 2.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-7.741	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10730	-.10000
.251	-5.471	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04090	-.02560
.251	-.083	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05950	.09900
.251	2.676	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09060	.14550
.250	5.431	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11730	.18530
.250	7.078	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12450	.19260
.250	8.722	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12870	.19530
.250	10.911	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12090	.20430
.251	13.098	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12110	.19610
.250	16.250	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07880	.18030
.249	18.253	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04830	.15320
	GRADIENT	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.01127	.01686

ARC 218-1-12 OA101 (OV102) (E2Q0D7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO	BETA =	2.000	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 =	.0500			RN/L =	5.000		

PARAMETRIC DATA

RUN NO. 250/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-7.798	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10870	-.10570
.251	-5.541	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04190	-.04030
.250	-.081	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05700	.09950
.251	2.694	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08860	.15200
.250	5.485	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11730	.18430
.250	7.146	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11880	.19300
.251	8.814	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12660	.19690
.251	11.031	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12380	.20170
.250	13.221	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10900	.19790
.250	16.433	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07580	.17470
.249	18.477	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04540	.14760
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01139	.01892

ARC 218-1-12 OA101 (OV102) (E200D8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-OB =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 236/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-4.011	-.16170	-.15580	-.15790	-.16250	-.16210	-.16170	-.17420	-.19800	.16060	.13550
.251	-1.983	-.16390	-.16050	-.16220	-.16220	-.16720	-.16760	-.17380	-.20250	.15850	.13940
.251	-.005	-.16340	-.16000	-.16250	-.16500	-.16250	-.17170	-.18290	-.20580	.16280	.13570
.252	1.983	-.16760	-.16510	-.16380	-.16760	-.16680	-.17010	-.18420	-.20990	.15880	.13920
.252	3.995	-.16940	-.17190	-.17440	-.17480	-.17730	-.17440	-.18890	-.21710	.16110	.13990
	GRADIENT	-.00096	-.00184	-.00173	-.00150	-.00150	-.00140	-.00199	-.00228	.00006	.00043

ARC 218-1-12 OA101 (OV102) (E200D9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELV-OB =	5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RUDDER =	.000	RN/L =	5.000

RUN NO. 237/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	.990	-.16870	-.16960	-.17040	-.16620	-.17080	-.17580	-.19500	-.24130	.15990	.13520
.252	2.991	-.17180	-.17260	-.17140	-.17310	-.17600	-.18100	-.19800	-.24860	.16150	.14030
.252	4.995	-.18420	-.18050	-.18500	-.18130	-.18460	-.19170	-.21360	-.24890	.15940	.13820
.251	6.996	-.19330	-.19410	-.19540	-.19410	-.19410	-.20160	-.22080	-.27090	.15910	.13320
.251	8.999	-.19600	-.20440	-.19810	-.20020	-.20020	-.20980	-.23310	-.28310	.16140	.13630
	GRADIENT	-.00387	-.00272	-.00365	-.00377	-.00345	-.00397	-.00465	-.00190	-.00013	.00075

ARC 218-1-12 0A101 (0V102) (E2Q0ED) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-OB = -5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 238/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-9.035	-.15540	-.15800	-.16050	-.16300	-.16550	-.17100	-.17390	-.18940	.15170	.12860
.251	-7.020	-.15650	-.15440	-.15310	-.15440	-.16150	-.15940	-.17110	-.18150	.16010	.13880
.251	-5.022	-.15380	-.15670	-.15670	-.15380	-.16040	-.16540	-.16620	-.17790	.15850	.13890
.251	-3.006	-.15630	-.15840	-.15420	-.16420	-.16670	-.16880	-.17000	-.18040	.16030	.13740
.251	-.989	-.16470	-.16560	-.16390	-.16640	-.17180	-.17100	-.17770	-.18810	.16150	.13850
	GRADIENT	-.00416	-.00357	-.00481	-.00109	-.00253	-.00109	-.00382	-.00382	.00059	.00055

ARC 218-1-12 0A101 (0V102) (E2Q0E1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-IB = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 239/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-4.075	-.16880	-.17010	-.17180	-.16760	-.17050	-.17470	-.18510	-.19890	.15570	.13360
.250	-1.977	-.17370	-.17200	-.17120	-.17120	-.17660	-.17700	-.18630	-.21220	.15620	.13310
.251	-.004	-.15990	-.16030	-.15740	-.16240	-.16950	-.17160	-.18070	-.20610	.16180	.13850
.250	1.957	-.16760	-.16380	-.16930	-.16840	-.16760	-.17350	-.18900	-.22160	.15740	.13260
.251	3.929	-.15670	-.16040	-.16250	-.16420	-.16130	-.16460	-.18950	-.22560	.15730	.14140
	GRADIENT	.00151	.00138	.00103	.00048	.00136	.00118	-.00057	-.00315	.00022	.00076

ARC 218-1-12 OA101 (OV102) (E2Q0E2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-IB = 5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 240/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	1.005	-.18390	-.18220	-.18060	-.18310	-.18560	-.19020	-.20820	-.23580	.15600	.13510
.251	2.966	-.18570	-.18400	-.17940	-.18230	-.18190	-.18530	-.20070	-.23690	.16030	.13860
.251	5.011	-.18180	-.18890	-.18260	-.18390	-.17930	-.18930	-.20970	-.25970	.16000	.14040
.251	6.984	-.18770	-.18390	-.18060	-.18480	-.18890	-.20100	-.21770	-.27060	.15750	.13580
.251	8.983	-.19560	-.18810	-.19600	-.19350	-.18890	-.21030	-.22320	-.29630	.15700	.13730
	GRADIENT	-.00092	-.00092	.00061	.00041	.00189	.00250	.00383	-.00056	.00219	.00179

ARC 218-1-12 OA101 (OV102) (E2Q0E3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-IB = -5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 241/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-9.044	-.15610	-.15740	-.16280	-.16030	-.16650	-.16820	-.17400	-.17820	.16040	.13620
.251	-7.036	-.16120	-.15790	-.15920	-.16290	-.16330	-.16540	-.17830	-.17830	.15940	.13770
.251	-4.938	-.16040	-.15910	-.16330	-.15830	-.16330	-.16330	-.16620	-.17910	.16110	.13900
.251	-2.928	-.16130	-.16510	-.15840	-.16220	-.16430	-.16930	-.17010	-.19140	.15860	.13730
.251	-1.014	-.16180	-.16140	-.15770	-.16310	-.16430	-.16560	-.17270	-.19480	.15940	.13690
	GRADIENT	-.00036	-.00061	.00144	-.00123	-.00026	-.00061	-.00166	-.00402	-.00044	-.00054

ARC 218-1-12 OA101 (OV102) (E2Q0E4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 242/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-4.025	-.16170	-.15920	-.16050	-.16000	-.16380	-.16630	-.17670	-.20050	.15920	.14040
.251	-2.015	-.16440	-.16810	-.16600	-.16900	-.16730	-.17230	-.18230	-.20620	.15610	.13470
.251	-.010	-.16180	-.16220	-.16470	-.16510	-.16510	-.16890	-.18050	-.20720	.15510	.13470
.251	1.958	-.16340	-.16800	-.16800	-.16510	-.17180	-.17010	-.18170	-.20790	.15910	.13950
.251	3.997	-.17720	-.17720	-.17520	-.17220	-.17640	-.17680	-.19190	-.21940	.15540	.13360
	GRADIENT	-.00150	-.00180	-.00157	-.00103	-.00148	-.00094	-.00149	-.00198	-.00023	-.00044

ARC 218-1-12 OA101 (OV102) (E2Q0E5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 243/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-4.032	-.16840	-.16670	-.16960	-.17000	-.17090	-.18210	-.19460	-.24010	.16500	.13660
.251	-2.015	-.17420	-.17460	-.17000	-.17170	-.17250	-.18170	-.20290	-.24530	.16380	.14220
.251	-.013	-.18630	-.18420	-.18920	-.18130	-.18760	-.19380	-.21470	-.26080	.15820	.13760
.251	2.002	-.19250	-.18710	-.18790	-.18920	-.18840	-.19080	-.21630	-.26420	.16190	.13930
.251	3.982	-.20030	-.19400	-.19990	-.19450	-.19450	-.20990	-.22620	-.27180	.15820	.13390
	GRADIENT	-.00410	-.00335	-.00391	-.00332	-.00315	-.00322	-.00382	-.00411	-.00077	-.00041

ARC 218-1-12 0A101 (0V102) (E2Q0E6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 244/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-1B	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-4.055	-.15600	-.15640	-.15760	-.15390	-.16220	-.16520	-.17060	-.18110	.15950	.13520
.251	-2.023	-.15390	-.15850	-.15600	-.15850	-.16480	-.16310	-.16930	-.18060	.16010	.13950
.251	-.013	-.15530	-.15570	-.15860	-.15780	-.16400	-.16530	-.17150	-.17730	.16220	.14050
.251	1.976	-.15750	-.15870	-.16080	-.16250	-.16540	-.16670	-.17460	-.18260	.15920	.14030
.251	4.008	-.16230	-.15560	-.16060	-.15560	-.16690	-.16640	-.16980	-.18690	.15780	.14190
	GRADIENT	-.00080	.00007	-.00054	-.00037	-.00050	-.00030	-.00018	-.00067	-.00021	.00071

ARC 218-1-12 0A101 (0V102) (E2Q0E7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 245/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-0B	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-3.838	-.17320	-.16980	-.16770	-.17150	-.17940	-.17610	-.18610	-.20070	.16030	.13810
.251	-2.388	-.16610	-.16110	-.16860	-.16690	-.16860	-.17030	-.18070	-.19980	.15730	.14020
.251	.024	-.16490	-.16580	-.16580	-.16700	-.16790	-.17160	-.18330	-.21010	.15930	.13750
.251	2.078	-.16510	-.16180	-.16600	-.16680	-.16720	-.16850	-.18230	-.21110	.15920	.13620
.251	4.267	-.16830	-.16670	-.16750	-.16920	-.16750	-.17500	-.19130	-.23190	.15860	.13350
	GRADIENT	.00047	.00020	.00015	.00019	.00115	.00014	-.00064	-.00362	-.00005	-.00066

ARC 218-1-12 OA101 (OV102) (E?Q0E8) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 246/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-3.974	-.17640	-.17680	-.17680	-.17730	-.17640	-.18390	-.19930	-.22770	.16070	.13890
.251	-1.984	-.17920	-.18580	-.18000	-.18620	-.18330	-.18960	-.20960	-.24250	.16010	.13750
.251	.065	-.18200	-.17620	-.18080	-.18120	-.18330	-.19370	-.20660	-.25190	.16300	.13840
.251	2.064	-.18150	-.18100	-.18230	-.17980	-.18640	-.19480	-.21510	-.26620	.16080	.14120
.251	4.116	-.18980	-.18560	-.18560	-.18150	-.18520	-.20060	-.22020	-.28810	.16180	.13880
	GRADIENT	-.00144	-.00063	-.00098	-.00010	-.00102	-.00191	-.00234	-.00715	.00014	.00017

ARC 218-1-12 OA101 (OV102) (E200E9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 247/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-4.020	-.16060	-.15930	-.16720	-.16600	-.17350	-.16970	-.17270	-.17730	.15890	.13970
.251	-1.979	-.16110	-.16190	-.16110	-.15860	-.16360	-.16690	-.16940	-.17770	.16030	.13650
.251	.140	-.16330	-.16120	-.16250	-.15500	-.16710	-.16460	-.16870	-.17960	.15870	.13700
.251	2.081	-.15570	-.15280	-.15690	-.16070	-.16520	-.16150	-.16900	-.18150	.16030	.13860
.251	4.025	-.15440	-.15560	-.16100	-.15520	-.16020	-.15980	-.16850	-.18810	.16250	.14000
	GRADIENT	.00087	.00081	.00083	.00098	.00124	.00125	.00044	-.00125	.00035	.00013

ARC 218-1-12 (OV102), NO SILTS POD (L2Q0F0) (01 FEB 78)

PEFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 345/ 0 RN/L = 8.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-8.065	-.14840	-.14820	-.14980	-.14710	-.15450	-.15450	-.16560	-.18680	-.09180	-.12810
.253	-5.565	-.15130	-.14730	-.14580	-.14810	-.14810	-.15080	-.15630	-.16560	-.02210	-.06370
.253	-.082	-.13970	-.14050	-.13990	-.14150	-.13830	-.14200	-.14550	-.14920	.09720	.06140
.253	2.734	-.14210	-.14610	-.14480	-.14770	-.14400	-.15270	-.15080	-.16540	.13540	.10910
.253	5.630	-.15740	-.16340	-.16050	-.15900	-.16080	-.16320	-.17710	-.19970	.17080	.13080
.254	7.190	-.16250	-.16190	-.16270	-.16590	-.16590	-.16770	-.18710	-.22990	.17620	.14090
.253	8.906	-.16600	-.16970	-.16580	-.16630	-.17210	-.17680	-.20310	-.25340	.18310	.14680
.253	11.161	-.17000	-.17130	-.17770	-.17210	-.17740	-.18660	-.22470	-.28670	.17970	.14710
.253	13.345	-.17570	-.17730	-.17860	-.17990	-.17360	-.18780	-.23830	-.31770	.16930	.14210
.252	16.629	-.20210	-.19650	-.20310	-.20230	-.20450	-.21800	-.26160	-.34290	.13330	.10190
.253	18.909	-.21090	-.21380	-.20720	-.20900	-.21510	-.22540	-.27750	-.33140	.10480	.07790
	GRADIENT	-.00085	-.00199	-.00174	-.00220	-.00202	-.00380	-.00188	-.00575	.01356	.01694

ARC 218-1-12 (OV102), NO SILTS POD (E2Q0F1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 4.500

RUN NO. 352/ 0 RN/L = 4.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.254	-7.499	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07360	-.11450
.255	-5.446	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01410	-.05340
.254	-2.247	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04890	.01160
.254	-.063	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09540	.06520
.253	2.139	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12960	.09650
.255	4.335	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15210	.12820
.255	6.538	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17020	.13570
.255	8.791	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17770	.14320
.254	10.985	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17790	.14880
.254	13.170	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16730	.13730
.254	14.251	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16500	.13460
.254	15.269	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15260	.12710
.254	16.367	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13870	.11470
.253	17.465	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12410	.10420
.253	18.595	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09770	.07500
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01566	.01736

ARC 218-1-12 (0V102), NO SILTS POD (E200F2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 350/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-7.850	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10240	-.09590
.253	-5.574	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04320	-.03000
.254	-.077	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06100	.10460
.253	2.702	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09240	.15660
.253	5.553	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11940	.18660
.254	7.225	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13260	.19700
.254	8.921	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13670	.19970
.253	11.151	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12820	.20400
.253	13.402	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11520	.19890
.248	16.653	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04930	.13910
.252	18.708	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04660	.13580
	GRADIENT	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.01130	.01871

ARC 218-1-12 (OV102), NO SILTS POD (E200F3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 346/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.254	-6.205	-.14900	-.14300	-.14790	-.14450	-.14870	-.14920	-.16570	-.19440	.29630	-.01270
.255	-4.116	-.14830	-.14800	-.14490	-.14280	-.15140	-.15110	-.16710	-.19500	.25670	.04130
.255	-2.067	-.14660	-.14920	-.14760	-.14560	-.14970	-.15470	-.16850	-.19340	.21570	.08840
.254	-.985	-.15440	-.15250	-.15330	-.15250	-.15750	-.16330	-.17840	-.20090	.18740	.11230
.251	-.174	-.19110	-.18590	-.19160	-.18920	-.19590	-.19050	-.21120	-.23250	.14170	.10530
.254	.604	-.16420	-.16180	-.16520	-.16290	-.16580	-.16340	-.17630	-.20410	.14780	.14620
.254	1.061	-.16160	-.15870	-.16240	-.16060	-.15900	-.16610	-.17970	-.20390	.13680	.16130
.254	2.049	-.16200	-.16100	-.15890	-.16330	-.16250	-.16540	-.18240	-.20280	.12290	.18490
.253	3.151	-.16760	-.16180	-.17070	-.17180	-.17150	-.17310	-.18760	-.21650	.09240	.20650
.254	4.248	-.16760	-.16290	-.17080	-.16530	-.17080	-.17290	-.18570	-.21540	.06510	.23440
.254	6.210	-.17110	-.17000	-.16870	-.17110	-.16900	-.16870	-.18810	-.21340	.02410	.27680
.254	8.467	-.17350	-.17550	-.17480	-.17290	-.17790	-.17870	-.19490	-.21980	-.02640	.32320
.253	10.232	-.18150	-.18260	-.18180	-.17860	-.18020	-.18200	-.19750	-.22250	-.06540	.36030
	GRADIENT	-.00241	-.00172	-.00297	-.00305	-.00229	-.00238	-.00214	-.00240	-.02266	.02332

ARC 218-1-12 (OV102), NO SILTS POD (E2Q0F4) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 348/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-6.124	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.30110	-.01110
.253	-4.147	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25850	.04110
.253	-2.515	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.22210	.07780
.253	-1.045	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.19080	.11390
.252	-.208	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16640	.12930
.253	.606	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15000	.14820
.253	1.053	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14470	.16790
.253	2.069	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11720	.18810
.252	3.134	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09280	.20750
.253	4.146	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07020	.22870
.253	6.189	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.02600	.27540
.253	8.216	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01670	.31650
.253	10.642	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07450	.36660
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02275	.02297

ARC 218-1-12 (OV102), NO SILTS POD (E2Q0F5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 349/ 0 RN/L = 7.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-8.016	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08620	-.12580
.253	-5.546	999.00000	999.00000	999.00000	999.00000	999.00000	999 00000	999.00000	999.00000	-.01670	-.05640
.253	-.119	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09670	.06180
.253	2.719	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13920	.11460
.253	5.656	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16650	.13720
.252	7.188	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17660	.14430
.252	8.903	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17850	.14570
.252	11.150	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18230	.15060
.253	13.354	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17890	.14260
.251	16.625	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14150	.10700
.253	18.862	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11040	.07670
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01497	.01860

ARC 218-1-12 (OV. 2), NO SILTS POD (E2Q0F6) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 351/ 0 RN/L = 7.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-22.863	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15770	.13400
.253	-17.979	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16100	.13980
.253	-15.101	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16180	.13700
.253	-10.031	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15530	.13620
.253	-4.980	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15980	.13580
.253	-2.487	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16210	.13730
.253	.113	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16380	.13900
.252	2.508	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15990	.13340
.253	5.121	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16070	.13720
.253	10.315	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16220	.13370
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	.00009	-.00021

ARC 218-1-12 (OV102), NO SILTS POD (E2Q0F7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 369/ 0 RN/L = 7.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-8.004	-.15550	-.15600	-.15220	-.15680	-.15970	-.16430	-.16700	-.19380	-.09340	-.13420
.252	-5.494	-.15030	-.14690	-.14740	-.14660	-.15270	-.14950	-.15430	-.16500	-.01500	-.06030
.251	-.086	-.15180	-.15770	-.15420	-.15670	-.15480	-.15180	-.15480	-.15850	.09280	.05710
.252	2.726	-.15480	-.14870	-.15000	-.14950	-.14950	-.15050	-.15800	-.17260	.13390	.10670
.252	5.618	-.15850	-.15430	-.15240	-.15690	-.16220	-.16940	-.17970	-.20700	.16570	.13300
.252	7.144	-.16660	-.16400	-.15630	-.15630	-.17170	-.17320	-.19150	-.23470	.17380	.14330
.252	8.889	-.16540	-.16880	-.15770	-.16720	-.16990	-.17810	-.21170	-.25910	.18240	.15220
.252	11.088	-.17360	-.16730	-.16330	-.16620	-.17570	-.18840	-.22680	-.29610	.18530	.15360
.251	13.315	-.18670	-.18910	-.17710	-.18220	-.19260	-.20110	-.25110	-.33180	.17160	.13960
.251	16.569	-.20010	-.19900	-.19180	-.19580	-.20970	-.21880	-.26720	-.34720	.14130	.10860
.251	18.794	-.22270	-.21680	-.21120	-.21520	-.22000	-.23660	-.28860	-.34820	.10680	.07350
	GRADIENT	-.00107	.00320	.00149	.00256	.00188	.00046	-.00114	-.00501	.01461	.01764

ARC 218-1-12 (OV102), NO SILTS POD (E2Q0F8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 8.000

RUN NO. 370/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-7.841	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10740	-.10260
.251	-5.551	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04650	-.03670
.252	-.037	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06310	.10260
.252	2.726	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09530	.15460
.251	5.525	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11330	.18360
.252	7.194	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12910	.19490
.252	8.848	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13630	.19870
.252	11.104	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12320	.20610
.251	16.568	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07550	.17480
.250	18.611	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04110	.14050
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01166	.01882

ARC 218-1-12 (OV102), NO SILTS POD (E2C0F9) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 371/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-6.088	-.14410	-.14670	-.14570	-.14410	-.15690	-.15210	-.16960	-.19360	.29850	-.00700
.251	-4.134	-.15330	-.15030	-.15090	-.14790	-.15460	-.15490	-.16900	-.19220	.25800	.04070
.251	-2.083	-.15610	-.15960	-.15590	-.15510	-.16600	-.16280	-.17990	-.20740	.21280	.08450
.251	-1.032	-.15760	-.15760	-.15540	-.15700	-.16290	-.16750	-.17680	-.20960	.18680	.10840
.251	-.187	-.15850	-.15290	-.15340	-.15850	-.15580	-.16140	-.17980	-.20790	.17210	.12970
.251	.569	-.15520	-.16130	-.15410	-.15920	-.16320	-.16640	-.18020	-.20660	.15690	.14870
.251	1.064	-.16040	-.15850	-.15610	-.16040	-.16150	-.16360	-.17510	-.20940	.14420	.16250
.251	2.071	-.16400	-.16400	-.16380	-.16110	-.16670	-.17120	-.17980	-.21180	.11930	.18600
.251	3.133	-.16230	-.16390	-.16440	-.16230	-.17030	-.16970	-.18280	-.21430	.10030	.21350
.251	4.144	-.16710	-.16760	-.16710	-.16730	-.17220	-.17400	-.19030	-.21740	.07140	.23280
.251	6.172	-.17200	-.17390	-.17310	-.16380	-.17150	-.17360	-.18720	-.21920	.02440	.27510
.252	8.199	-.17080	-.17270	-.17030	-.16710	-.17400	-.17880	-.19430	-.21930	-.01840	.31790
.251	10.189	-.18170	-.17450	-.17470	-.16990	-.17770	-.18250	-.19930	-.22720	-.06590	.35560
	GRADIENT	-.00155	-.00181	-.00192	-.00200	-.00176	-.00197	-.00181	-.00242	-.02218	.02378

ARC 218-1-12 (OV102), NO SILTS POD (E2Q0G0) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 372/ 0 RN/L = 7.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.138	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29520	-.00640
.251	-4.098	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.26120	.04340
.251	-2.056	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.21330	.08810
.251	-1.027	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.19160	.11480
.251	-.208	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17390	.13030
.251	.512	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15650	.14700
.251	1.038	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13970	.15830
.251	2.086	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12000	.18590
.251	3.143	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09550	.20970
.251	4.131	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07590	.23220
.251	6.165	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.02450	.27770
.251	8.195	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02610	.31510
.251	10.187	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.06450	.36110
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02269	.02303

ARC 218-1-12 (OV102), NO SILTS POD (E2Q0G1) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 373/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-7.977	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.08920	-.12350
.251	-5.513	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01440	-.05030
.251	-.063	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09660	.06430
.251	2.730	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13450	.11350
.251	5.052	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16000	.13590
.251	5.622	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17040	.13680
.251	7.180	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17800	.14800
.251	8.893	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18380	.15380
.251	11.099	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18270	.15310
.251	13.298	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16950	.13840
.250	16.539	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14320	.11330
.249	18.780	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10740	.07700
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01357	.01762

ARC 218-1-12 (OV102), NO SILTS POD (E2Q0G2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 368/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-22.892	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15620	.12840
.251	-18.043	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15550	.13000
.252	-14.934	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15490	.13110
.252	-10.052	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15690	.13070
.252	-4.919	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15740	.13490
.252	-2.417	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15550	.13240
.252	.066	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15670	.13740
.252	2.556	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16050	.13480
.252	5.064	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15730	.13350
.251	10.099	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15750	.13190
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00042	.00019

ARC 218-1-12 (OV102), NO SILTS POD (E2Q0G3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 353/ 0 RN/L = 7.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-8.053	-.16960	-.17580	-.17280	-.17230	-.17360	-.17990	-.18390	-.20450	-.08990	-.13170
.251	-5.555	-.16170	-.16000	-.16380	-.16220	-.16220	-.16350	-.17190	-.17730	-.01800	-.05870
.251	-.097	-.15650	-.15400	-.15050	-.15430	-.15650	-.15750	-.15460	-.16450	.09800	.06640
.251	2.697	-.16310	-.16170	-.16630	-.16060	-.16470	-.16680	-.16440	-.17840	.13230	.10710
.251	5.628	-.17640	-.17590	-.17480	-.17430	-.17910	-.17910	-.19480	-.21590	.16690	.13760
.251	7.164	-.17730	-.17730	-.17810	-.18370	-.18210	-.18240	-.20450	-.24030	.17940	.14430
.251	8.921	-.18410	-.18570	-.18240	-.18220	-.18540	-.19160	-.21690	-.26220	.18420	.15210
.251	11.113	-.19210	-.18700	-.18750	-.18640	-.19100	-.19910	-.23530	-.29200	.18050	.14900
.251	13.313	-.20570	-.20540	-.20010	-.20440	-.20380	-.21620	-.25550	-.33930	.16910	.13910
.251	16.556	-.21390	-.21100	-.21640	-.21770	-.22150	-.23230	-.27470	-.35450	.14120	.10820
.249	18.824	-.22930	-.22930	-.22300	-.22820	-.23390	-.25020	-.29550	-.35430	.09960	.07250
	GRADIENT	-.00236	-.00276	-.00565	-.00225	-.00293	-.00333	-.00351	-.00497	.01227	.01456

ARC 218-1-12 (OV102), NO SILTS POD (E2Q0G4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 359/ 0 RN/L = 4.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-7.878	-.16960	-.16660	-.16790	-.17140	-.17850	-.17800	-.18690	-.20500	-.09110	-.12950
.252	-5.456	-.16640	-.17080	-.16810	-.16810	-.16770	-.16730	-.17210	-.18180	-.02220	-.05800
.253	-.084	-.15360	-.15180	-.15140	-.15400	-.15360	-.15530	-.15490	-.15750	.09670	.06680
.252	2.669	-.16290	-.16510	-.16510	-.16160	-.16910	-.16730	-.16820	-.18300	.13260	.10580
.250	4.547	-.16940	-.17030	-.17430	-.16720	-.17080	-.17120	-.18360	-.20450	.15300	.12810
.251	5.557	-.16980	-.16940	-.17160	-.17070	-.17380	-.18000	-.18660	-.21570	.16520	.13570
.251	7.057	-.17540	-.18110	-.17580	-.18200	-.17540	-.18030	-.20150	-.23780	.17180	.14180
.251	8.752	-.18140	-.18140	-.17750	-.18360	-.18540	-.18890	-.21320	-.25470	.18320	.14040
.251	10.944	-.18560	-.18250	-.18520	-.18560	-.18740	-.19670	-.23200	-.28710	.18230	.15060
.251	13.087	-.19630	-.19100	-.19630	-.19320	-.19540	-.20700	-.25120	-.32650	.16950	.14470
.249	16.303	-.21950	-.21590	-.22040	-.21770	-.22260	-.22980	-.27450	-.34170	.13390	.10970
.249	18.505	-.22520	-.22660	-.22160	-.22660	-.22700	-.24270	-.28950	-.34660	.10600	.08040
	GRADIENT	-.00341	-.00406	-.00495	-.00284	-.00386	-.00350	-.00610	-.01010	.01222	.01331

ARC 218-1-12 OA101 (OV102) NO SILTS, F.D. SEALED (E2Q0G5) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 360/ 0 RN/L = 5.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-7.856	-.16900	-.16440	-.16690	-.16480	-.16860	-.17320	-.16860	-.17410	-.09430	-.12450
.253	-5.464	-.15830	-.15960	-.15870	-.16290	-.16080	-.16040	-.16420	-.16370	-.02140	-.05520
.253	-.071	-.15930	-.16140	-.16640	-.16430	-.16720	-.16020	-.16470	-.16390	.09240	.05940
.253	2.683	-.16120	-.17000	-.16710	-.16290	-.16500	-.16580	-.16380	-.16880	.13150	.10730
.253	5.521	-.17270	-.17230	-.17270	-.17230	-.17480	-.17020	-.17140	-.18310	.16410	.13650
.252	7.027	-.17870	-.18170	-.18120	-.18170	-.17920	-.18710	-.18540	-.19760	.16980	.14300
.253	8.700	-.18600	-.17970	-.18760	-.18010	-.18510	-.18430	-.19470	-.20520	.17860	.14310
.252	10.903	-.19230	-.19230	-.19360	-.19110	-.19400	-.19740	-.20410	-.22290	.17380	.14950
.252	13.096	-.20490	-.20120	-.19530	-.19110	-.20490	-.19910	-.21330	-.23830	.17200	.14310
.251	16.257	-.20870	-.20780	-.20490	-.20320	-.20780	-.20700	-.22170	-.24150	.13980	.11160
.250	18.528	-.21730	-.21390	-.21310	-.21600	-.21560	-.21860	-.23170	-.25160	.10670	.07880
	GRADIENT	-.00069	-.00312	-.00025	.00051	.00080	-.00203	.00033	-.00178	.01420	.01740

ARC 218-1-12 (OV102), NO SILTS POD (E2Q0G6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 8.000

RUN NO. 357/ 0 RN/L = 7.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-7.850	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09910	-.09910
.251	-5.572	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04390	-.03180
.251	-.084	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05970	.09930
.252	2.703	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10300	.15690
.251	5.530	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11910	.19210
.252	7.190	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13260	.19750
.251	8.862	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13510	.20110
.252	11.129	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13230	.20670
.251	13.340	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11490	.20020
.251	16.567	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08040	.17680
.250	18.670	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04690	.14620
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01554	.02067

ARC 218-1-12 (OV102), NO SILTS POD (E200G7) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 354/ 0 RN/L = 7.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-6.143	-.15650	-.15650	-.16020	-.15350	-.15940	-.16340	-.17460	-.19410	.30250	-.00410
.251	-4.104	-.17330	-.16770	-.16870	-.16710	-.17010	-.17170	-.18530	-.21070	.25520	.03900
.251	-2.101	-.16820	-.17170	-.17010	-.16760	-.17220	-.17170	-.18750	-.21240	.21260	.08770
.250	-1.062	-.17570	-.17650	-.17730	-.17940	-.17860	-.18050	-.19100	-.21250	.18870	.10510
.251	-.223	-.17670	-.17800	-.17530	-.17430	-.17370	-.17830	-.19080	-.21270	.17170	.13070
.251	.608	-.18030	-.17760	-.17390	-.17820	-.18220	-.18590	-.19450	-.21400	.15300	.14760
.252	1.065	-.16660	-.16370	-.17270	-.17510	-.17670	-.17480	-.18570	-.21340	.14940	.16920
.251	2.089	-.17510	-.17540	-.17510	-.17810	-.17540	-.17910	-.19320	-.21830	.11910	.18630
.251	3.175	-.17690	-.17720	-.17770	-.17640	-.18110	-.18140	-.19310	-.21550	.09640	.21000
.251	4.162	-.18880	-.18180	-.18260	-.17860	-.18480	-.18450	-.19360	-.22190	.07450	.23170
.251	6.226	-.19100	-.19370	-.19310	-.19390	-.19720	-.19550	-.20760	-.23370	.01860	.27020
.251	8.227	-.18510	-.19200	-.18510	-.18930	-.18800	-.19250	-.20080	-.23610	-.02040	.31700
.251	10.229	-.19360	-.19570	-.19620	-.19810	-.19650	-.20050	-.21120	-.23920	-.06710	.35500
	GRADIENT	-.00139	-.00115	-.00132	-.00132	-.00151	-.00139	-.00094	-.00115	-.02185	.02361

ARC 218-1-12 (OV102), NO SILTS POD (E2Q0G8) (01 FEB 78)

PEFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 355/ 0 RN/L = 7.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.170	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.30150	-.00800
.252	-4.195	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.25970	.04550
.251	-2.102	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.21210	.08330
.251	-1.049	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18670	.11320
.251	-.204	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17100	.13390
.251	.603	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15850	.15220
.251	1.060	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13750	.15940
.251	2.066	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11890	.18430
.251	3.148	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09540	.21060
.251	4.155	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06830	.22860
.251	6.223	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01920	.27430
.251	8.217	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01770	.31850
.251	10.187	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.06710	.35300
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02265	.02256

ARC 218-1-12 (OV102), NO SILTS POD (E2Q1G9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 356/ 0 RN/L = 7.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-8.052	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09010	-.12910
.251	-5.575	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01610	-.06170
.252	-.103	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09910	.06610
.252	2.702	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13830	.11560
.251	5.641	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16880	.13440
.252	7.150	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18310	.14550
.252	8.881	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18100	.14930
.252	11.108	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18800	.15160
.251	13.298	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16960	.13950
.251	16.562	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14070	.10950
.250	18.821	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10760	.07770
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01398	.01765

ARC 218-1-12 (OV102), NO SILTS POD (E2Q0H0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 358/ 0 RN/L = 7.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-22.940	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16060	.14110
.252	-18.054	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16090	.13840
.251	-15.111	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16330	.13870
.252	-10.020	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16220	.13730
.251	-4.888	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15850	.13760
.251	-2.487	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15980	.13320
.251	.019	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16120	.13400
.251	2.641	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15800	.13970
.251	5.140	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16150	.13270
.251	10.001	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15900	.13850
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00001	.00030

ARC 218-1-12 (OV102), NO SILTS POD (E200H1) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	4.500
AILRON =	.000	BDFLAP =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	4.500		

RUN NO. 366/ 0 RN/L = 4.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-7.433	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07200	-.11900
.254	-5.311	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01090	-.05400
.254	-2.104	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06140	.01790
.254	.069	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09690	.06740
.255	2.263	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13260	.10000
.254	4.472	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15000	.12870
.253	6.482	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16500	.14030
.253	8.881	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17700	.14120
.253	11.019	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18040	.15650
.251	13.204	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16070	.13560
.252	14.282	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16070	.13620
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01375	.01664

RUN NO. 361/ 0 RN/L = 4.51 . GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.399	-7.431	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10000	-.14010
.399	-5.362	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04370	-.07920
.399	-2.118	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04100	-.00330
.399	.063	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07800	.04440
.399	2.257	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11080	.08070
.400	4.538	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13340	.10920
.401	6.812	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15230	.12440
.401	8.930	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16030	.12450
.401	11.165	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15750	.13090
.402	13.400	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15260	.12380
.400	14.520	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13720	.11190
.399	15.582	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12610	.09980
.398	16.681	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11940	.09240
.397	17.771	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10570	.07510
.394	18.901	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08030	.06070
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01397	.01685

ARC 218-1-12 (OV102), NO SILTS POD (E2Q0H2) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 4.500

RUN NO. 365/ 0 RN/L = 4.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-7.446	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07120	-.11650
.254	-5.382	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01300	-.05540
.254	-2.229	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05500	.01900
.254	-.076	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09470	.06510
.254	2.152	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12980	.10170
.254	4.372	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15240	.12740
.254	6.381	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16650	.14200
.254	8.722	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17870	.14000
.254	10.937	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18140	.15280
.254	13.105	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16830	.14100
.252	14.159	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15630	.12870
.252	15.192	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14770	.12240
.252	16.263	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13290	.11350
.252	17.359	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12100	.09880
.251	18.474	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10710	.08160
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01485	.01641

RUN NO. 362/ 0 RN/L = 4.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.402	-7.599	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09810	-.13890
.403	-5.526	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.03830	-.07710
.402	-2.257	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.03190	-.00460
.403	-.060	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07850	.04330
.403	2.182	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11320	.08260
.404	4.410	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13640	.11300
.403	6.499	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15510	.12200
.402	8.855	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16300	.12720
.401	11.067	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15910	.12800
.400	13.312	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14910	.12450
.400	14.383	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14440	.11130
.398	15.454	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13130	.10130
.396	16.577	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11510	.08670
.396	17.681	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10070	.08040
.394	18.830	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08780	.05970
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01565	.01762

ARC 218-1-12 (OV102), NO SILTS POD (F2Q0H3) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -5.000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 4.500

RUN NO. 364/ 0 RN/L = 4.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-7.524	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07860	-.12180
.252	-5.557	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01490	-.06160
.253	-2.350	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05600	.01510
.253	-.181	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09630	.06490
.254	2.034	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12760	.10120
.254	4.246	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14940	.12750
.253	6.342	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16580	.13830
.252	8.621	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17500	.13740
.252	10.796	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17670	.14760
.252	12.971	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16750	.14770
.252	14.032	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15700	.13860
.251	15.058	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14620	.12480
.251	16.130	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13520	.11240
.251	17.224	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12520	.10010
.251	18.348	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10780	.08700
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	.01415	.01696

RUN NO. 363/ 0 RN/L = 4.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.399	-7.716	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.10050	-.14540
.399	-5.648	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04290	-.08590
.401	-2.414	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.03690	-.00420
.400	-.217	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07460	.04560
.400	2.005	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11040	.07870
.400	4.249	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13370	.10960
.399	6.428	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14640	.12240
.400	8.698	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16640	.12220
.400	10.950	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16460	.13300
.399	13.156	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15450	.12480
.398	14.246	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.14560	.11560
.397	15.281	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13020	.10390
.396	16.378	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12330	.09610
.395	17.479	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10720	.08510
.392	18.660	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08860	.06160
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01468	.01685

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (E2Q0H4) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 374/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-4.419	-.16020	-.16100	-.15830	-.15690	-.15990	-.16040	-.16260	-.17270	.00650	-.03030
.251	-2.347	-.15220	-.15390	-.15200	-.15140	-.15110	-.15030	-.15630	-.15410	.05520	.01930
.251	-.228	-.14390	-.14290	-.14100	-.14040	-.14610	-.14580	-.14640	-.15040	.10110	.06650
.251	2.045	-.14880	-.15090	-.15090	-.14800	-.15310	-.15230	-.15580	-.16750	.12850	.10080
.250	4.209	-.15380	-.15620	-.16080	-.15620	-.15760	-.16250	-.16630	-.19020	.14940	.12790
.250	6.501	-.16420	-.15800	-.15960	-.16450	-.16180	-.17050	-.19010	-.22170	.16610	.14270
.251	8.558	-.16050	-.16130	-.15700	-.16000	-.16380	-.16810	-.19880	-.24980	.17840	.15940
.250	10.553	-.16640	-.16750	-.16620	-.16780	-.16830	-.18250	-.22150	-.28250	.17480	.15380
.249	12.723	-.18520	-.17810	-.17950	-.17920	-.18960	-.19620	-.25010	-.33040	.16830	.14590
.250	15.045	-.19690	-.19330	-.19630	-.19500	-.20370	-.21270	-.26130	-.35050	.14720	.12510
.249	17.181	-.21260	-.21320	-.21730	-.21730	-.22190	-.23560	-.28410	-.35910	.11910	.10160
.250	19.408	-.22010	-.22580	-.22120	-.22170	-.22470	-.23770	-.27910	-.31770	.08590	.06820
.249	21.632	-.23680	-.23140	-.23550	-.23850	-.23930	-.25440	-.27190	-.28940	.03950	.01730
	GRADIENT	.00073	.00055	-.00021	.00020	.00010	-.00031	-.00035	-.00229	.01654	.01835

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (E2Q0H5) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 375/ 0 RN/L = 5.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.249	-4.365	-.15200	-.15630	-.15330	-.15290	-.15800	-.15970	-.16610	-.16910	.01500	-.03110
.248	-2.198	-.15410	-.14950	-.15330	-.15240	-.15540	-.15160	-.15630	-.15760	.05870	.01470
.249	-.204	-.14610	-.14950	-.14660	-.14950	-.14870	-.15040	-.15080	-.15970	.09360	.06850
.249	2.035	-.14930	-.14880	-.14930	-.15010	-.14800	-.15180	-.15390	-.16700	.12720	.10310
.250	4.193	-.15350	-.15010	-.15560	-.15640	-.15770	-.16060	-.16730	-.18880	.14730	.12880
.250	6.460	-.16140	-.15630	-.15630	-.15340	-.16140	-.15970	-.18230	-.21500	.16780	.14690
.250	8.510	-.16470	-.16090	-.16640	-.16550	-.17060	-.17220	-.20570	-.24890	.17710	.15360
.250	10.487	-.16770	-.16680	-.16770	-.16180	-.17270	-.18030	-.22450	-.27740	.18080	.15930
.249	12.631	-.18270	-.18180	-.18270	-.18690	-.19190	-.19790	-.24900	-.32080	.16780	.14790
.248	14.890	-.19840	-.19380	-.19550	-.19670	-.19890	-.21500	-.26130	-.34160	.14520	.12860
.248	16.988	-.21690	-.21480	-.21220	-.21600	-.21480	-.23350	-.27830	-.33850	.11750	.09440
.250	19.230	-.22590	-.22710	-.22500	-.22590	-.22670	-.24560	-.29480	-.33930	.08850	.07460
.249	21.434	-.25440	-.24560	-.25020	-.24770	-.25360	-.26820	-.29760	-.32450	.04060	.02420
	GRADIENT	.00007	.00061	-.00004	-.00023	.00036	-.00010	-.00002	-.00231	.01558	.01908

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (E2Q0H6) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 376/ 0 RN/L = 3.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.248	-4.362	-.12410	-.11840	-.11480	-.11550	-.10980	-.10410	-.10480	-.10770	.02460	-.00620
.248	-2.330	-.14060	-.13990	-.14060	-.14200	-.14130	-.13990	-.14060	-.14130	.05800	.02140
.250	-.223	-.14670	-.14460	-.14180	-.14600	-.14670	-.14670	-.14890	-.15100	.09250	.06490
.250	2.024	-.15130	-.14780	-.15130	-.15490	-.15700	-.15630	-.16060	-.17050	.12510	.09660
.250	4.169	-.15750	-.14900	-.15610	-.15750	-.15680	-.16390	-.17670	-.19300	.15030	.12750
.250	6.029	-.16210	-.16140	-.15920	-.16420	-.16560	-.16920	-.18480	-.21890	.16210	.13940
.249	8.445	-.17140	-.17000	-.16850	-.17000	-.17000	-.18140	-.21340	-.26250	.17110	.14610
.249	10.425	-.16920	-.16770	-.16700	-.16770	-.17630	-.18550	-.22530	-.29130	.17780	.15790
.249	12.575	-.18930	-.18720	-.18510	-.18860	-.19650	-.20080	-.25500	-.33560	.16300	.14300
.249	14.792	-.19500	-.19780	-.19780	-.19780	-.20350	-.21560	-.27040	-.35220	.15100	.12610
.249	16.889	-.20700	-.20780	-.20780	-.21200	-.21630	-.23340	-.28620	-.35170	.12610	.10760
.248	19.088	-.22800	-.22580	-.22440	-.22730	-.22660	-.24380	-.29120	-.33280	.08340	.06470
.249	21.245	-.21820	-.21960	-.22180	-.22030	-.22600	-.23460	-.26880	-.30590	.05430	.03140
	GRADIENT	-.00360	-.00320	-.00433	-.00450	-.00509	-.00631	-.00762	-.00931	.01486	.01599

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (E2Q0H7) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	8.000		

RUN NO. 377/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-4.242	-.15370	-.15430	-.15760	-.15730	-.15480	-.16220	-.15970	-. 6550	-.01860	.00070
.251	-2.235	-.14740	-.14580	-.14720	-.14530	-.14910	-.15120	-.14990	-.15180	.03550	.05730
.251	-.052	-.14680	-.14710	-.14790	-.14600	-.14600	-.14490	-.14550	-.15230	.05770	.09990
.251	2.140	-.15460	-.15020	-.15130	-.15190	-.15350	-.15650	-.15430	-.16550	.08550	.14340
.251	4.309	-.15850	-.15630	-.15930	-.15380	-.15930	-.16170	-.16720	-.19790	.10950	.17670
.251	6.622	-.16030	-.16000	-.16080	-.16080	-.16790	-.16710	-.19080	-.21550	.12100	.19950
.250	8.689	-.17110	-.17060	-.16700	-.16840	-.17170	-.17770	-.20660	-.25050	.12410	.20580
.250	10.701	-.17290	-.17370	-.16930	-.16900	-.17420	-.18950	-.23260	-.29350	.12370	.21010
.249	12.867	-.19170	-.18970	-.19110	-.18950	-.19550	-.20510	-.25520	-.33650	.10690	.20650
.249	15.126	-.20020	-.19740	-.20020	-.20270	-.21150	-.21950	-.26390	-.34100	.08740	.19060
.248	17.333	-.22390	-.22200	-.22280	-.22640	-.22730	-.24120	-.28810	-.34800	.04990	.16550
.247	19.504	-.23900	-.23480	-.23450	-.23950	-.24120	-.25440	-.28460	-.32180	.00860	.13150
.247	21.769	-.25150	-.25420	-.25200	-.25230	-.25540	-.26260	-.28210	-.28850	-.03830	.08940
	GRADIENT	-.00080	-.00041	-.00037	-.00001	-.00064	-.00023	-.00093	-.00371	.01421	.02037

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (E2Q0H8) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 378/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.249	-4.169	-.15080	-.15380	-.15120	-.15080	-.14780	-.15380	-.15510	-.16160	-.01130	.00420
.249	-2.206	-.14530	-.14920	-.14790	-.14660	-.14750	-.14830	-.14440	-.15220	.02630	.05440
.249	-.026	-.14640	-.14860	-.14900	-.14950	-.15160	-.14430	-.14820	-.15290	.05960	.10410
.248	2.133	-.14510	-.14720	-.14380	-.14590	-.14680	-.15200	-.15410	-.15890	.08710	.14190
.248	4.289	-.16050	-.15960	-.15530	-.16140	-.16400	-.16530	-.17350	-.18910	.10100	.17430
.248	6.545	-.16220	-.16610	-.16910	-.16220	-.16830	-.17300	-.18730	-.22440	.11760	.19690
.248	8.596	-.17050	-.16750	-.16840	-.16880	-.17270	-.17530	-.20940	-.25310	.12430	.19310
.248	10.642	-.17770	-.17340	-.17250	-.17420	-.17860	-.18680	-.22840	-.29160	.12090	.21200
.247	12.787	-.18840	-.18580	-.18490	-.19150	-.19450	-.20010	-.24410	-.31790	.10990	.20440
.247	14.959	-.20490	-.20450	-.20010	-.20400	-.20660	-.21800	-.26680	-.33270	.08900	.19000
.246	17.092	-.22570	-.22310	-.22480	-.22270	-.22570	-.23970	-.29520	-.35200	.06280	.17050
.245	19.272	-.24590	-.24630	-.24630	-.24460	-.25070	-.26390	-.31190	-.34660	.01760	.13820
.245	21.338	-.27160	-.26680	-.26680	-.27030	-.28170	-.29050	-.32660	-.33980	-.02470	.09240
	GRADIENT	-.00092	-.00047	-.00020	-.00098	-.00150	-.00128	-.00223	-.00295	.01340	.02009

ARC 218-1-12 OA101 (OV102) G.P. STING,W.S. TUFTS (E2Q0H9) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 379/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.250	-4.132	-.13650	-.13650	-.13060	-.12480	-.12120	-.12330	-.12480	-.12190	-.01350	.01130
.250	-2.150	-.14400	-.14550	-.14400	-.14480	-.14620	-.14330	-.14770	-.14550	.02780	.05910
.250	-.021	-.14800	-.15170	-.15020	-.14730	-.15380	-.15170	-.15020	-.15900	.06540	.09970
.250	2.142	-.15210	-.15210	-.15280	-.15060	-.14920	-.15140	-.15720	-.16590	.08650	.13820
.249	4.272	-.16910	-.16470	-.16840	-.16540	-.16690	-.17130	-.18010	-.20430	.09950	.16330
.249	6.503	-.16620	-.17050	-.16910	-.16400	-.16840	-.17270	-.19030	-.22890	.11510	.18890
.249	8.555	-.17110	-.16600	-.16740	-.16670	-.17110	-.17910	-.20900	-.26010	.12950	.20320
.249	10.572	-.17720	-.17720	-.17580	-.17720	-.17600	-.19180	-.23480	-.29680	.12360	.21050
.249	12.718	-.19460	-.19310	-.19390	-.18580	-.19900	-.20710	-.25690	-.33100	.11160	.20340
.248	14.877	-.20620	-.20540	-.20620	-.20690	-.21130	-.22380	-.27450	-.34870	.09200	.19060
.249	17.007	-.22890	-.23470	-.23470	-.23030	-.23690	-.25890	-.31380	-.37910	.05930	.16940
.248	19.170	-.23570	-.23570	-.23350	-.23790	-.24310	-.26140	-.31280	-.34880	.02290	.13990
.248	21.146	-.23670	-.23450	-.23450	-.23890	-.24410	-.25510	-.30070	-.32950	-.01870	.09920
	GRADIENT	-.00348	-.00298	-.00399	-.00411	-.00444	-.00492	-.00568	-.00877	.01345	.01813

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (E2Q010) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 332/ 0 RN/L = 7.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-8.047	-.15990	-.15740	-.15990	-.16040	-.16280	-.16630	-.17130	-.19410	-.10960	-.14180
.252	-5.534	-.14150	-.14180	-.14580	-.13940	-.14530	-.14530	-.14690	-.15190	-.04480	-.07600
.252	-.096	-.13560	-.13400	-.13030	-.12920	-.13110	-.12950	-.13450	-.13750	.06600	.04820
.251	2.738	-.13980	-.14250	-.13980	-.13710	-.14330	-.14600	-.15020	-.16620	.09110	.08650
.252	5.631	-.14910	-.14650	-.14600	-.14810	-.14780	-.15790	-.16830	-.19720	.12440	.11270
.253	7.207	-.14510	-.14090	-.14540	-.14430	-.14990	-.15730	-.17610	-.21490	.13390	.12550
.252	8.929	-.15270	-.15250	-.15590	-.15490	-.16120	-.16630	-.19230	-.24110	.13720	.12660
.252	11.133	-.16260	-.15940	-.15780	-.15990	-.16070	-.17350	-.21270	-.27880	.13770	.12470
.252	13.338	-.16020	-.16230	-.16070	-.15990	-.16340	-.17030	-.21790	-.29990	.13450	.11860
.251	16.616	-.17610	-.18040	-.17310	-.17820	-.17880	-.19220	-.24160	-.31460	.11480	.09550
.250	18.033	-.18620	-.18620	-.18830	-.18910	-.19370	-.20940	-.26530	-.32560	.09270	.06440
	GRADIENT	-.00148	-.00300	-.00335	-.00279	-.00431	-.00582	-.00554	-.01013	.00886	.01351

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (E2Q011) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 8.000

RUN NO. 335/ 0 RN/L = 7.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-7.821	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.12480	-.08910
.254	-5.575	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07800	-.02920
.254	-.053	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01480	.09870
.253	2.742	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04470	.14530
.253	5.561	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06810	.17560
.254	7.227	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07920	.18160
.254	8.926	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08300	.18590
.254	11.194	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08430	.19160
.253	13.413	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07820	.18160
.252	16.690	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06500	.15490
.251	18.708	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04220	.12930
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01070	.01668

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (E2Q012) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 336/ 0 RN/L = 7.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-6.175	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29020	-.04100
.253	-4.181	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.24010	.01110
.254	-2.120	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18310	.06800
.253	-1.042	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15390	.08580
.253	-.205	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12910	.11040
.253	.591	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10840	.13140
.253	1.060	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09670	.14070
.253	2.111	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06340	.17230
.253	3.180	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.03710	.19700
.253	6.251	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04130	.27200
.253	8.264	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09170	.31960
.253	10.266	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.13520	.36750
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02772	.02516

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (E2Q013) (01 FEB 78)

PEFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

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

RUN NO. 337/ 0 RN/L = 7.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-6.109	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.29100	-.03860
.252	-4.181	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.23960	.01340
.251	-2.105	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18240	.05780
.253	-1.040	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15480	.09200
.252	-.222	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13500	.11340
.252	.609	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.11210	.13450
.252	1.064	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10140	.15080
.253	2.123	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06940	.17360
.252	3.161	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.03690	.19720
.253	4.153	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01190	.22540
.252	6.251	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04690	.27380
.252	8.264	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09100	.32480
.252	10.280	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.13250	.37390
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.02733	.02575

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (E2J014) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 333/ 0 RN/L = 7.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.252	-35.127	-.07770	-.07660	-.07420	-.07480	-.08540	-.08380	-.09680	-.09870	.11250	.10720
.252	-29.981	-.09970	-.09150	-.09440	-.09230	-.09890	-.10450	-.11620	-.11510	.11200	.10850
.253	-25.059	-.12540	-.11620	-.11670	-.12460	-.13780	-.13970	-.14890	-.14920	.11630	.10760
.253	-20.101	-.13170	-.13090	-.13170	-.13530	-.14850	-.14770	-.15590	-.15700	.11300	.11110
.253	-15.026	-.13270	-.12870	-.12710	-.13190	-.13800	-.14190	-.14480	-.15170	.11320	.11000
.253	-9.992	-.12580	-.12580	-.13190	-.12760	-.13400	-.13820	-.14560	-.14660	.11540	.10670
.253	-4.971	-.13590	-.13720	-.13700	-.13640	-.14010	-.13540	-.14670	-.15510	.11710	.11050
.253	-.025	-.14100	-.14360	-.14360	-.14550	-.14860	-.15390	-.16470	-.18760	.11400	.11210
.253	5.011	-.17230	-.16880	-.16750	-.16570	-.17150	-.17880	-.19520	-.24620	.11680	.11280
.253	9.994	-.21940	.21650	-.21990	-.22260	-.22420	-.24080	-.25910	-.32980	.11450	.10790
.253	14.991	-.27320	-.27240	-.27500	-.27480	-.28140	-.30060	-.32040	-.43790	.11720	.11620
.252	20.163	-.36500	-.35830	-.35990	-.35780	-.36470	-.39520	-.47490	-.72450	.11460	.11410
	GRADIENT	-.00103	-.00129	-.00133	-.00184	-.00172	-.00374	-.00364	-.00657	-.00063	.00032

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (E2Q015) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 334/ 0 RN/L = 7.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-11.738	-.15860	-.15540	-.15220	-.16100	-.16020	-.16230	-.17420	-.19580	.11980	.11400
.253	-7.931	-.15180	-.14810	-.15230	-.15100	-.15420	-.15600	-.16870	-.18920	.11640	.11460
.253	-5.893	-.15140	-.14980	-.15380	-.15090	-.15880	-.15880	-.17000	-.19480	.11790	.11370
.253	-2.934	-.14510	-.14800	-.14850	-.15090	-.14720	-.15510	-.16570	-.18940	.12270	.12000
.253	-.030	-.15120	-.15230	-.15070	-.15380	-.15440	-.15680	-.16950	-.18930	.11430	.11330
.253	3.013	-.14900	-.14500	-.14450	-.13970	-.15160	-.15050	-.16250	-.18520	.11740	.11770
.253	5.970	-.14710	-.14790	-.14950	-.14550	-.15190	-.15590	-.16810	-.18910	.11510	.11110
.253	7.970	-.13810	-.14250	-.13880	-.14250	-.14730	-.14540	-.16070	-.18150	.12490	.11700
.253	12.150	-.14750	-.14490	-.13990	-.14600	-.14730	-.14970	-.16680	-.18560	.12270	.11560
.253	16.370	-.14600	-.14380	-.14090	-.14380	-.14890	-.14830	-.16470	-.16960	.11890	.11450
.253	22.500	-.14310	-.14520	-.14630	-.14360	-.15180	-.15290	-.16670	-.19020	.12620	.11910
	GRADIENT	-.00064	.00052	.00068	.00191	-.00073	.00078	.00055	.00071	-.00088	-.00037

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (E20016) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 338/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-7.894	-.15130	-.15260	-.14960	-.15010	-.15970	-.15840	-.16890	-.19070	-.10510	-.13470
.253	-5.452	-.14410	-.14790	-.14290	-.14580	-.15120	-.15290	-.15670	-.17250	-.03650	-.06700
.253	-.101	-.12930	-.13390	-.12930	-.13140	-.13300	-.13640	-.13720	-.14430	.06170	.04720
.254	2.696	-.13460	-.13380	-.13630	-.13090	-.13420	-.13170	-.14130	-.15740	.09680	.08890
.253	5.608	-.14320	-.13980	-.14230	-.14360	-.15020	-.14900	-.16020	-.19210	.12680	.11640
.253	7.115	-.14710	-.14710	-.14710	-.14830	-.14910	-.15410	-.17650	-.21340	.13300	.11520
.253	8.793	-.15750	-.15750	-.15670	-.16040	-.16290	-.16420	-.19970	-.23980	.13650	.12400
.253	10.989	-.15500	-.16130	-.16050	-.16460	-.16960	-.17460	-.21300	-.27270	.13720	.12310
.253	13.169	-.15880	-.16010	-.15800	-.15920	-.16170	-.17510	-.21460	-.29540	.13480	.12400
.251	16.313	-.18530	-.17730	-.17640	-.17560	-.18440	-.19660	-.23750	-.31380	.11650	.09210
.251	18.553	-.19360	-.18850	-.18760	-.19360	-.19360	-.20670	-.26040	-.32680	.09160	.07080
	GRADIENT	-.00189	.00004	-.00250	.00018	-.00043	.00168	-.00147	-.00468	.01255	.01491

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (E20017) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 341/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-7.746	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.13160	-.10180
.251	-5.471	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.07440	-.03350
.251	-.050	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.01180	.09410
.251	2.715	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04710	.14580
.251	5.490	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06250	.17300
.251	7.166	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.07380	.17550
.251	8.799	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08030	.18180
.251	11.017	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.08050	.18840
.247	13.238	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04510	.14830
.250	16.380	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06400	.15800
.249	18.399	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.04020	.13810
	GRADIENT	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	-.00001	.01277	.01870

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (E2Q018) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 342/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-5.308	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.13650	.02920
.251	.010	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.06640	.16400
.251	2.163	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.03960	.20770
.251	5.500	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.02090	.25020
.251	6.630	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01000	.25700
.251	8.773	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.00150	.26190
.251	11.015	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.00600	.26540
.250	13.150	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.00370	.26790
.250	16.321	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.01960	.25310
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.01245	.02030

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (E2Q019) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 343/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-6.219	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.28460	-.04520
.251	-4.167	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.23500	.00670
.251	-2.071	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.18490	.06460
.251	-1.044	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.15430	.09250
.250	-.203	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.12850	.11300
.251	.618	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10980	.13490
.250	1.067	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09330	.14700
.249	2.082	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.05570	.16520
.249	3.146	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.03860	.20320
.251	4.176	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.00400	.22190
.252	6.198	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.05030	.27330
.252	8.208	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09230	.31480
.253	10.181	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.13220	.36850
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02806	.02583

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (E2Q0J0) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 344/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.253	-6.148	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.28710	-.03640
.252	-4.184	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.23490	.00850
.252	-2.067	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.17790	.06550
.252	-1.042	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.16100	.09250
.252	-.222	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.13110	.11330
.252	.613	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.10330	.13030
.252	1.064	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.09500	.14630
.252	2.089	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.06370	.17370
.252	3.147	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.03040	.20000
.252	4.155	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	.00410	.22210
.252	6.203	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.04620	.27390
.252	8.213	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.09570	.31920
.252	10.181	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	999.00000	-.13400	.36660
	GRADIENT	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000	-.02809	.02572

ARC 218-1-12 OA101 (OV102), + LANDING GEAR (E2Q0Ji) (01 FEB 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

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

RUN NO. 340/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-25.071	-.12070	-.11020	-.11530	-.11690	-.13110	-.13570	-.14070	-.14870	.12250	.11590
.251	-20.094	-.12570	-.12270	-.12690	-.12940	-.13900	-.14530	-.15070	-.15330	.12270	.11400
.251	-15.046	-.12830	-.12370	-.12620	-.12660	-.13370	-.13960	-.14340	-.15170	.12000	.12090
.252	-10.019	-.11600	-.11810	-.11930	-.11680	-.12560	-.12930	-.13140	-.13640	.12280	.11860
.251	-4.973	-.13110	-.13030	-.13410	-.13200	-.13660	-.14080	-.14910	-.15870	.12040	.11410
.251	.003	-.14860	-.14400	-.14610	-.14400	-.14730	-.15150	-.16280	-.18960	.11770	.11470
.252	5.034	-.16740	-.16780	-.16950	-.16740	-.17200	-.17990	-.19530	-.23960	.11720	.11810
.251	9.984	-.21210	-.20920	-.21170	-.21210	-.21340	-.23230	-.25240	-.32700	.11700	.11700
.251	14.781	-.24970	-.25850	-.25430	-.25640	-.26100	-.27900	-.30210	-.41110	.11590	.12090
.251	20.163	-.34380	-.34290	-.33750	-.34500	-.35220	-.37980	-.46410	-.70730	.12590	.12180
	GRADIENT	-.00352	-.00275	-.00241	-.00241	-.00215	-.00215	-.00275	-.00621	-.00054	.00012

ARC 218-1-12 0A101 (0V102), + LANDING GEAR (E2Q0J2) (01 FEB 78)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	.000	RUDDER =	.000
RN/L =	5.000		

RUN NO. 339/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.251	-11.730	-.15630	-.15460	-.15800	-.15260	-.15930	-.16180	-.17100	-.19530	.11620	.10910
.251	-8.008	-.15510	-.15420	-.15090	-.15250	-.16010	-.16050	-.17100	-.19490	.11330	.11030
.252	-5.882	-.14970	-.14760	-.14720	-.14720	-.15350	-.15350	-.16610	-.19240	.11850	.11730
.252	-2.998	-.14100	-.13930	-.14220	-.14390	-.14720	-.14680	-.15630	-.18550	.12250	.11960
.252	.119	-.14310	-.14470	-.13800	-.14220	-.14640	-.14720	-.16010	-.18350	.11960	.11460
.252	3.013	-.14210	-.14010	-.13880	-.14090	-.14590	-.14970	-.15930	-.18720	.12060	.11350
.252	6.030	-.13830	-.13830	-.14040	-.14080	-.14170	-.14540	-.16170	-.18340	.12300	.11710
.252	7.951	-.13780	-.13530	-.13030	-.13650	-.13530	-.14190	-.15230	-.17810	.12540	.12330
.251	12.037	-.14450	-.14240	-.14280	-.14280	-.14070	-.15080	-.15830	-.18340	.11790	.11670
.252	16.424	-.14100	-.13470	-.14010	-.14140	-.14260	-.14840	-.16130	-.18630	.12270	.11900
.251	22.500	-.14300	-.14510	-.14550	-.14220	-.14640	-.15140	-.16480	-.19400	.12250	.11620
	GRADIENT	-.00019	-.00015	.00058	.00050	.00022	-.00048	-.00051	-.00027	-.00032	-.00102