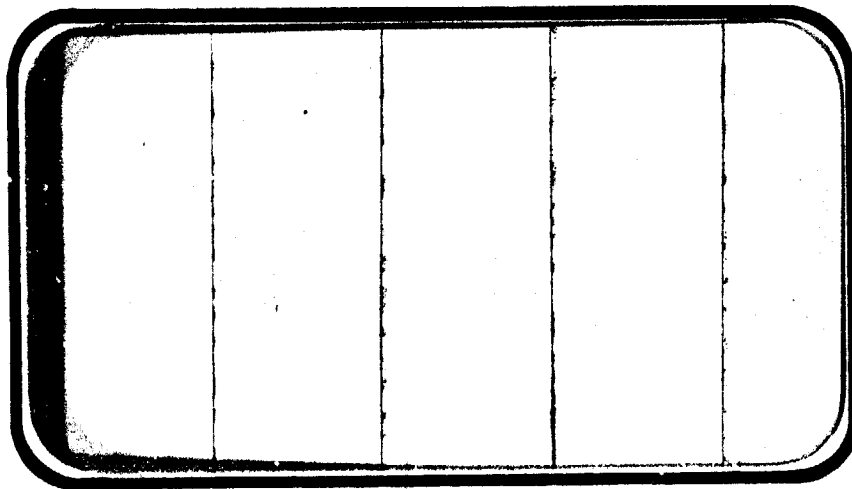


NASA

# NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NASA CR-

134411



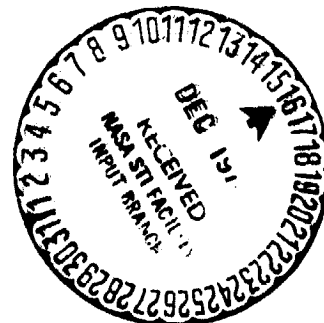
(NASA-CR-134411) RESULTS OF AN  
EXPERIMENTAL AERODYNAMIC INVESTIGATION TO  
OBTAIN STATIC STABILITY AND CONTROL  
CHARACTERISTICS OF THE SSV (Chrysler  
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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA Management services



November, 1974

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NASA CR-134,411

RESULTS OF AN EXPERIMENTAL AERODYNAMIC  
INVESTIGATION TO OBTAIN STATIC STABILITY AND CONTROL  
CHARACTERISTICS OF THE SSV CONFIGURATIONS  
2A(VL70-000089B) MODEL 1 AND 3(VL70-000139B) MODEL 2  
ORBITERS AT MACH NUMBERS OF 2.5, 3.9 AND 4.6 IN  
THE NASA LaRC 4 X 4-FOOT UPWT (OA44)

By

V. Esparza and M. Milam, Rockwell International  
Space Division

Prepared under NASA Contract Number NAS9-13247

by

Data Management Services  
Chrysler Corporation 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: LaRC UPWT 1035  
NASA Series Number: OA44  
Model Numbers: 2VA(VL70-000089B) Model 1 and  
3(VL70-000139B) Model 2  
Test Date: 6-1-73 thru 6-15-73

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Chrysler Corporation Space Division assumes no responsibility for the data presented other than display characteristics.

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INVESTIGATION TO OBTAIN STATIC STABILITY AND CONTROL  
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V. Esparza and M. Milam, Rockwell International  
Space Division

ABSTRACT

Investigation of Space Shuttle Orbiter configurations 2A(VL70-000089B) and 3(VL70-000139B) was performed at the Langley Research Center Unitary Plan Wind Tunnel (UPWT) from June 1, 1973, to June 15, 1973, for 60 test hours. The primary test objectives were to obtain stability and control characteristics for Configurations 2A and 3 and an alternate forebody used with Configuration 3. In addition, hinge moments were measured on the elevons and rudder for Configuration 2A only.

The configurations were tested at Mach Numbers 2.5, 3.9 and 4.6. Pitch runs were made at angles of attack from  $-4$  to  $44^\circ$  and sideslip angles from  $-4$  to  $+6$ . Static pressures were measured at the fuselage base for use in force data correction.



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### PLOTTED COEFFICIENTS SCHEDULE:

- (A) CL, CD, CDF, CN, CLM versus ALPHA, CL & CN versus CLM, CL versus CD, CA, CAF, CAB, L/D, XCP/L & CLMAFT versus ALPHA
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- (C) CA, CAF, CAB, L/D, XCP/L, CLMAFT, CL, CD, CDF, CN, CLM, L/DMAX & AFLDFX versus MACH
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- (K) CHRDLB versus ALPHA
- (L) CHRDLB versus MACH
- (M) CHR versus BETA

**NOMENCLATURE**  
General

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C <sub>p</sub>	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; $V/a$
P		pressure; N/m <sup>2</sup> , psf
q	Q(NSM) Q(PSP)	dynamic pressure; $1/2\rho V^2$ , N/m <sup>2</sup> , psf
RM/L	RM/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
$\alpha$	ALPHA	angle of attack, degrees
$\beta$	BETA	angle of sideslip, degrees
$\psi$	PSI	angle of yaw, degrees
$\phi$	PHI	angle of roll, degrees
$\rho$		mass density; kg/m <sup>3</sup> , slugs/ft <sup>3</sup>

Reference & C.G. Definitions

A <sub>b</sub>		base area; m <sup>2</sup> , ft <sup>2</sup>
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{b}{c}$	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m <sup>2</sup> , ft <sup>2</sup>
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

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

NOMENCLATURE (Continued)

Body-Axis System

<u>SYMBOL</u>	<u>FLIGHT SYMBOL</u>	<u>DEFINITION</u>
$C_N$	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
$C_A$	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
$C_Y$	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
$C_{A_b}$	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(P_b - P_w)/qS$
$C_{A_f}$	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
$C_m$	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
$C_n$	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
$C_l$	CEL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

Stability-Axis System

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

NOMENCLATURE (CONTINUED)

Surface Definitions

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
$\delta_a$	AILRON	aileron, total aileron deflection angle, degrees, (left aileron - right aileron)/2
$\delta_e$	ELEVER	elevator, surface deflection angle, positive deflection, trailing edge down; degrees
$\delta_{BF}$	BDFLAP	body flap, surface deflection angle, positive deflection, trailing edge down; degrees
$\delta_{SB}$	SPDRK	speed brake, split rudder deflection angle, left split rudder trailing edge left and right split rudder trailing edge right, $\delta_{rf} = (\delta_{rL} + \delta_{rR})/2$ , positive deflection; degrees
$\delta_{eL}$	ELVN-L	left elevon, surface deflection angle, positive deflection, trailing edge down; degrees
$\delta_{eR}$	ELVN-R	right elevon, surface deflection angle, positive deflection, trailing edge down; degrees



NOMENCLATURE (Continued)

ADDITIONS TO STANDARD NOMENCLATURE

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DESCRIPTION</u>
$C_{PB}$	CPB	Fuselage base pressure coefficient
$C_{PB_M}$	CPBM	OMS pod base pressure coefficient
$C_{PC}$	CPC	Cavity pressure coefficient
$C_{AC}$	CAC	Cavity axial force coefficient
$A_B$		Fuselage base area, ft <sup>2</sup>
$A_{BM}$		OMS pod base area, ft <sup>2</sup>
$A_{SC}$		Sting cavity base area, ft <sup>2</sup>
$C_{Hei}$	CHKI	Elevon hinge moment coefficient - inboard
$C_{Heo}$	CHKO	Elevon hinge moment coefficient - outboard
$C_{Hr}$	CHR	Rudder hinge moment coefficient
$C_{He}$ Total	CHFT	Elevon hinge moment coefficient - total
$P_o$	PO	Static pressure
$P_T$	PT	Total pressure (psf)
TTAV	TTAV	Average total temperature
$X_{cp}/l$	XCP/L	Center of pressure location, percent body length

NOMENCLATURE (Concluded)

ADDITIONS TO STANDARD NOMENCLATURE

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DESCRIPTION</u>
ALFLDX	ALFLDX	Angle of attack at maximum lift/drag ratio, degrees
CDAFO	CDAFO	Drag coefficient at angle of attack of zero degrees
CDFAFO	CDFAFO	Forebody drag coefficient at angle of attack of zero degrees
CLAFO	CLAFO	Lift coefficient at angle of attack of zero degrees
CLMAFO	CLMAFO	Pitching moment coefficient at angle of attack of zero degrees
CLMCLO	CLMCLO	Pitching moment coefficient at lift coefficient equal to zero
CHRDR	CHRDR	Rudder hinge moment coefficient due to rudder
CHRDLB	CHRDLB	Rudder hinge moment coefficient due to beta
L/D MAX	L/DMAX	Maximum lift/drag ratio
CLLDMX	CLLDMX	Lift coefficient at maximum lift/drag ratio
CLMAFT	CLMAFT	Pitching moment coefficient at aft C.G. location
DCY/DB	DCY/DB	side force due to beta, per degree
DCYNDB	DCYNDB	Yawing moment due to beta, per degree
DCBLDB	DCBLDB	Rolling moment due to beta, per degree

## MODEL DESCRIPTION

The models used for this investigation were 0.015 scale representations of the SSV Orbiter Configuration 2A(VL70-000089B) and Configuration 3(VL70-000139B). Both models were tested with variable elevon, aileron, body flap, speed brake and rudder deflections. The Configuration 3 model contained fuselages with both a basic nose and a cambered nose.

Configuration 2A consisted of the following components:

<u>Symbol</u>	<u>Definition</u>
B <sub>10</sub>	Basic 2A fuselage (VL70-000089B, -000092A, -000093, -000094)
C <sub>5</sub>	Basic 2A canopy (VL70-000092)
D <sub>7</sub>	Basic 2A manipulator arm housing (VL70-000092A, -000093, -000094)
E <sub>18</sub>	Elevons that provide a swept-forward trailing edge on the basic wing (VL70-000093), $\delta_e = -40, -20, 0, 10, 20$ $\delta_a = 0, 5$
F <sub>4</sub>	Basic 2A body flap (VL70-000094), $\delta_F = -14.25, 0, 13.75$
M <sub>3</sub>	Basic 2A orbital maneuvering system (OMS)-reaction control system (RCS) pods (VL70-000094)
R <sub>5</sub>	Split rudder for vertical tail (VL70-000095); $\delta_R = -10, 0$ $\delta_{SB} = 54.92$
V <sub>5</sub>	Basic 2A vertical tail (VL70-000095)
W <sub>87</sub>	Basic 2A wing with swept forward trailing edge (VL70-000093)
X <sub>16</sub>	Boundary layer transition strip.

Configuration 3(VL70-000139B) consisted of the following components:

<u>Symbol</u>	<u>Definition</u>
B <sub>19</sub>	Basic Configuration 3 fuselage with deviation in the aft contour lines (VL70-000139B)

MODEL DESCRIPTION (CONCLUDED)

<u>Symbol</u>	<u>Definition</u>
B <sub>21</sub>	Alternate cambered forebody built by LRC with different nose shape from B <sub>19</sub>
C <sub>7</sub>	Basic Configuration 3 canopy built to Lines Drawing VL70-000139B
E <sub>23</sub>	Elevons that provide a swept forward trailing edge on the basic wing (W <sub>107</sub> ) built to Lines Drawing VL70-000139B, $\delta_e = -44, -24, 0, 11$
F <sub>5</sub>	Basic Configuration 3 body flap (VL70-000139) $\delta_f = -14.25, 0, 13.75$
M <sub>4</sub>	Basic Configuration 3 OMS-RCS pods (VL70-000145)
R <sub>5</sub>	Basic Configuration 3 rudder (VL70-000139B), $\delta_R = -10, 0$ $\delta_{SB} = 54.92$
V <sub>7</sub>	Basic Configuration 3 vertical tail built to Lines Drawing VL70-000139
W <sub>107</sub>	Basic Configuration 3 wing with incidence angle = 1/2 degree built to Lines Drawing VL70-000139B
X <sub>16</sub>	Boundary layer transition strip.

Table III and Figure 2 provide a complete description of the test models. Figure 3 presents photographs of the model installed in the test facility.

## FACILITY DESCRIPTION

The NASA LRC 4 foot Unitary Plan Wind Tunnel (UPWT) is a closed-circuit, continuous flow, variable density facility. The test section is 4 feet by 4 feet by 7 feet long.

Two tunnel legs are available for supersonic testing in the Mach number ranges 1.47 to 2.86 (Leg No. 1) and 2.29 to 4.63 (Leg No. 2). All of these tests were made in Leg No. . An asymmetric, sliding block nozzle position and total pressure setting provide the test Mach numbers at a specified Reynolds number. Reynolds number can be varied from 0.76 to 7.78 million per foot. Available stagnation pressure variation is 4.0 to 142. psia. Dynamic pressure variation is 95. to 1260. psf with normal operating stagnation temperature about 150°F in Mach modes 2 or 3 and about 175°F in Mach mode 4. The tunnel is equipped with a dry air supply, an evacuating system, and a cooling system. The facility power is approximately 83,000 horsepower.

Model mounting provisions consist of various sting arrangements, including axial (longitudinal), lateral (independent pitch and yaw), and roll movement with side wall support. A Schlieren system and oil flow visualization equipment are available. Data are recorded at the tunnel and reduced off-line at the Langley Computer Center. The tunnel is used for force and moment, pressure, and dynamic stability tests. Hot and cold jet effects and heat transfer have been studied in the UPWT.

DATA REDUCTION

Balance measured force and moment data were reduced about body and stability axes with origins as follows:

Configuration	C. G. Limit (reference)	Moment Reference Point	
		% body length	inches off of nose
2a	forward	66	876.48
2a	aft	68	903.05
3	forward	65	838.48
3	aft	67	864.29

These data were reduced to coefficient form using the following:

Symbol	Description	Value	
		Model	Full Scale
S	Wing Theoretical Area	0.0605 ft <sup>2</sup>	2690 ft <sup>2</sup>
$\bar{c}$	Wing Theoretical MAC	7.122 in.	474.8 in.
b	Wing Span	14.050 in.	936.68 in.

Pressures were measured on the model fuselage base, OMS pod base, and balance cavity, respectively. These pressures were reduced to coefficient form and used to compute base axial force as follows:

$$C_{A_b} = (C_{P_B} A_B + C_{P_{BM}} A_{BM} + C_{P_C} A_{SC})/S$$

where:

$$A_B = \text{fuselage base area} = \begin{matrix} 0.045 \text{ ft}^2 \text{ model scale OMS pods on} \\ \text{body flap on} \\ 0.048 \text{ ft}^2 \text{ model scale OMS pods on} \\ \text{body flap off} \\ 0.047 \text{ ft}^2 \text{ model scale OMS pods off} \\ \text{body flap on} \end{matrix}$$

$$A_{BM} = \text{OMS pods base area} = 0.019 \text{ ft}^2 \text{ model scale}$$

$$A_{SC} = \text{balance cavity area} = 0.034 \text{ ft}^2 \text{ model scale}$$

DATA REDUCTION (CONTINUED)

Hinge moment data were measured on the configuration 2A rudder, inboard elevon, and outboard elevon. These data were reduced to coefficient form using the following reference data:

rudder MAC = 1.116 in. model scale = 74.4 in. full scale  
rudder area = 0.022 ft<sup>2</sup> model scale = 98.67 ft<sup>2</sup> full scale  
elevon MAC = 1.360 in. model scale = 90.67 in. full scale  
elevon area = 0.046 ft<sup>2</sup> model scale = 205.52 ft<sup>2</sup> full scale

Both inboard and outboard elevon hinge moment data were reduced using total elevon reference dimensions. Inboard and outboard elevon hinge moment coefficients have been summed to provide total elevon hinge moment for presentation in this report.









TABLE III.

MODEL DIMENSIONAL DATA

MODEL COMPONENT: BODY - B10

GENERAL DESCRIPTION: Fuselage, 2A Configuration, Lightweight Orbiter. per  
Rockwell Lines VL70-000089B

Scale Model = 0.015

DRAWING NUMBER: VL70-000089 B  
VL70-000092, 93, 94 A

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length - IN.	<u>1328.3</u>	<u>19.92450</u>
Max. Width - IN. (@ $X_0=1528.3$ )	<u>265.0</u>	<u>3.97500</u>
Max. Depth - IN. (@ $X_0=1480.52$ )	<u>248.0</u>	<u>3.72000</u>
Fineness Ratio	<u>5.012</u>	<u>5.012</u>
Area - FT <sup>2</sup>		
Max. Cross-Sectional	<u>156.4</u>	<u>0.10260</u>
Planform	<u>          </u>	<u>          </u>
Wetted	<u>          </u>	<u>          </u>
Base	<u>          </u>	<u>          </u>

TABLE III. (CONTINUED)

MODEL COMPONENT: BODY - B19

GENERAL DESCRIPTION: Fuselage, 3 Configuration, Lightweight Orbiter

per Rockwell Lines VL70-000139B

Model Scale = 0.015

DRAWING NUMBER: VL70-000139B

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length - IN.	<u>1290.3</u>	<u>19.35450</u>
Max. Width - IN.	<u>267.6</u>	<u>4.01400</u>
Max. Depth - IN.	<u>244.5</u>	<u>3.66750</u>
Fineness Ratio	<u>4.82175</u>	<u>4.82175</u>
Area - FT <sup>2</sup>		
Max. Cross-Sectional	<u>386.67</u>	<u>0.08700</u>
Planform	<u>          </u>	<u>          </u>
Wetted	<u>          </u>	<u>          </u>
Base	<u>          </u>	<u>          </u>

**TABLE III. (CONTINUED)  
MODEL DIMENSIONAL DATA**

**MODEL COMPONENT :** BODY - B<sub>21</sub>

**GENERAL DESCRIPTION :** Same as B<sub>19</sub> with alternate cambered forebody  
built by LRC.

MODEL SCALE = 0.015

**DRAWING NUMBER :** \_\_\_\_\_

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length	_____	_____
Max Width	_____	_____
Max Depth	_____	_____
Fineness Ratio	_____	_____
Area	_____	_____
Max. Cross-Sectional	_____	_____
Planform	_____	_____
Wetted	_____	_____
Base	_____	_____

TABLE III. (CONTINUED)

MODEL COMPONENT: CANOPY - C5

GENERAL DESCRIPTION: 2A Configuration per Lines VL70-000092

Scale Model = 0.015

DRAWING NUMBER VL70-000092

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (Sta Fwd Bulkhead)	<u>391.0</u>	<u>5.86500</u>
Max Width (T.E. Bulkhead)	<u>560.0</u>	<u>8.40000</u>
Max Depth (WPZ <sub>1</sub> = 421.922 to Z <sub>1</sub> = 500)	<u>          </u>	<u>          </u>
Fineness Ratio	<u>          </u>	<u>          </u>
Area	<u>          </u>	<u>          </u>
Max Cross-Sectional	<u>          </u>	<u>          </u>
Planform	<u>          </u>	<u>          </u>
Wetted	<u>          </u>	<u>          </u>
Base	<u>          </u>	<u>          </u>

TABLE III. (CONTINUED.)

MODEL COMPONENT: Canopy - C7

GENERAL DESCRIPTION: Configuration 3 per Rockwell Lines VL70-000139

Model Scale = 0.015

DRAWING NUMBER VL70-000139B

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length ( $X_0 = 433$ to $X_0 = 670$ ) - in. FS	<u>237</u>	<u>3.55500</u>
Max Width	<u>          </u>	<u>          </u>
Max Depth ( $Z_0 =$ to $Z_0 = 502$ ) - in FS	<u>          </u>	<u>          </u>
Fineness Ratio	<u>          </u>	<u>          </u>
Area	<u>          </u>	<u>          </u>
Max Cross-Sectional	<u>          </u>	<u>          </u>
Planform	<u>          </u>	<u>          </u>
Wetted	<u>          </u>	<u>          </u>
Base	<u>          </u>	<u>          </u>

TABLE III. (CONTINUED)

MODEL COMPONENT: MANIPULATOR HOUSING - D7

GENERAL DESCRIPTION: 2A Configuration per Rockwell Lines VL70-000093

Scale Model = 0.015

DRAWING NUMBER

VL70-000093

DIMENSION:

FULL SCALE

MODEL SCALE

Length - IN.

881.00

13.21500

Max Width - IN.

51.00

0.76500

Max Depth - IN.

23.00

0.34500

Fineness Ratio

Area

Max Cross-Sectional

Platform

Wetted

Base

∅ Fuselage

BP = 0.00

WP = 500.0 INFS

X<sub>0</sub> 426.0 to 1307.0 INFS



TABLE III. (CONTINUED)

MODEL COMPONENT: ELEVON E-18

GENERAL DESCRIPTION: 2A Configuration per W-87 Rockwell Lines

VL70-000093 data for (1) of (2) sides

Scale Model = 0.015

DRAWING NUMBER: VL70-000093

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - FT <sup>2</sup>	<u>205.52</u>	<u>0.04624</u>
Span (equivalent) - IN.	<u>353.34</u>	<u>5.30010</u>
Inb'd equivalent chord	<u>114.78</u>	<u>1.72170</u>
Outb'd equivalent chord	<u>55.00</u>	<u>0.82500</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>.208</u>	<u>.208</u>
At Outb'd equiv. chord	<u>.400</u>	<u>.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Tailing Edge	<u>-10.24</u>	<u>-10.24</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment (Normal to hinge line) - FT <sup>3</sup>	<u>1548.07</u>	<u>0.00522</u>
Product of Area Moment		

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELEVON - E23

GENERAL DESCRIPTION: Configuration 3 per W107 Rockwell Lines

VL70-000139B, data for (1) of (2) sides

Model Scale = .015

DRAWING NUMBER: VL70-000139B

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - FT <sup>2</sup>	<u>205.52</u>	<u>0.04624</u>
Span (equivalent) - IN.	<u>353.34</u>	<u>5.30010</u>
Inb'd equivalent chord	<u>114.78</u>	<u>1.72170</u>
Outb'd equivalent chord	<u>55.00</u>	<u>0.8250</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>.208</u>	<u>.208</u>
At Outb'd equiv. chord	<u>.400</u>	<u>.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Tailing Edge	<u>-10.24</u>	<u>-10.24</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment (Normal to hinge line)- FT <sup>3</sup>	<u>1548.07</u>	<u>0.00522</u>
Product of Area Moment		

TABLE III. (CONTINUED)

MODEL COMPONENT: F4 BODY FLAP

GENERAL DESCRIPTION: 2A Configuration per Rockwell Lines VL70-000094A

Scale Model = 0.015

DRAWING NUMBER VL70-000094A

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length	<u>84.70</u>	<u>1.27050</u>
Max Width	<u>265.00</u>	<u>3.97500</u>
Max Depth	<u>          </u>	<u>          </u>
Fineness Ratio	<u>          </u>	<u>          </u>
Area - FT <sup>2</sup>	<u>          </u>	<u>          </u>
Max Cross-Sectional	<u>          </u>	<u>          </u>
Planform	<u>142.64</u>	<u>0.03209</u>
Wetted	<u>          </u>	<u>          </u>
Base	<u>38.65</u>	<u>0.00870</u>

TABLE III. (CONTINUED)

MODEL COMPONENT: F5 Body Flap

GENERAL DESCRIPTION: 3 Configuration per Rockwell Lines VL70-000139

\_\_\_\_\_

Scale Model = 0.015

DRAWING NUMBER VL70-000139B

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length - in	<u>84.70</u>	<u>1.27050</u>
Max Width - in	<u>267.6</u>	<u>4.01400</u>
Max Depth	_____	_____
Fineness Ratio	_____	_____
Area - Ft <sup>2</sup>		
Max Cross-Sectional	_____	_____
Planform	<u>140.00</u>	<u>0.03150</u>
Wetted	_____	_____
Base	<u>38.0958</u>	<u>0.00857</u>

TABLE III. (CONTINUED)

MODEL COMPONENT: OMS POD - M3

GENERAL DESCRIPTION: 2A Lightweight Configuration per Rockwell Lines  
VL70-000094A

Scale Model = 0.015

DRAWING NUMBER

VL70-000094A

DIMENSION:

FULL SCALE

MODEL SCALE

Length

346.0

5.1900

Max Width  $X_o = 1450.0$

108.0

1.6200

Max Depth  $X_o = 1500.0$

113.0

1.6950

Fineness Ratio

Area

Max Cross-Sectional

Planform

Wetted

Base

Ø OF OMS POD

WP = 463.9 INFS; WP 400 + 63.9 = 463.9

BP = 80.0 INFS

LENGTH 1214.0 to 1560.0 = 346.0 INFS

TABLE III. (CONTINUED)

MODEL COMPONENT: OMS Pod - M<sub>4</sub>

GENERAL DESCRIPTION: Configuration 3 per Rockwell Lines VL70-000139

NOTE: M<sub>4</sub> identical to M<sub>3</sub>, except intersection to fuselage.

Model Scale = 0.015

DRAWING NUMBER

VL70-000139 B

DIMENSION:

FULL SCALE

MODEL SCALE

Length - IN

346.0

5.19000

Max Width - IN

108.0

1.62000

Max Depth - IN

113.0

1.69500

Fineness Ratio

Area - FT<sup>2</sup>

Max Cross-Sectional

Planform

Wetted

Base

TABLE III. (CONTINUED)

MODEL COMPONENT: N8 - OMS Nozzle

GENERAL DESCRIPTION: Basic OMS nozzle of the 2A Configuration per  
Rockwell Lines VL70-008306 and VL70-000089"B"

Scale Model = 0.015

DRAWING NO. VL70-008306, VL70-000089"B", SS-A00092

DIMENSIONS	FULL-SCALE	MODEL SCALE
MACH NO. <u>-</u>		
DIAMETER DEX ~ IN	<u>50.00</u>	<u>0.75000</u>
DIAMETER DT ~ IN	<u>N/A</u>	<u>N/A</u>
DIAMETER DIN ~ IN	<u>28.00</u>	<u>0.42000</u>
ON ~ DEGREES	<u>N/A</u>	<u>N/A</u>
AREA - Ft <sup>2</sup>		
MAX CROSS-SECTIONAL	<u>13.635</u>	<u>0.00307</u>
GIMBAL ORIGIN	<u>X<sub>o</sub></u>	<u>Y<sub>o</sub></u> <u>Z<sub>o</sub></u>
LEFT NOZZLE ~ IN.	<u>1518</u>	<u>-88.0</u> <u>492</u>
RIGHT NOZZLE ~ IN.	<u>1518</u>	<u>+88.0</u> <u>492</u>
NULL POSITION	<u>PITCH</u>	<u>YAW</u>
LEFT NOZZLE - DEG	<u>15° 49'</u>	<u>-12° 17'</u>
RIGHT NOZZLE - DEG	<u>15° 49'</u>	<u>+12° 17'</u>
INTERSECTION OF NOZZLE EXIT PLANE AND NOZZLE CENTERLINE: - IN.	<u>X<sub>o</sub> = 1570.75</u>	<u>23.56125</u>
	<u>Y<sub>o</sub> = +99.25</u>	<u>+1.48875</u>
	<u>Z<sub>o</sub> = 507.25</u>	<u>7.60875</u>

TABLE III. (CONTINUED)

MODEL COMPONENT: RUDDER - R5

GENERAL DESCRIPTION: 2A, 3 and 3A Configuration per Rockwell Lines

VL70-000095

Model Scale = 0.015

DRAWING NUMBER: VL70-000095

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - FT <sup>2</sup>	<u>98.67</u>	<u>0.022</u>
Span (equivalent) - IN.	<u>201.0</u>	<u>3.01500</u>
Inb'd equivalent chord	<u>91.585</u>	<u>1.37378</u>
Outb'd equivalent chord	<u>50.833</u>	<u>0.76250</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Tailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Normal to hinge line)- FT <sup>3</sup>	<u>526.13</u>	<u>0.00178</u>
Product of Area and Mean Chord		



TABLE III. (CONTINUED)

MODEL COMPONENT: VERTICAL - V 5 (Lightweight Orbiter Configuration)

GENERAL DESCRIPTION: Centerline Vertical Tail, Doublewedge Airfoil with  
Rounded Leading Edge

Scale Model = 0.015

DRAWING NUMBER: VL70-000095

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA

Area (Theo) Ft <sup>2</sup>	<u>413.25</u>	<u>0.09298</u>
Planform		
Span (Theo) In	<u>315.72</u>	<u>4.73580</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.404</u>	<u>0.404</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45.000</u>	<u>45.000</u>
Trailing Edge	<u>26.249</u>	<u>26.249</u>
0.25 Element Line	<u>41.130</u>	<u>41.130</u>
Chords:		
Root (Theo) WP	<u>268.50</u>	<u>4.02750</u>
Tip (Theo) WP	<u>108.47</u>	<u>1.62705</u>
MAC	<u>199.81</u>	<u>2.99715</u>
Fus. Sta. of .25 MAC	<u>1463.50</u>	<u>21.95250</u>
W. P. of .25 MAC	<u>635.522</u>	<u>9.53283</u>
B. L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle    Deg	<u>10.000</u>	<u>10.000</u>
Trailing Wedge Angle   Deg	<u>14.920</u>	<u>14.920</u>
Leading Edge Radius	<u>2.00</u>	<u>0.030</u>
Void Area	<u>13.17</u>	<u>0.00296</u>
Blanketed Area	<u>12.67</u>	<u>0.00225</u>

TABLE III. (CONTINUED)

MODEL COMPONENT: VERTICAL - V7

GENERAL DESCRIPTION: Centerline vertical tail, double wedge airfoil with rounded leading edge.

NOTE: Same as V5, but with manipulator housing removed.

Model Scale = 0.015

DRAWING NUMBER: VL70-000139 B

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
<u>TOTAL DATA</u>		
Area (Theo) Ft <sup>2</sup>	<u>425.92</u>	<u>0.09583</u>
Planform		
Span (Theo) In	<u>315.72</u>	<u>4.73580</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.404</u>	<u>0.404</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45.000</u>	<u>45.000</u>
Trailing Edge	<u>26.249</u>	<u>26.249</u>
0.25 Element Line	<u>41.130</u>	<u>41.130</u>
Chords:		
Root (Theo) MP	<u>268.50</u>	<u>4.02750</u>
Tip (Theo) MP	<u>108.47</u>	<u>1.62705</u>
MAC	<u>199.81</u>	<u>3.99715</u>
Pos. Sta. of .25 MAC	<u>1463.50</u>	<u>21.95250</u>
W. P. of .25 MAC	<u>635.522</u>	<u>9.53283</u>
B. L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle Deg	<u>10.000</u>	<u>10.000</u>
Trailing Wedge Angle Deg	<u>14.920</u>	<u>14.920</u>
Leading Edge Radius	<u>2.0</u>	<u>0.03000</u>
Void Area - Ft <sup>2</sup>	<u>13.17</u>	<u>0.00296</u>
Blanketed Area	<u>0.00</u>	<u>0.00</u>

TABLE III. (CONTINUED)

MODEL COMPONENT: WING-W 87 New Lightweight Orbiter

GENERAL DESCRIPTION: Orbiter Configuration per Lines VL70-000093

(NOTE: Dihedral angle is defined at the lower surface of the wing at the 75.33% element line projected into a plane perpendicular to the

FRL)  
Scale Model = 0.015

TEST NO. DMG. NO. VL70-000093

DIMENSIONS: FULL-SCALE MODEL SCALE

**TOTAL DATA**

Area (Theo.) Ft <sup>2</sup>		
Planform	2690.00	0.60525
Span (Theo In.)	936.68	14.09020
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	3.000	3.000
Aerodynamic Twist, degrees	+3.000	+3.000
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	-10.24	-10.24
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.0.0.	689.24	10.33860
Tip, (Theo) B.P. 468.341	137.85	2.06775
MAC	474.81	7.12215
Fus. Sta. of .25 MAC	1136.89	17.05335
W.P. of .25 MAC	299.20	4.48400
B.L. of .25 MAC	182.13	2.73195

**EXPOSED DATA**

Area (Theo) Ft <sup>2</sup>	1752.29	0.39626
Span, (Theo) In. BP108 to 468.341	720.68	10.81020
Aspect Ratio	2.058	2.058
Taper Ratio	0.2451	0.2451
Chords		
Root BP108	562.40	8.43600
Tip 1.00 $\frac{b}{2}$	137.85	2.06775
MAC	393.03	5.89545
Fus. Sta. of .25 MAC	1185.31	17.77965
W.P. of .25 MAC	300.20	4.48400
B.L. of .25 MAC	221.76	3.37640
Airfoil Section (Rockwell Mod NASA) XXXX-64		
Root $\frac{b}{2}$ = .425	0.10	0.10
Tip $\frac{b}{2}$ = 1.00	0.12	0.12

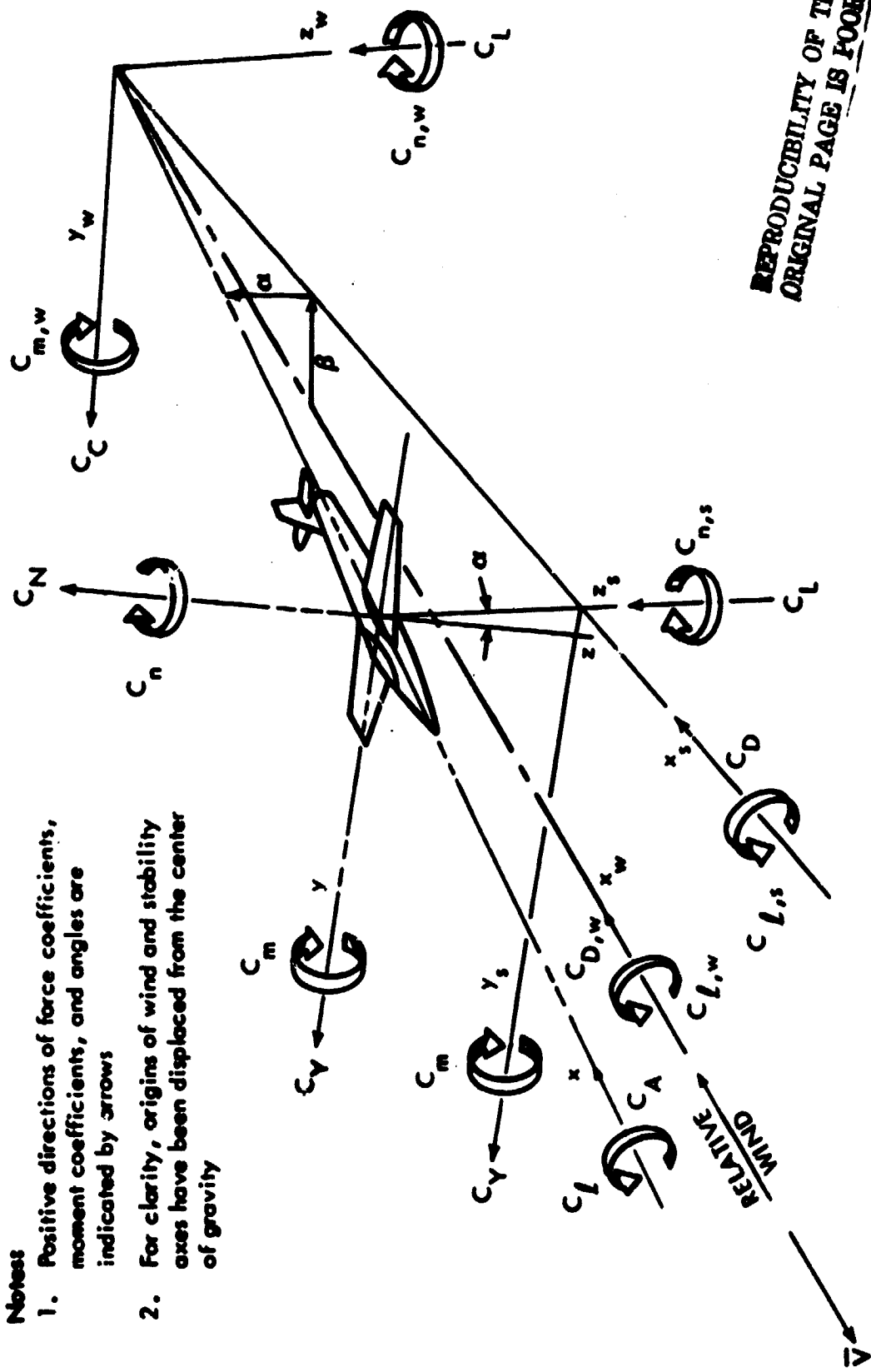
Data for (1) of (2) Sides		
Leading Edge Cuff		
Planform Area Ft <sup>2</sup>	120.33	0.02707
Leading Edge Intersects Fus M. L. @ Sta	560.0	8.40000
Leading Edge Intersects Wing @ Sta	1035.0	15.32500

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TABLE III. (CONCLUDED)

MODEL COMPONENT: WING-W 107  
 GENERAL DESCRIPTION: Configuration 3 per Rockwell Lines VI70-0001399  
 NOTE: Same as W107, except cuff, airfoil and incidence angle.  
 Model Scale = 0.015

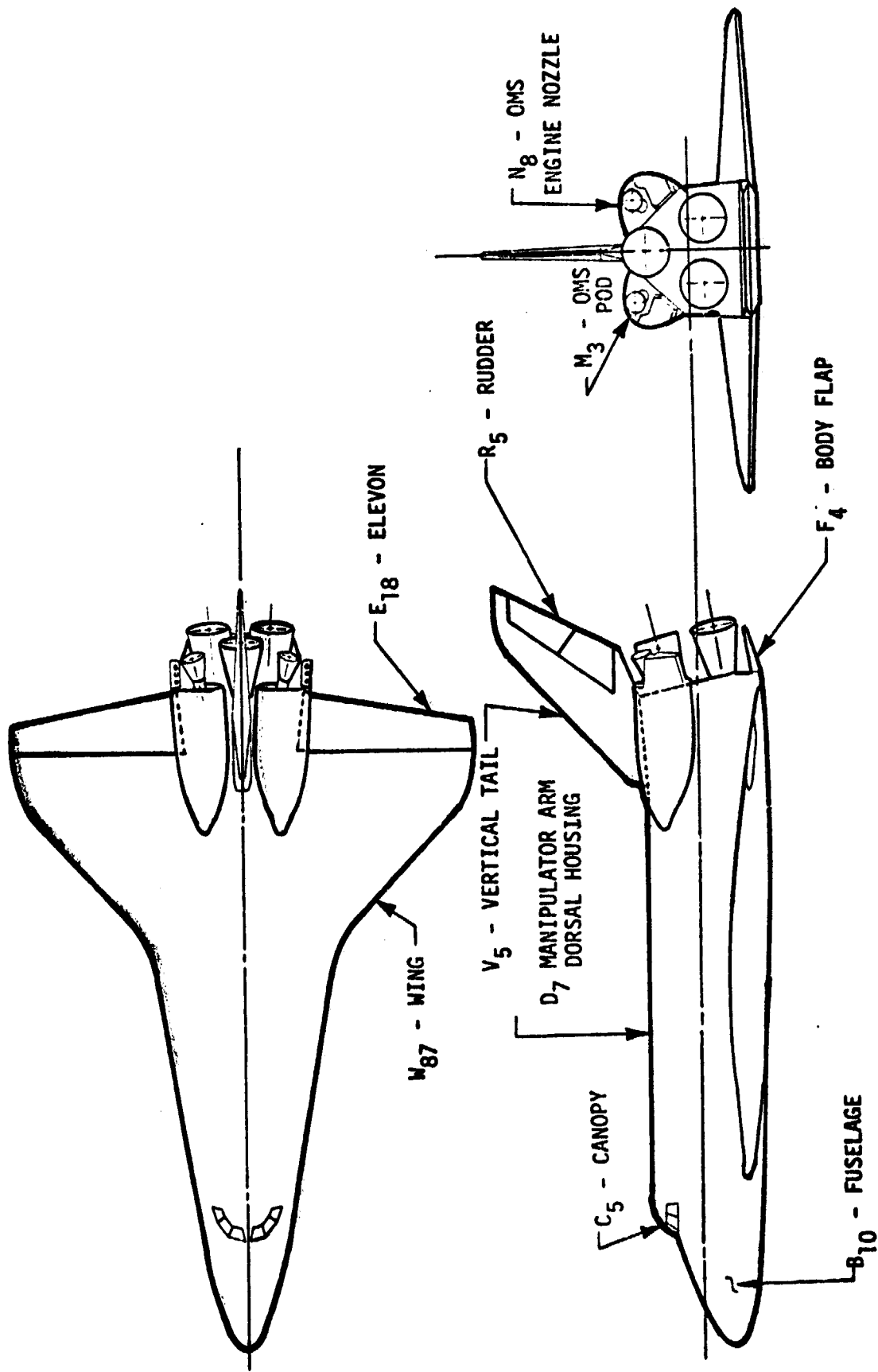
TEST NO.	DWG. NO. VI70-0001399		
DIMENSIONS:	FULL-SCALE	MODEL SCALE	
<b>TOTAL DATA</b>			
Area (Theo.) Ft <sup>2</sup>			
Planform	2690.00	0.60525	
Span (Theo) In.	936.68	14.05070	
Aspect Ratio	2.265	2.265	
Rate of Taper	1.177	1.177	
Taper Ratio	0.200	0.200	
Dihedral Angle, degrees ( @ TE of Elevon)	3.500	3.500	
Incidence Angle, degrees	2.500	0.500	
Aerodynamic Twist, degrees	+3.000	+3.000	
Sweep Back Angles, degrees			
Leading Edge	45.000	45.000	
Trailing Edge	-10.24	-10.24	
0.25 Element Line	35.209	35.209	
<b>Chords:</b>			
Root (Theo) B.P.O.O.	689.24	10.73860	
Tip, (Theo) B.P.	137.85	2.06775	
MAC	474.87	7.18215	
Fus. Sta. of .25 MAC	1136.89	17.05335	
W.P. of .25 MAC	299.20	4.18950	
B.L. of .25 MAC	182.13	2.73195	
<b>EXPOSED DATA</b>			
Area (Theo) Ft <sup>2</sup>	1752.29	0.39476	
Span, (Theo) In. BP108	720.68	10.81080	
Aspect Ratio	2.058	2.058	
Taper Ratio	0.2451	0.2451	
<b>Chords</b>			
Root BP108	562.40	8.43600	
Tip 1.00 $\frac{b}{z}$	137.85	2.06775	
MAC	393.03	5.89545	
Fus. Sta. of .25 MAC	1185.31	17.71965	
W.P. of .25 MAC	300.20	4.18950	
B.L. of .25 MAC	251.76	3.77890	
<b>Airfoil Section (Rockwell Mod NASA) XXXX-64</b>			
Root $\frac{b}{z}$ =	0.10	0.10	
Tip $\frac{b}{z}$ =	0.12	0.12	
<b>Data for (1) of (2) Sides</b>			
Leading Edge Cuff	0.0000	0.0000	
Planform Area Ft <sup>2</sup>	1083.33	16.0000	
Leading Edge Intersects Fus M. L. @ Sta	500	7.5000	
Leading Edge Intersects Wing @ Sta	1083.3	16.3000	



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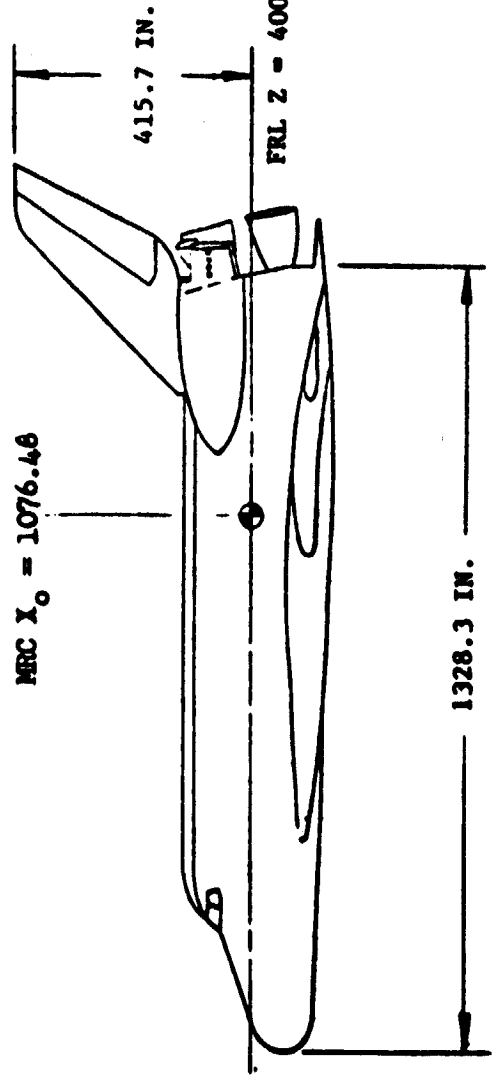
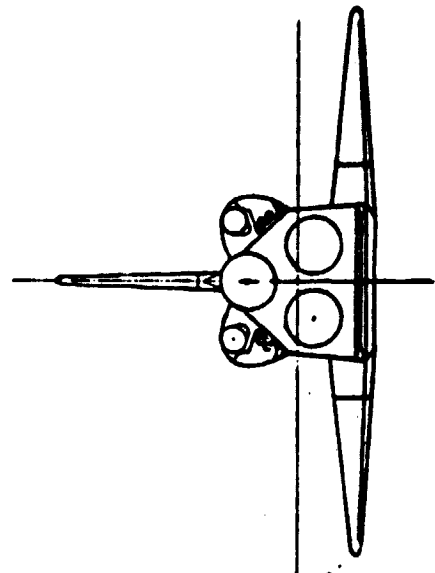
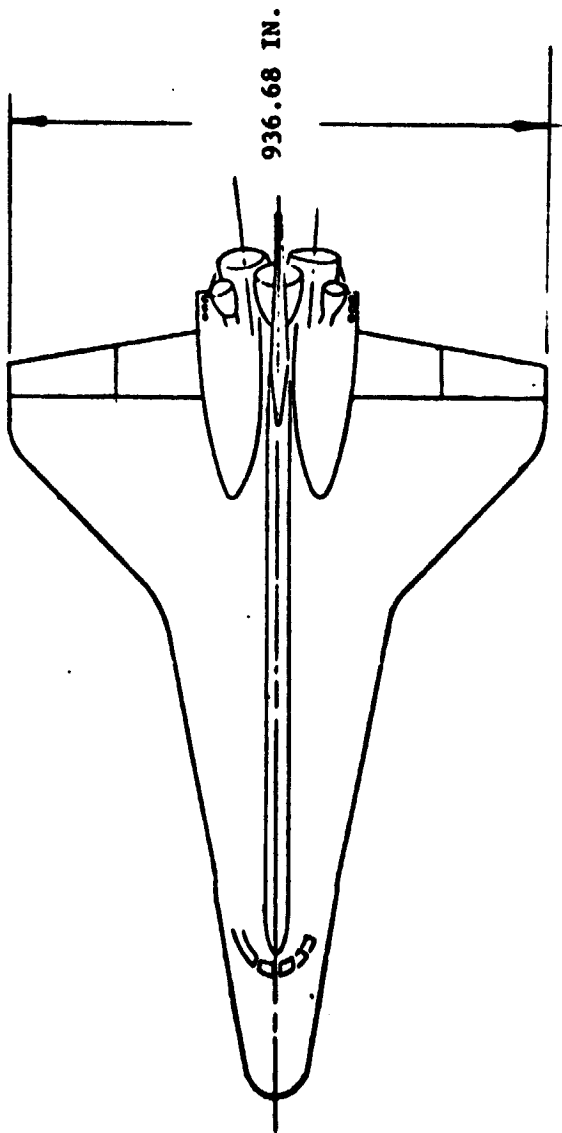
- Notes**
1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
  2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

Figure 1. - Axis Systems.



(a) SSV Orbiter Configuration 2A(VL70-000089B) Model Nomenclature

Figure 2. - Model Sketches

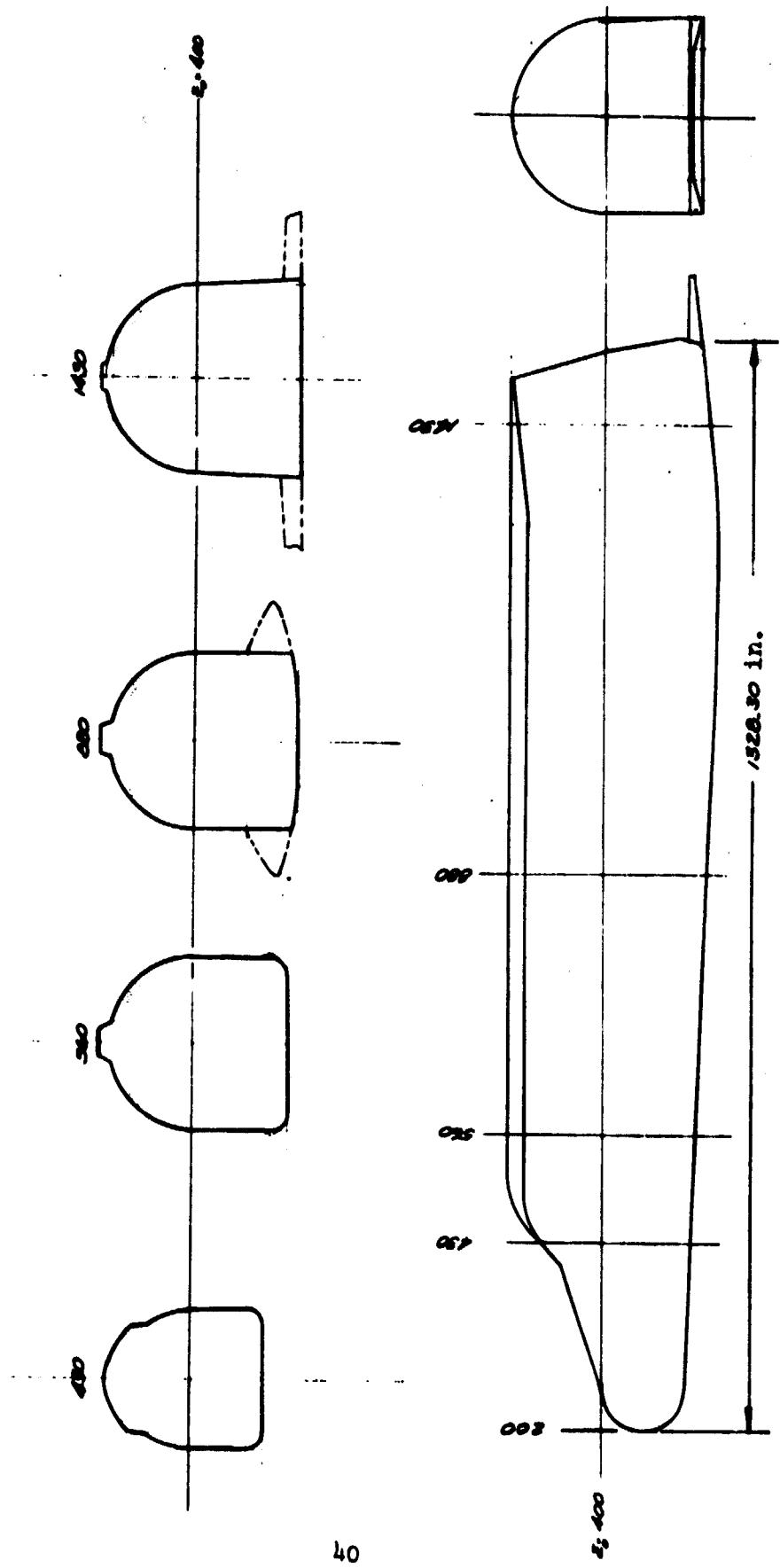


REFERENCE	DIMENSIONS
AREA	$S_w = 2690 \text{ FT}^2$
MAC	$\bar{C} = 474.8 \text{ IN.}$
C.G.	$X = 876.48 \text{ IN.}$
	$Z = 400 \text{ IN.}$
SPAN	$b_w = 936.68 \text{ IN.}$
LENGTH	$L = 1328 \text{ IN.}$

(b) SSV Orbiter Configuration 2A(VL-000089B) Baseline Dimensions

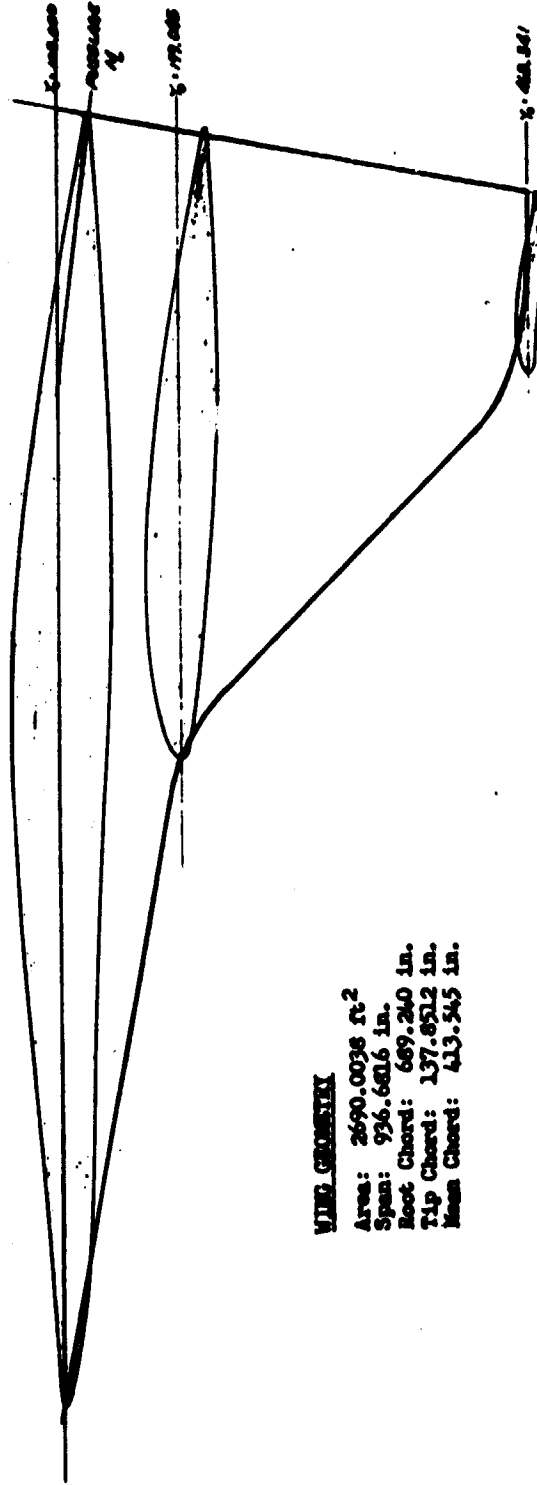
Figure 2. - Continued.

STA  
 $X_o = 200$



(c) E<sub>10</sub>, F<sub>4</sub> - Basic 2A Fuselage With Body Flap  
 Figure 2. - Continued.

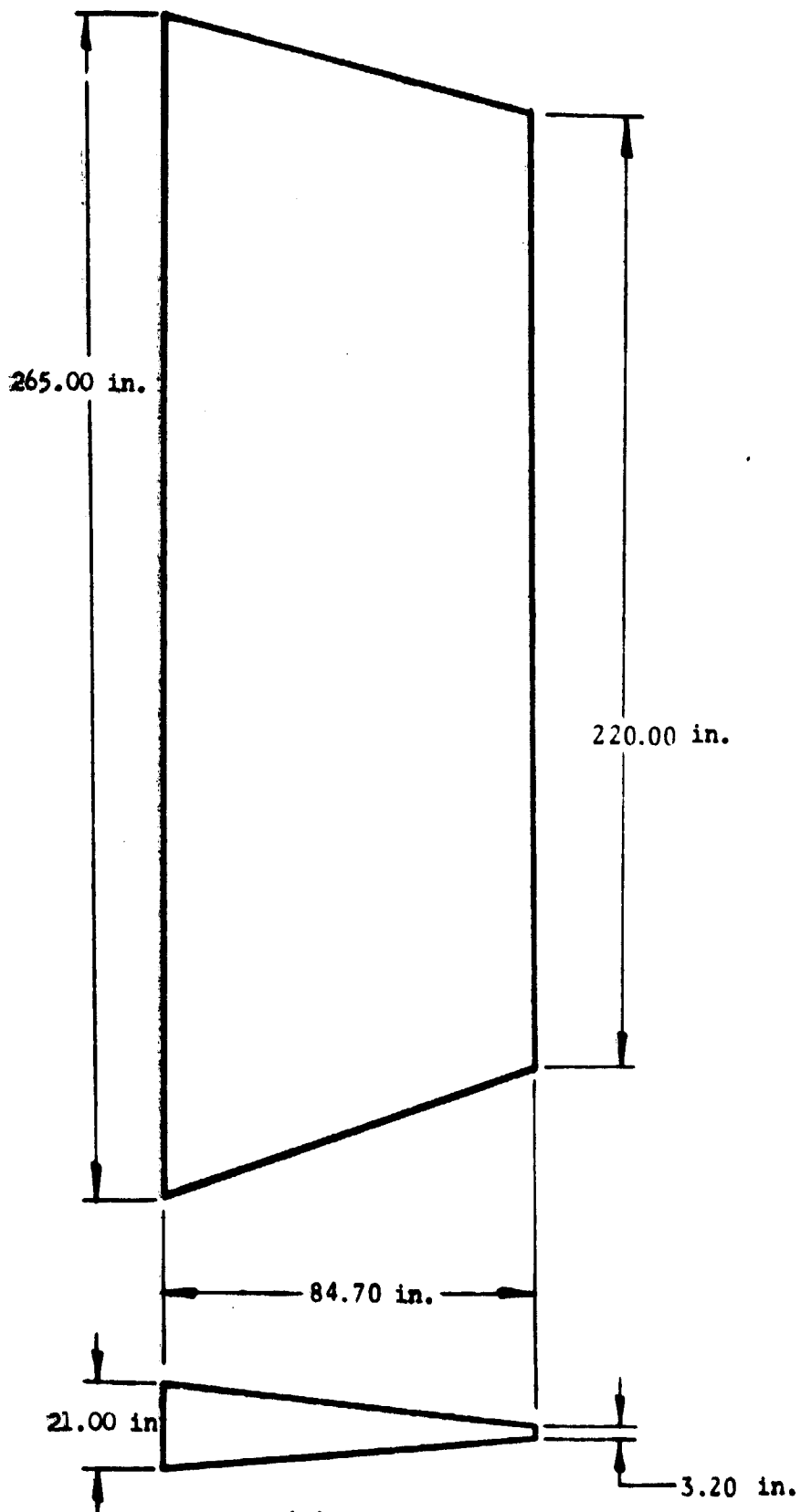




**WING GEOMETRY**

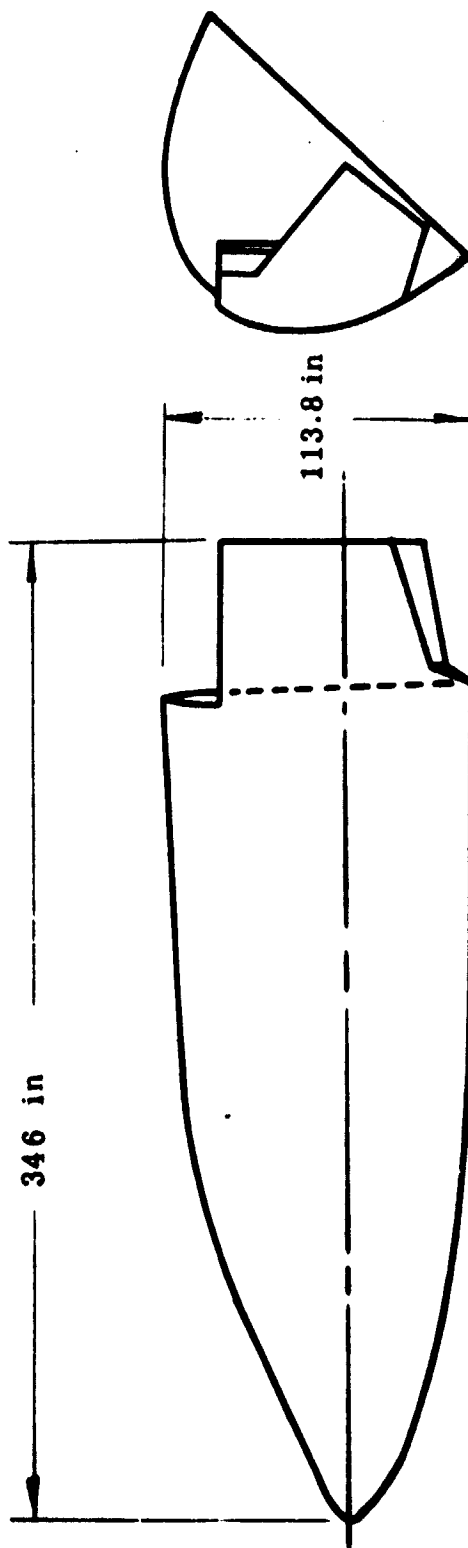
Area: 2690.0038 ft<sup>2</sup>  
 Span: 936.6816 in.  
 Root Chord: 689.240 in.  
 Tip Chord: 137.9512 in.  
 Mean Chord: 413.545 in.

(d) W87 - Basic 2A Wing Configuration  
 Figure 2. - Continued.



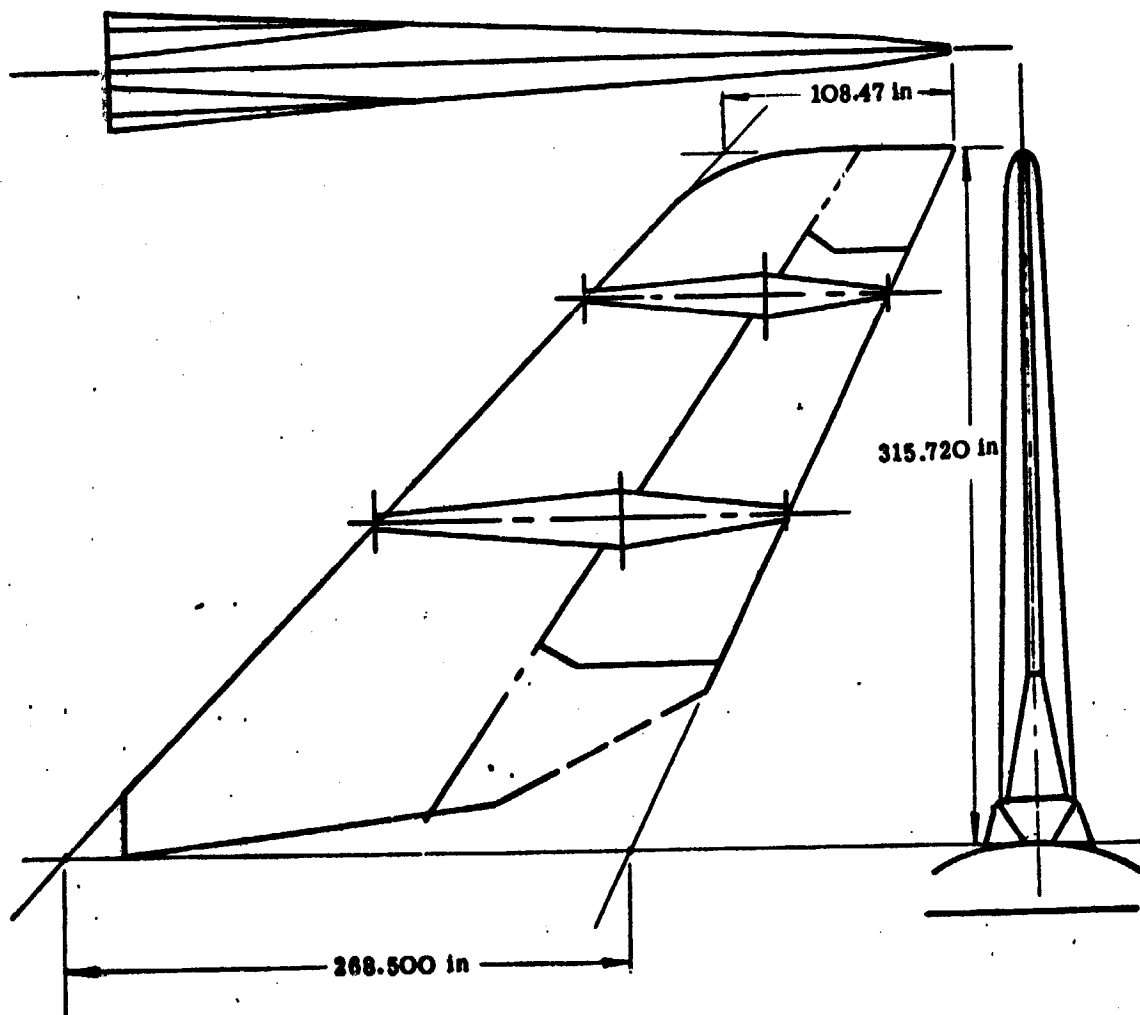
(e) F<sub>4</sub> - Body Flap  
Figure 2. - Continued.

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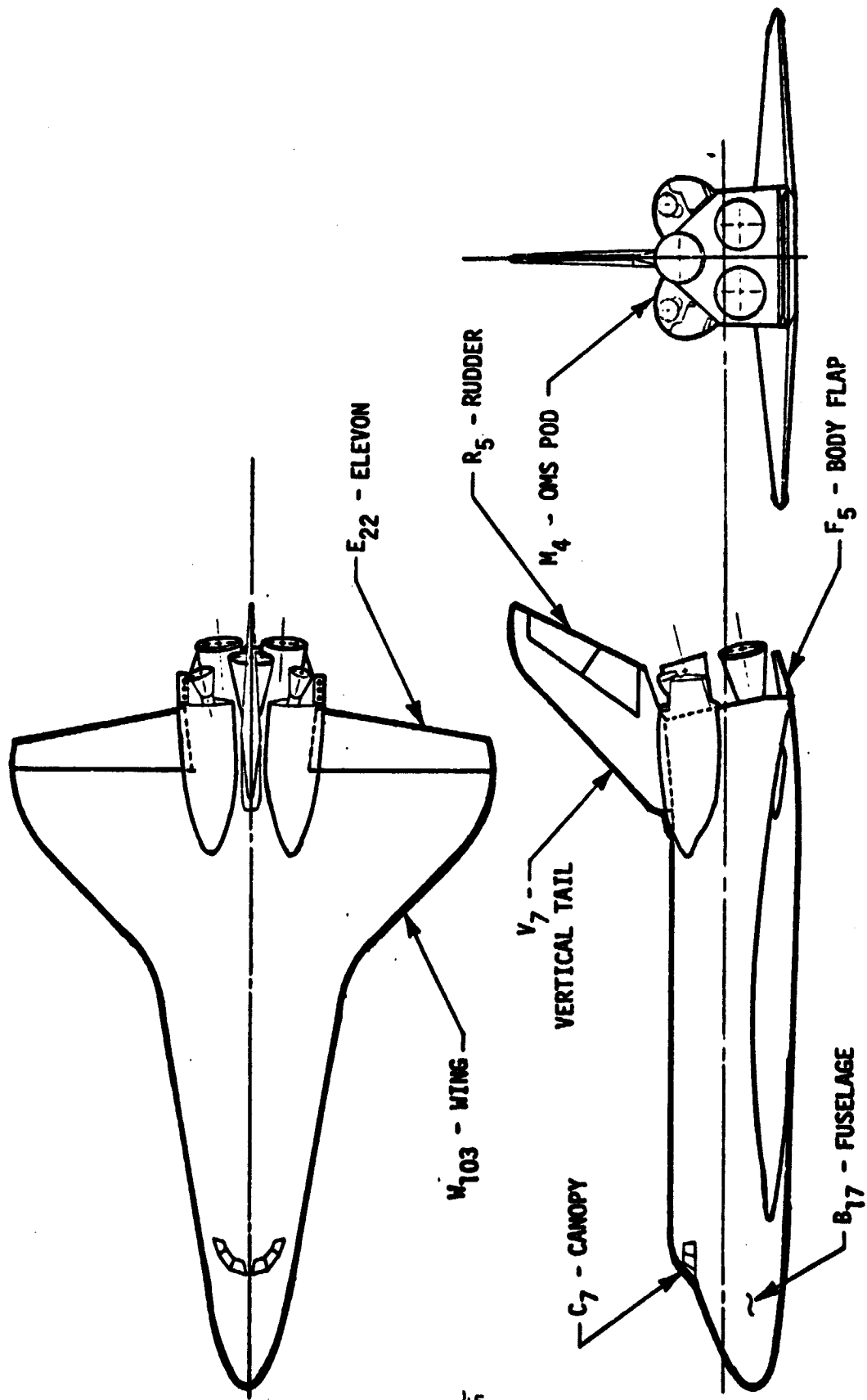


(f) M<sub>3</sub> - OMS Pod

Figure 2. - Continued.

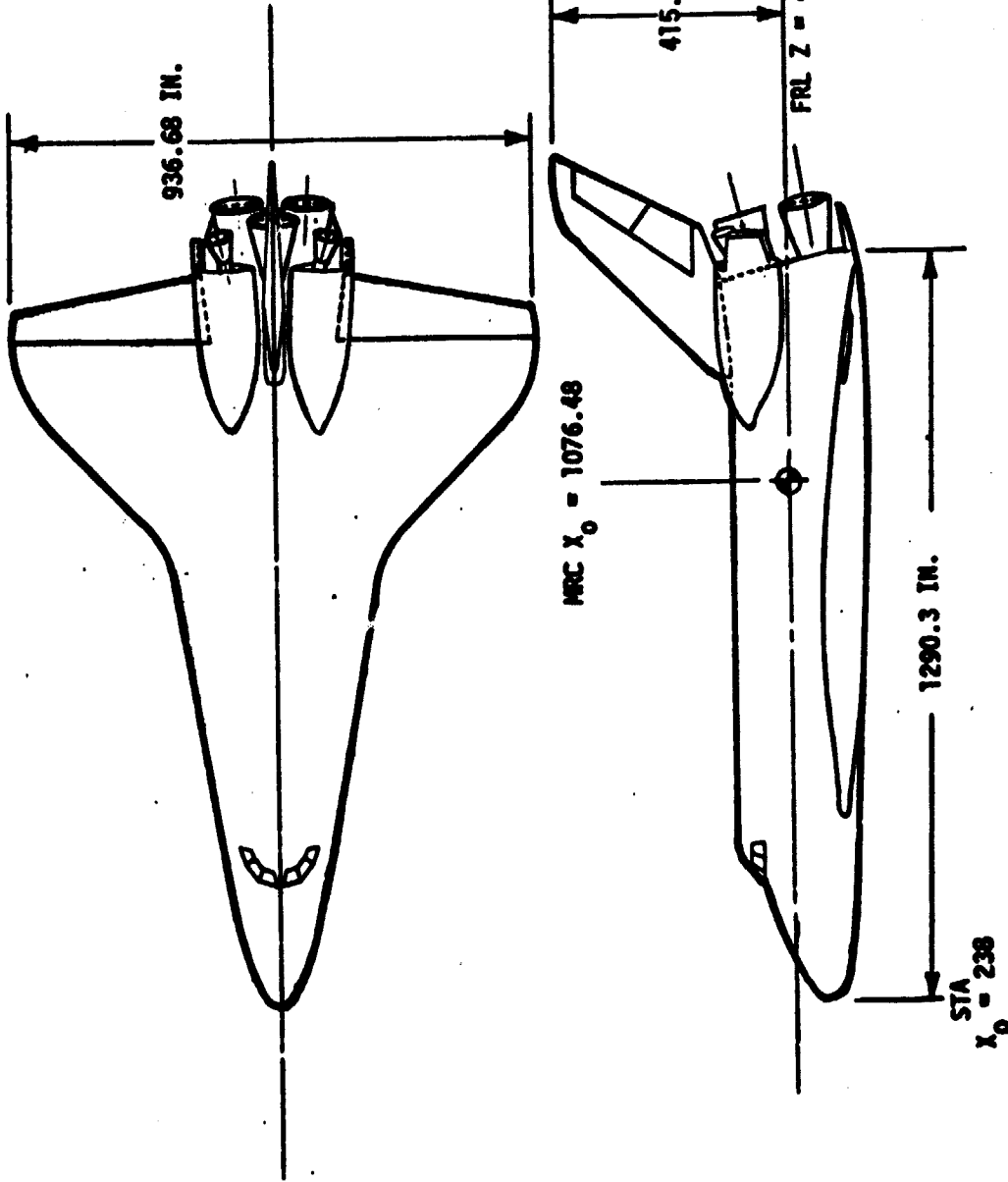


(g)  $V_5$  - Vertical Tail  
Figure 2. - Continued.



(h) SSV Orbiter Configuration 3 (VL70-000139B) Model Nomenclature  
 Figure 2. - Continued.

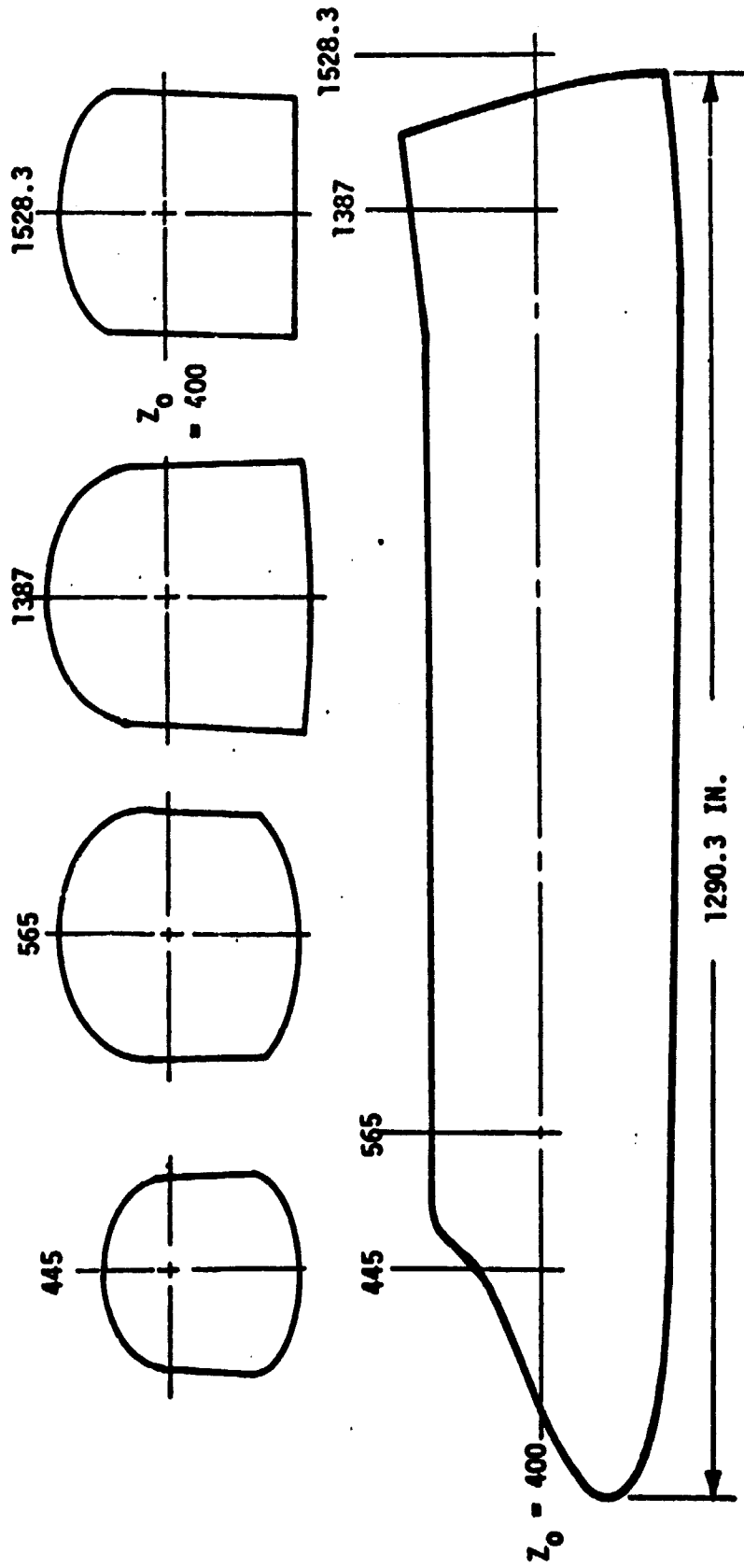
REFERENCE	DIMENSIONS
AREA	$S_w = 2690 \text{ FT}^2$
MAC	$\bar{c} = 474.8 \text{ IN.}$
C.G.	$X = 838. \text{ IN.}$
SPAN	$Z = 400 \text{ IN.}$
LENGTH	$b_w = 936.68 \text{ IN.}$
	$L = 1290.3 \text{ IN.}$



(1) SSV Orbiter Configuration 3(VL70-000139B) Baseline Dimensions

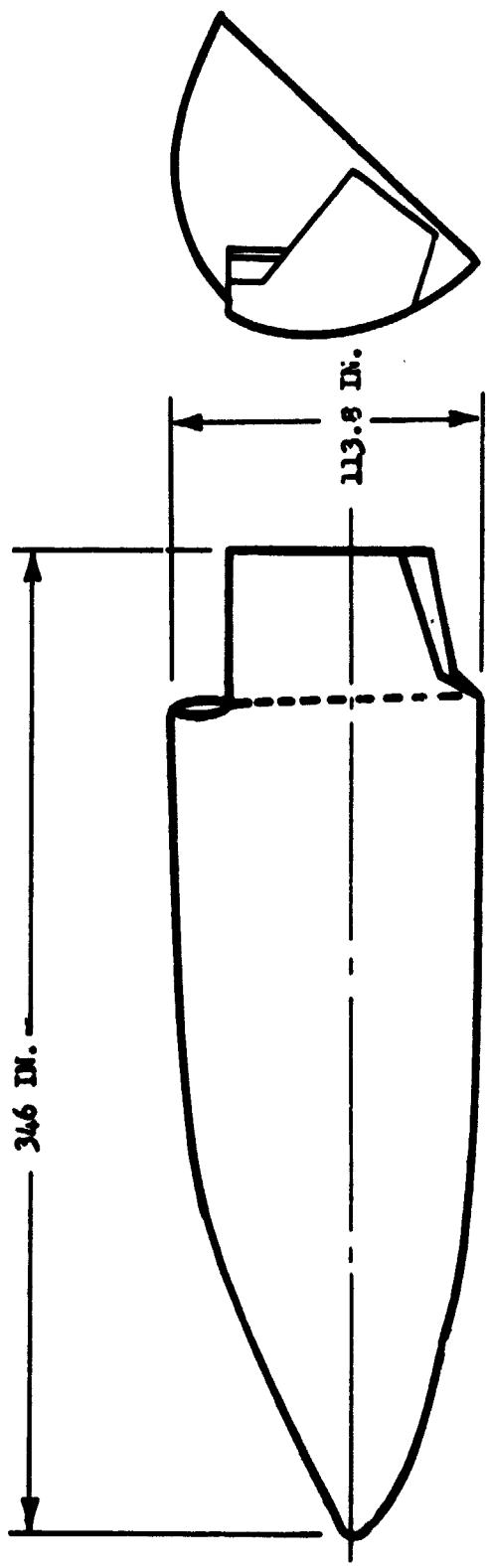
Figure 2. - Continued.

REPRODUCIBILITY OF THE  
ORIGINAL PAGE IS POOR



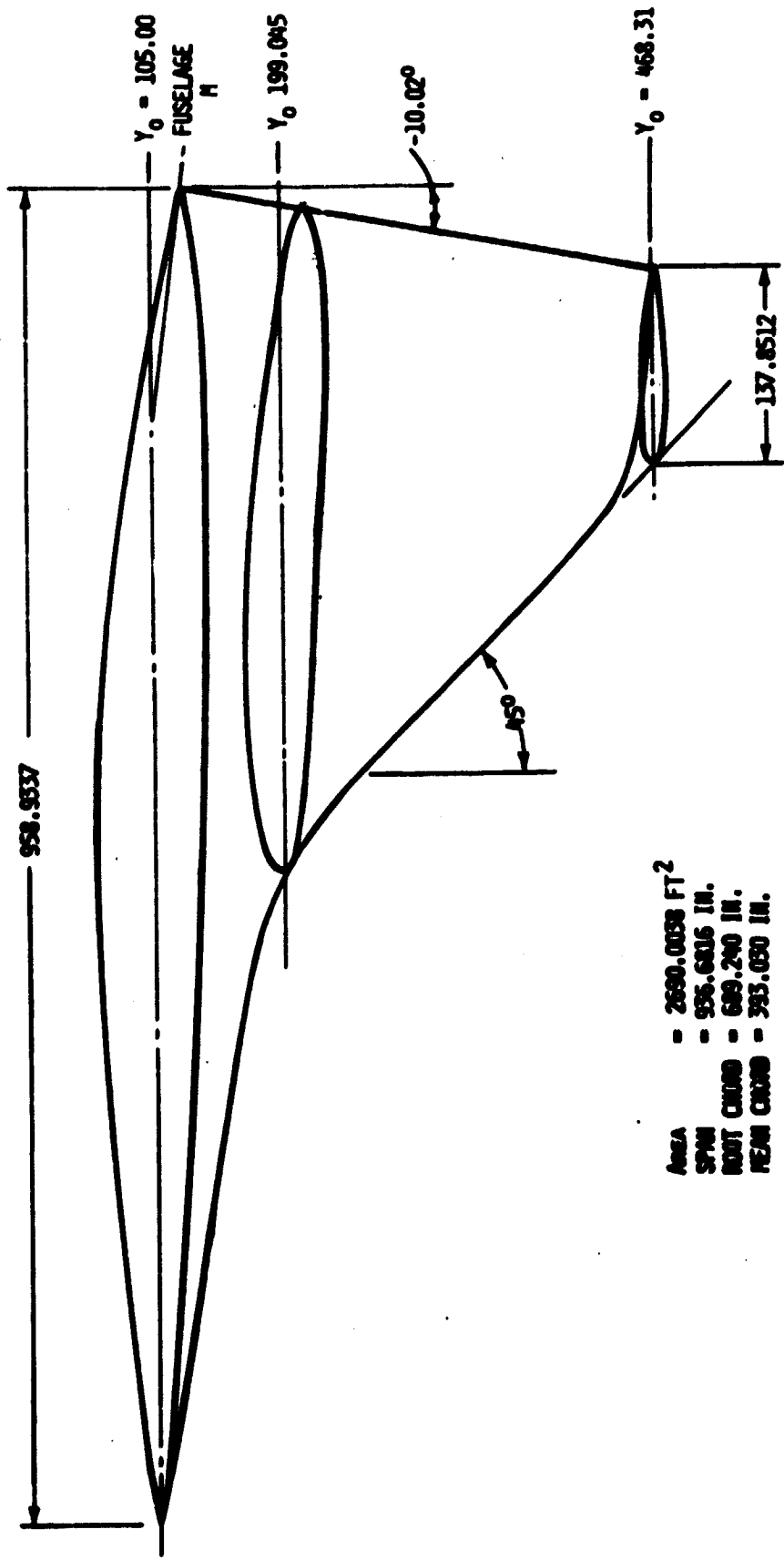
(J) B19 - Basic 3(VL70-000139B) Fuselage

Figure 2. - Continued.



(k) M<sub>4</sub> - OMS Pod  
Figure 2. - Continued.



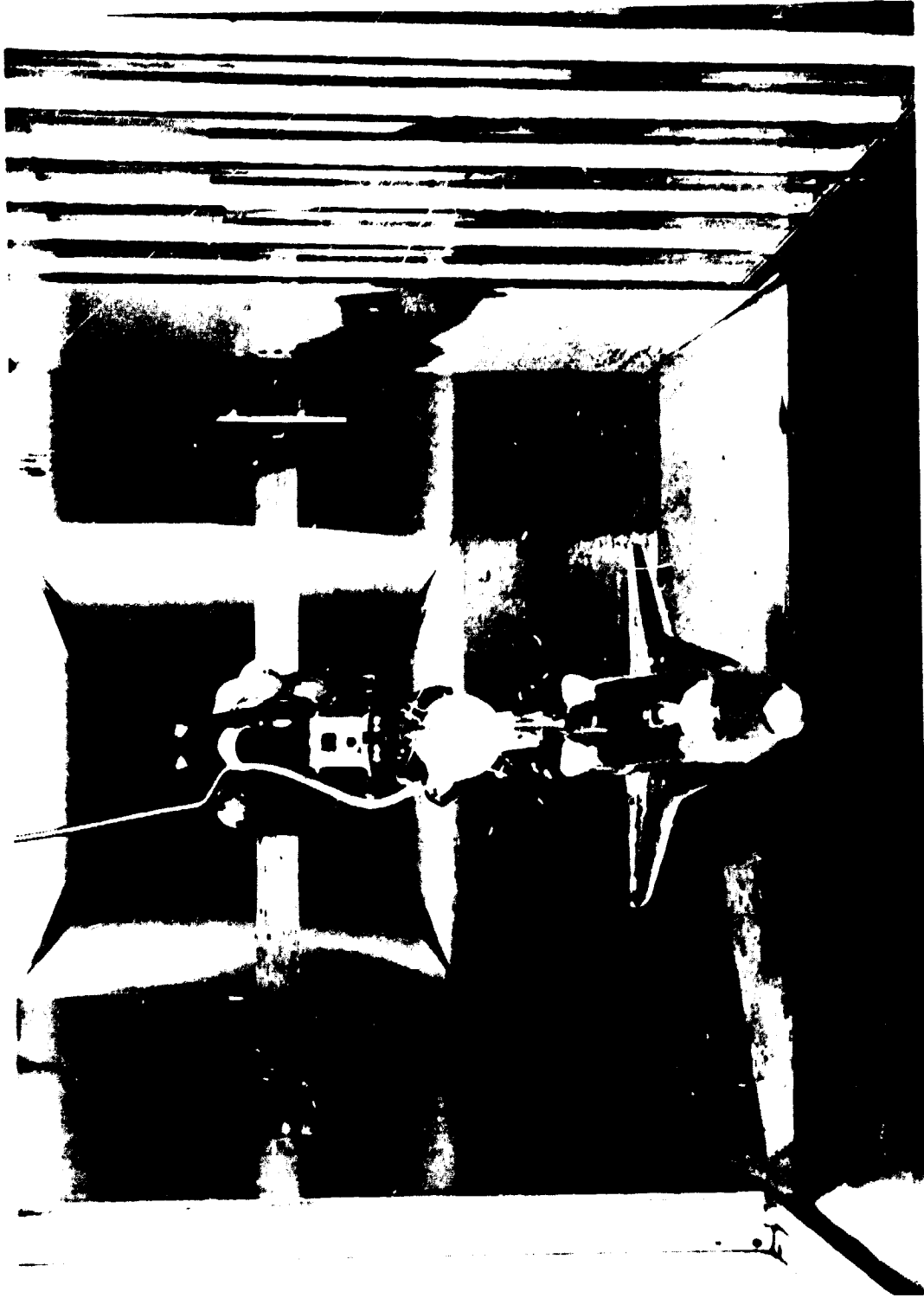


VL70-000139

- Area = 2690.0038 FT<sup>2</sup>
- SPAN = 936.6316 IN.
- ROOT CHORD = 609.240 IN.
- MEAN CHORD = 393.050 IN.

(1) W<sub>107</sub> - Wing  
 Figure 2. - Concluded.

REPRODUCIBILITY OF THE  
ORIGINAL PAGE IS POOR



(e) General Tunnel Installation - Top View  
Figure 3. - Model Installation Photographs.

REPRODUCTION OF  
ORIGINAL PHOTOGRAPH



(b) Model - Side View  
Figure 3. - Concluded.

DATA FIGURES

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

SPOBRK 54.820  
54.820  
54.820

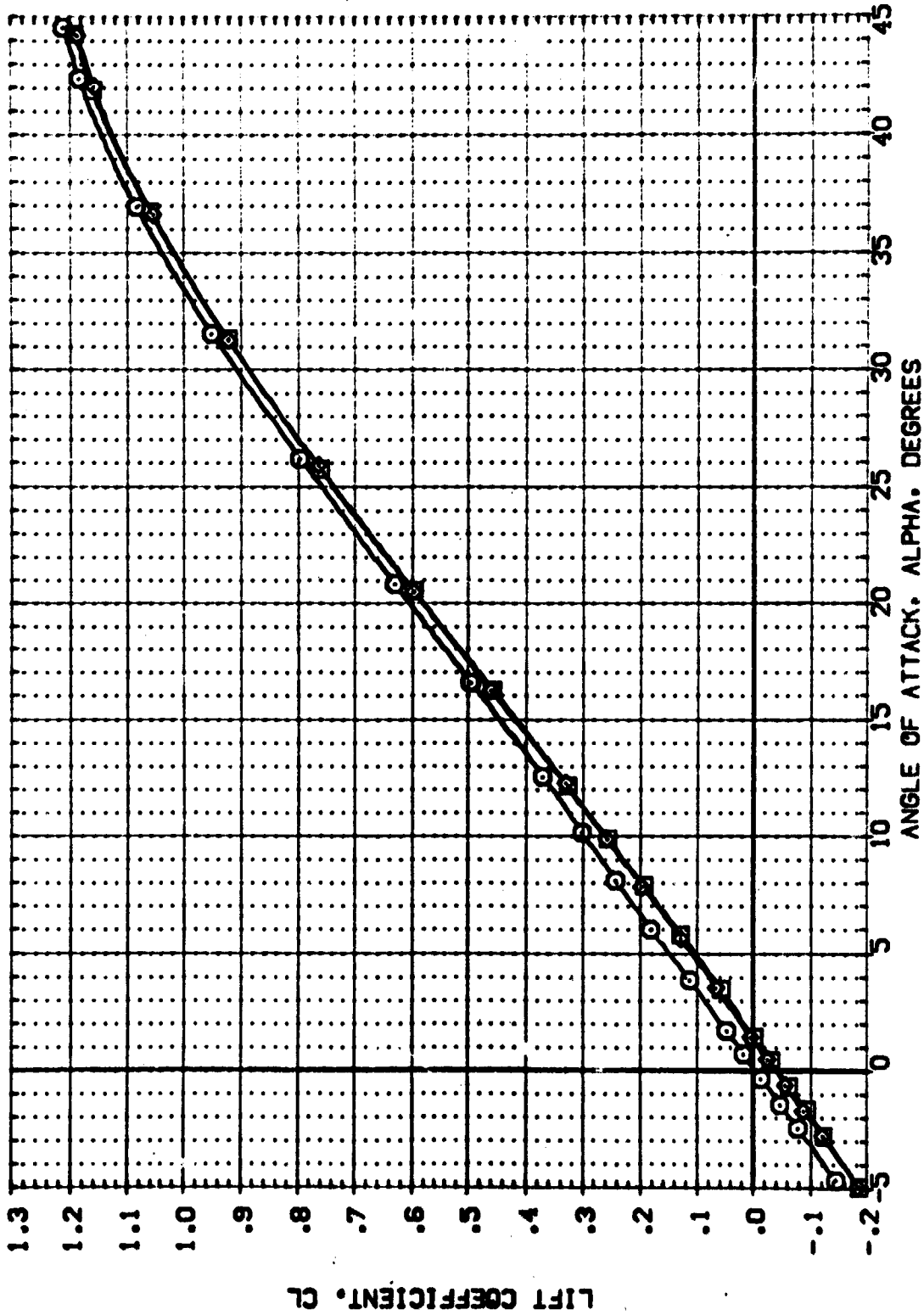
EDFLAP -14.250  
-14.250  
-14.250

RUDER .000  
.000  
.000

ELEVTR .000  
.000  
.000

CONFIGURATION DESCRIPTION  
0A44 UPVT 1008 CONF-2A B10C2D7H3FAV67E18NSV3X18  
0A44 UPVT 1008 CONF-4 B18C7E2F3H4R5V7N107X18  
0A44 UPVT 1008 CONF-4 B21C7E2F3H4R5V7N107X18

DATA SET SYMBOL  
{MNR02}  
{MNR03}  
{MNR04}



COMPONENT BUILDUP

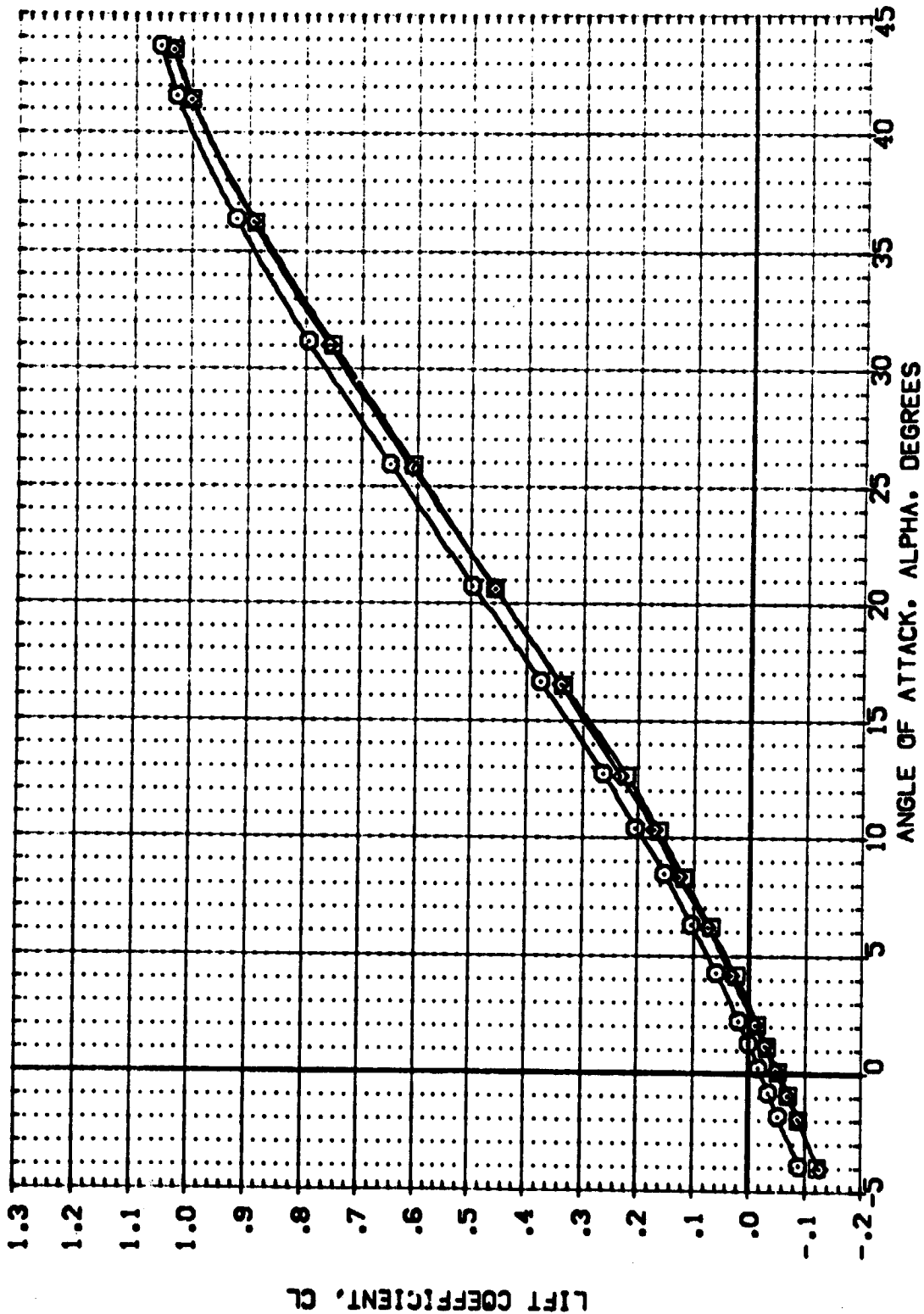
(A)MACH = 2.50



DATA SET SYMBSL CONFIGURATION DESCRIPTION  
 (RPNED) DA44 LPVT 1035 CONF-2A B10C307MGF4V87E1985V3X16  
 (RPNES) DA44 LPVT 1035 CONF4 B187E2Z3F5485V7107X16  
 (RPNES) DA44 LPVT 1035 CONF4 B21C7E2Z3F5485V7107X16

ELEVTR RUDDER BOFLAP SPOBRK  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP

(C)MACH = 4.60

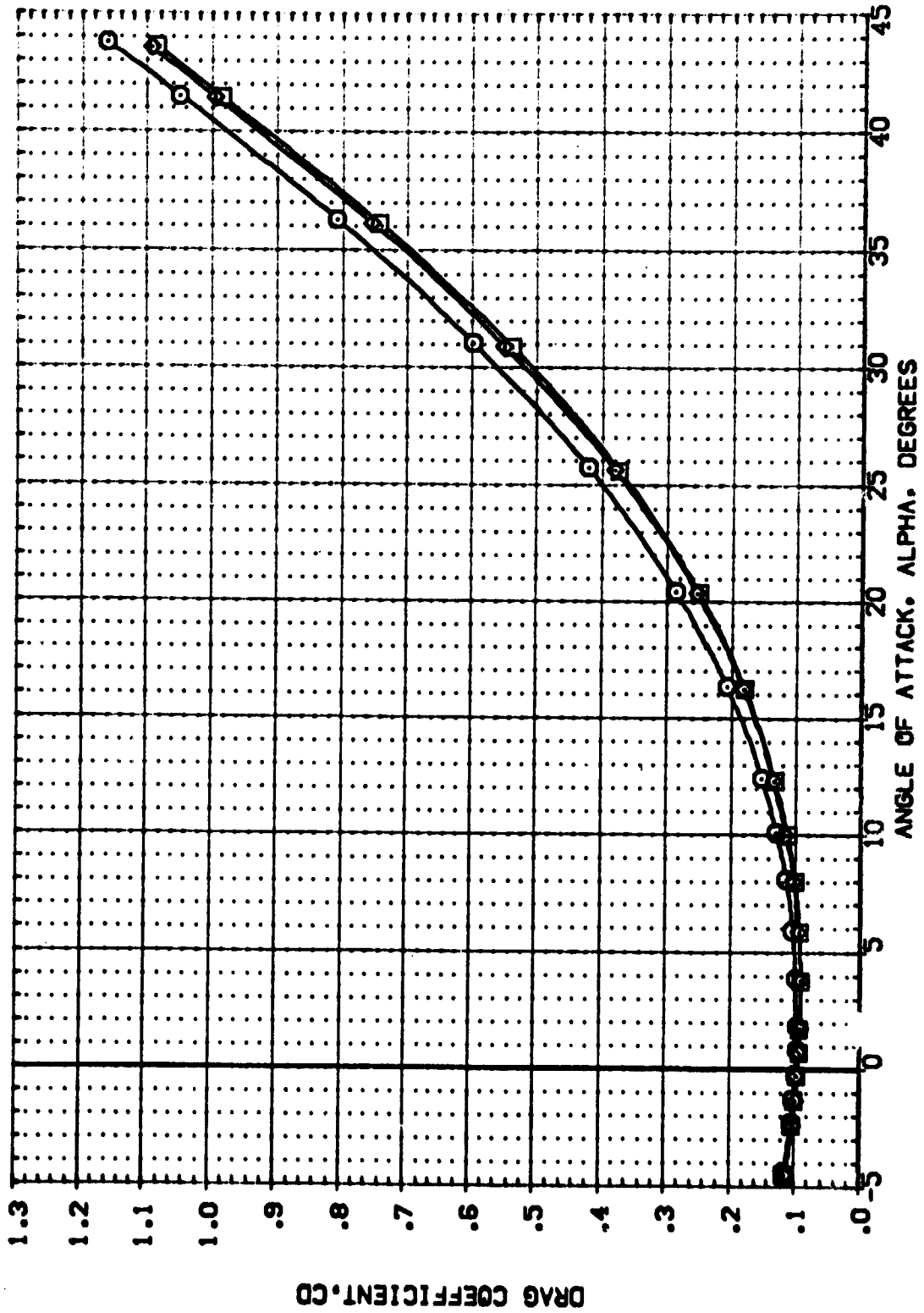




DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 (RPN02) OMA4 LPVT 1035 CONF-2A B10C870CF4W87E188V8X16  
 (RPN18) OMA4 LPVT 1035 CONF-4 B19C7E2F3SHR8V7107X16  
 (RPN25) OMA4 LPVT 1035 CONF-4 B21C7E2F3SHR8V7107X16

ELEVTR RUDDER BOFLAP SPOBRK SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

ELEVTR RUDDER BOFLAP SPOBRK  
 .000 .000 .000  
 .000 .000 .000  
 .000 .000 .000

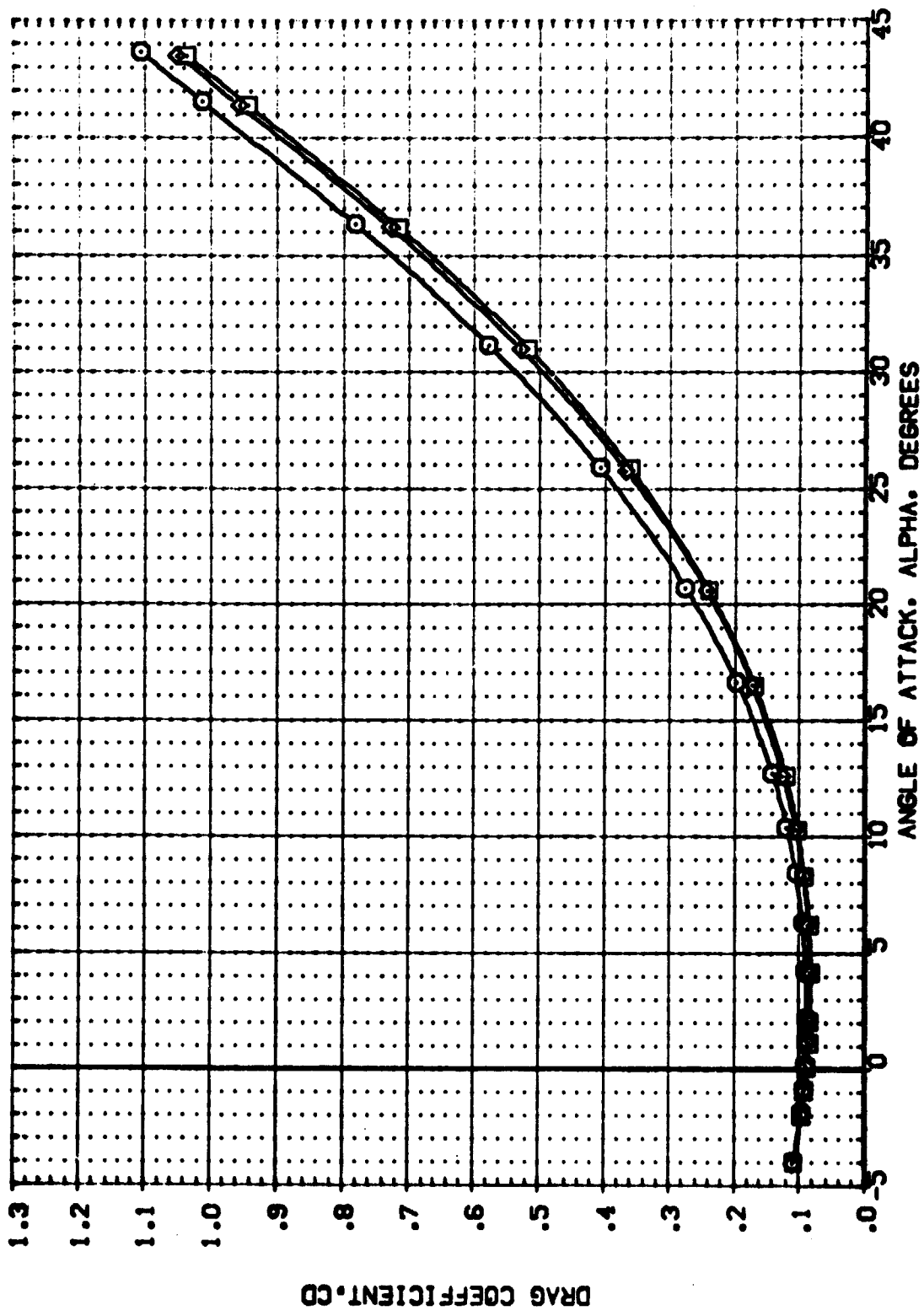


COMPONENT BUILDUP  
 (B)MACH = 3.90

DATA SET 0000. CONFIGURATION DESCRIPTION  
 00000000 00000000 00000000 00000000  
 00000000 00000000 00000000 00000000  
 00000000 00000000 00000000 00000000  
 00000000 00000000 00000000 00000000

ELEVATION ANGLE 0.000  
 SLOPE 0.000  
 ROLL 0.000  
 YAW 0.000  
 PITCH 0.000  
 ROLL RATE 0.000  
 YAW RATE 0.000  
 PITCH RATE 0.000

SEE THE ASSOCIATED DATA  
 ELEMENT FOR REFERENCE  
 CHARACTERISTICS FOR  
 INDIVIDUAL DATASETS

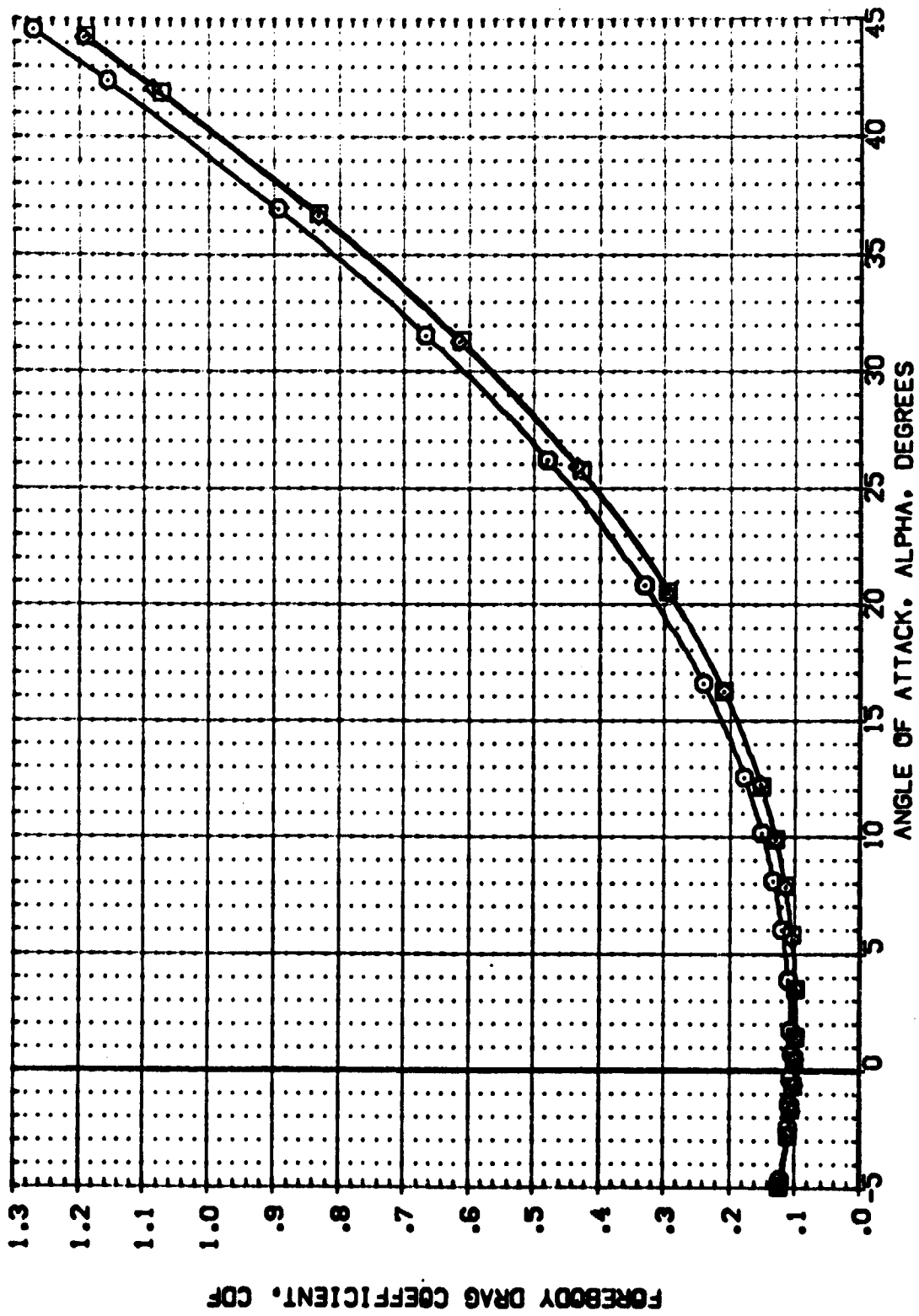


COMPONENT BUILDUP  
 (C)MACH = 4.60

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RPN02) 0A14 UPVT 1035 CONF-2A B10C307K0F4V87E18R5V5X16  
 (RPN18) 0A14 UPVT 1035 CONF-2A B18C7E2ZF3H4R5V7107A16  
 (RPN25) 0A14 UPVT 1035 CONF-2A B21C7E2ZF3H4R5V7107A16

ELEVTR RUDDER BOFLAP SPDRBK  
 .000 .000 -14.250 54.520  
 .000 .000 -14.250 54.520  
 .000 .000 -14.250 54.520

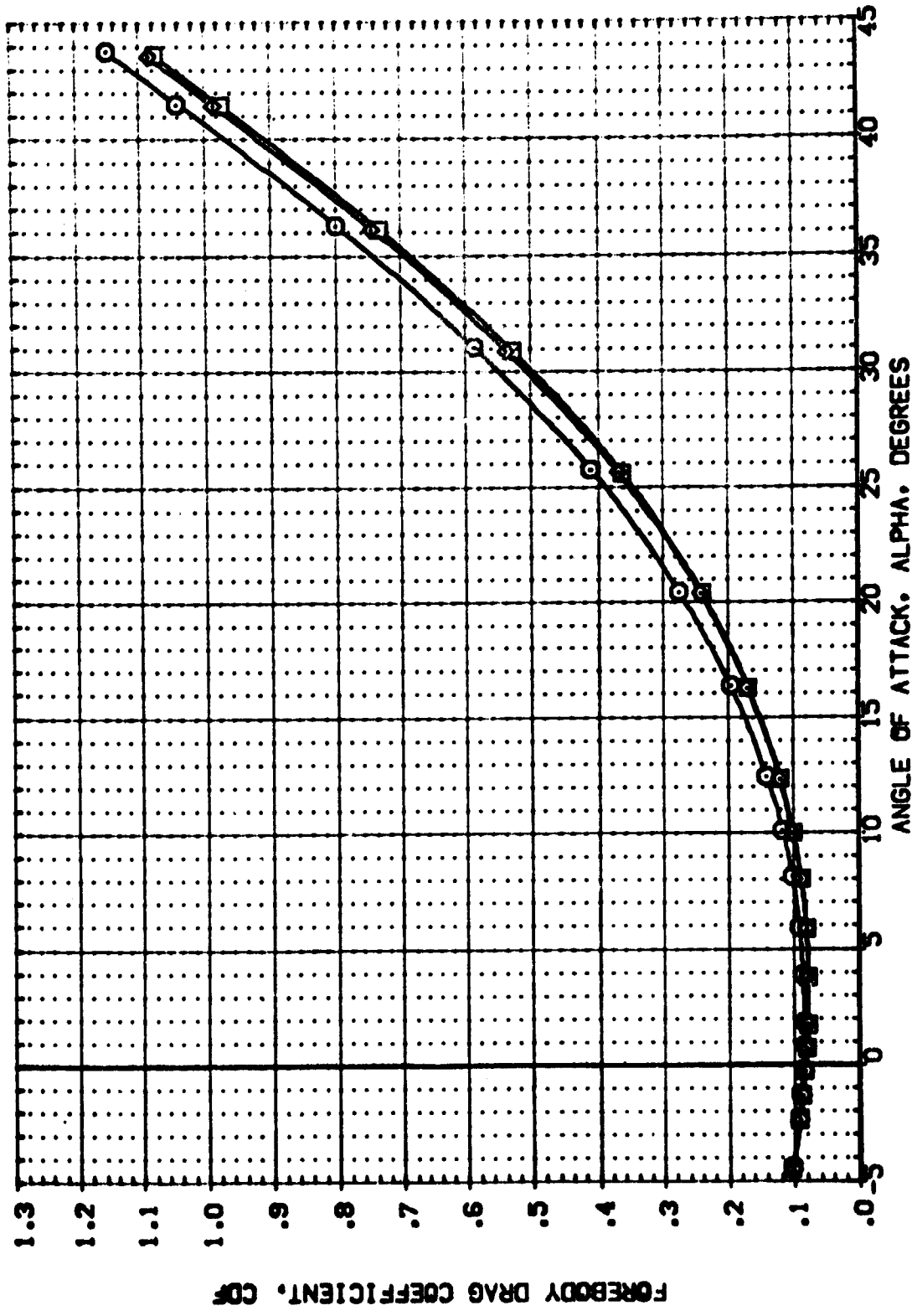
SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP  
 (A)MACH = 2.50

DATA SET SWEBL. CONF RELATION DESCRIPTION SEE THE ASSOCIATED DATA  
 (SWEBL) 0 0M41 UNIT 1000 CONF-2A ENGINEERING MODELING FOR REFERENCE  
 (SWEBL) 1 0M41 UNIT 1000 CONF-1 BLENDED SURFACE/107X16 CHARACTERISTICS FOR  
 (SWEBL) 2 0M41 UNIT 1000 CONF-1 BLENDED SURFACE/107X16 INDIVIDUAL DATASETS

ELEVATOR BLADES SWLAP SPORK  
 .000 -11.250 54.500  
 .000 -11.250 54.500  
 .000 -11.250 54.500



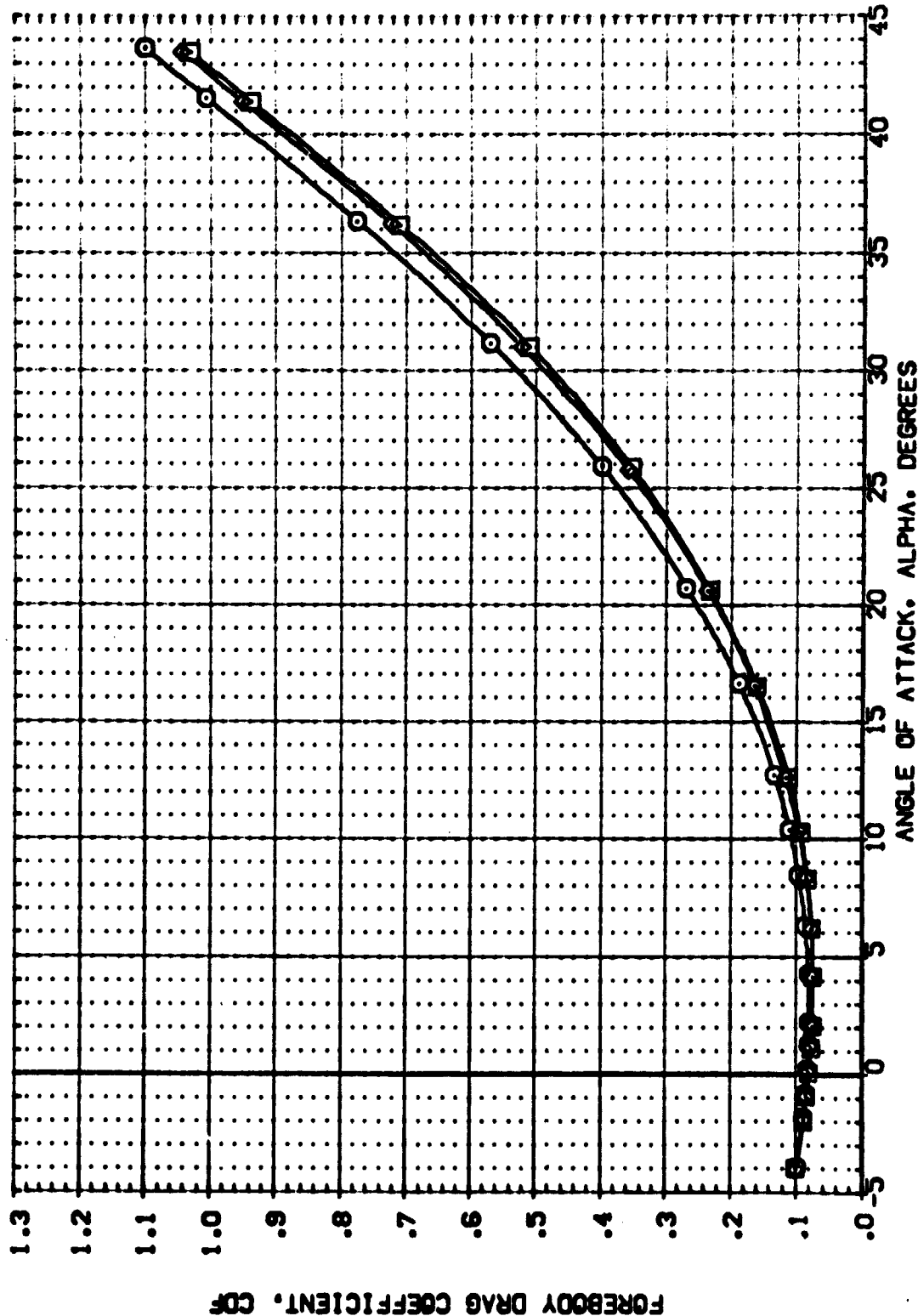
COMPONENT BUILDUP

(B)MACH = 3.90

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RPM202) 0A44 UPVT 1005 CONF-2A B10C5070F4N67E10N9V3X18  
 (RPM218) 0A44 UPVT 1005 CONF-2A B15C7E2F3H4N6V7J107X18  
 (RPM225) 0A44 UPVT 1005 CONF-4 B21C7E2F3H4N6V7J107X18

ELEVTR RUDDER BDFLAP SPOBRK  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920

SEE THE ASSOCIATED DATA  
 DOCUMENT FOR REFERENCE  
 CHARACTERISTICS FOR  
 INDIVIDUAL DATASETS



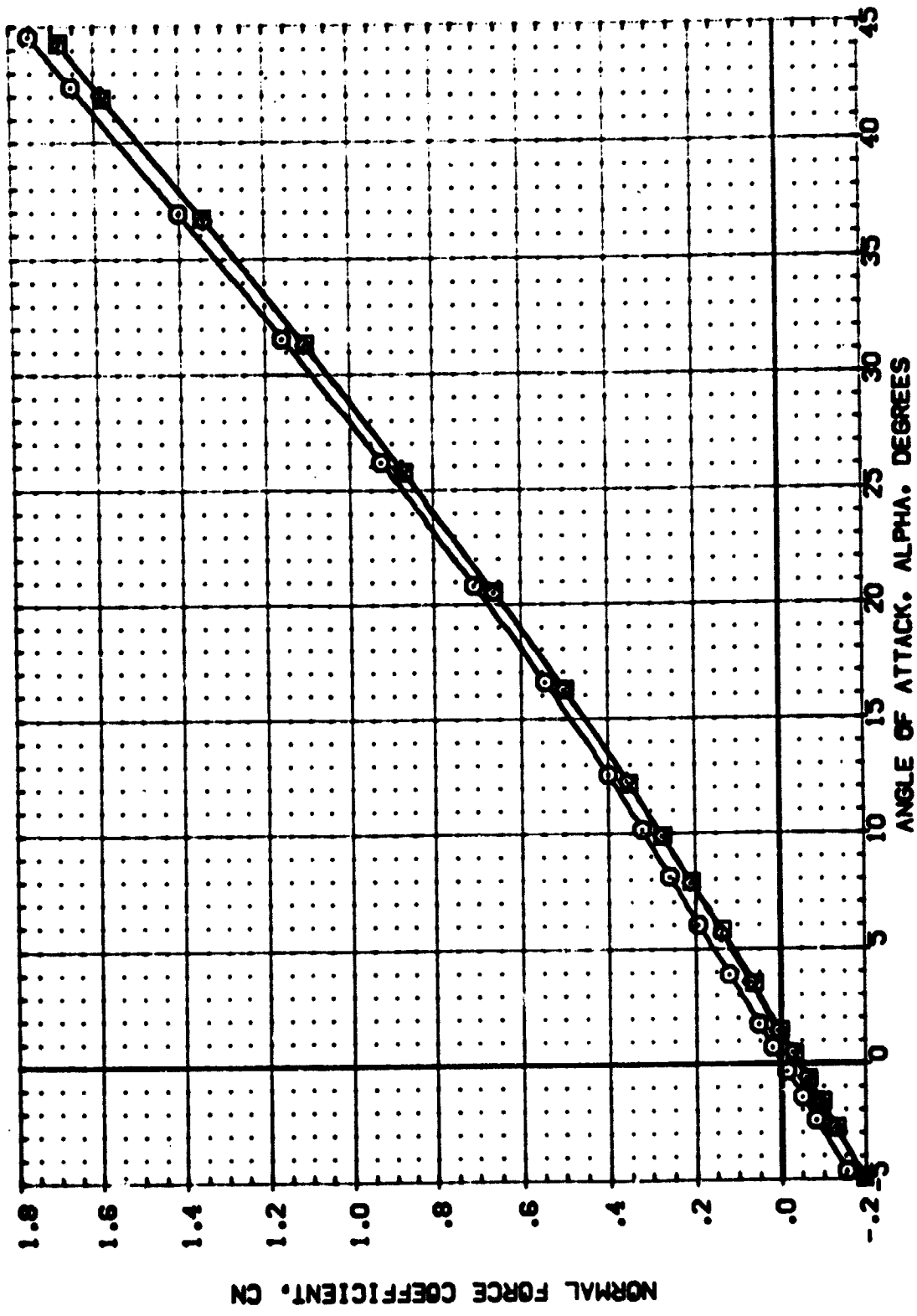
COMPONENT BUILDUP

(C)MACH = 4.60

DATA SET 0000L CONFIGURATION DESCRIPTION  
 { 000000 } 0000 0000 0000 0000 0000 0000 0000 0000  
 { 000000 } 0000 0000 0000 0000 0000 0000 0000  
 { 000000 } 0000 0000 0000 0000 0000 0000 0000

ELEVTR RUDDER EDPLAP SPOONK  
 .000 -14.250 54.500  
 .000 -14.250 54.500  
 .000 -14.250 54.500

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP  
 (A)MACH = 2.50



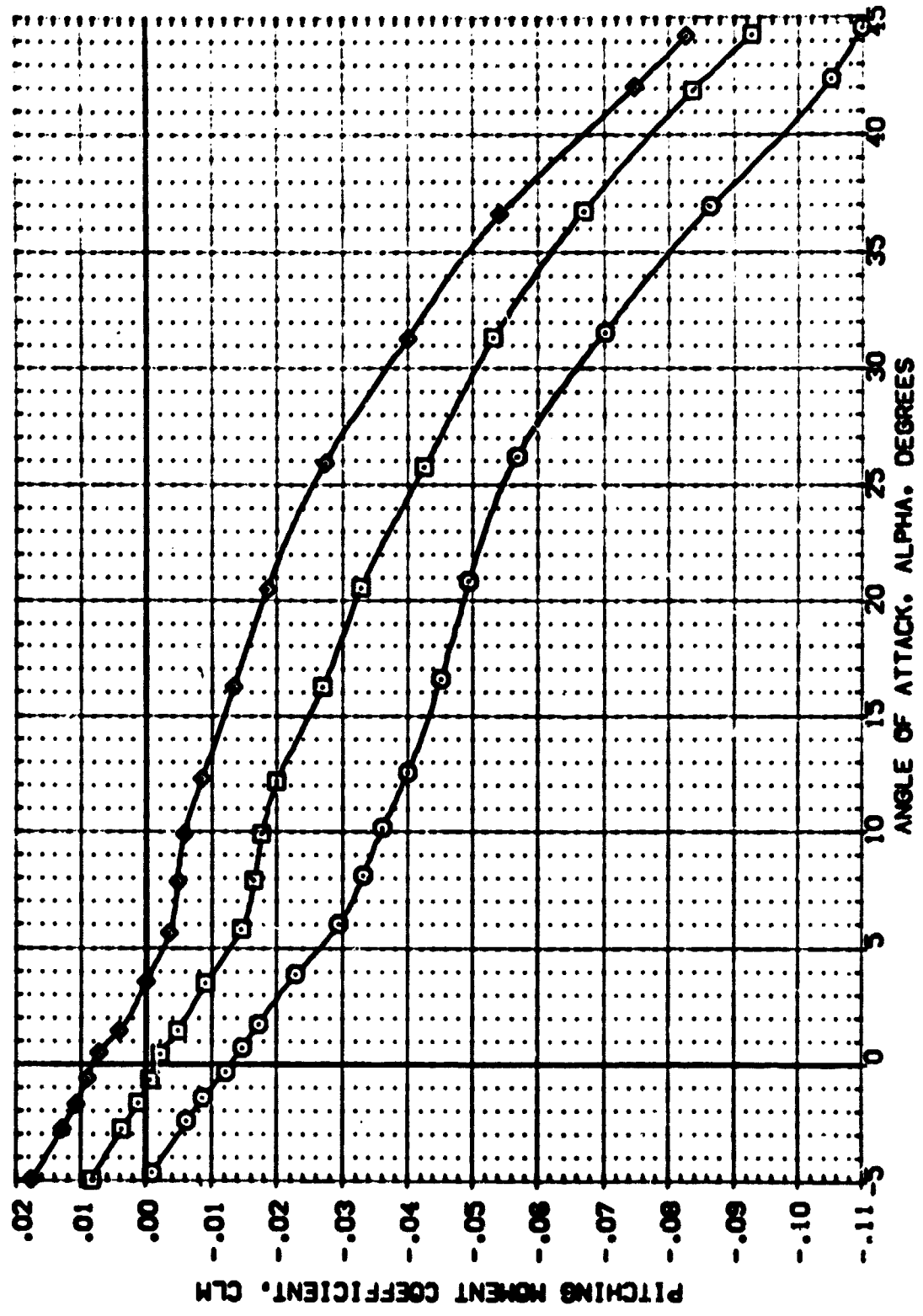




DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 { 00000 } 0000 UNVT 1000 CONF-2A BLOCSTRIP 4INTE 100000018  
 { 00001 } 0000 UNVT 1000 CONF-2A BLOCSTRIP 3INTE 100000018  
 { 00002 } 0000 UNVT 1000 CONF-2A BLOCSTRIP 2INTE 100000018  
 { 00003 } 0000 UNVT 1000 CONF-2A BLOCSTRIP 1INTE 100000018

ELEVTR FLOOR EDLAP SPORNK  
 .000 .000 -14.250 54.500  
 .000 .000 -14.250 54.500

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

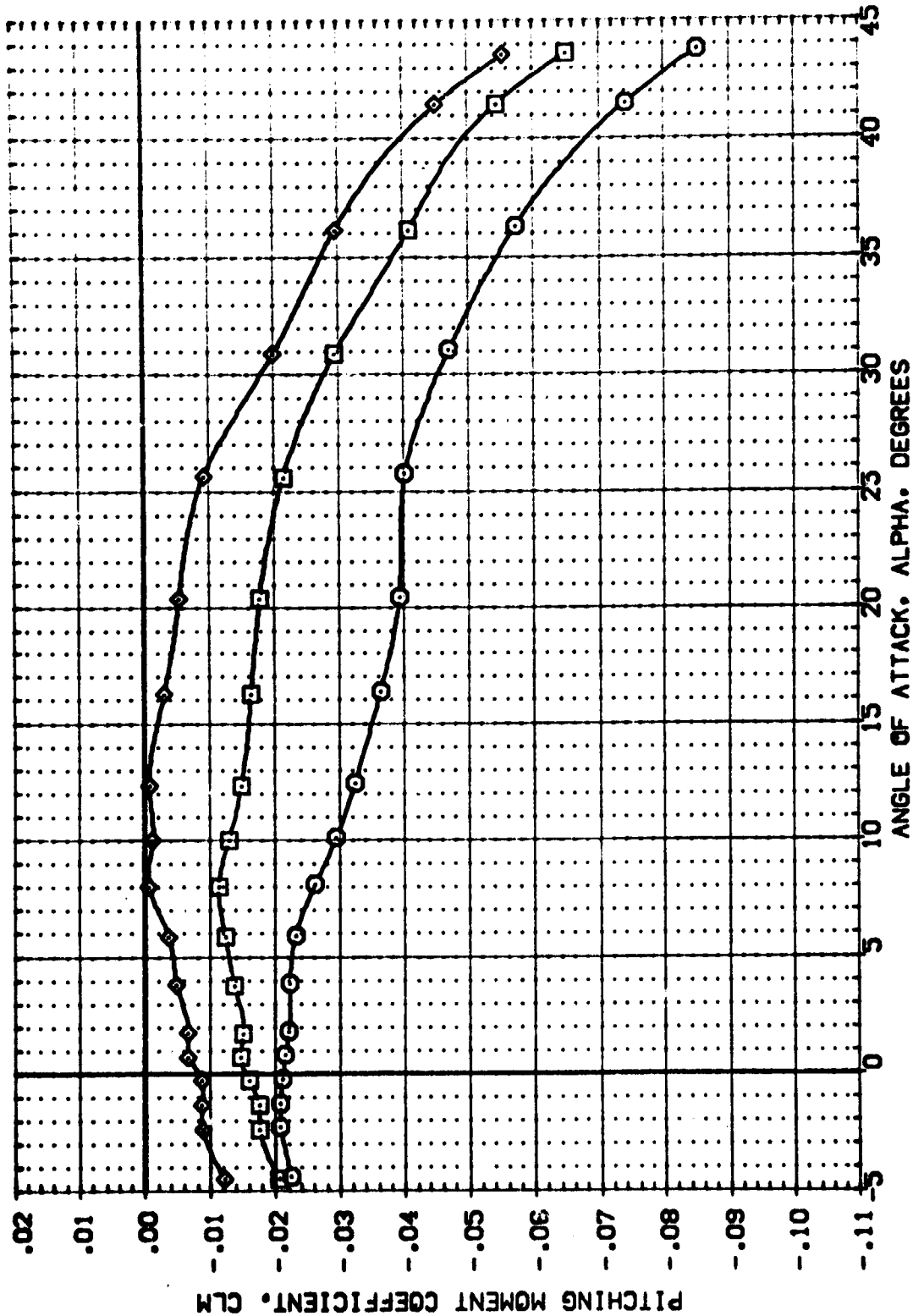


COMPONENT BUILDUP  
 (A)MACH = 2.50

DATA SET SPEED. CONFIGURATION DESCRIPTION  
 { SPEED } 0M4 UVT 1000 CDF-2A B10C23M05-14871.00000018  
 { SPEED } 0M4 UVT 1000 CDF4 B15C423M05-14871.00000018  
 { SPEED } 0M4 UVT 1000 CDF4 B21C723M05-14871.00000018

ELEVTR RUDDER EDLAP SPDRNK  
 .000 .000 -14.250 54.500  
 .000 .000 -14.250 54.500  
 .000 .000 -14.250 54.500

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP

(B)MACH = 3.90

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

SPDRK 54.520  
 54.520  
 54.520  
 54.520

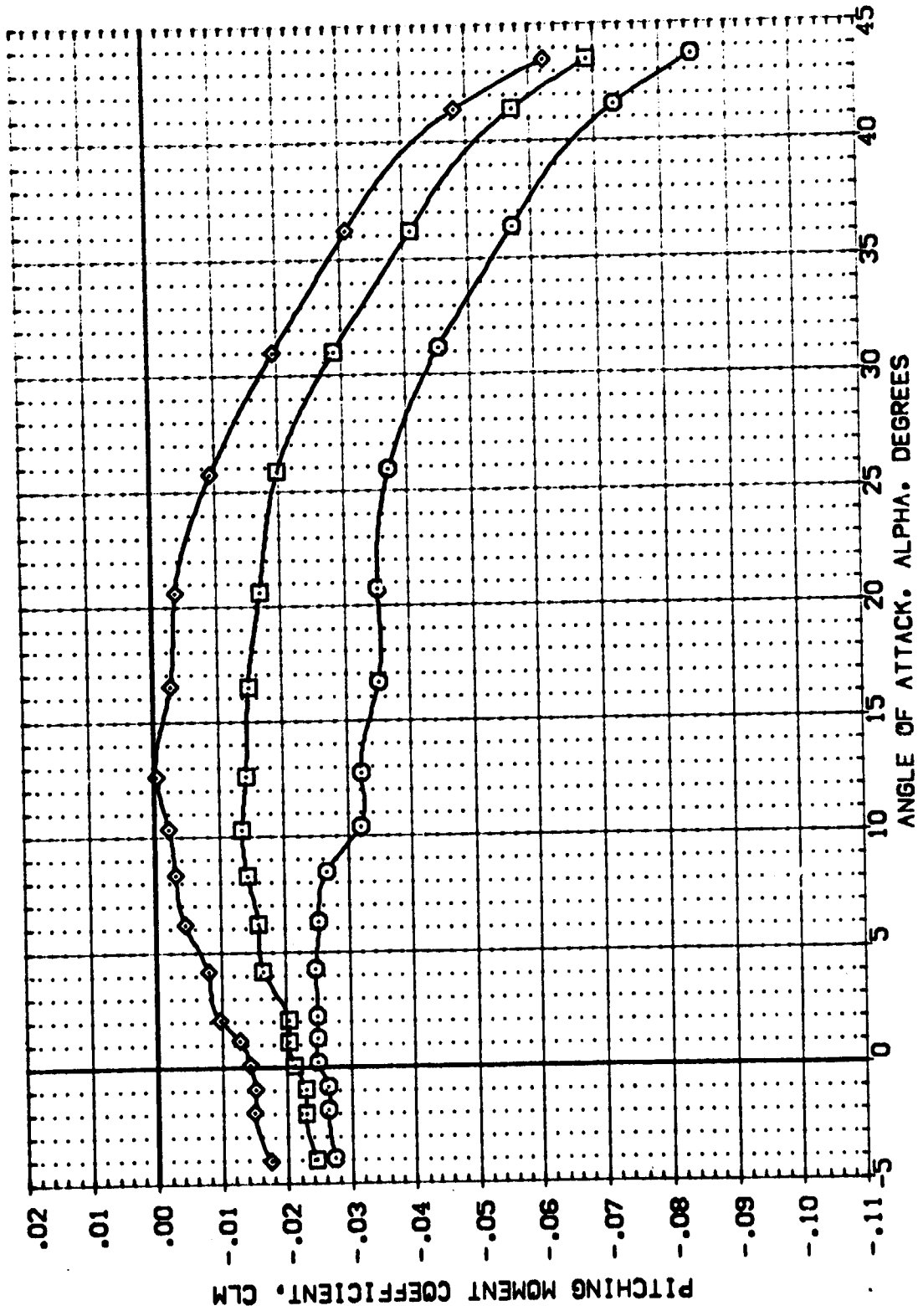
BOFLAP -14.250  
 -14.250  
 -14.250  
 -14.250

RUDDER .000  
 .000  
 .000  
 .000

ELEVTR .000  
 .000  
 .000  
 .000

CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONF	DESCRIPTION
(RPN02)	044	UPVT 1035 CONF-2A B10C307MCF4167E16RSV3X16
(RPN19)	044	UPVT 1035 CONF-4 B187E235MARSV7N107X16
(RPN25)	044	UPVT 1035 CONF-4 B21C7E235MARSV7N107X16



COMPONENT BUILDUP  
 (CJ)MACH = 4.60



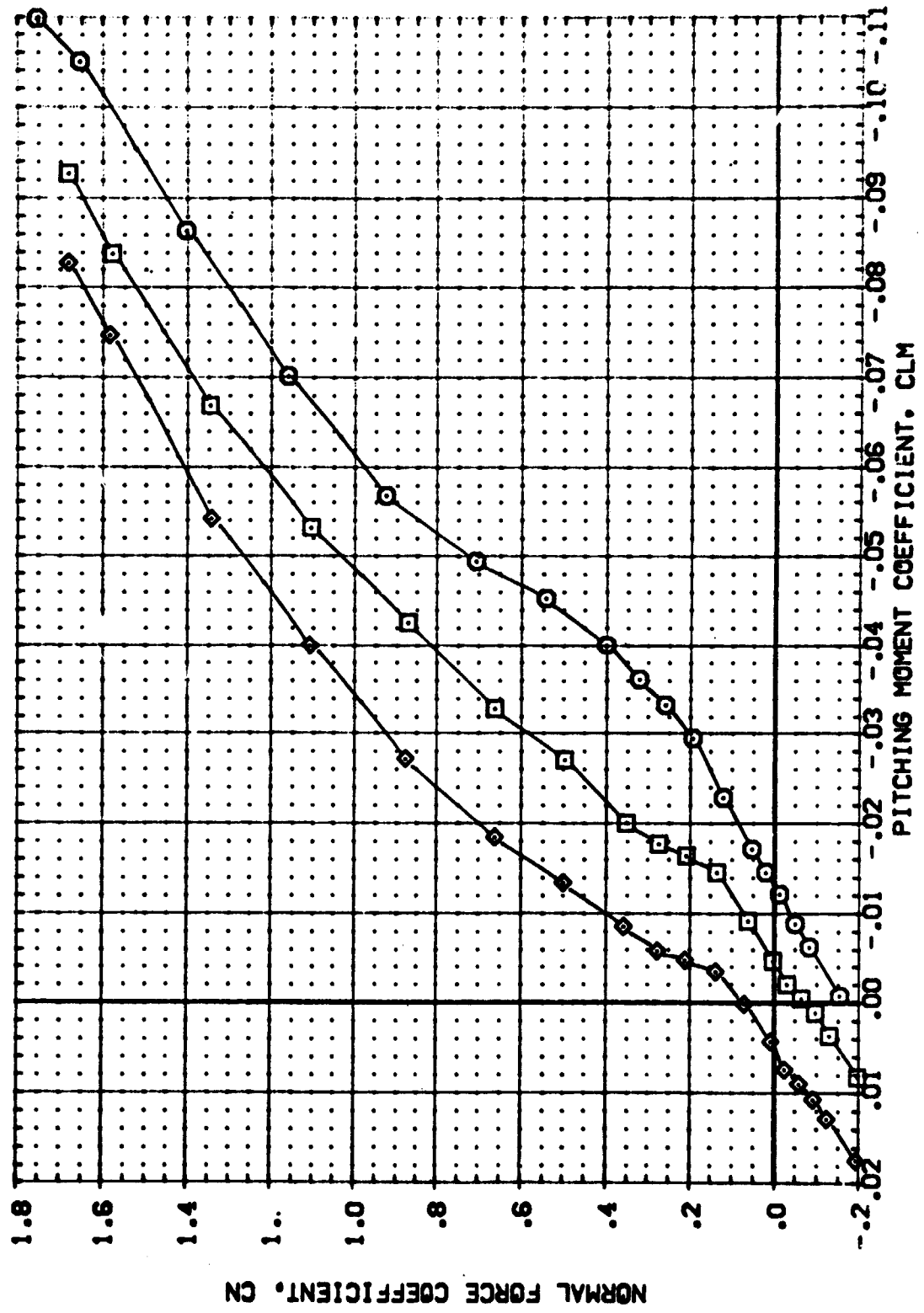




DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 {RNF02} 0A44 UPJT 1005 CONF-2A B100507061487E1805VX18  
 {RNF19} 0A44 UPJT 1005 CONF-2A B15C7E22F34485V7V107X18  
 {RNF25} 0A44 UPJT 1005 CONF-4 B21C7E22F34485V7V107X18

ELEVTR RUDDER EDLAP SPOBRK  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP  
 (A)MACH = 2.50

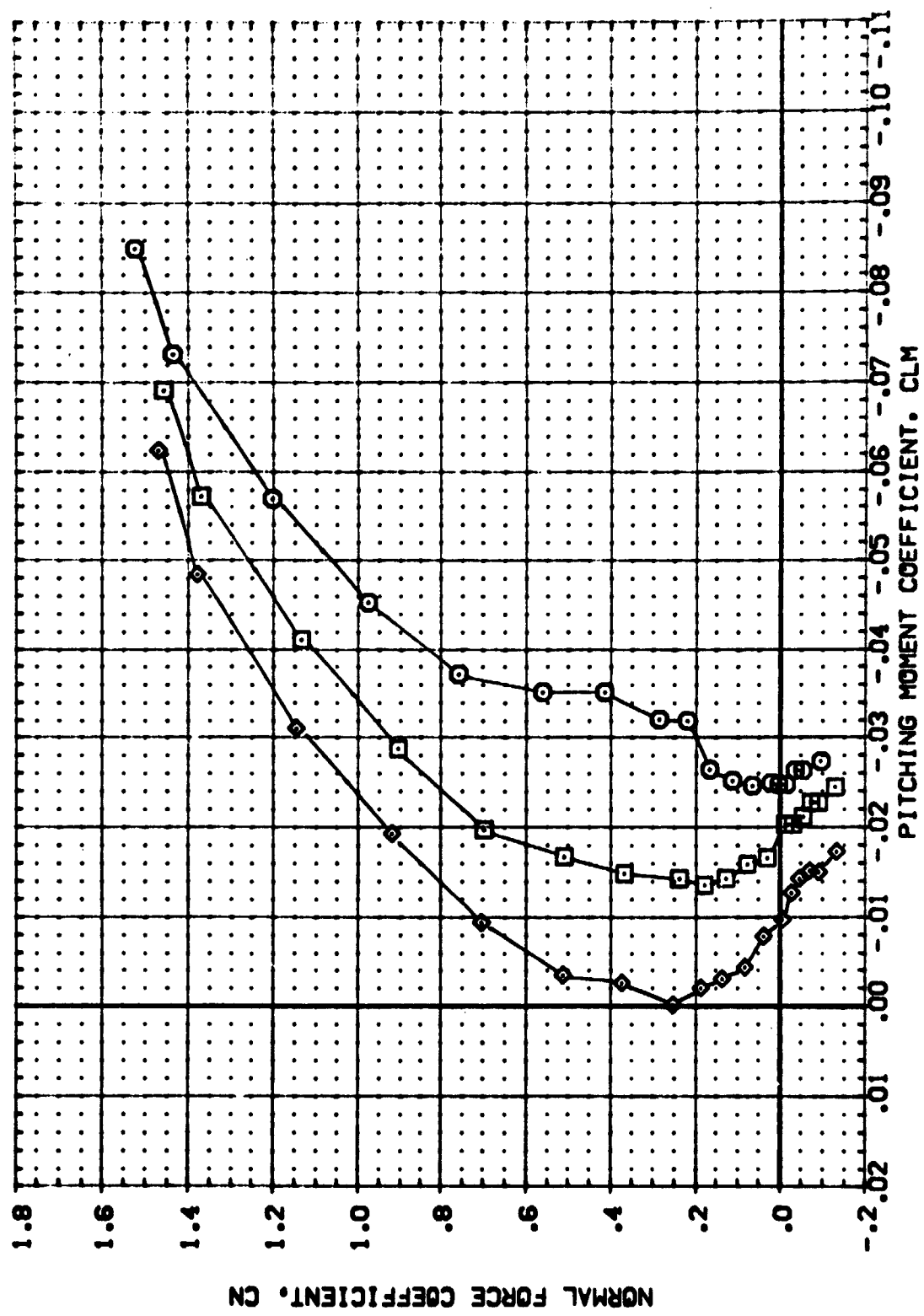




SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

ELEVTR RUDDER BOFLAP SPOBRK  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920

CONFIGURATION DESCRIPTION  
 DA44 UPVT 1035 CONF-2A 810C3D7KFAV87E18RSV5X16  
 BA44 UPVT 1035 CONF4 819C7E2354RSV7N107X16  
 SA44 UPVT 1035 CONF4 821C7E2354RSV7N107X16

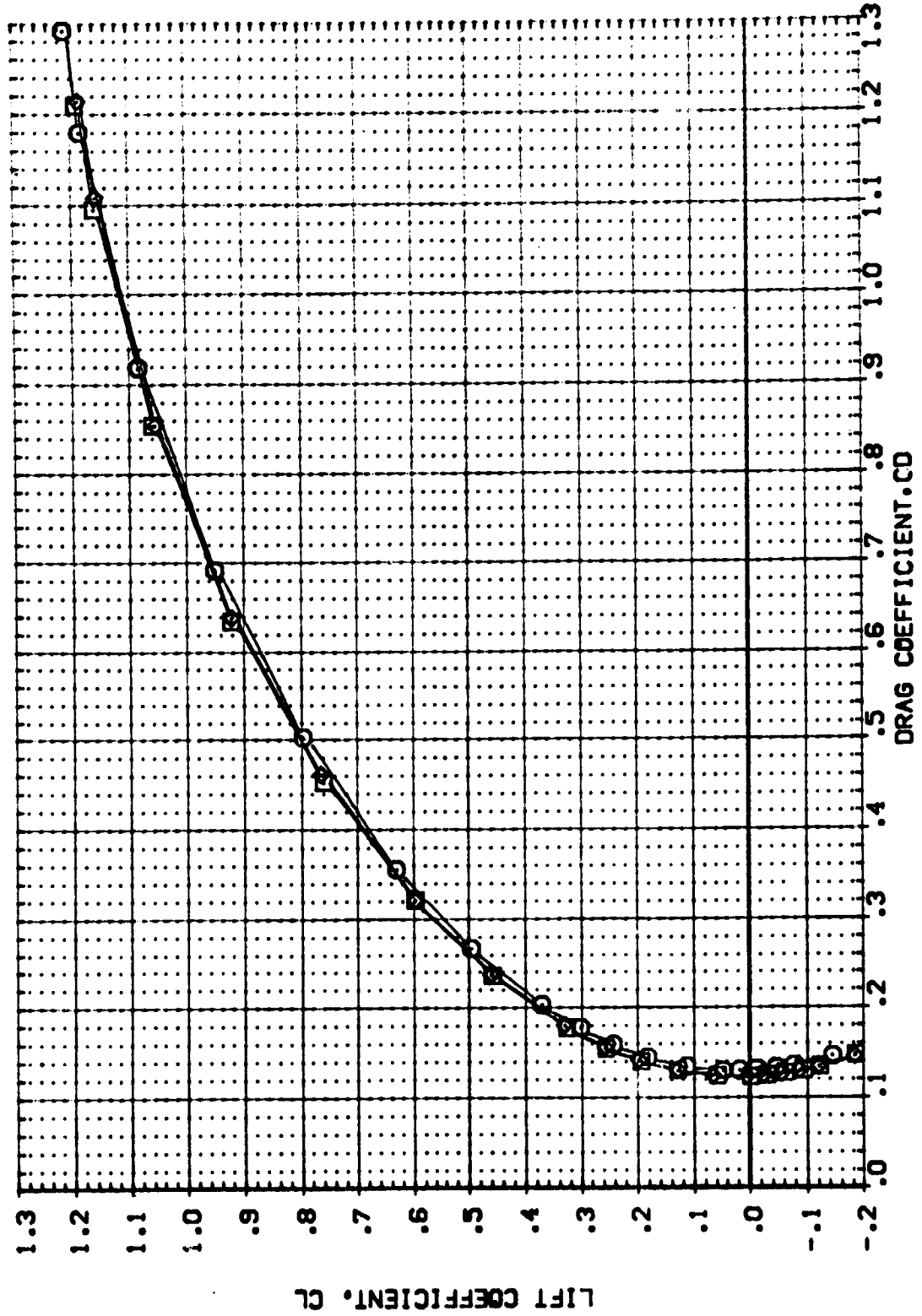


COMPONENT BUILDUP  
 (C)MACH = 4.60

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

ELEVTR .000  
 RUDDER .000  
 BOFLAP -14.250  
 SPOBRK 54.920

DATA SET SYMBOL: 0444 UPVT 1035 CONF-2A  
 B10CSD70F64N87E1989V5X18  
 0444 UPVT 1035 CONF4 B15C7E23F344R5V7M107X18  
 0444 UPVT 1035 CONF4 B21C7E23F344R5V7M107X18



COMPONENT BUILDUP  
 (A)MACH = 2.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RANGE2) 0444 UPVT 1035 CONF-2A B10C507MCF4M87E18R9V5X18  
 (RANGE1) 0444 UPVT 1035 CONF4 B15C7E23F3M4R5V7V107X18  
 (RANGE3) 0444 UPVT 1035 CONF4 B21C7E23F3M4R5V7V107X18

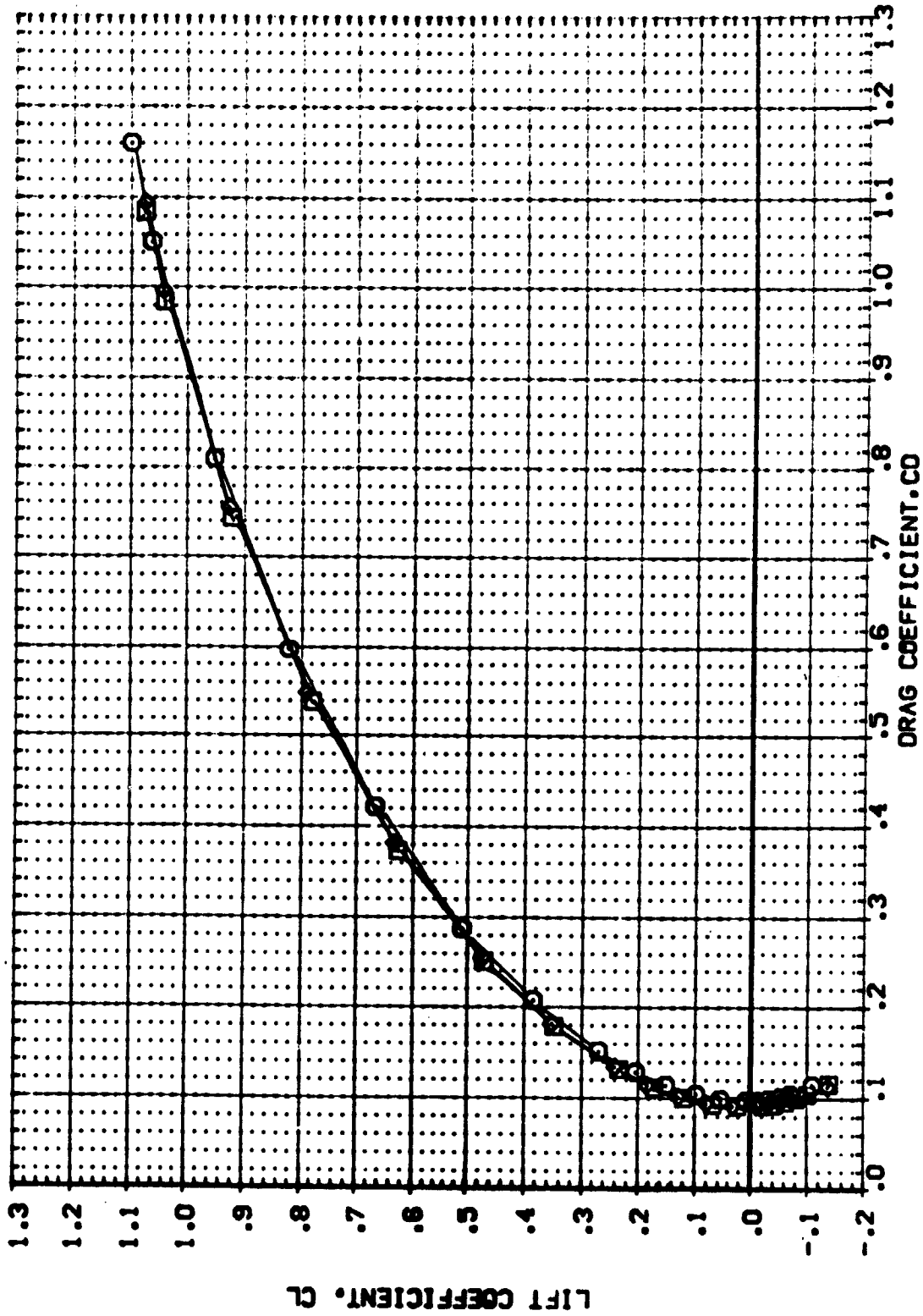
ELEVTR .000  
 .000  
 .000

RUDDER .000  
 .000  
 .000

BOFLAP -14.250  
 -14.250  
 -14.250

SPOBRK 54.920  
 54.920  
 54.920

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP

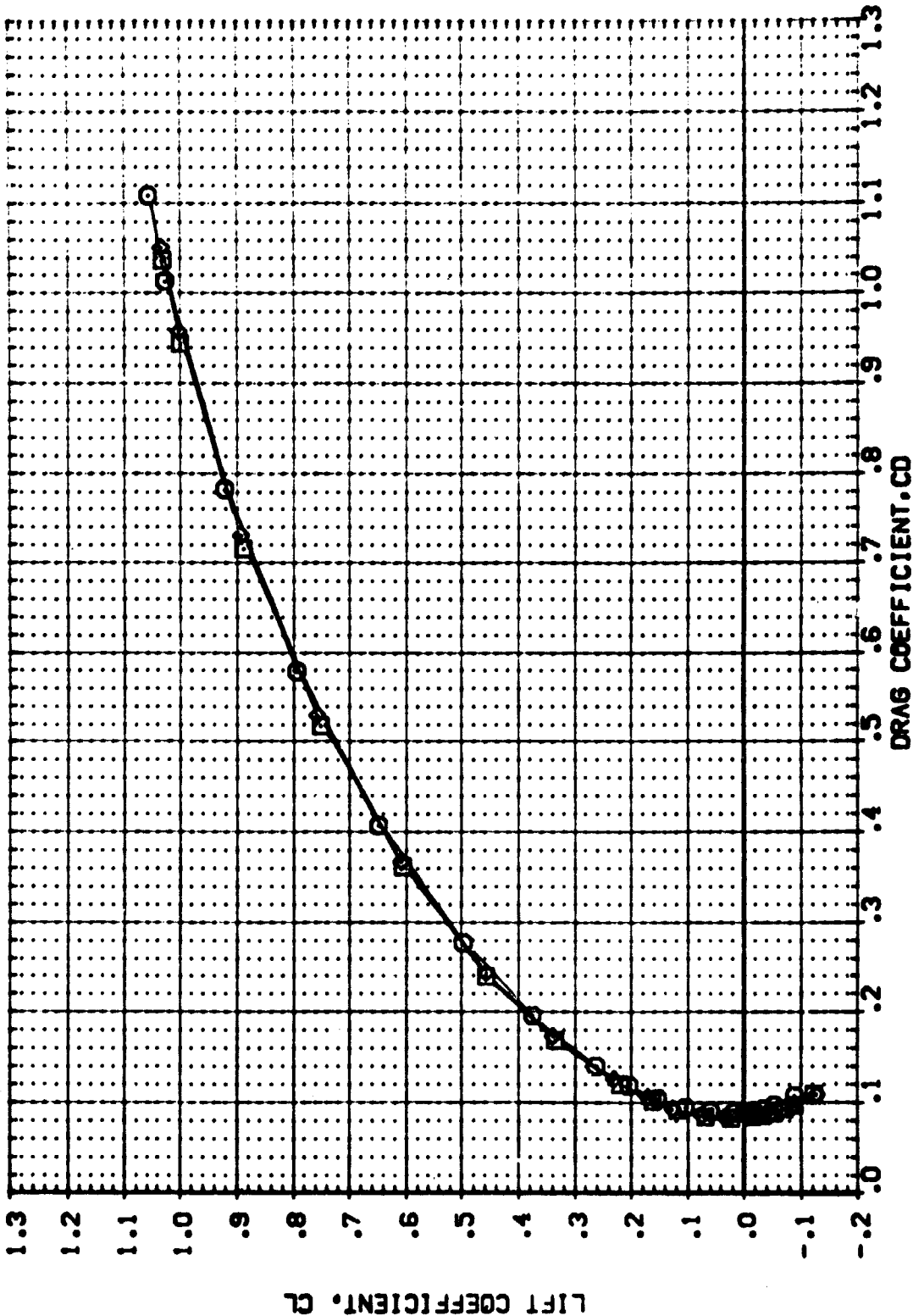
(C)MACH = 3.50

DATA SET SYMBOL: (MNE18) (MNE25) (MNE25)

CONFIGURATION DESCRIPTION:  
 OAH4 LPVT 1035 CONF-2A B10C307KCF41M7E1835V3X18  
 OAH4 LPVT 1035 CONF-2A B15C7E2F3MARS7107X18  
 OAH4 LPVT 1035 CONF-4 B21C7E2F3MARS7107X18

ELEVTR: .000  
 RUDDER: .000  
 BOFLAP: -14.250  
 SPOBRK: 54.920

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP  
 (C)MACH = 4.60

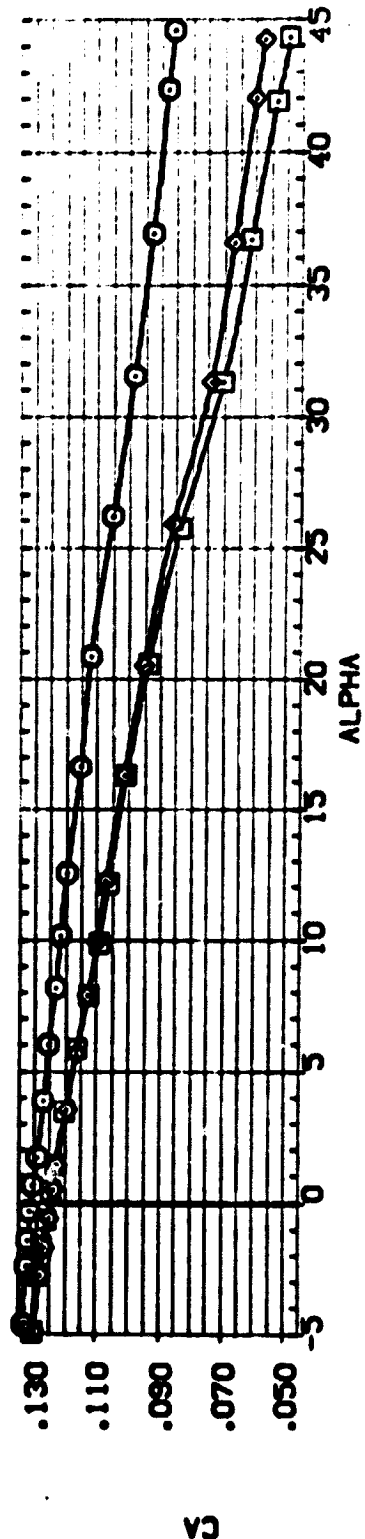
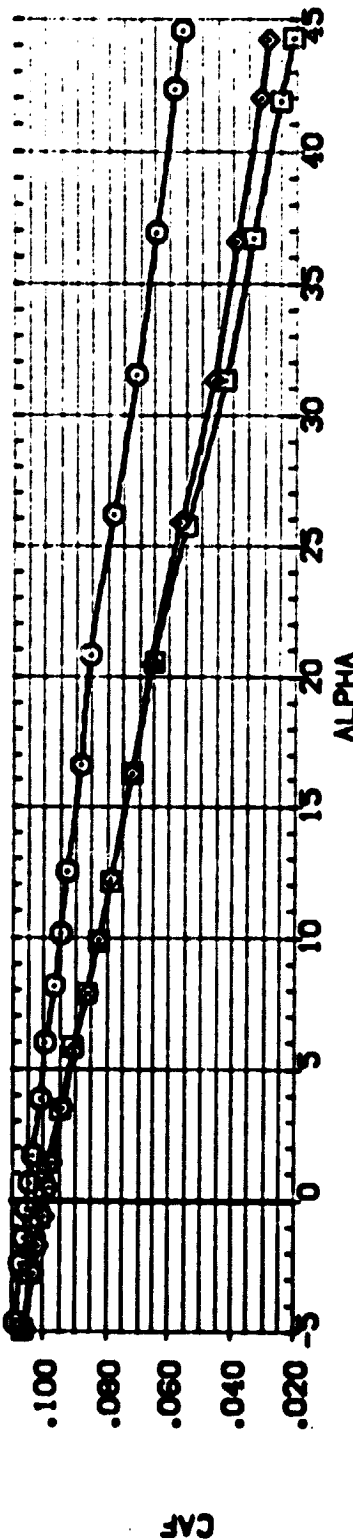
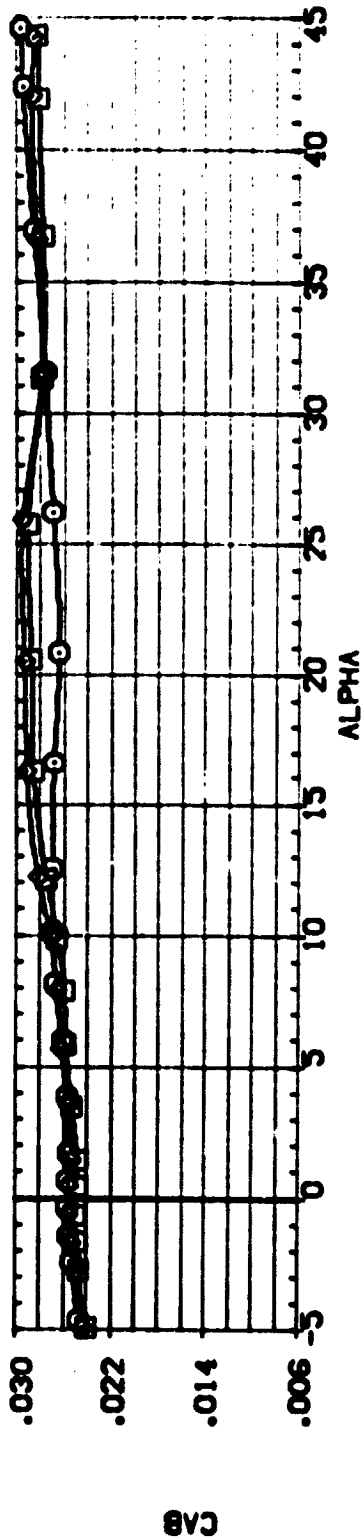


DATA SET SYMBOL CONFIGURATION DESCRIPTION

(B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LL) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MM) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NN) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

ELEVTR RUDDER BDFLAP SPOBRK  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP

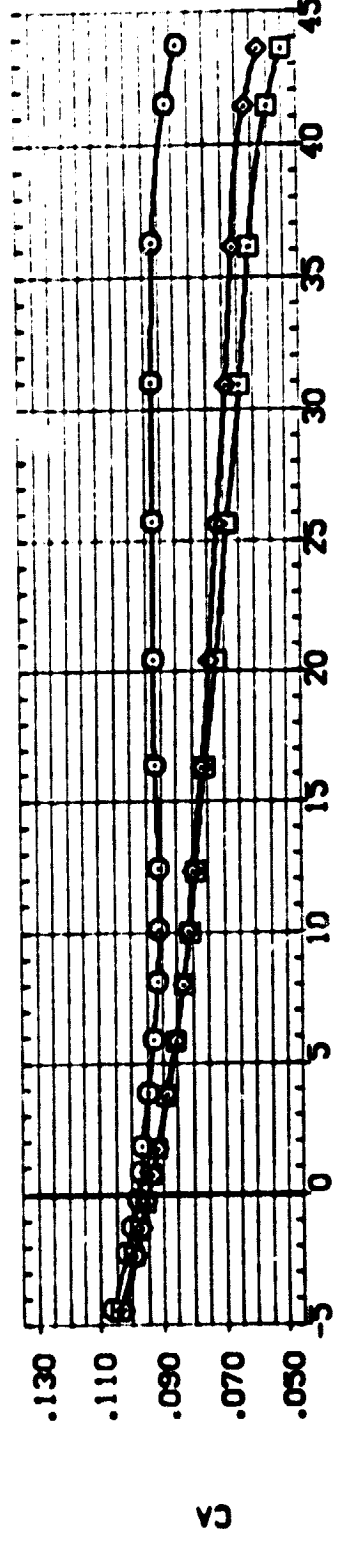
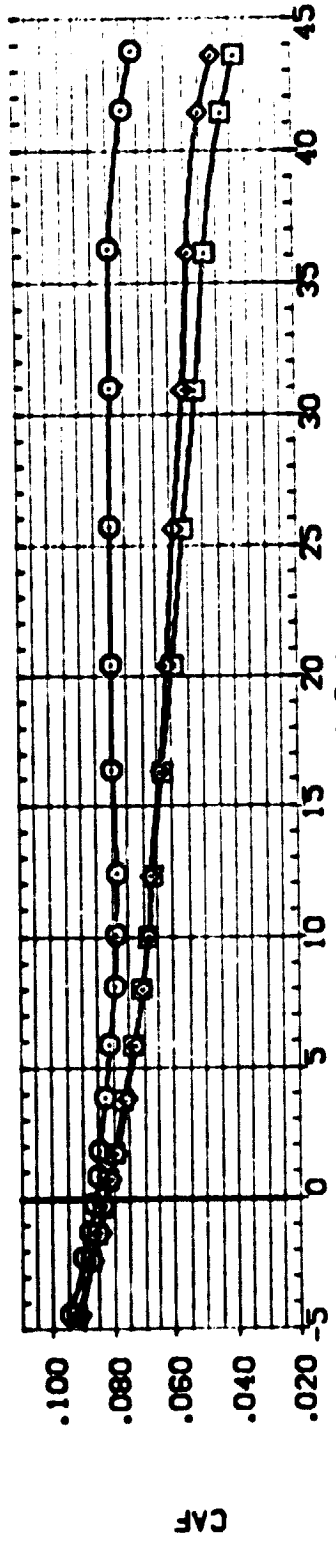
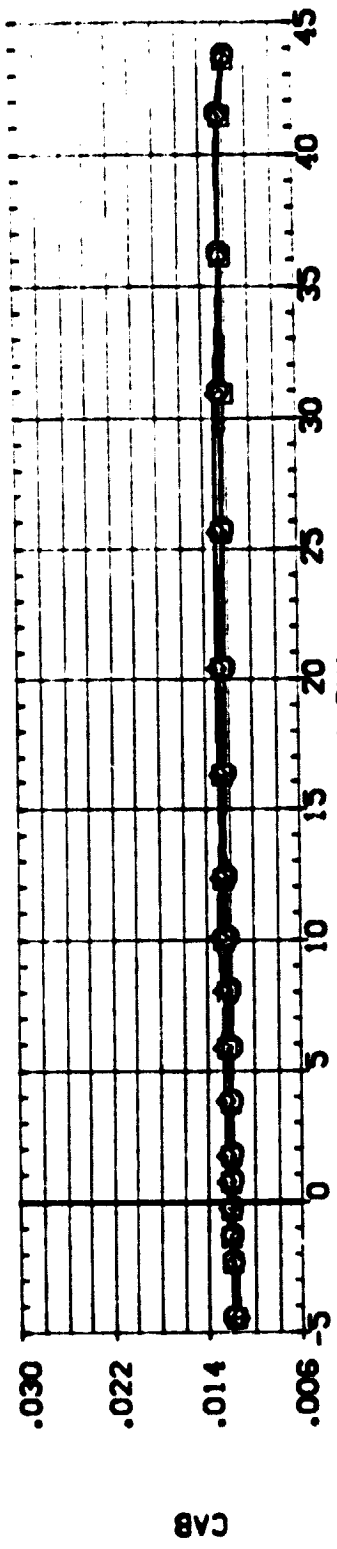
(A) MACH = 2.50

DATA SET SYMBOL: (RHP02) (RHP18) (RHP25)

CONFIGURATION DESCRIPTION: DATA UPT 1035 CONF-2A B10C3070CF4WTE1885VX18  
 DATA UPT 1035 CONF-4 B19C7E23S4MAGV7107A18  
 DATA UPT 1035 CONF-1 B21C7E23S4MAGV7107A18

ELEVTR RUDDER BOFLAP SPODBK  
 .000 .000 .000 24.920  
 .000 .000 .000 54.920  
 .000 .000 .000 54.920

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



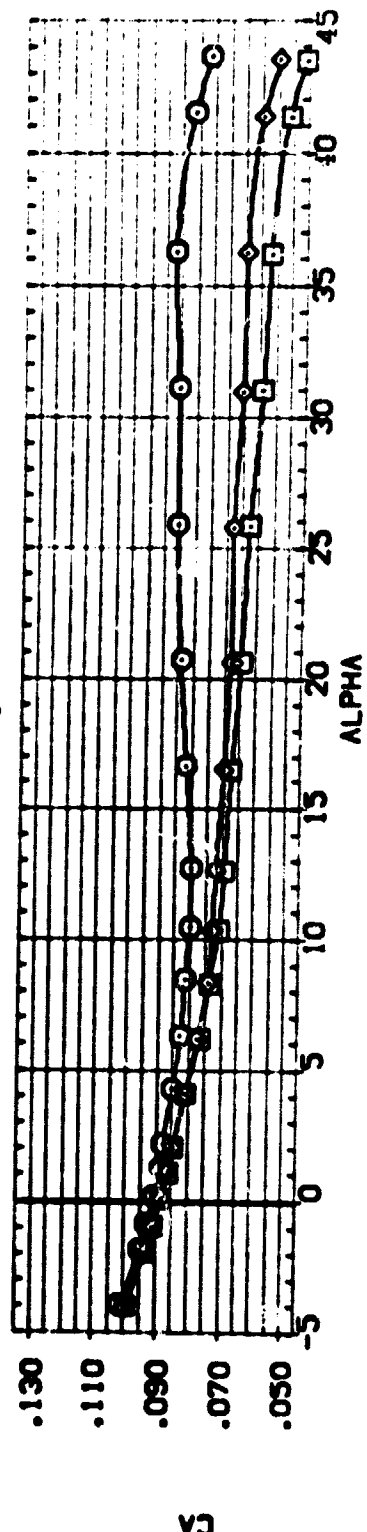
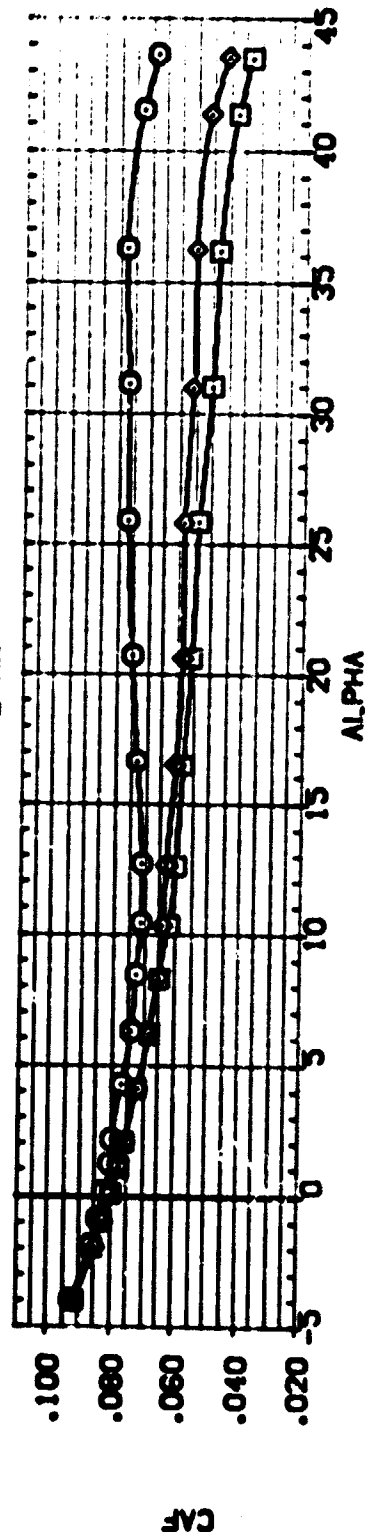
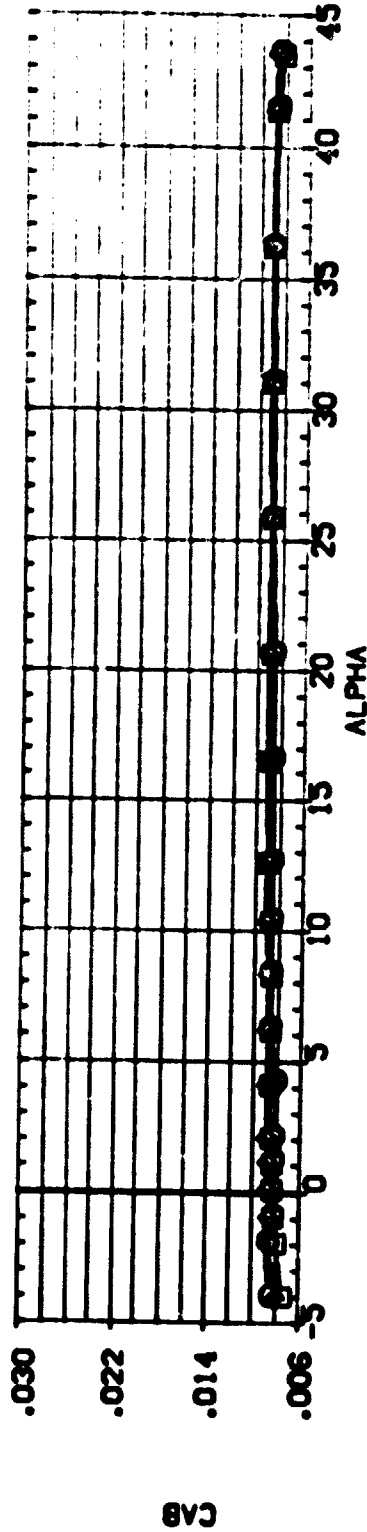
COMPONENT BUILDUP  
 (B)MACH = 3.90



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RPM02) □ DATA UPVT 1005 CONF-2A P. 052070F4V87E1885VX18  
 (RPM18) ○ DATA UPVT 1005 CONF-2A P. 052070F4V87E1885VX18  
 (RPM25) ◇ DATA UPVT 1005 CONF-4 B157E23F34M8V7107X18  
 DATA UPVT 1005 CONF-4 B2157E23F34M8V7107X18

ELEVTR .000  
 .000  
 .000  
 RUDDER .000  
 .000  
 .000  
 SDFLAP -14.250  
 -14.250  
 -14.250  
 SPOONK 54.520  
 54.520  
 54.520

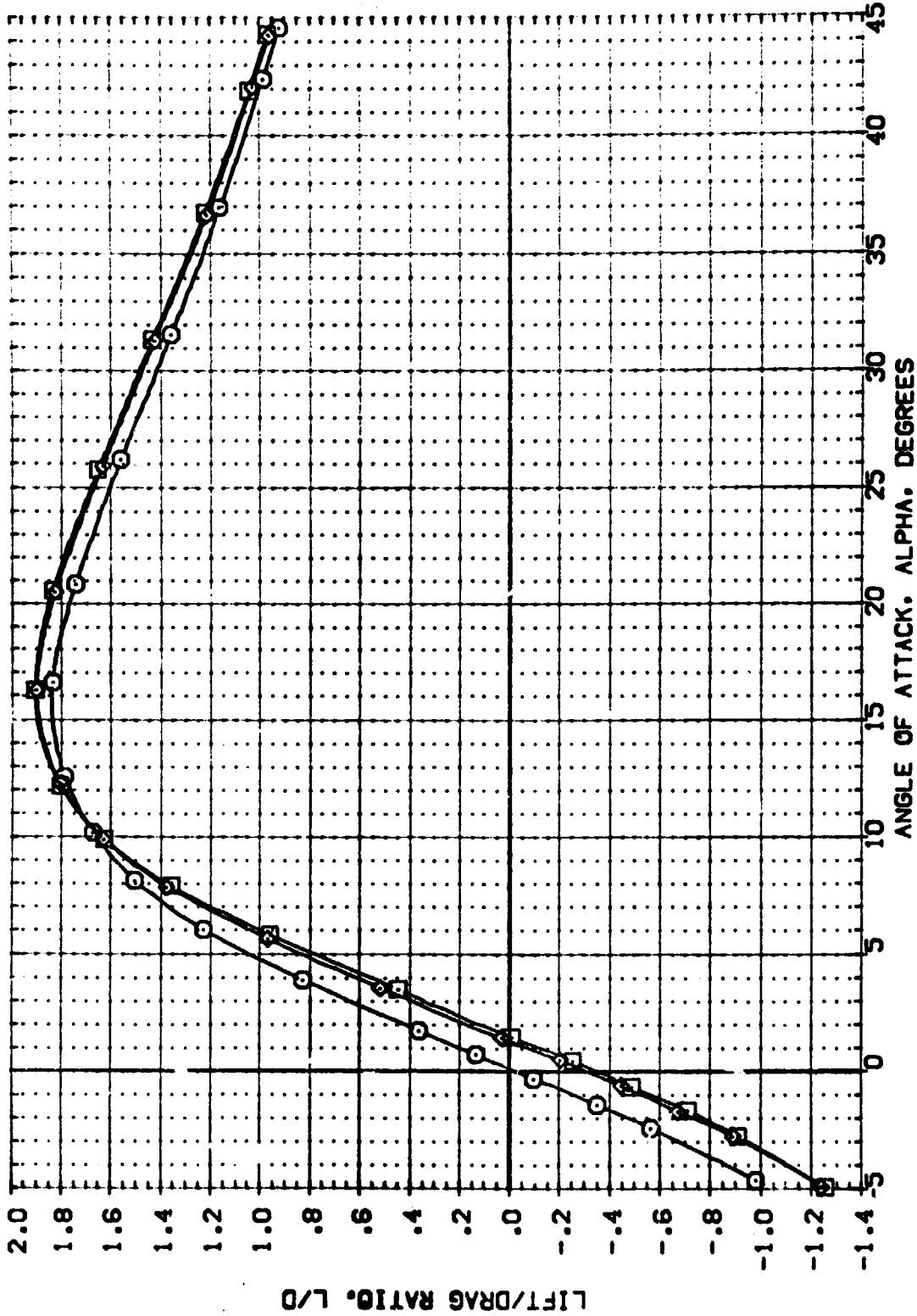
SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP

(C)MACH = 4.60

DATA SET SYMBOL    CONFIGURATION DESCRIPTION    ELEVTR    RUDDER    BOFLAP    SPOBRK    SEE THE ASSOCIATED DATA  
 (RPNP02)    0A44 UPVT 1035 CONY-2A B10C507MGFAV87E1S7SV5X18    .000    .000    -14.250    54.920    DOCUMENT FOR REFERENCE  
 (RPNP19)    0A44 UPVT 1035 CONY-4    B19C7E23F5MARS7N107X18    .000    .000    -14.250    54.920    CHARACTERISTICS FOR  
 (RPNP25)    0A44 UPVT 1035 CONY-4    B21C7E23F5MARS7N107X18    .000    .000    -14.250    54.920    INDIVIDUAL DATASETS

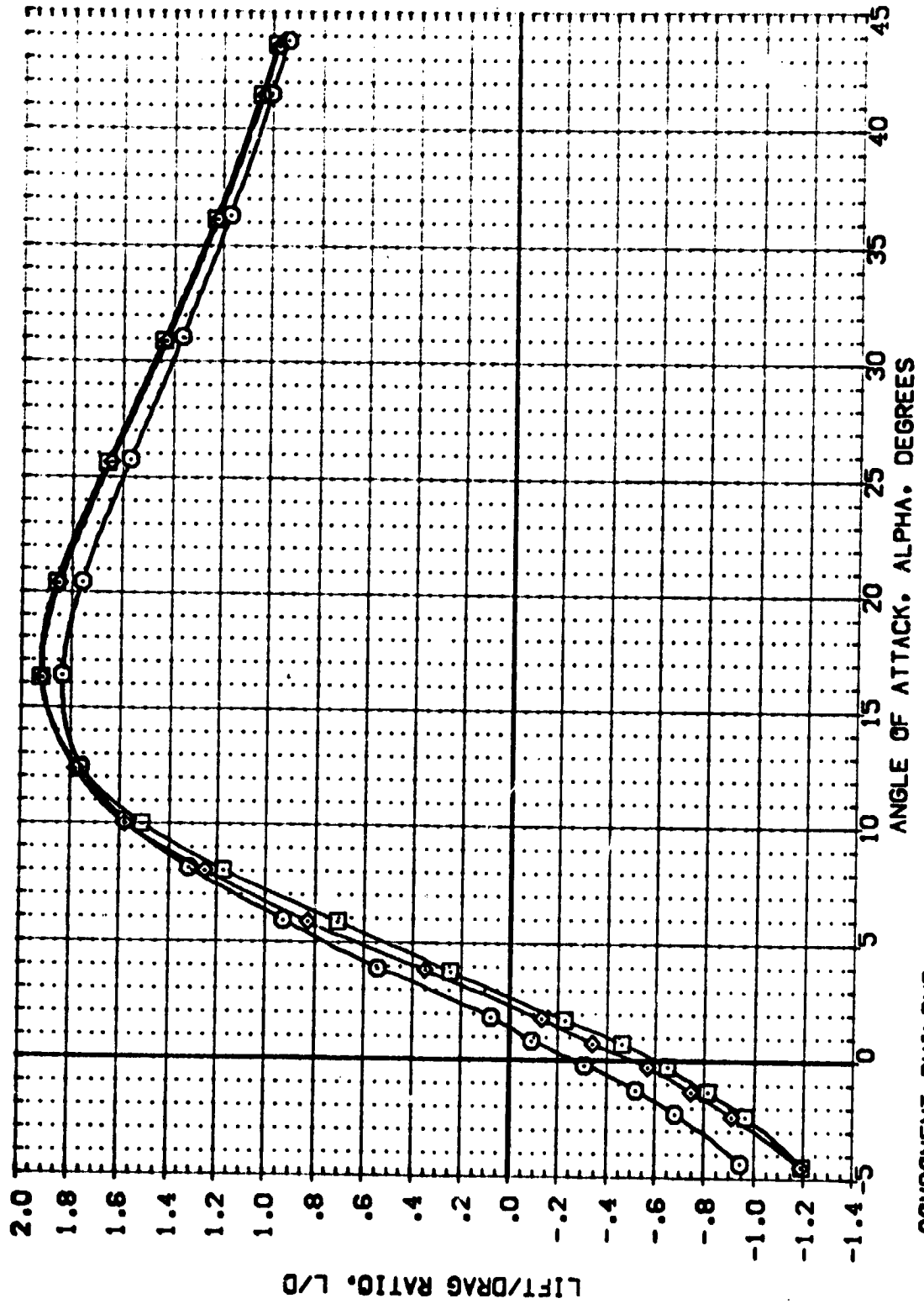


COMPONENT BUILDUP

(A)MACH = 2.50



DATA SET SYMBOL:  $\square$  CONFIGURATION DESCRIPTION: 81003070F1487E1898VX18  
 (RAMP02) 0A44 LPVT 1035 CONF-2A 81003070F1487E1898VX18  
 (RAMP18) 0A44 LPVT 1035 CONF-4 81003070F1487E1898VX18  
 (RAMP25) 0A44 LPVT 1035 CONF-4 821C7E22F54RSV7V107X18



SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

ELEVTR RUDDER BOFLAP SPDWRK  
 .000 .000 -14.250 54.520  
 .000 .000 -14.250 54.520  
 .000 .000 -14.250 54.520

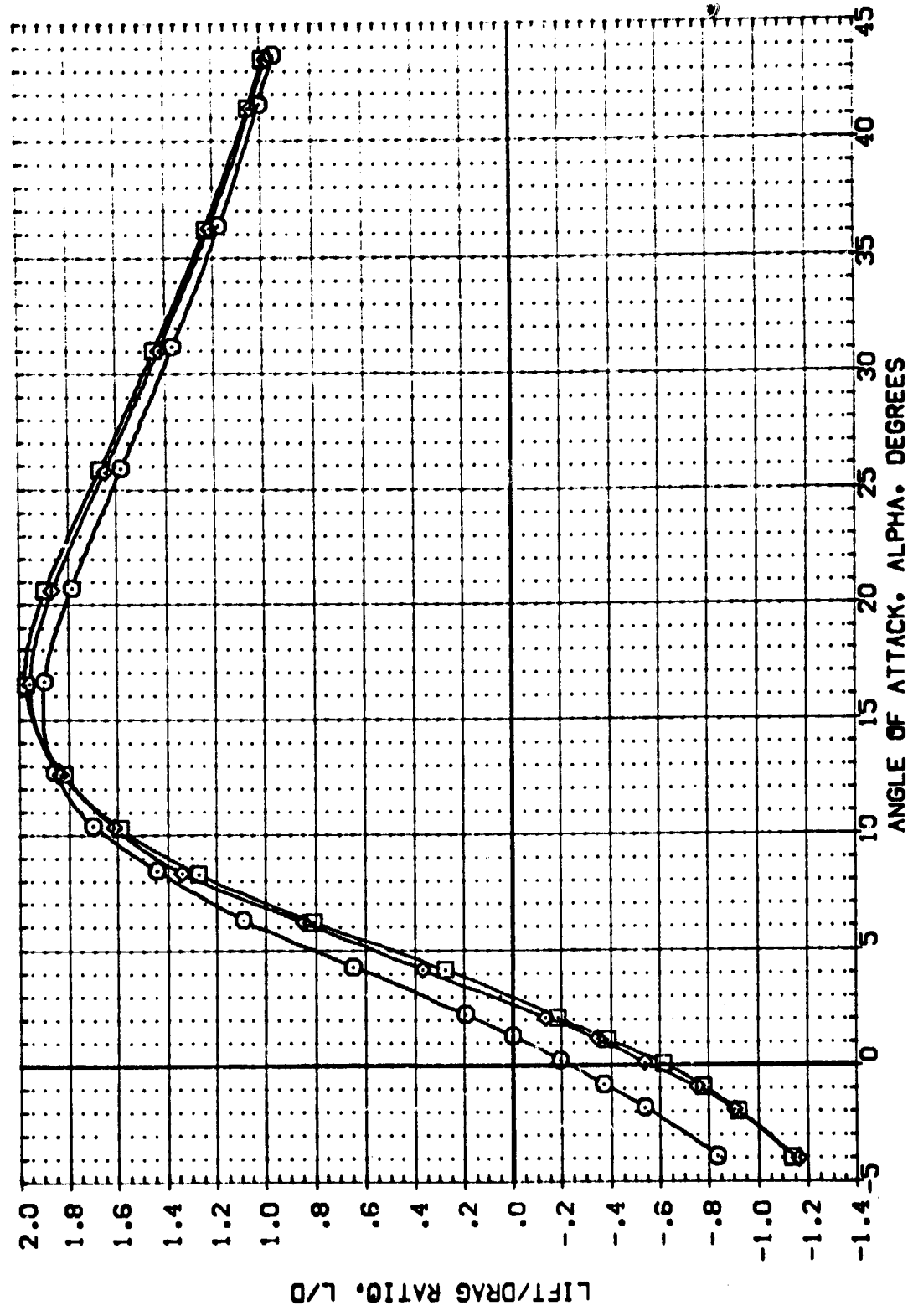
COMPONENT BUILDUP  
 (B)MACH = 3.90

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

SPOBRK 54.920  
 BDFLAP 54.920  
 ELEVTR .000  
 RUDDER .000  
 ROLDR .000

CONF4 B21C7E23F54R5V7N107X18  
 CONF4 B15C7E23F54R5V7N107X18  
 CONF4 B10C5D7M3F4V87E18R5V3X18

DATA SET SYMBOL  
 (RPAF02) □  
 (RPAF18) ○  
 (RPAF25) ◇



COMPONENT BUILDUP  
 (CJ)MACH = 4.60

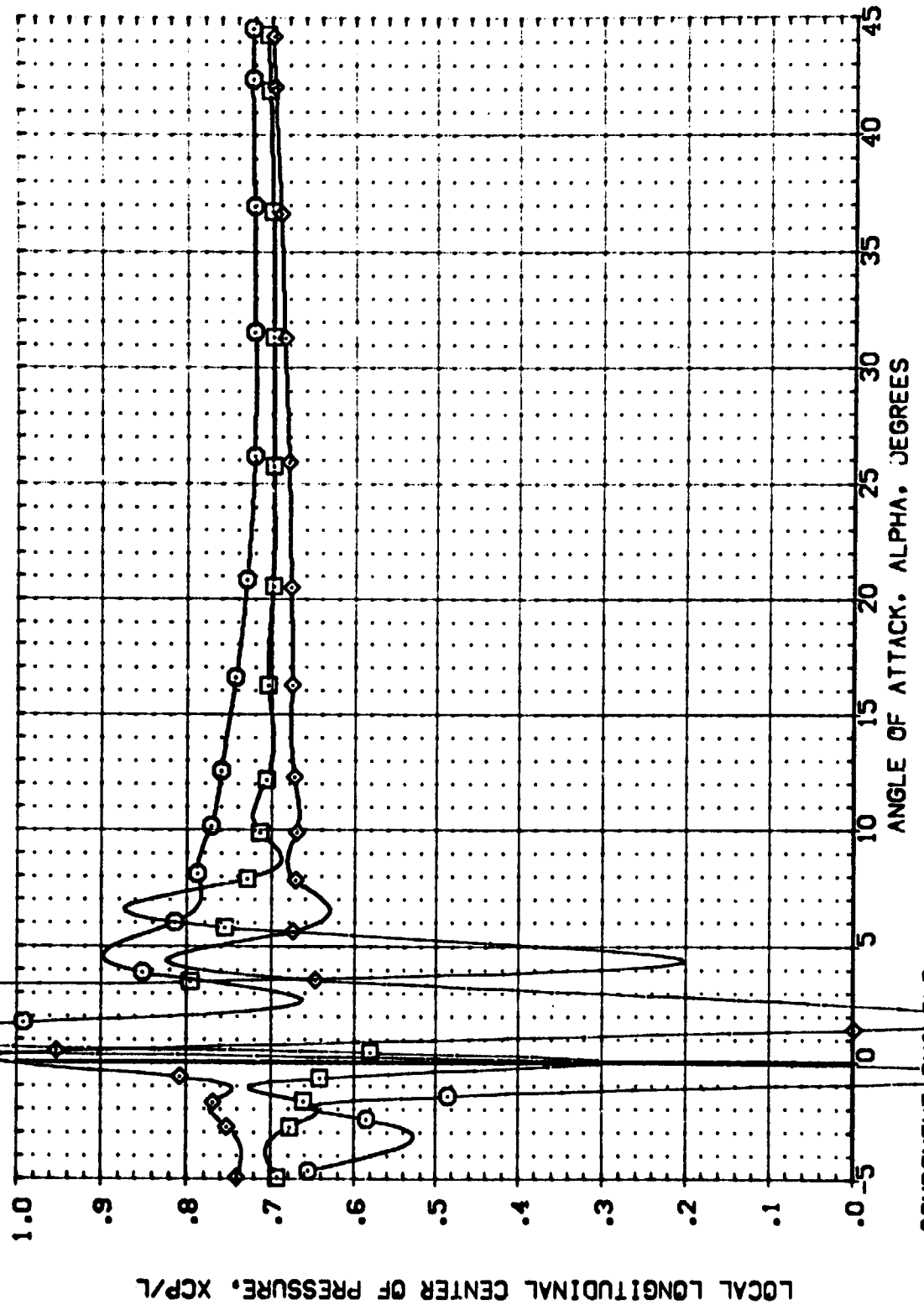


SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

ELEVTR RUDDER BOFLAP SPOBRK  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920

CONFIGURATION DESCRIPTION  
 0A44 UPV 1085 CONF-2A B10C507MG-4V87E18RSVX16  
 0A44 UPV 1085 CONF-1 B15C7E23F5M4RSV7V107X16  
 0A44 UPV 1085 CONF-1 B21C7E23F5M4RSV7V107X16

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RPA02) 0A44 UPV 1085 CONF-2A B10C507MG-4V87E18RSVX16  
 (RPA19) 0A44 UPV 1085 CONF-1 B15C7E23F5M4RSV7V107X16  
 (RPA25) 0A44 UPV 1085 CONF-1 B21C7E23F5M4RSV7V107X16

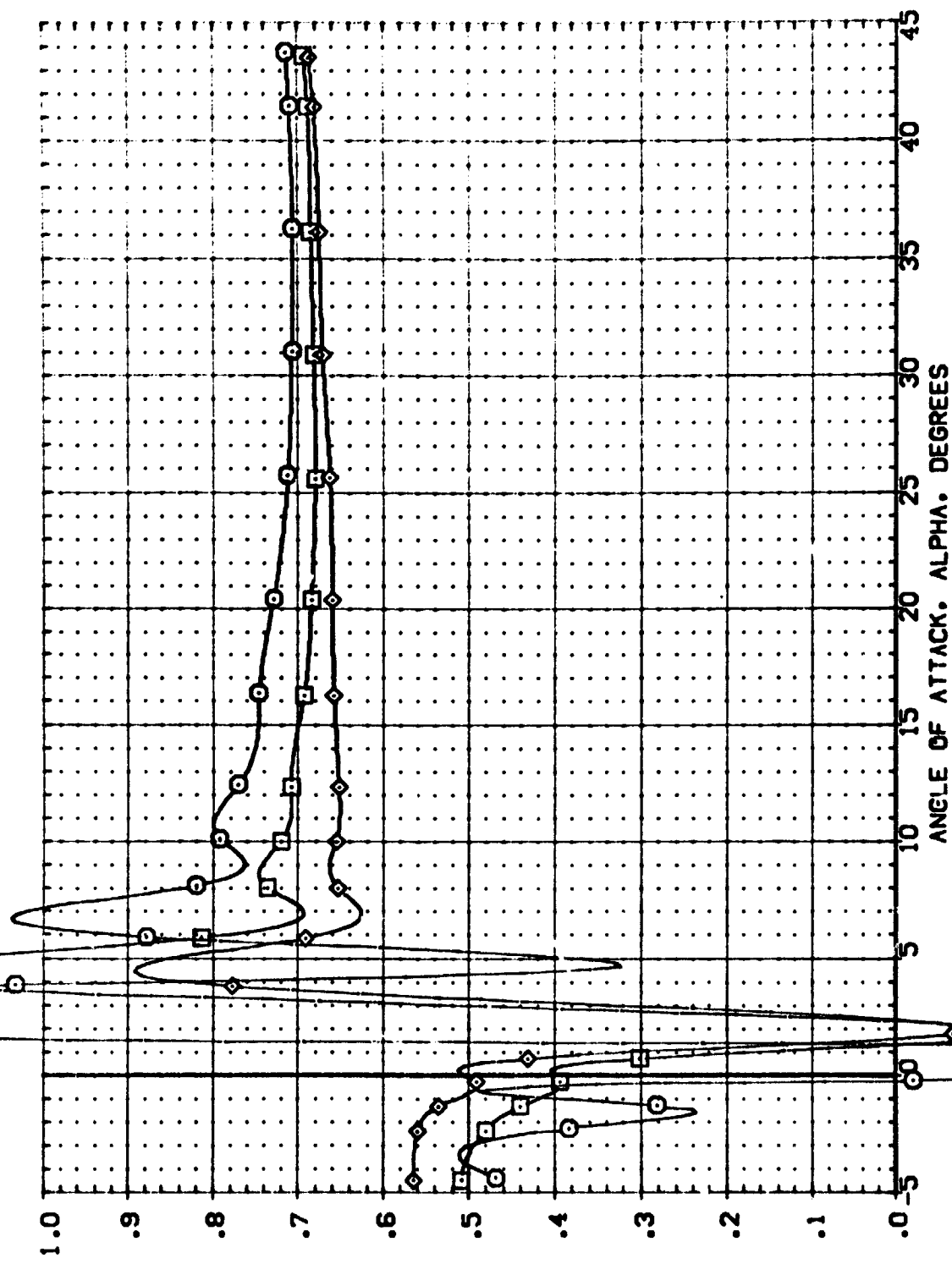


COMPONENT BUILDUP  
 (A)MACH = 2.50

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

ELEVTR RUDDER BOFLAP SPOBRK  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920

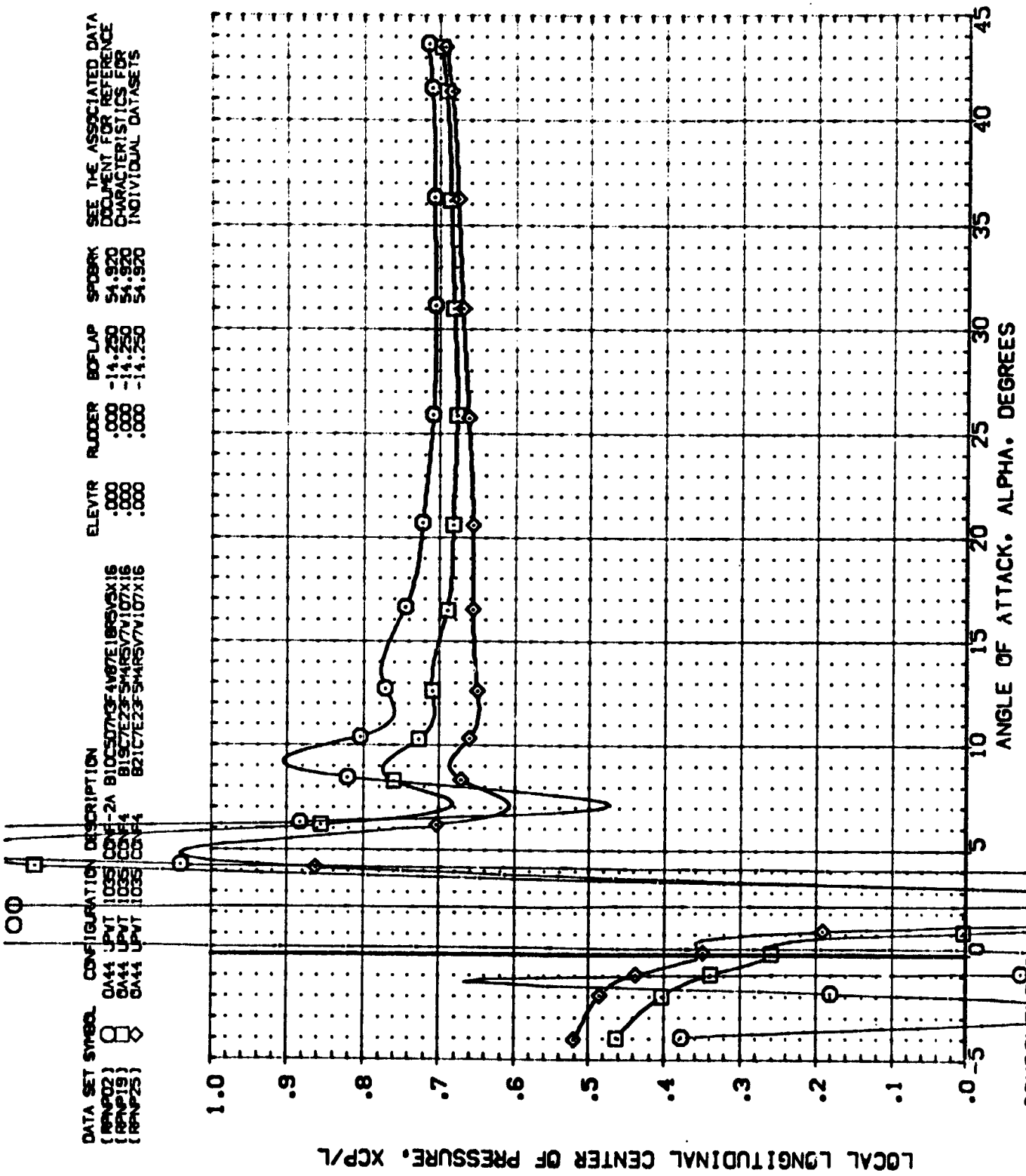
DATA SET SYMBO... CONFIGURATION DESCRIPTION  
 (RNP02) 0A44 UPV 1035 CNF-2A B10C907MGF4B67E18R5VX18  
 (RNP19) 0A44 UPV 1035 CNF4 B19C7E23F5M4R5V7107X18  
 (RNP25) 0A44 UPV 1035 CNF4 B21C7E23F5M4R5V7107X18



LOCAL LONGITUDINAL CENTER OF PRESSURE, XCP/L

ANGLE OF ATTACK, ALPHA, DEGREES

COMPONENT BUILDUP  
 (B)MACH = 3.90



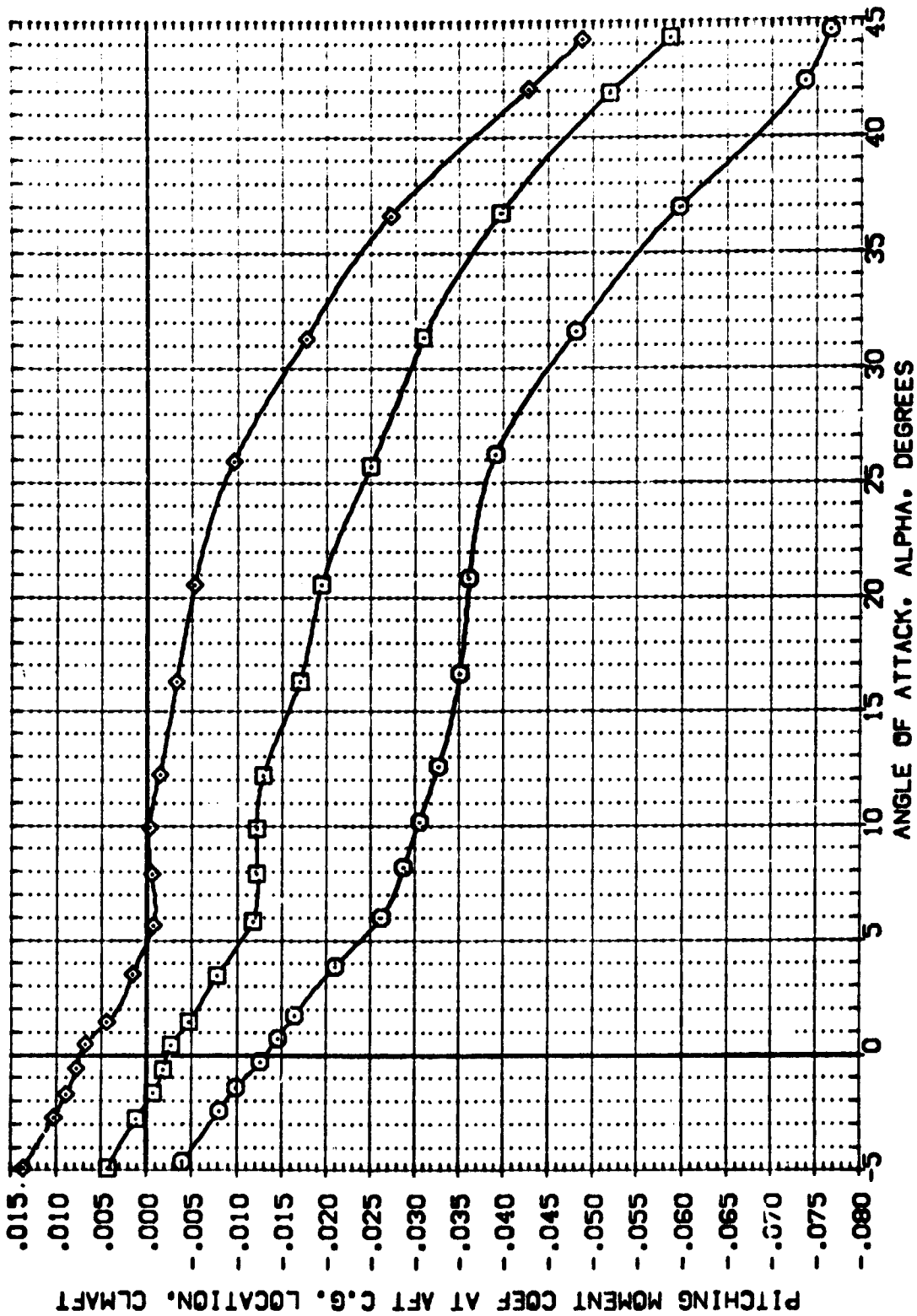
DATA SET SYMBL. CONFIGURATION DESCRIPTION

{FNZ02}	0A44	UPVT	1005	CONF-2A	B1002070F4V87E18R8V5X18
{FNZ18}	0A44	UPVT	1005	CONF-4	B1007E23F54R8V7V107X18
{FNZ25}	0A44	UPVT	1005	CONF-4	B2107E23F54R8V7V107X18

ELEVTR RUDDER BOFLAP SPOBRK

.000	.000	-14.250	54.920
.000	.000	-14.250	54.920
.000	.000	-14.250	54.920

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

SPOBRK 54.900  
54.900  
54.900

BDFLAP -14.250  
-14.250  
-14.250

RUDDER .000  
.000  
.000

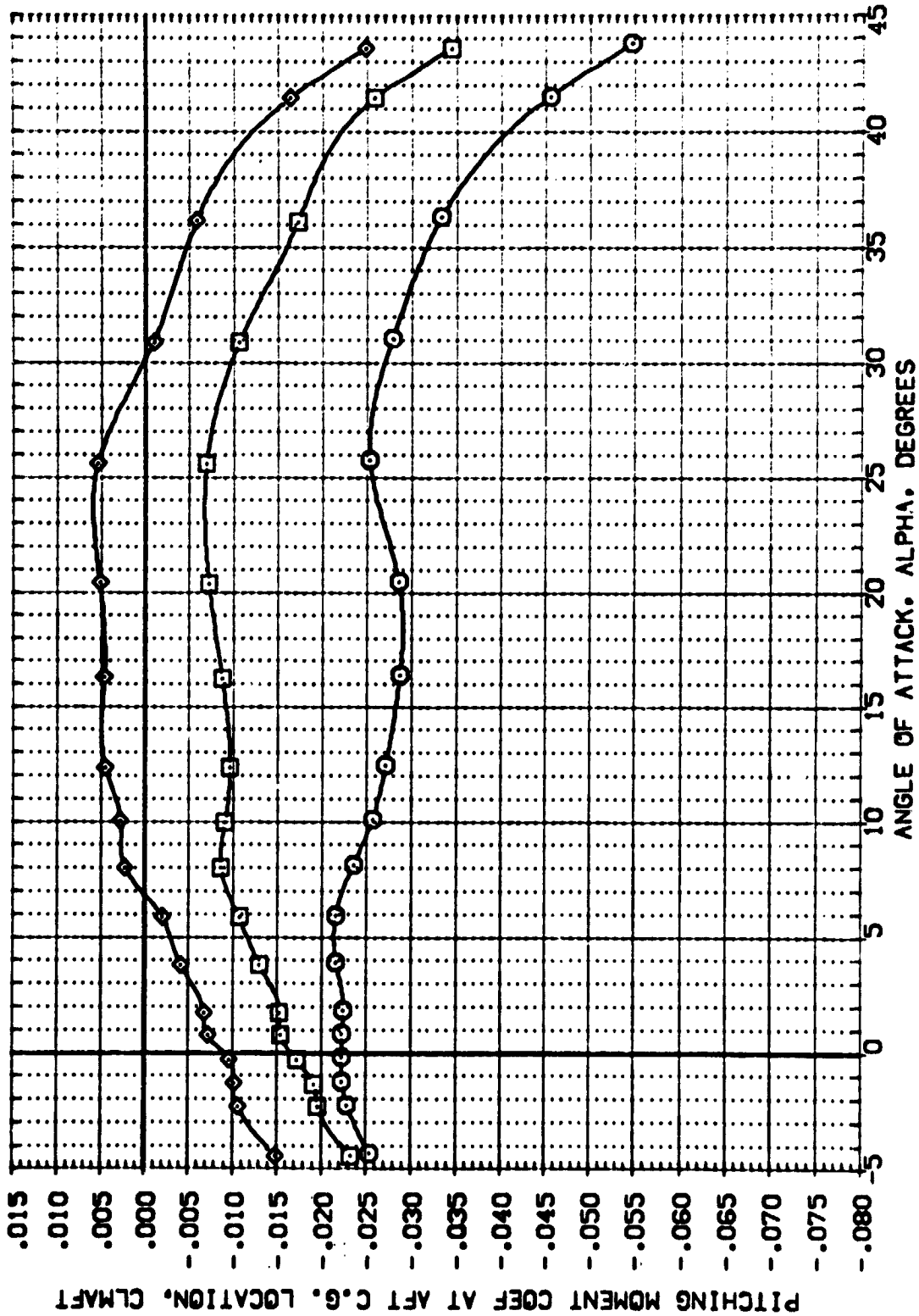
ELEVTR .000  
.000  
.000

CONF. 1 810C870CF4187E188V8X18  
CONF. 2 819C7E23F3468V7107X18  
CONF. 3 821C7E23F3468V7107X18

CONF. 4 821C7E23F3468V7107X18

CONF. 1 810C870CF4187E188V8X18  
CONF. 2 819C7E23F3468V7107X18  
CONF. 3 821C7E23F3468V7107X18

CONF. 4 821C7E23F3468V7107X18



COMPONENT BUILDUP

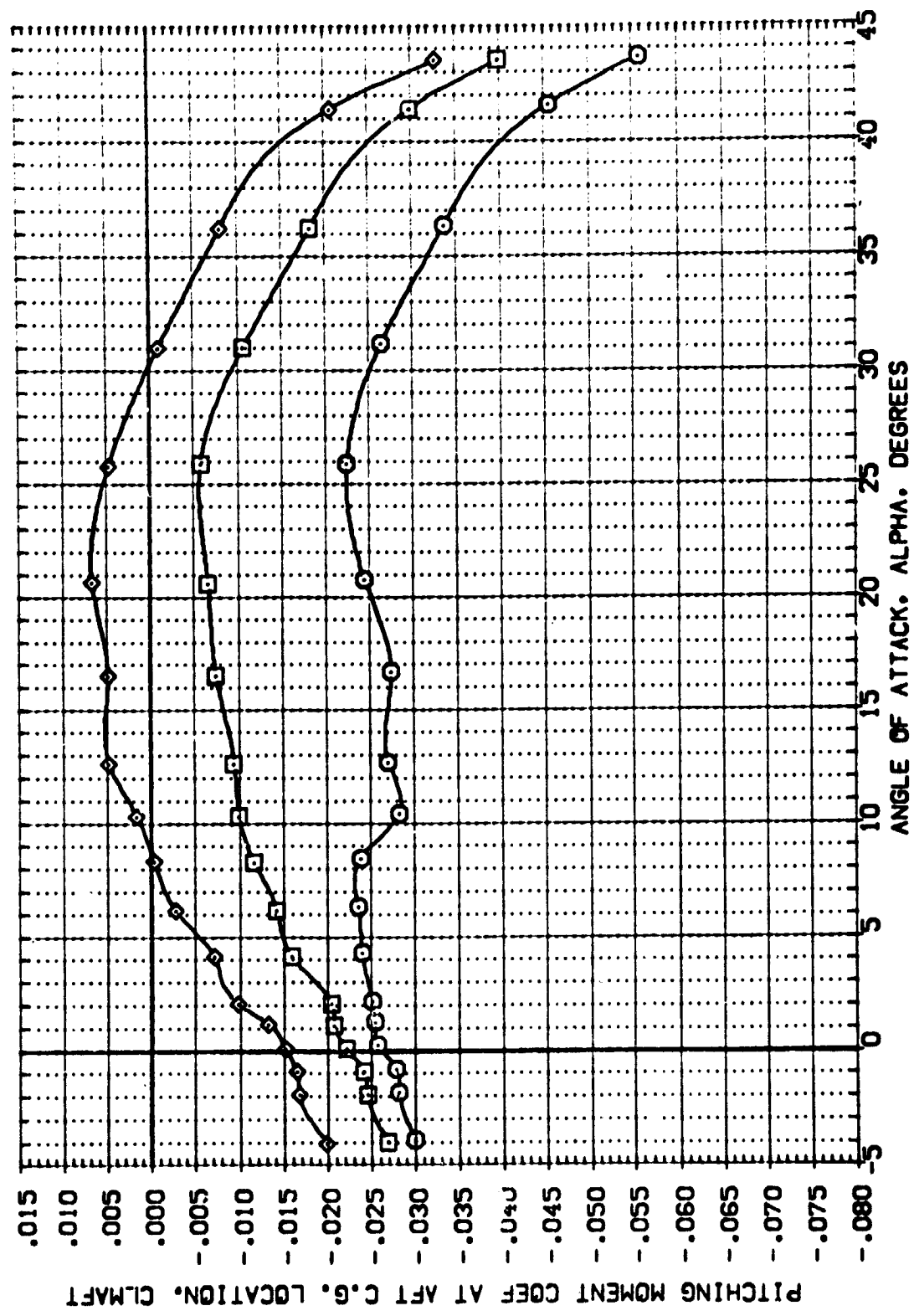
(B)MACH = 3.90

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

SPOBRK 54.920  
 BOFLAP -14.250  
 RUDDER .000  
 ELEVTR .000

CONF 1 1035 CONF-2A B1UC507M3F4M87E18R5VX18  
 CONF 2 1035 CONF-2A B1UC507M3F4M87E18R5VX18  
 CONF 3 1035 CONF-2A B1UC507M3F4M87E18R5VX18  
 CONF 4 1035 CONF-2A B1UC507M3F4M87E18R5VX18

DATA SET SYMBOL (MZN22)  
 (MZN21)  
 (MZN20)  
 (MZN19)  
 (MZN18)  
 (MZN17)  
 (MZN16)  
 (MZN15)  
 (MZN14)  
 (MZN13)  
 (MZN12)  
 (MZN11)  
 (MZN10)  
 (MZN9)  
 (MZN8)  
 (MZN7)  
 (MZN6)  
 (MZN5)  
 (MZN4)  
 (MZN3)  
 (MZN2)  
 (MZN1)



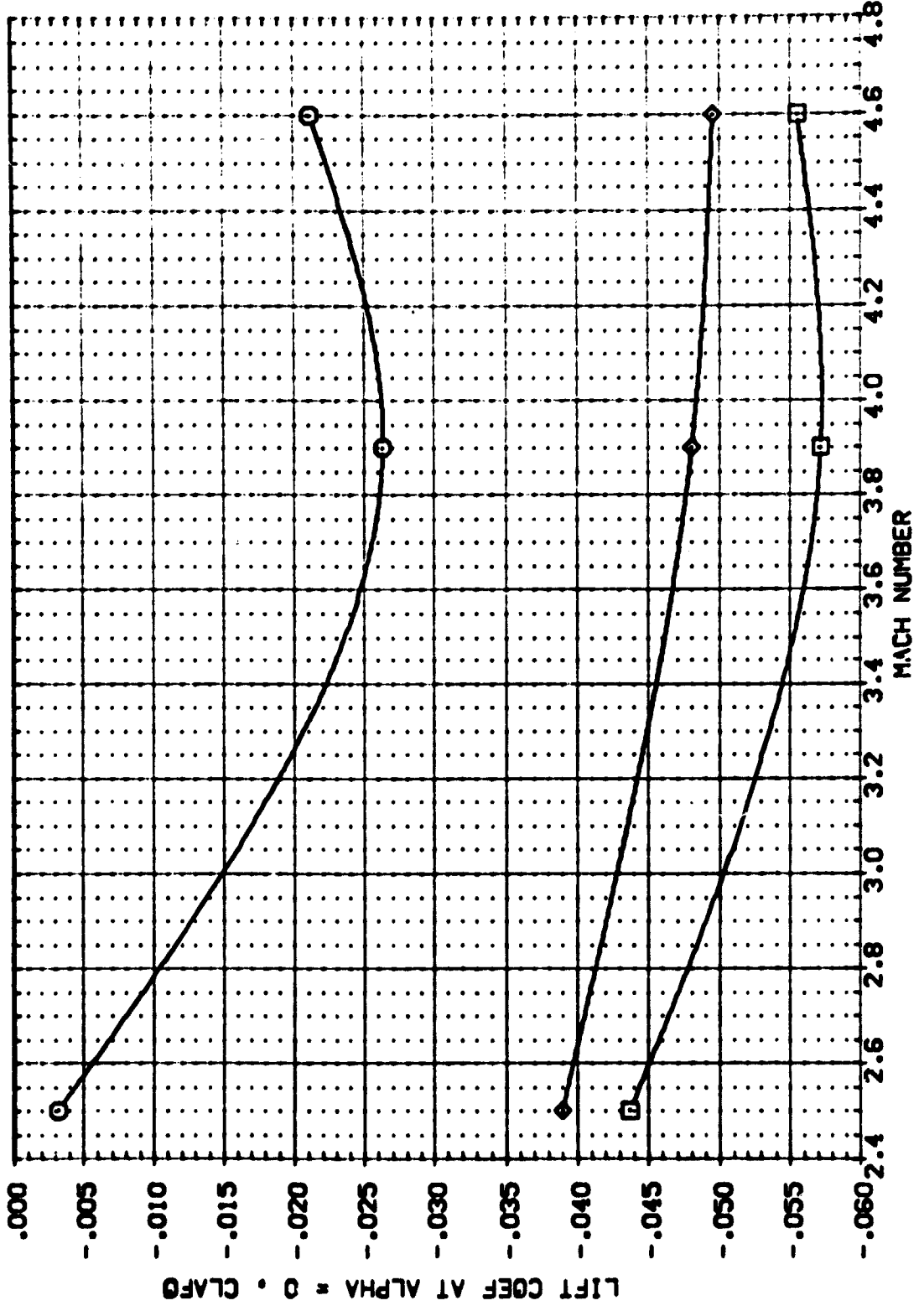
COMPONENT BUILDUP  
 (C)MACH = 4.60



DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (MNF02) 0A44 UPVT 1035 CONF-2A B10C507KGF4V87E18RSV5X16  
 (RNF19) 0A44 UPVT 1035 CONF4 B157E23F34RSV7V107X16  
 (RNF23) 0A44 UPVT 1035 CONF4 B2107E23F34RSV7V107X16

ELEVTR RUDDER BODY LAP SPOBRK  
 .000 .000 -14.250 54.520  
 .000 .000 -14.250 54.520

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

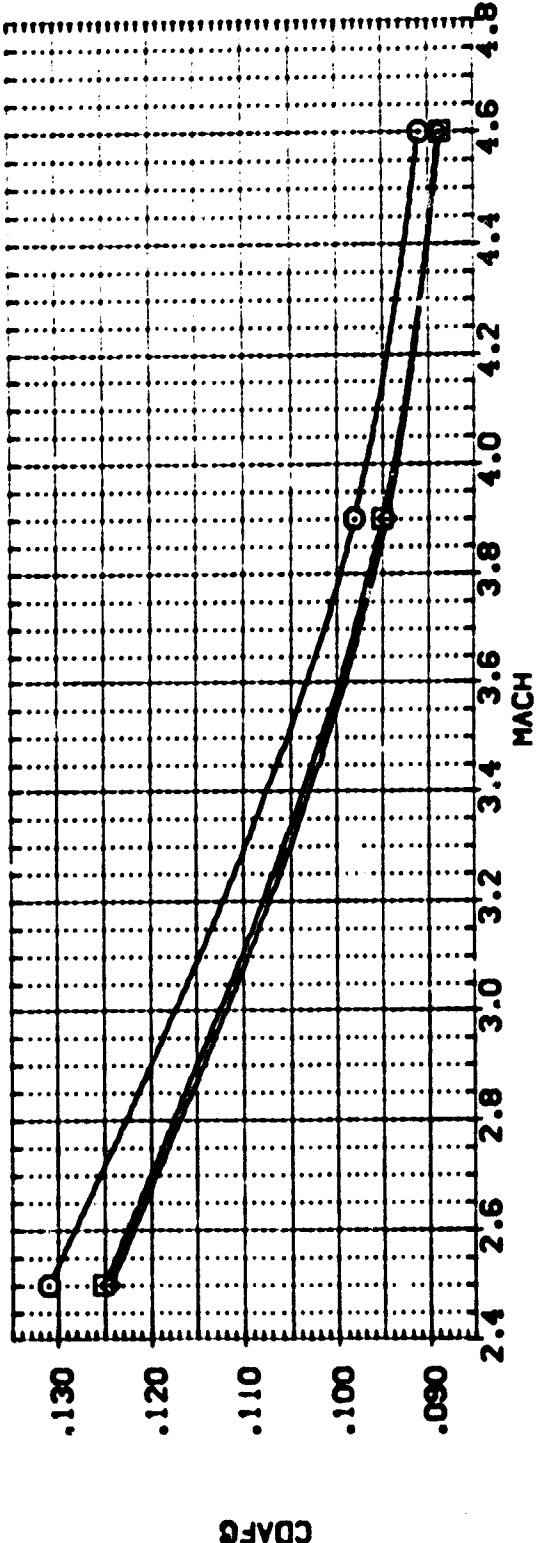
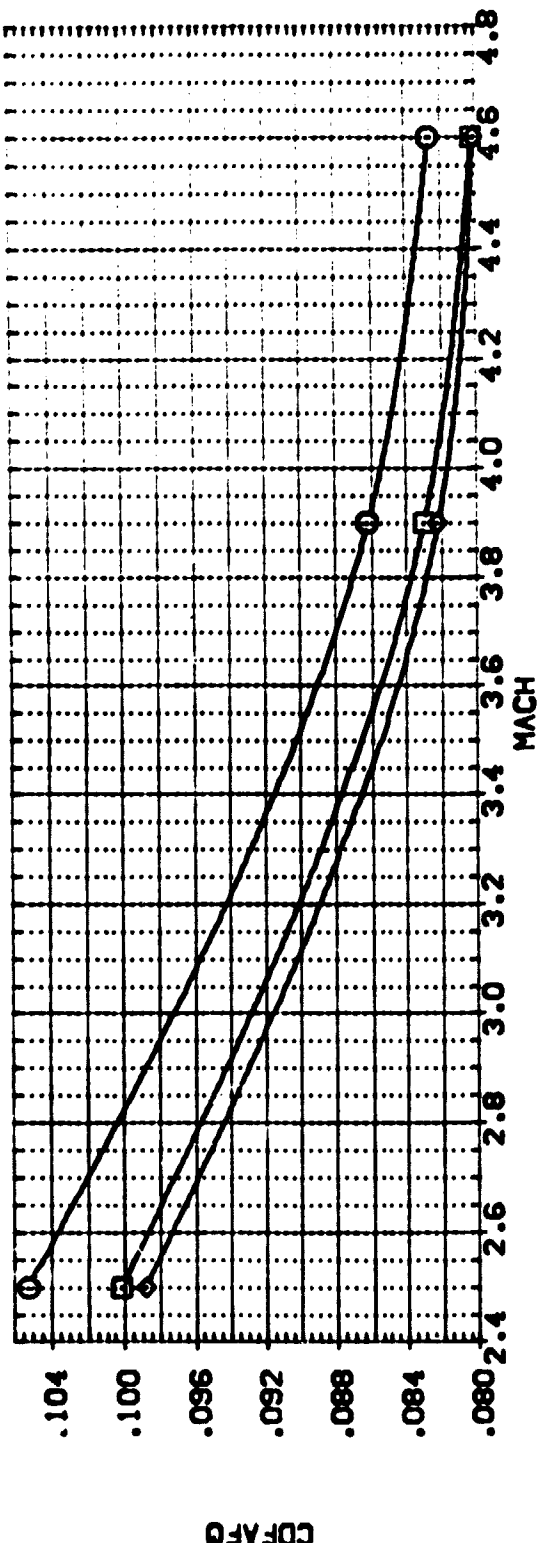


COMPONENT BUILDUP

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNF02) 0444 UPVT 1035 CONF-2A 810C3070F4M7E18M5X18  
 (RNF19) 0444 UPVT 1035 CONF4 819C7E2F3MARSV7107X18  
 (RNF25) 0444 UPVT 1035 CONF4 821C7E2F3MARSV7107X18

ELEVTR RUDDER BDFLAP SPOBRK  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920  
 .000 .000 -14.250 54.920

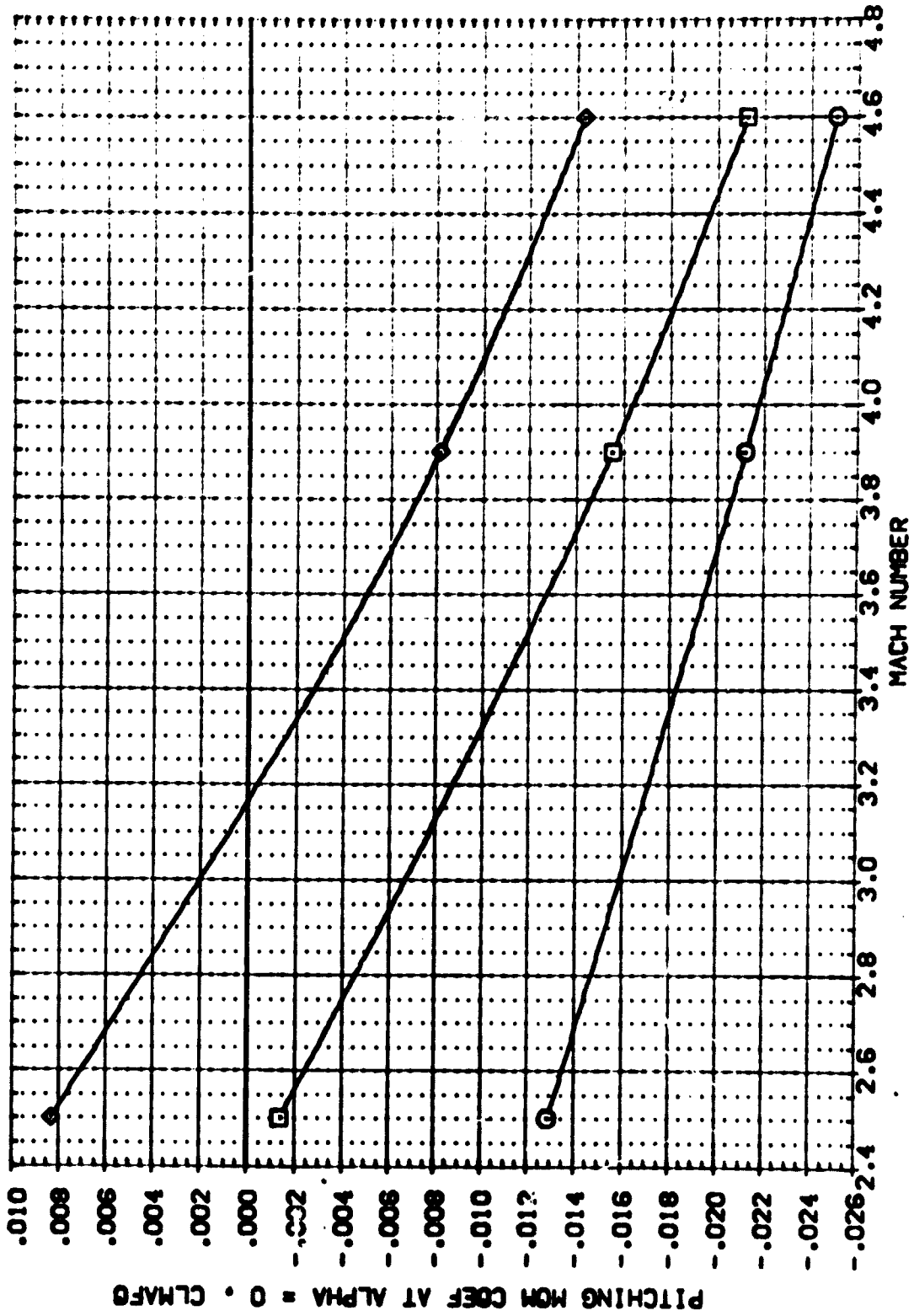
SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{RNF02}	DA44 UNVT 1005 CONF-2A B10C507MDF4V8TE1085VX18	ELEVTR	FLOORR	BDFLAP	SPDRNK	SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS
{RNF19}	DA44 UNVT 1005 CONF-4 B19C7E23F5M4RS7V107X18	.000	.007	-14.250	54.520	
{RNF25}	DA44 UNVT 1005 CONF-4 B21C7E23F5M4RS7V107X18	.000	.000	-14.250	54.520	

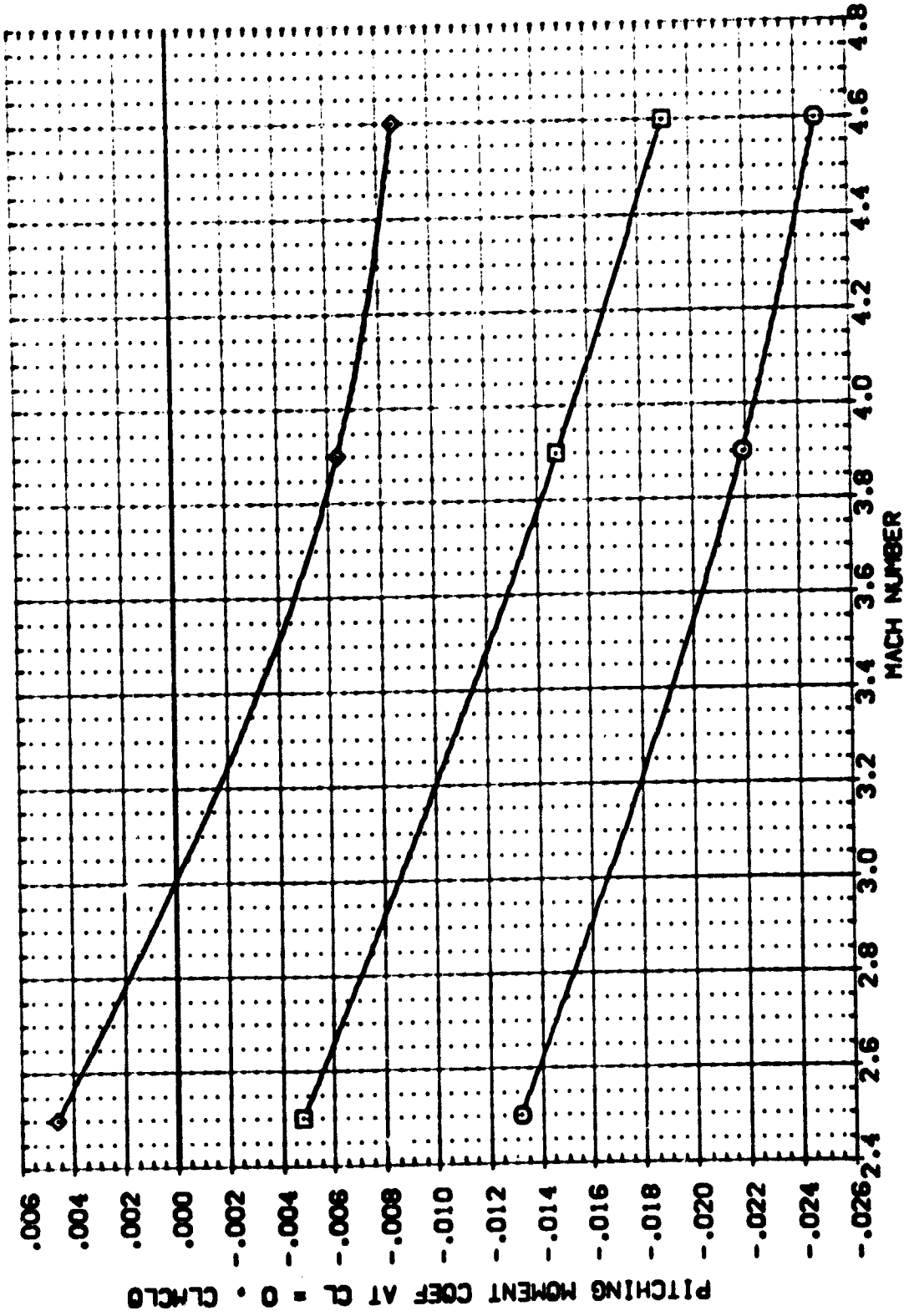


COMPONENT BUILDUP

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (RPN02) 0A44 UPVT 1005 CONF-2A B10C0270F AV07E 18R5N3X18  
 (RPN319) 0A44 UPVT 1005 CONF4 B18C7E23F 34R5N7N107X18  
 (RPN625) 0A44 UPVT 1005 CONF4 B21C7E23F 34R5N7N107X18

ELEVTR RUDDER BOFLAP SPOSRK  
 .000 .000 -14.250 54.520  
 .000 .000 -14.250 54.520  
 .000 .000 -14.250 54.520

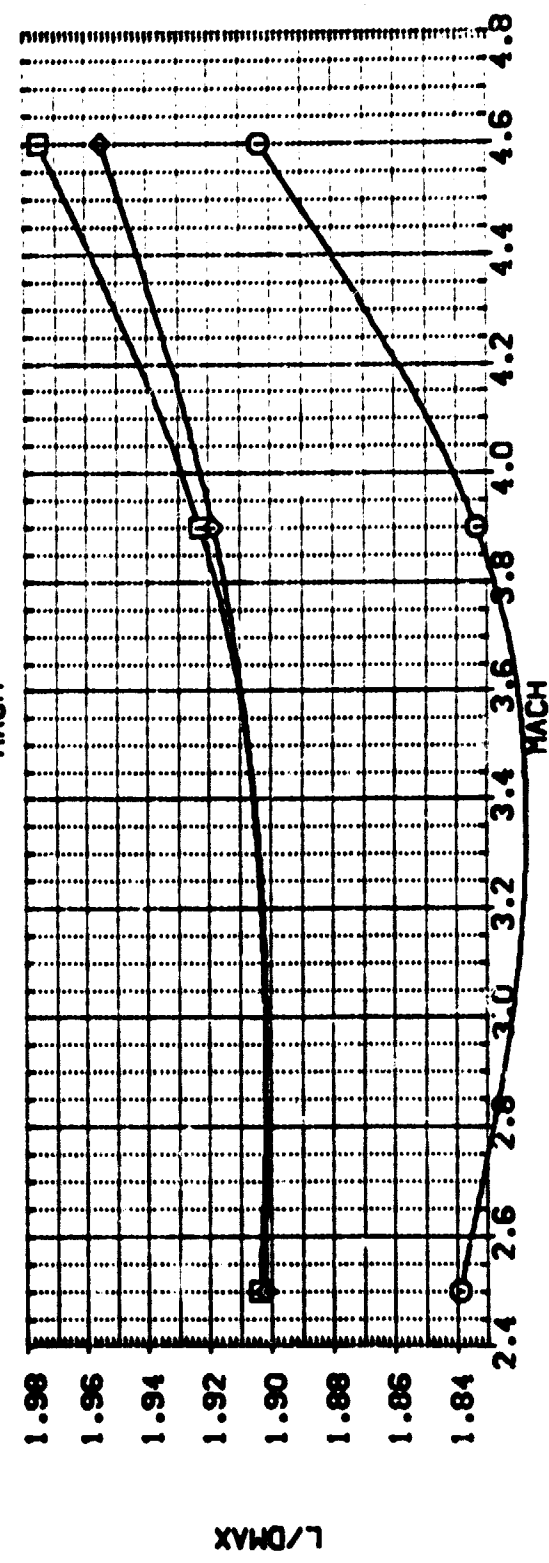
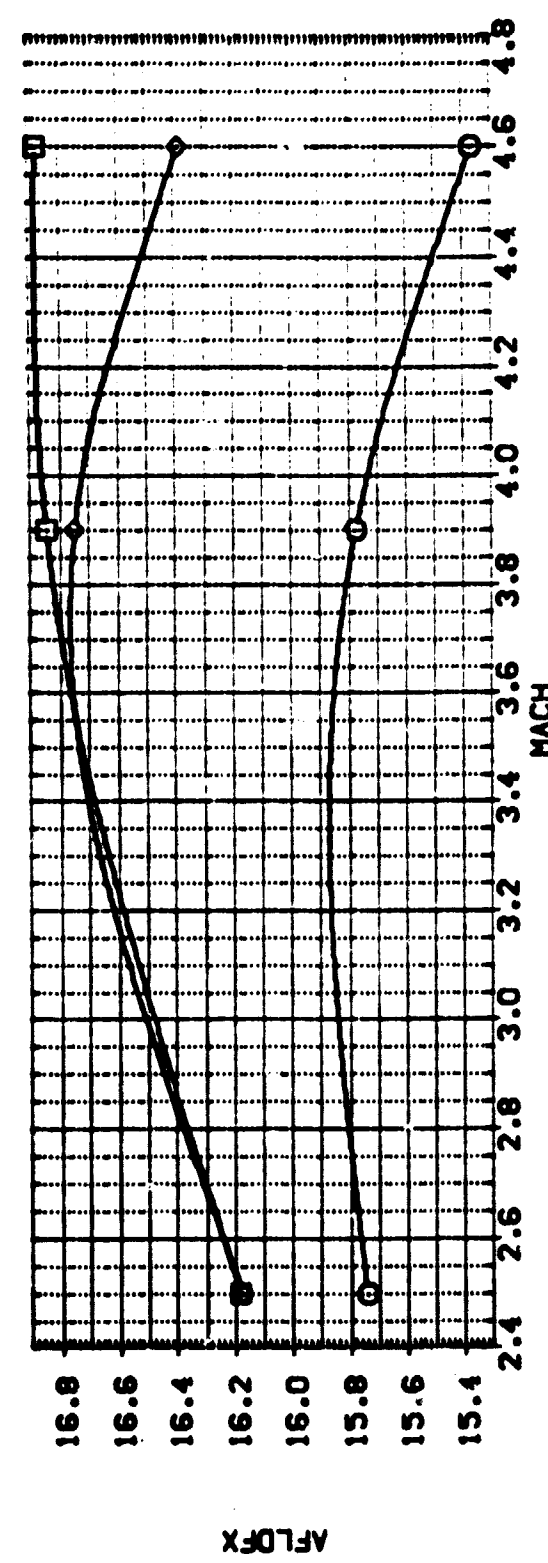
SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP

DATA SET SYMBOL CONFIGURATION DESCRIPTION SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE

(RPT02)	DATA1 UPVT 1035 CONF-2A B10C3070F4107E10R5VX118	ELEVTR	.000	RUDDER	.000	BD/LAP	54.520	SPDRK	54.520
(RPT19)	DATA1 UPVT 1035 CONF4 B15C7E23F54R5V7107X18	ELEVTR	.000	RUDDER	.000	BD/LAP	-14.250	SPDRK	54.520
(RPT25)	DATA1 UPVT 1035 CONF4 B21C7E23F54R5V7107X16	ELEVTR	.000	RUDDER	.000	BD/LAP	-14.250	SPDRK	54.520



COMPONENT BUILDUP

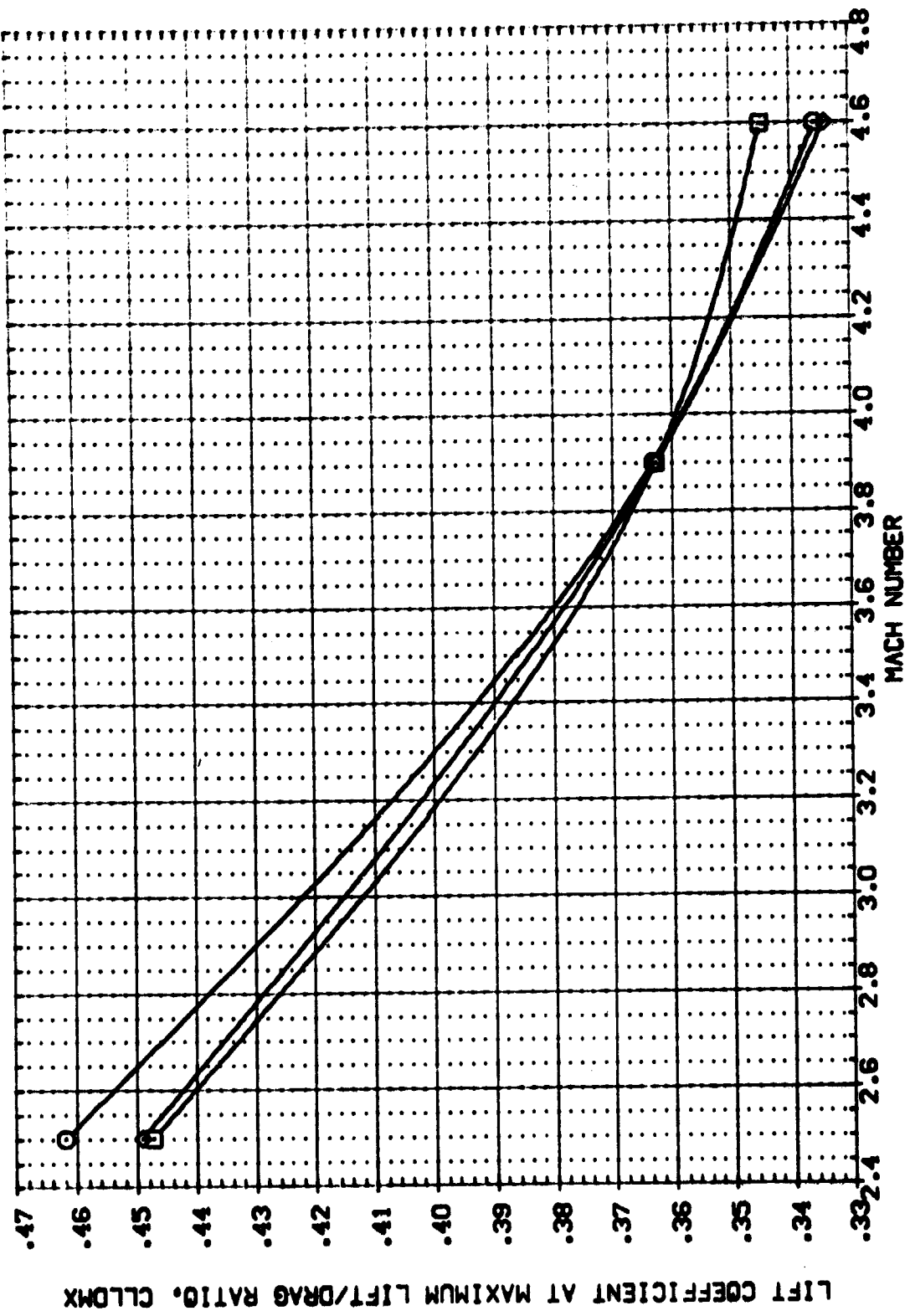
C-2

DATA SET SYMBOL: CONF-2A  
 (RPN102) 0A44 UPVT 1035 CONF-2A  
 (RPN119) 0A44 UPVT 1035 CONF-2A  
 (RPN125) 0A44 UPVT 1035 CONF-2A

CONFIGURATION DESCRIPTION:  
 0A44 UPVT 1035 CONF-2A  
 0A44 UPVT 1035 CONF-2A  
 0A44 UPVT 1035 CONF-2A

ELEVTR: .000  
 RUDDER: .000  
 BOFLAP: -14.250  
 SPOBRK: 54.920

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



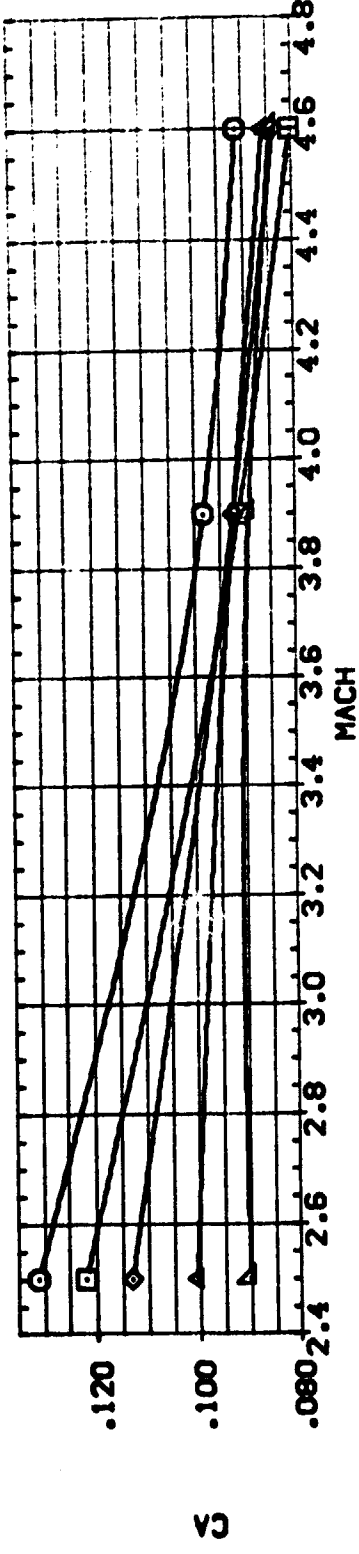
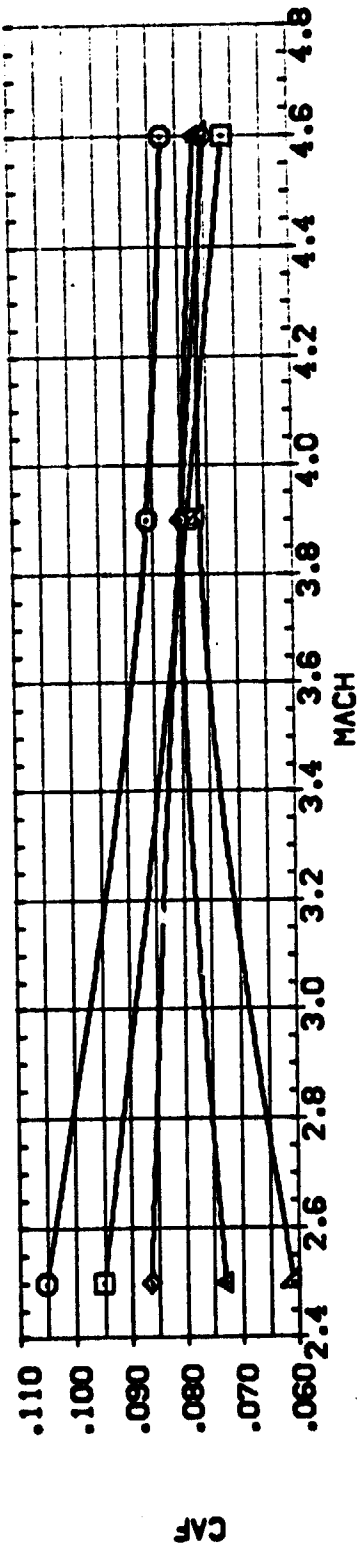
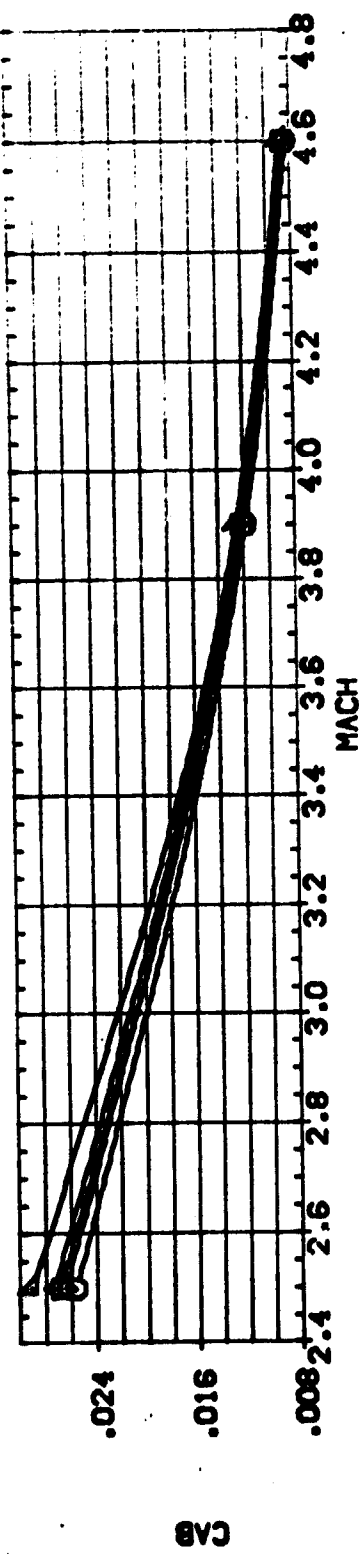
COMPONENT BUILDUP

0A44 UPWT 1035 CONF-2A B10C5D7M3F4W87E18R5V5X16 (RPNU02)

ALPHA	BETA	PARAMETRIC VALUES
.000	.000	ELEVTR .000
10.000	.000	RUDDR .000
20.000	-14.250	SPOBRK 54.520
30.000		
40.000		

REF	SO. IN.
87.1560	INDEX
7.1270	INDEX
14.0500	INDEX
13.1468	INDEX
.0000	INDEX
6.0000	INDEX
.0150	SCALE

SYMBOL
○
□
◇
△



TOTAL VEHICLE -89B CONFIG

OA44 UPWT 1035 CONF-2A B10C5D7M3F4M87E18R5V5X16 (RPNU02)

SYMBL  
 ○  
 □  
 ◇  
 △

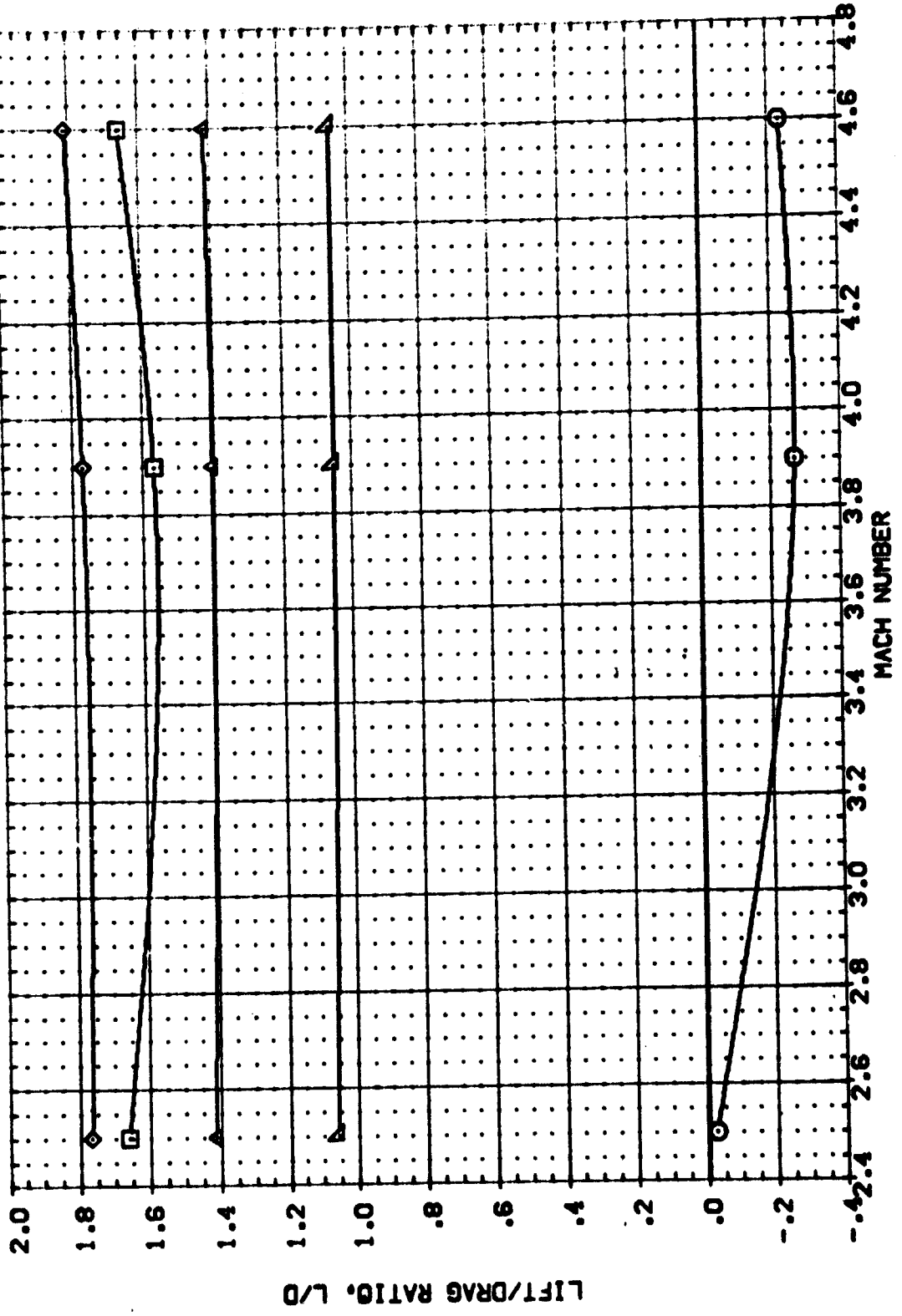
ALPHA  
 .000  
 10.000  
 20.000  
 30.000  
 40.000

BETA  
 .000  
 .000  
 .000

ELEVTR  
 .000  
 R.ODER  
 54.520

SPDRBK  
 -14.250  
 SPODRK  
 54.520

REFERENCE INFORMATION  
 SREF 87.1560  
 LREF 7.1220  
 BREF 14.0502  
 XTRP 13.1459  
 YTRP .0000  
 ZTRP 6.0000  
 SCALE .0150



TOTAL VEHICLE -898 CONFIG

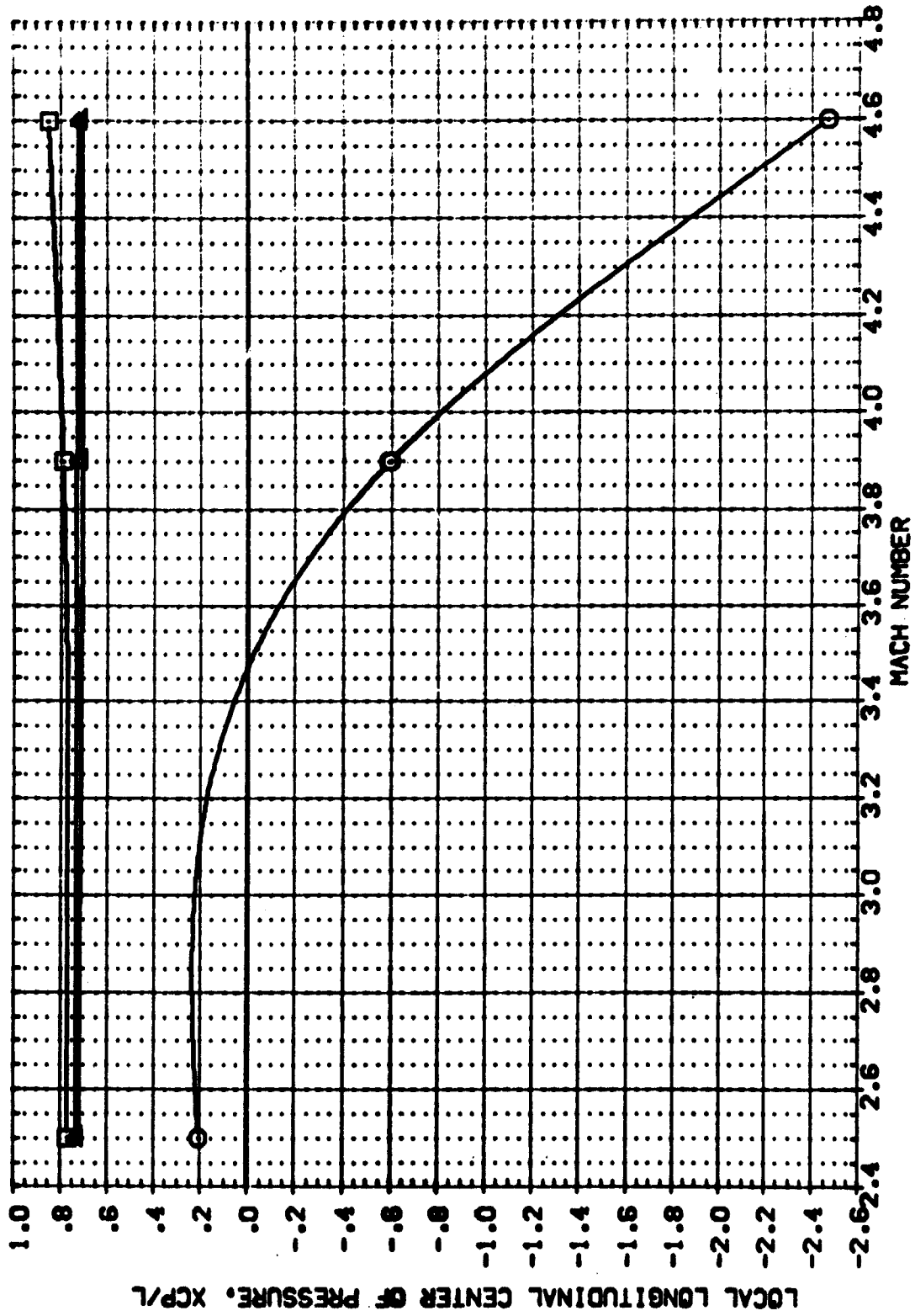


0A44 UPWT 1035 CONF-2A B10C507M3F4W87E18R5V5X16 (RPNU02)

REFERENCE INFORMATION  
 SREF 87.1580 SO, IN.  
 LREF 7.1220 INCHES  
 BREF 14.0502 INCHES  
 XMRP 13.1468 INCHES  
 YMRP .0000 INCHES  
 ZMRP 6.0000 INCHES  
 SCALE .0150 SCALE

PARAMETRIC VALUES  
 .000 ELEVTR .000  
 .000 RUDDER .000  
 -14.250 SPDRBK 54.920

ALPHA .000 BETA  
 10.000 AIRORN  
 20.000 BDFLAP  
 30.000  
 40.000

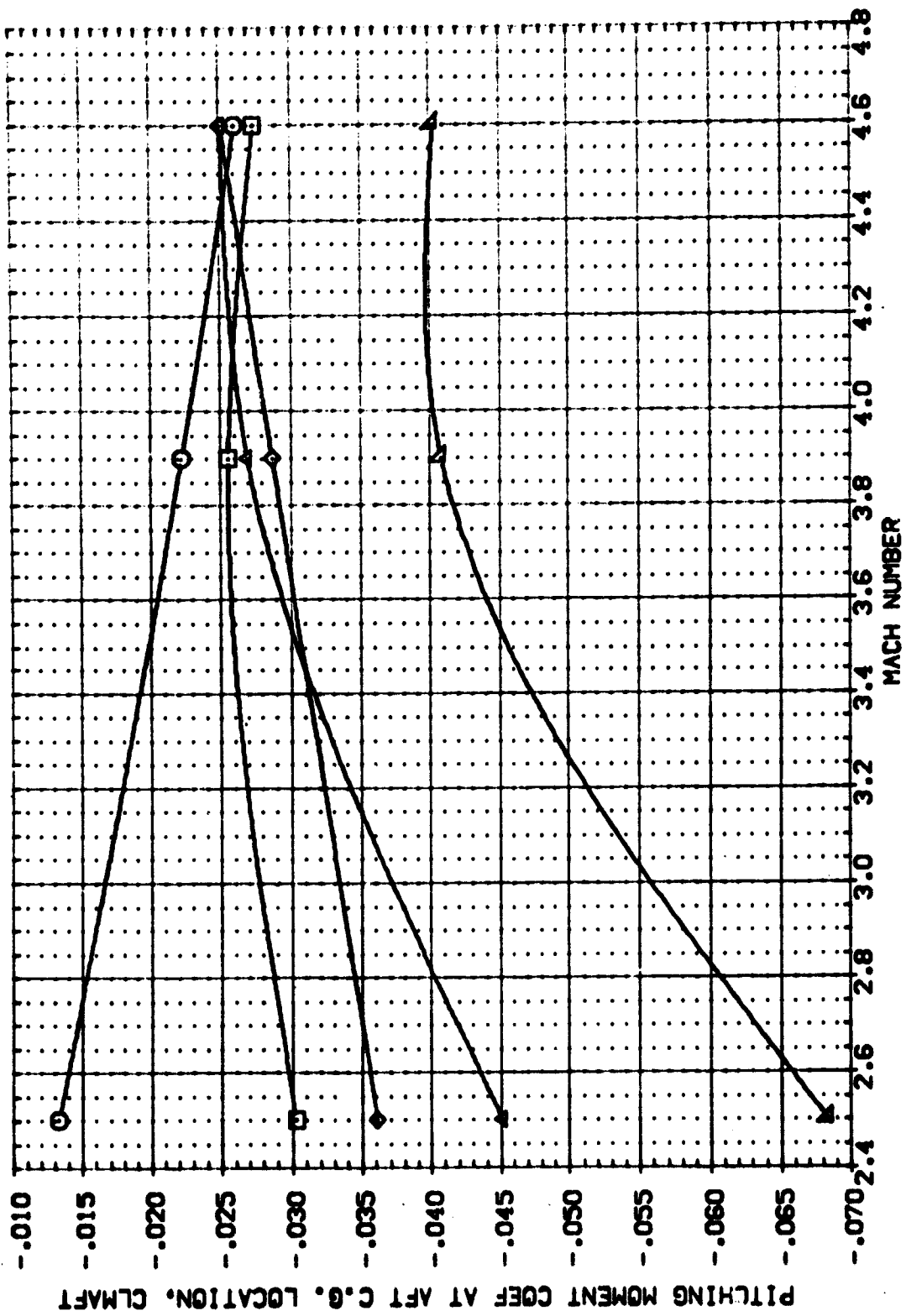


TOTAL VEHICLE -898 CONFIG

0A44 UPWT 1035 CONF-2A B10C5D7M3F4W87E18R5V5X16 (VPNZ02)

**SMPTL** ALPHA .000 BETA .000 ELEVTR .000  
 10.000 AILRON .000 RUDDER .000  
 20.000 80FLAP -14.250 SPOBRK 54.920  
 30.000  
 40.000

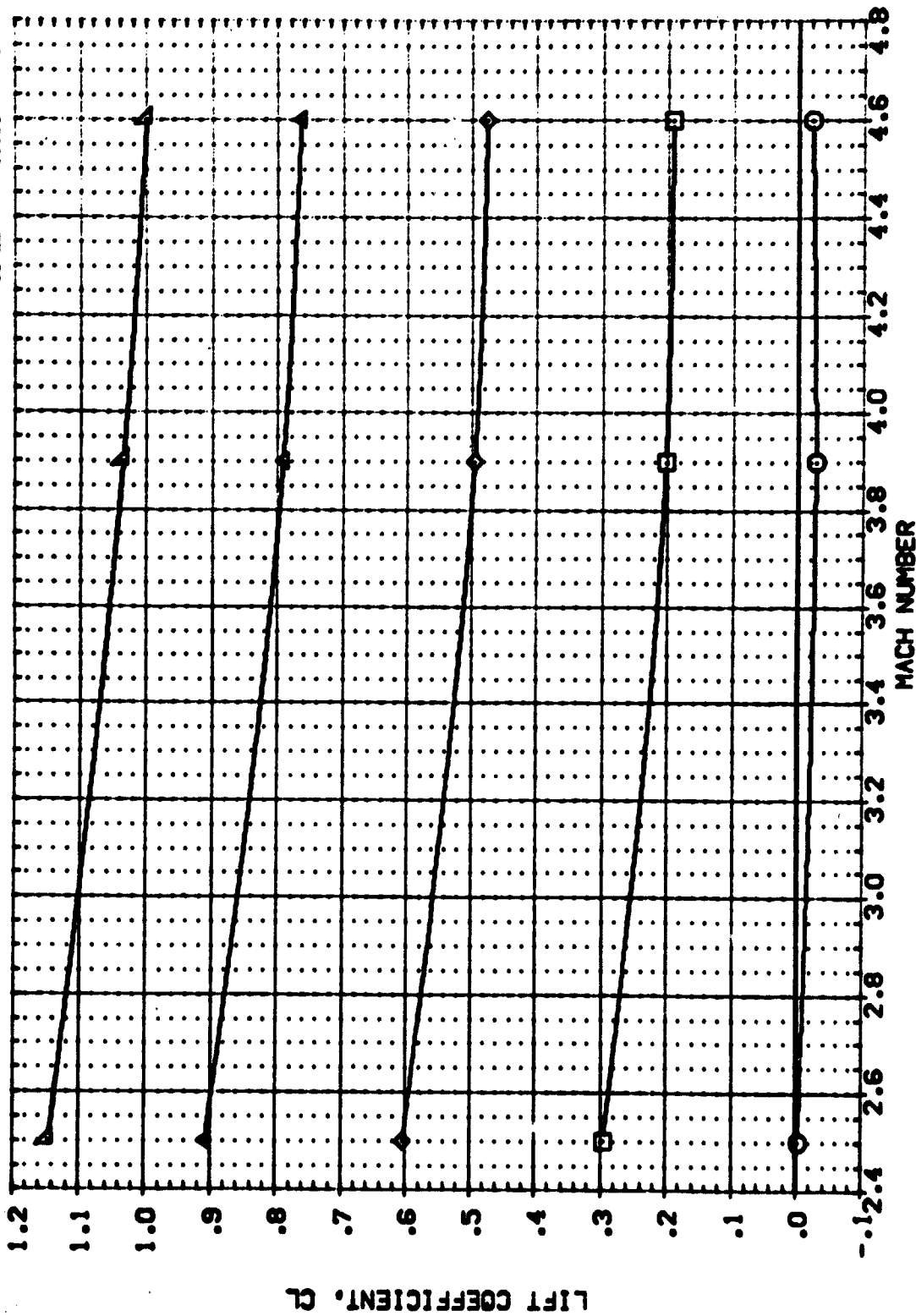
**REFERENCE INFORMATION**  
 SREF 87.5600 50.114  
 LREF 7.1220 INCHES  
 BREF 14.0502 INCHES  
 YWRP 13.5454 INCHES  
 ZWRP 6.0000 INCHES  
 SCALE .0150 INCHES



TOTAL VEHICLE -898 CONFIG

0A44 UPWT 1035 CONF-2A B10C5D7M3F4W87E18R5V5X16 (RPN02)

SYMB	ALPHA	BETA	PARAMETRIC VALUES		REFERENCE INFORMATION	
□	.000	.000	ELEVTR	.000	SNCF	87.1580
◇	10.000	.000	RUDDER	.000	LNCF	7.1220
△	20.000	-14.250	SPOBRK	54.520	BNCF	14.0500
▽	30.000				YPRP	13.1450
▲	40.000				ZPRP	6.0000
					SCALE	.0150
						50. IN.
						IN-OES
						IN-OES
						IN-OES
						IN-OES
						SCALE



TOTAL VEHICLE -898 CONFIG

0A44 UPWT 1035 CONF-2A 810C507M3F4W87E18R5V5X16 (RPNG02)

SYMBOL  
 ○  
 □  
 ◇  
 △  
 ▽

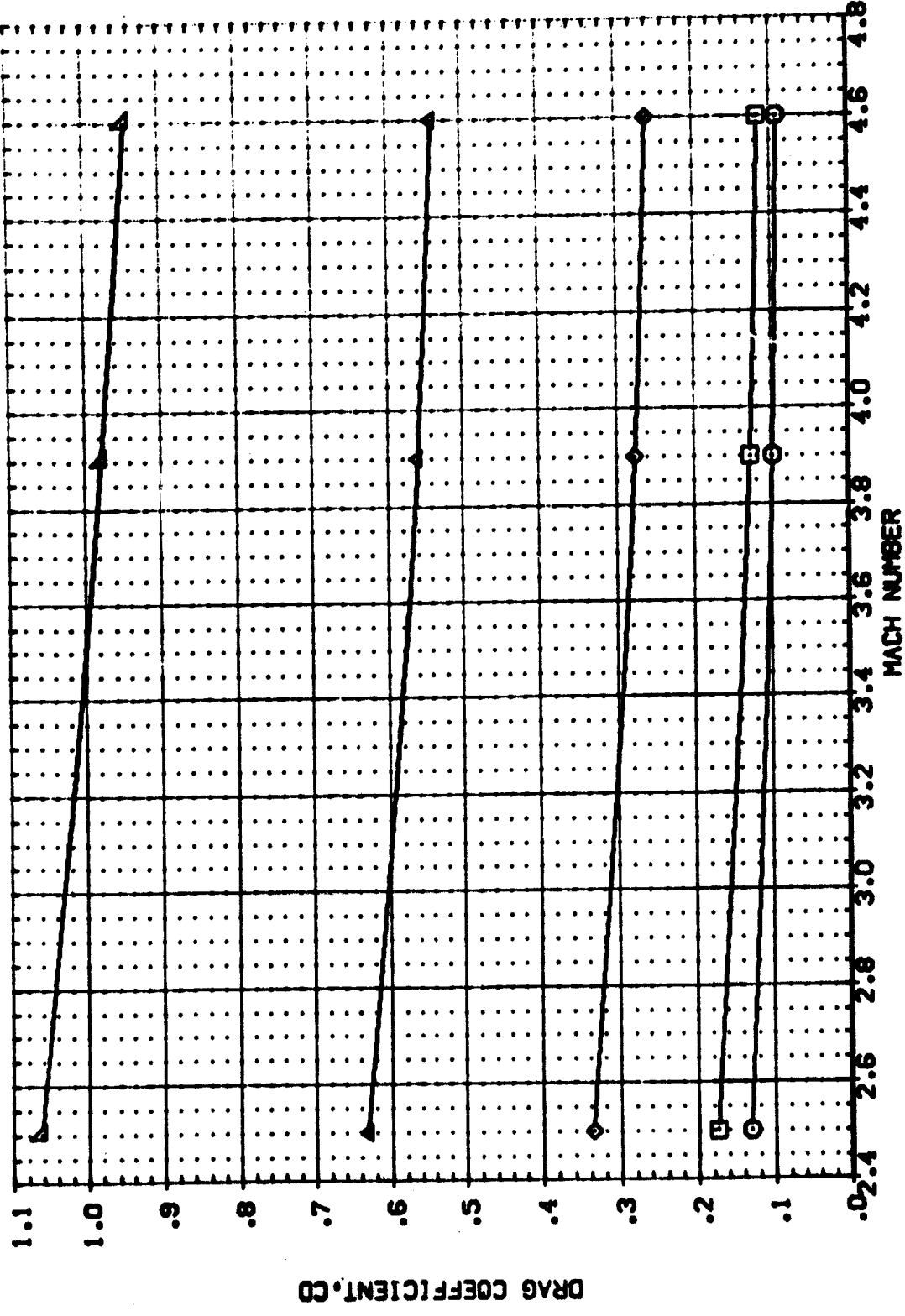
ALPHA  
 .000  
 10.000  
 20.000  
 30.000  
 40.000

BETA  
 .000  
 .000  
 .000

PARAMETRIC VALUES  
 ELEVTR .000  
 RUDDER .000  
 SPOBRK -14.250  
 SPOBRK 54.920

REF INFORMATION  
 SREF 87.1550  
 LREF 7.1220  
 XREF 14.0502  
 YREF 13.1469  
 ZREF 6.0000  
 SCALE .0150

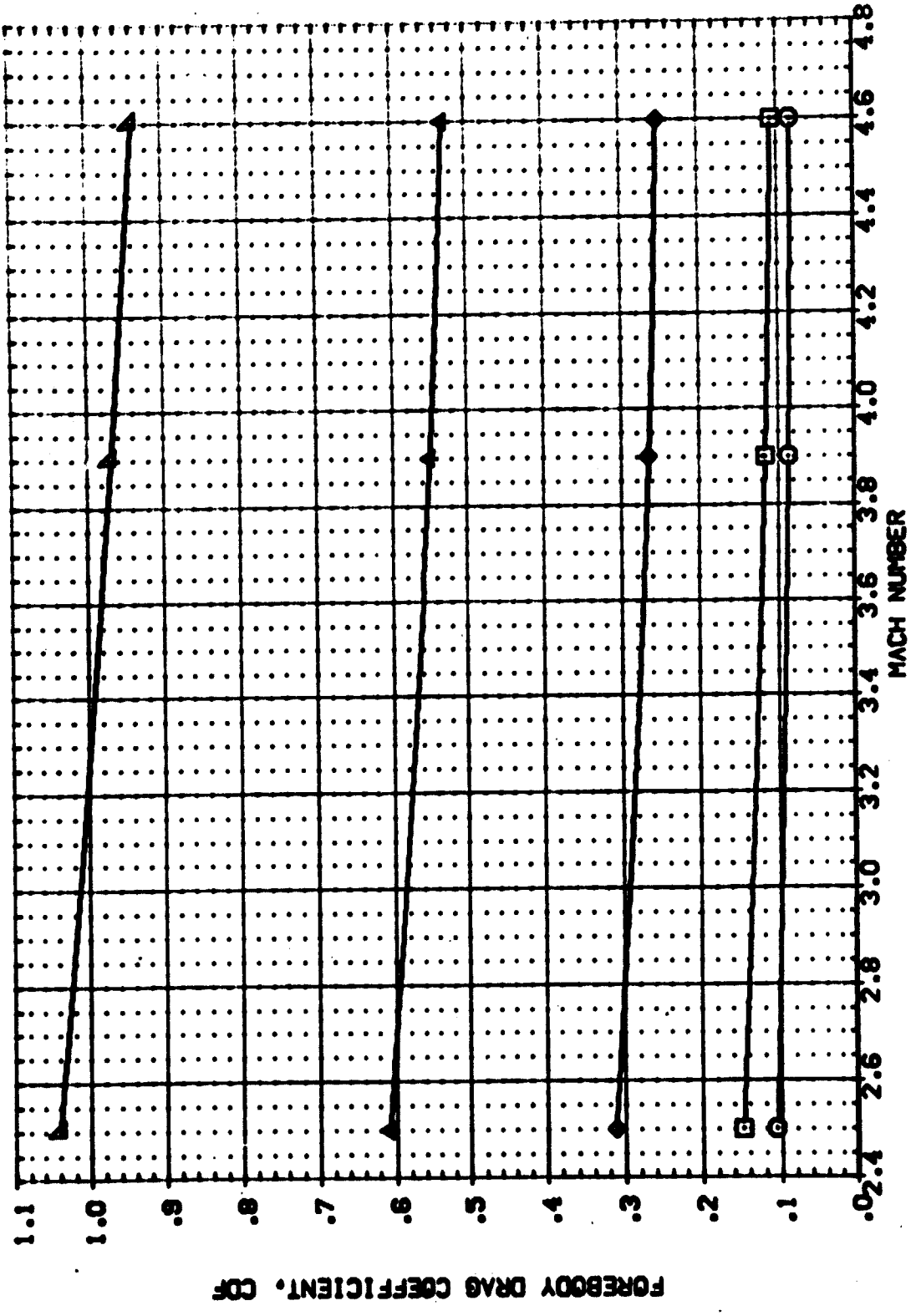
90. IN  
 INCHES  
 INCHES  
 INCHES  
 INCHES  
 INCHES  
 SCALE



TOTAL VEHICLE -898 CONFIG

0A44 UPNT 1035 CONF -2A B10C507M3F4W67E18RSV5X16 (RPNG02)

ALPHA	BETA	PARAMETRIC VALUES	REF	INFORMATION
.000	.000	ELEVTR	87.1500	80 IN
10.000	.000	FLDGR	7.1220	IN-ES
20.000	.000	SPDRK	14.0002	IN-ES
30.000	-14.250	SPDRK	13.1468	IN-ES
40.000		SPDRK	6.0000	IN-ES
		SPDRK	.0150	SCALE



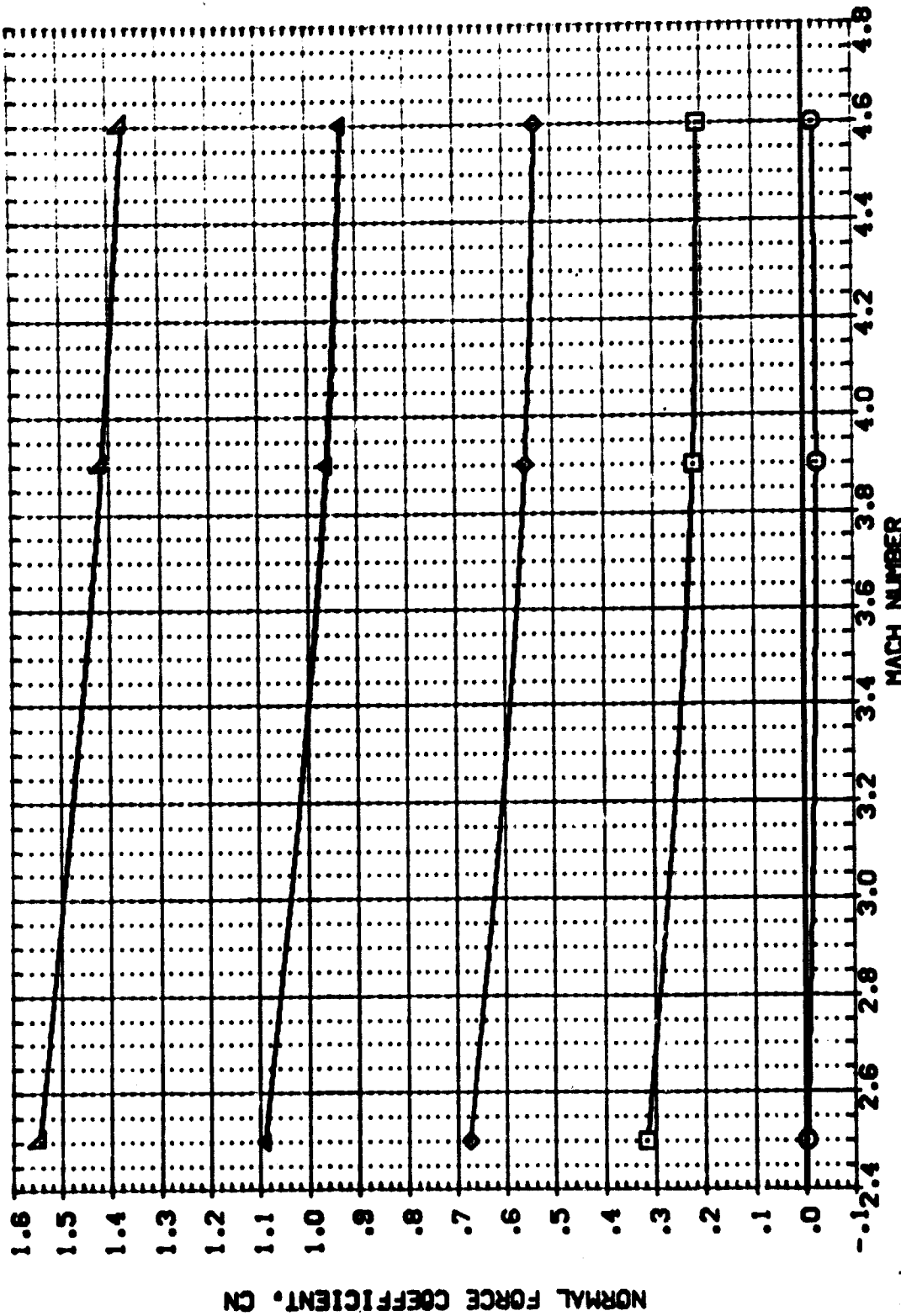
TOTAL VEHICLE -898 CONFIG

0A44 UPWT 1035 CONF-2A B10CS07M3F4W07E16R5V5X16 (RPNG02)

REF. IN.  
 67.1250  
 7.1250  
 14.2500  
 19.1463  
 .0000  
 6.0000  
 .0150

PARAMETRIC VALUES  
 .000 ELEVTR .000  
 .000 RLOOR .000  
 -14.250 SPOBK 54.920

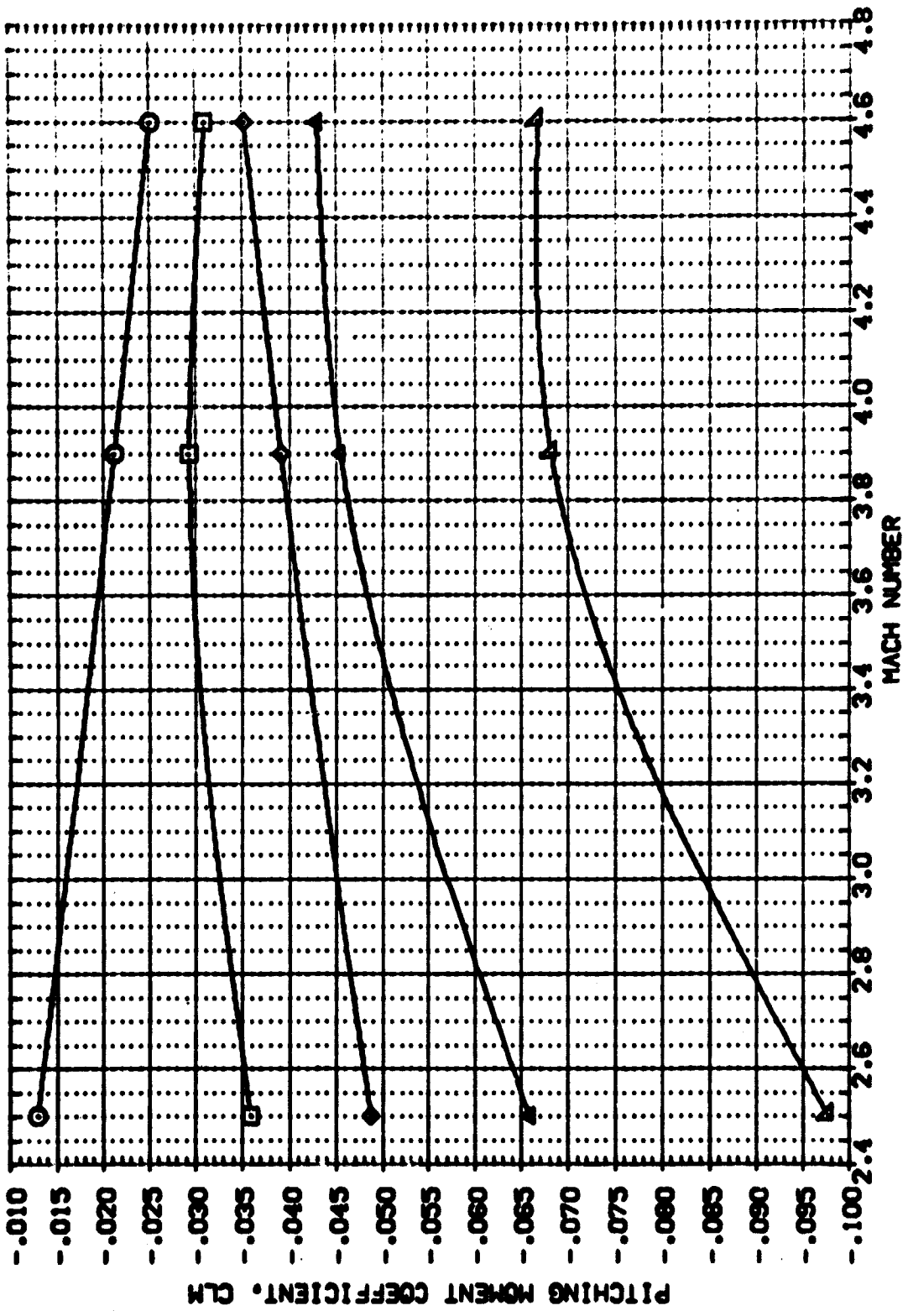
ALPHA  
 .000  
 10.000  
 20.000  
 30.000  
 40.000



TOTAL VEHICLE -898 CONFIG

0A44 UPWT 1035 CONF -2A B10C507M3F4V67E18R5V5X16 (RPNG02)

SPRFL	ALPHA	BETA	PARAMETRIC VALUES		REF	REFERENCE INFORMATION	
□	.000	.000	ELEVTR	.000	SPRT	87.1980	90 IN.
○	10.000	.000	RUDR	.000	LINEF	7.1220	IN-ES
◇	20.000	-14.250	SPDRK	94.920	SPRT	14.0502	IN-ES
△	30.000				YPRP	13.1468	IN-ES
	40.000				ZPRP	6.0000	IN-ES
					SCALE	.0150	SCALE

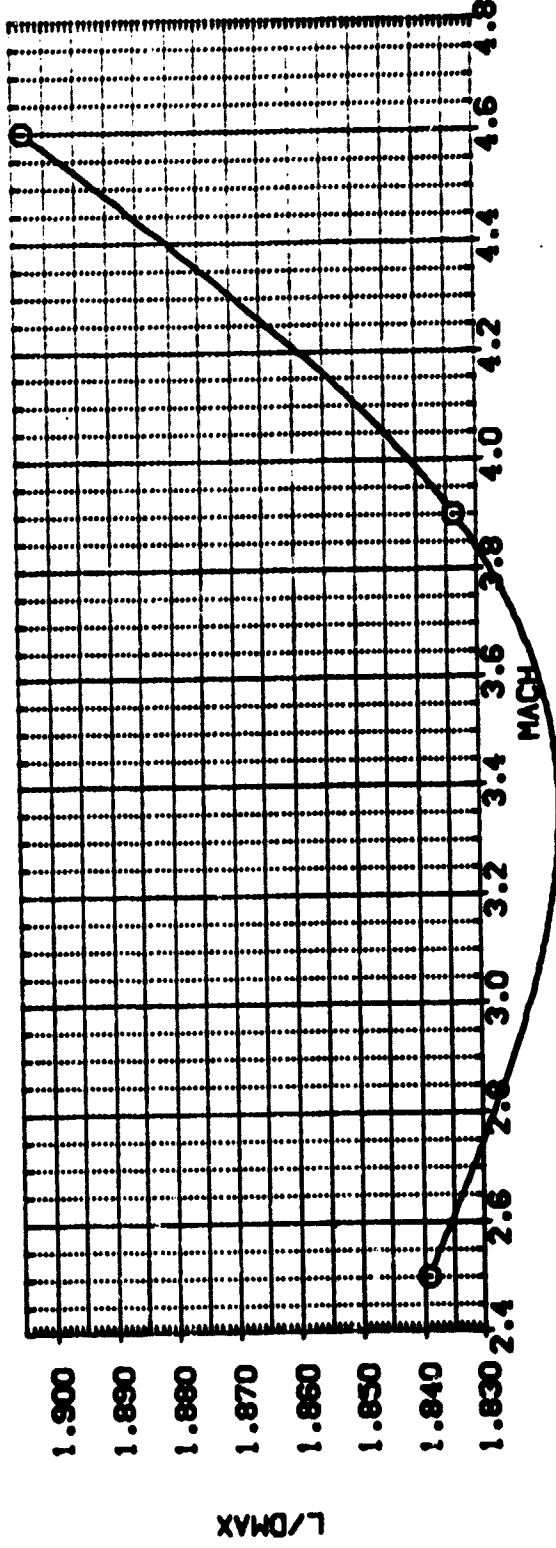
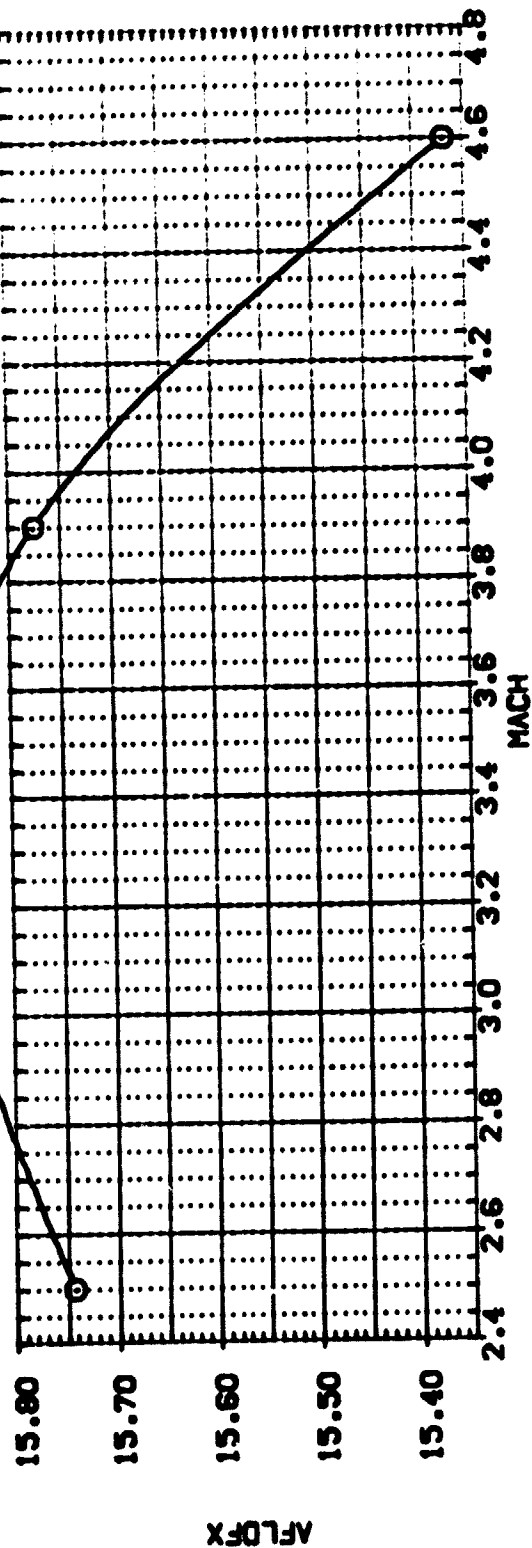


TOTAL VEHICLE -89B CONFIG

0A44 UPWT 1035 CONF--2A B10C507M3F4V87E18R5V5X16 (RPNT02)

PARAMETRIC VALUES  
 BETA .000 BLEVTB .000  
 AILDRN .000 RUDDR .000  
 EDFLAP -14.250 SPOBRK 54.920

REFERENCE INFORMATION  
 SREF 87.1580  
 LREF 7.1220  
 BREF 14.0502  
 XREF 13.1458  
 YREF .0000  
 ZREF 6.0000  
 SCALE .0150



TOTAL VEHICLE -898 CONF16

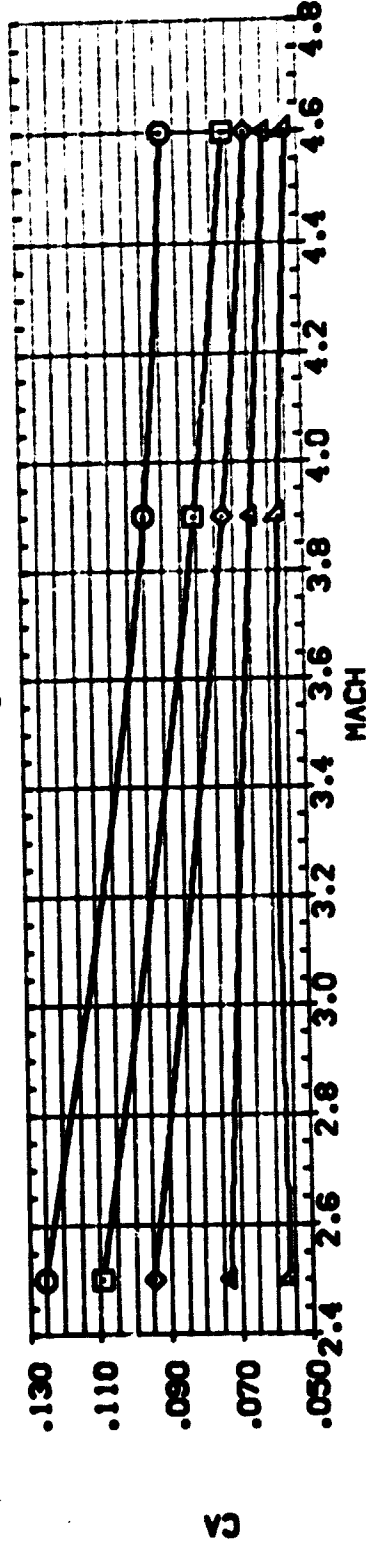
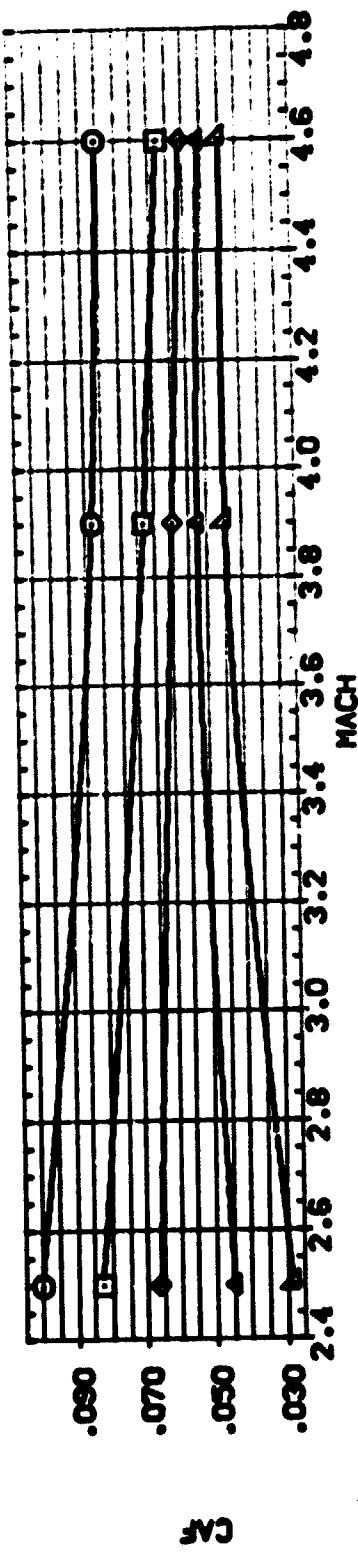
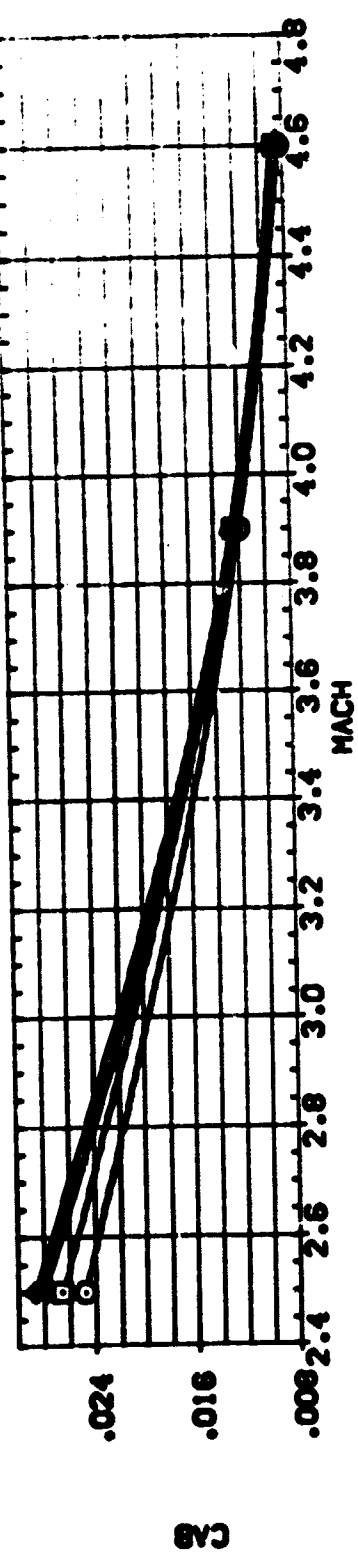


0A44 UPVT 1035 CONF4 B19C7E23F5M4R5V7W107X16 (RPNU19)

REF. IN. 50. IN.  
 67.1250 IN. GCS  
 7.1250 IN. GCS  
 14.0625 IN. GCS  
 12.5772 IN. GCS  
 .0000 IN. GCS  
 6.0000 IN. GCS  
 .0150 SCALE

PARAMETRIC VALUES  
 ALPHA .000  
 BETA .000  
 ALLIQUA .000  
 ELEVTR .000  
 FLOOR .000  
 SPLAP -14.250  
 SPOBCK 54.920

SPRBL  
 ○ □ ◇ ▲

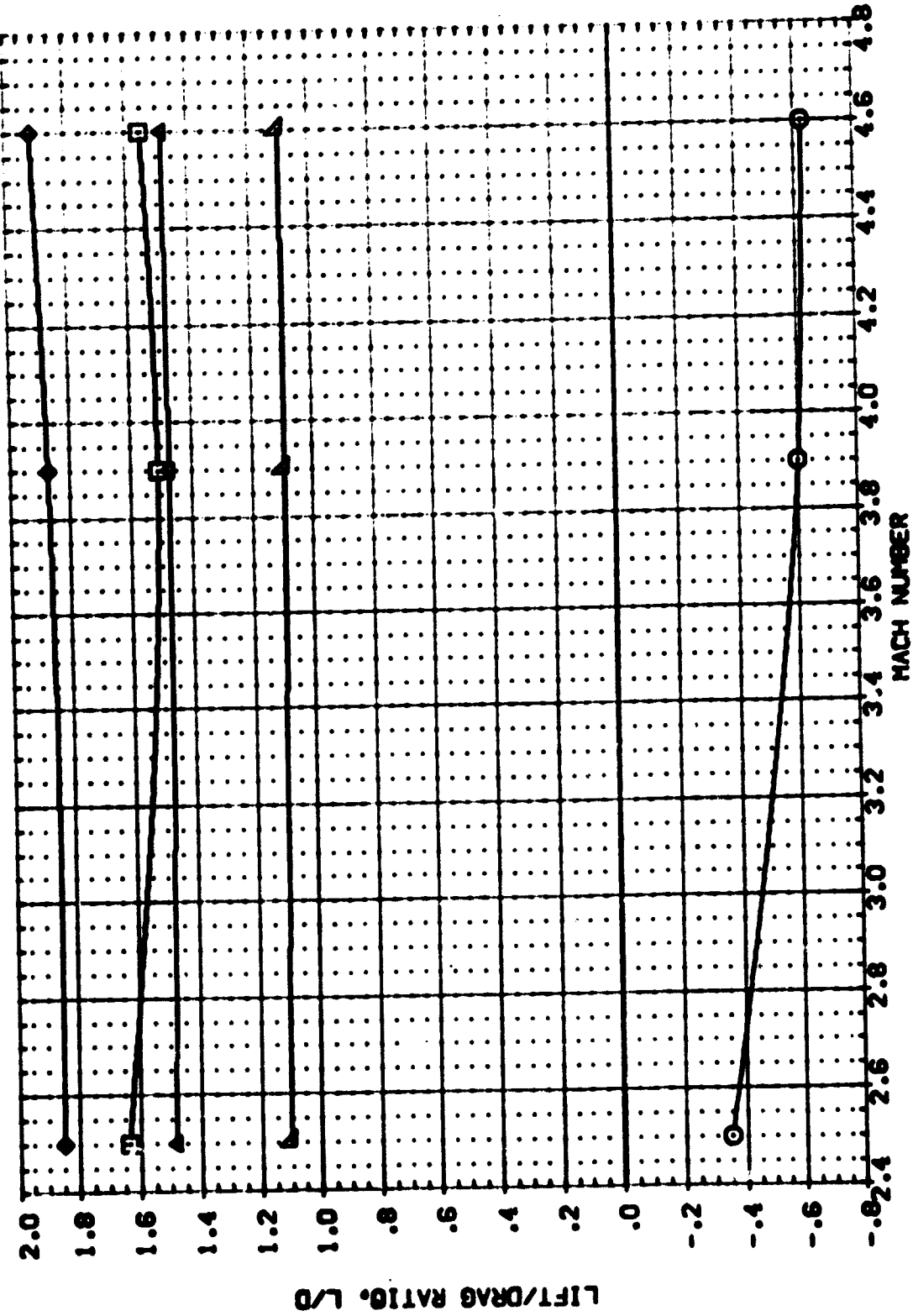


TOTAL VEHICLE -139B CONFIG

0A44 UPVT 1035 CONF4 B19C7E23FSM4R5V7W107X16 (RPNU19)

**PARAMETRIC VALUES**  
 ALPHA .000 BETA .000 ELEVTR .000  
 10.000 AILRCH .000 RUDDER .000  
 20.000 SDFLAP -19.750 SPDRK 54.500  
 30.000  
 40.000

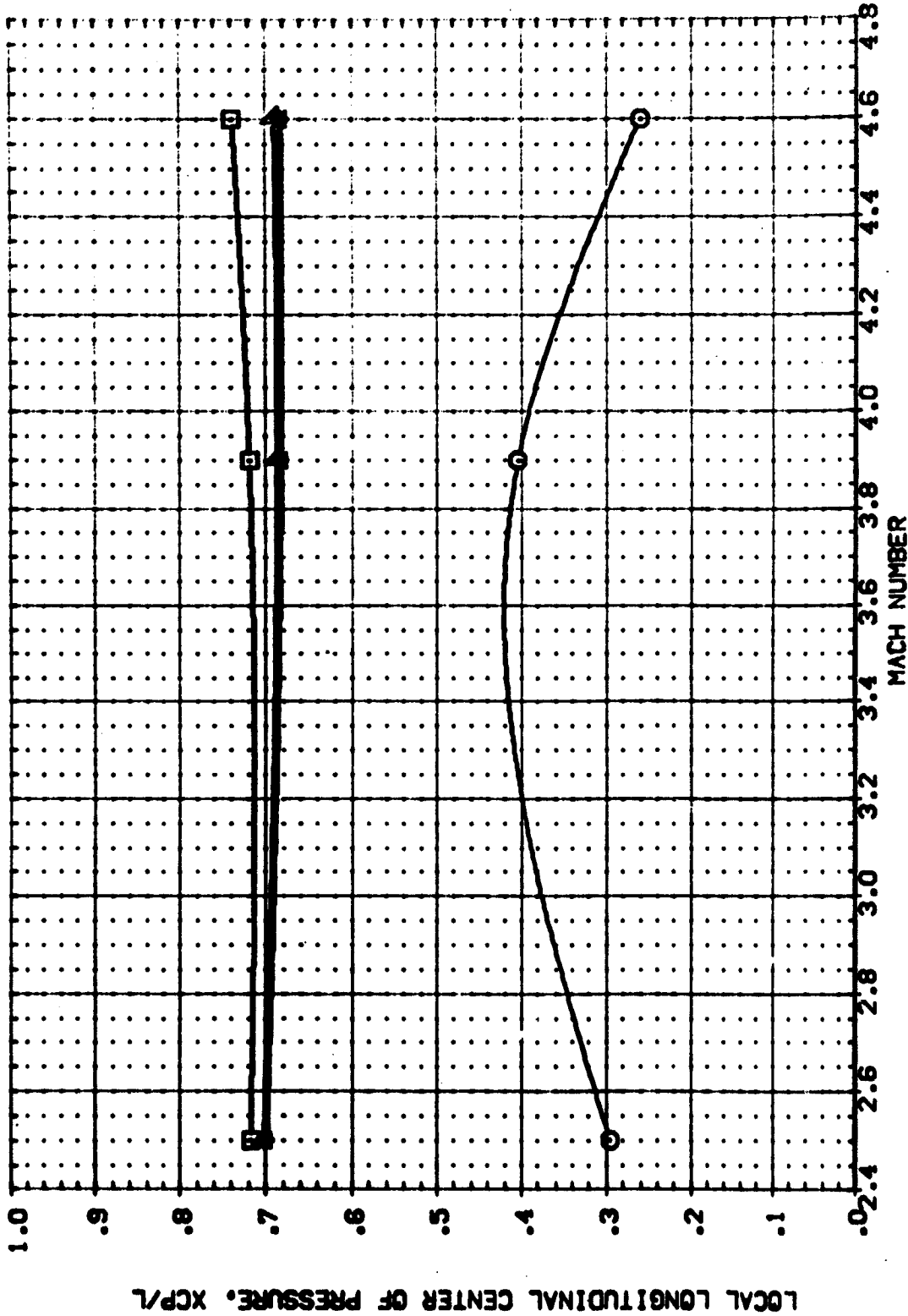
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 SREF 87.1580 29.1IN  
 LREF 7.1720 10.63  
 XREF 14.0502 10.63  
 YREF 12.5772 10.63  
 ZREF 6.0000 10.63  
 SCALE .0150



TOTAL VEHICLE -1398 CONFIG

0A44 UPWT 1035 CONF4 B19C7E23F5M4R5V7M107X16 (RPNU19)

ALPHA	BETA	PARAMETRIC VALUES	REF	REFERENCE INFORMATION
.000	.000	ELEVTR	07.1580	50. IN.
10.000	.000	ELEVTR	7.1220	IN.-ES
20.000	.000	RUDDER	14.0502	IN.-ES
30.000	-14.250	SPOBRK	12.5772	IN.-ES
40.000			6.0000	IN.-ES
			6.0000	SCALE
			.0150	

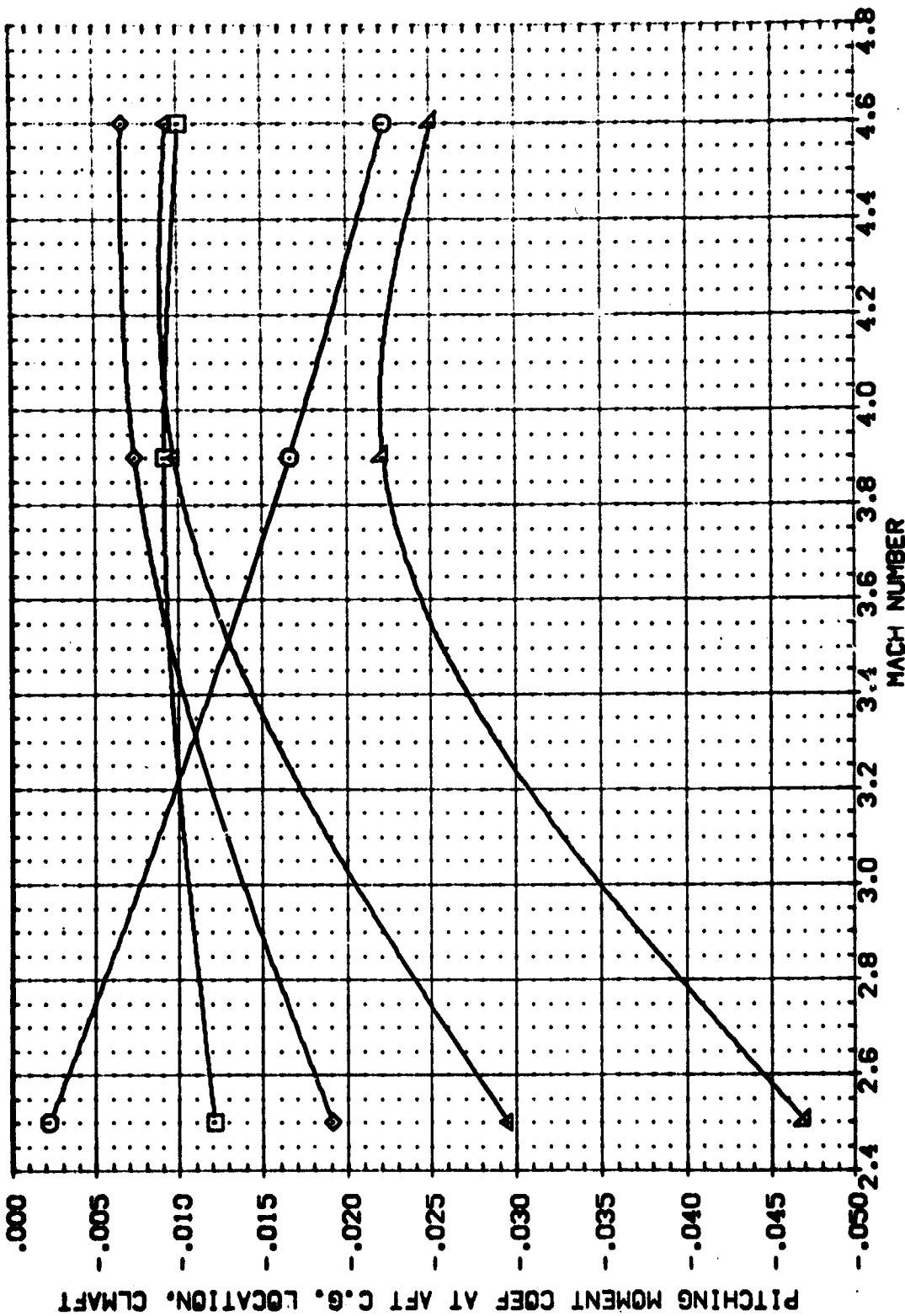


TOTAL VEHICLE -139B CCNFIG

0A44 UPWT 1035 CONF4 B19C7E23F5M4R5V7W107X16 (VPNZ19)

**PARAMETRIC VALUES**  
 ALPHA .000 BETA .000  
 10.000 .000 ELEVTR .000  
 20.000 .000 RUDDER .000  
 30.000 -14.250 SPOBRK 94.920  
 40.000

**REFERENCE INFORMATION**  
 SREF 87.5900  
 LREF 7.1220  
 XMP 14.0502  
 YMP 12.5643  
 ZMP .0000  
 SCALE 6.0150

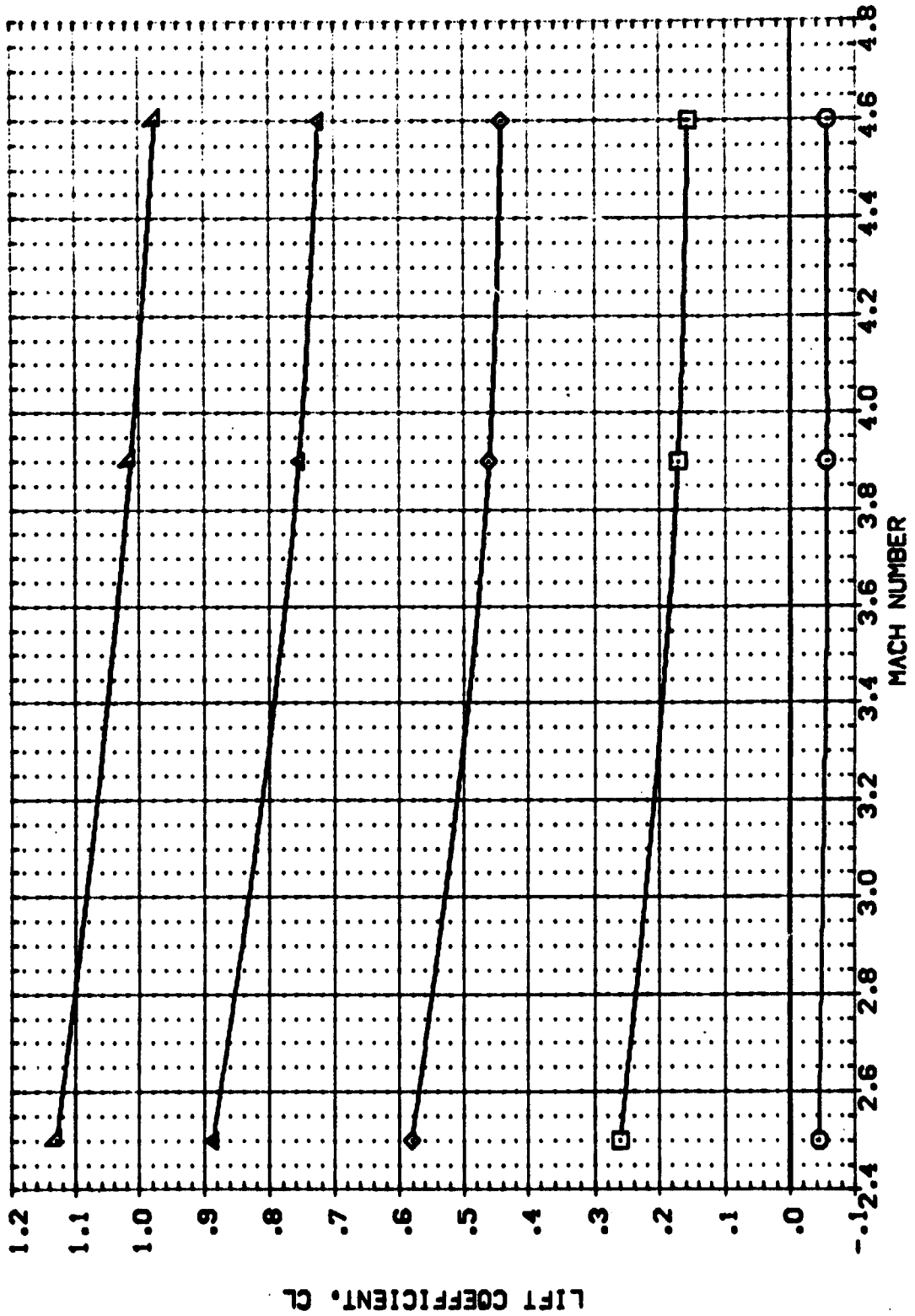


TOTAL VEHICLE -1398 CONFIG

0A44 UPWT 1035 CONF4 B19C7E23F5M4RSV7W107X16 (RPNG19)

SYMBL	ALPHA	BETA	AILLONN	EDFLAP	PARAMETRIC VALUES	ELEVTR	RUDDER	SPOBRK
□	.000	.000	.000	-14.250	.000	.000	.000	51.920
◇	10.000	.000	.000					
△	20.000							
▲	30.000							
	40.000							

REF	87.1560	SO. IN.
LNREF	7.1220	IN. OES
BNREF	14.0502	IN. OES
YREF	12.5772	IN. OES
ZREF	6.0000	IN. OES
SCALE	.0150	SCALE



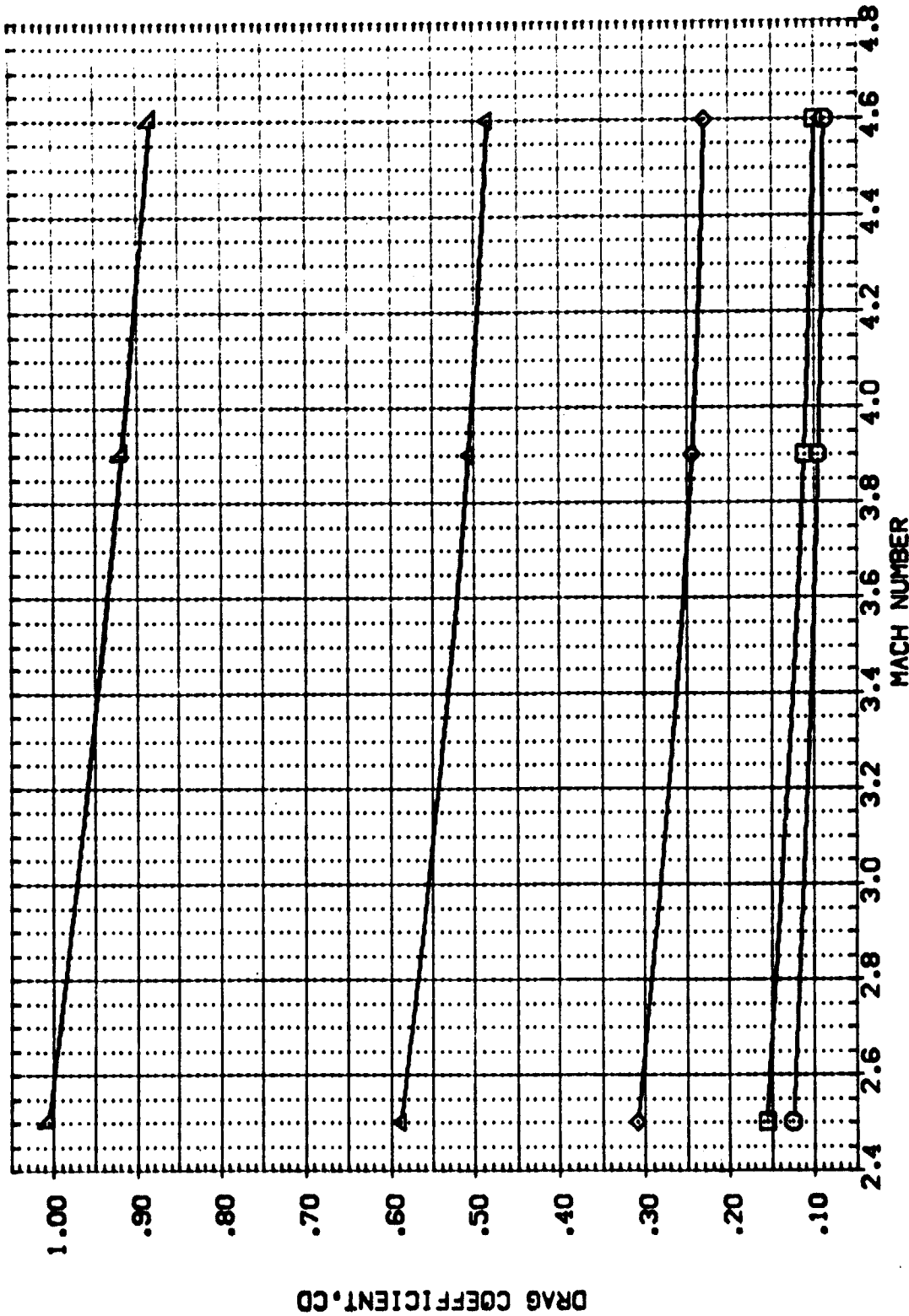
REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TOTAL VEHICLE -1398 CONF1G

0A44 UPWT 1035 CONF4 B19C7E23F5M4R5V7W107X16 (RPNG19)

<b>SYMBOL</b>	<b>ALPHA</b>	<b>SE °A</b>	<b>PROMERIC VALUES</b>
○	.000	AILRON	.000
□	10.000	EDFLAP	-14.250
◇	20.000	SPOBRK	54.520
△	40.000		

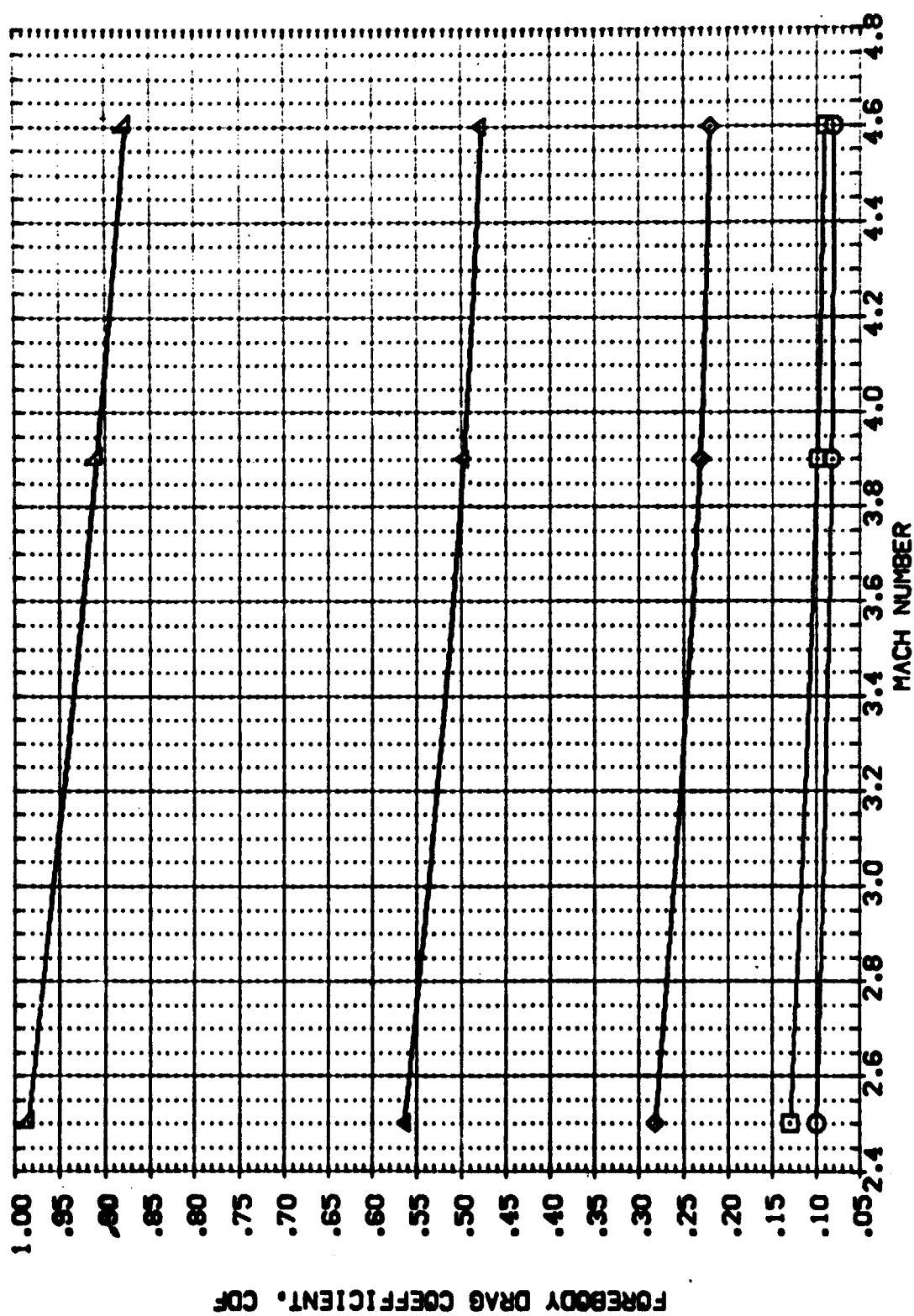
<b>REF</b>	<b>REF</b>	<b>SCALE</b>
87.1568	80.74	
7.1220	INCHES	
14.0502	INCHES	
12.5772	INCHES	
.0000	INCHES	
6.0000	INCHES	
.0150	SCALE	



TOTAL VEHICLE -1398 CONFIG

QA44 UPWT 1035 CONF4 B19C7E23F5M4RSV7W107X16 (RPNG19)

SYMBL.	ALPHA	BETA	PARAMETRIC VALUES		REFERENCE INFORMATION	
□	.000	.000	ELEVTR	.000	SREF	67.1960
□	10.000	.000	AILRON	.000	LREF	7.1220
△	20.000	-14.250	RUDDER	.000	BREF	14.0502
△	30.000		SPOBRK	54.920	XMRP	12.5772
△	40.000				YMRP	6.0000
					ZMRP	6.0000
					SCALE	.0150
					SO IN.	
					IN-ES	
					IN-ES	
					IN-ES	
					IN-ES	
					SCALE	



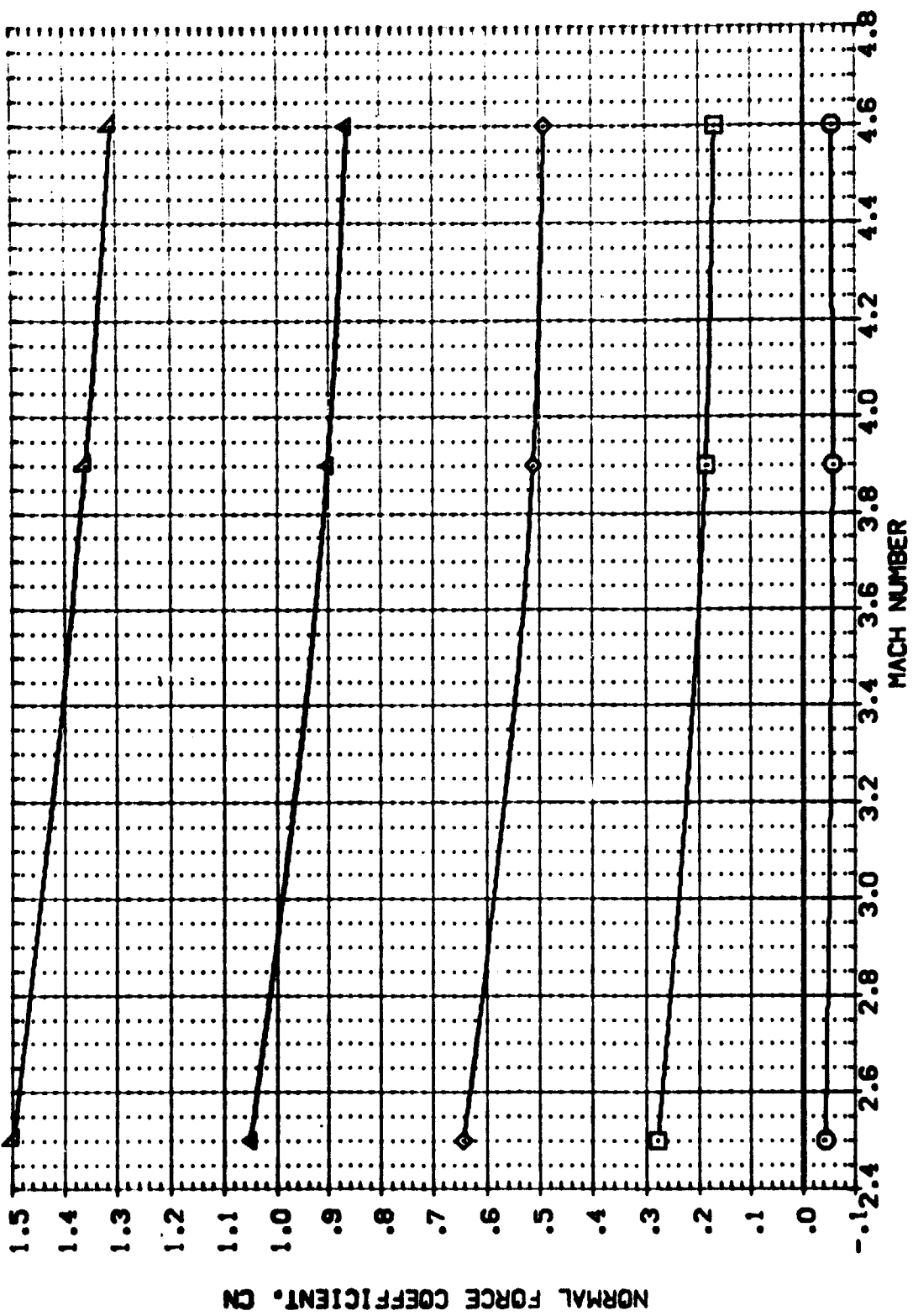
TOTAL VEHICLE -1398 CONFIG

0A44 UPWT 1035 CONF4 B19C7E23F5M4R5V7W107X16 (RPNG19)

REFERENCE INFORMATION  
 SREF 87.1500  
 LREF 7.1220  
 BREF 14.0502  
 YREF 12.5772  
 ZREF 6.0000  
 SCALE .0150

PARAMETRIC VALUES  
 ALPHA .000  
 BETA .000  
 ATRON .000  
 BFLAP -14.250  
 ELEVTR .000  
 RUDDER .000  
 SPOBRK 54.820

SWEEP  
 ○ .000  
 ◇ 10.000  
 ◊ 20.000  
 △ 30.000  
 ▲ 40.000

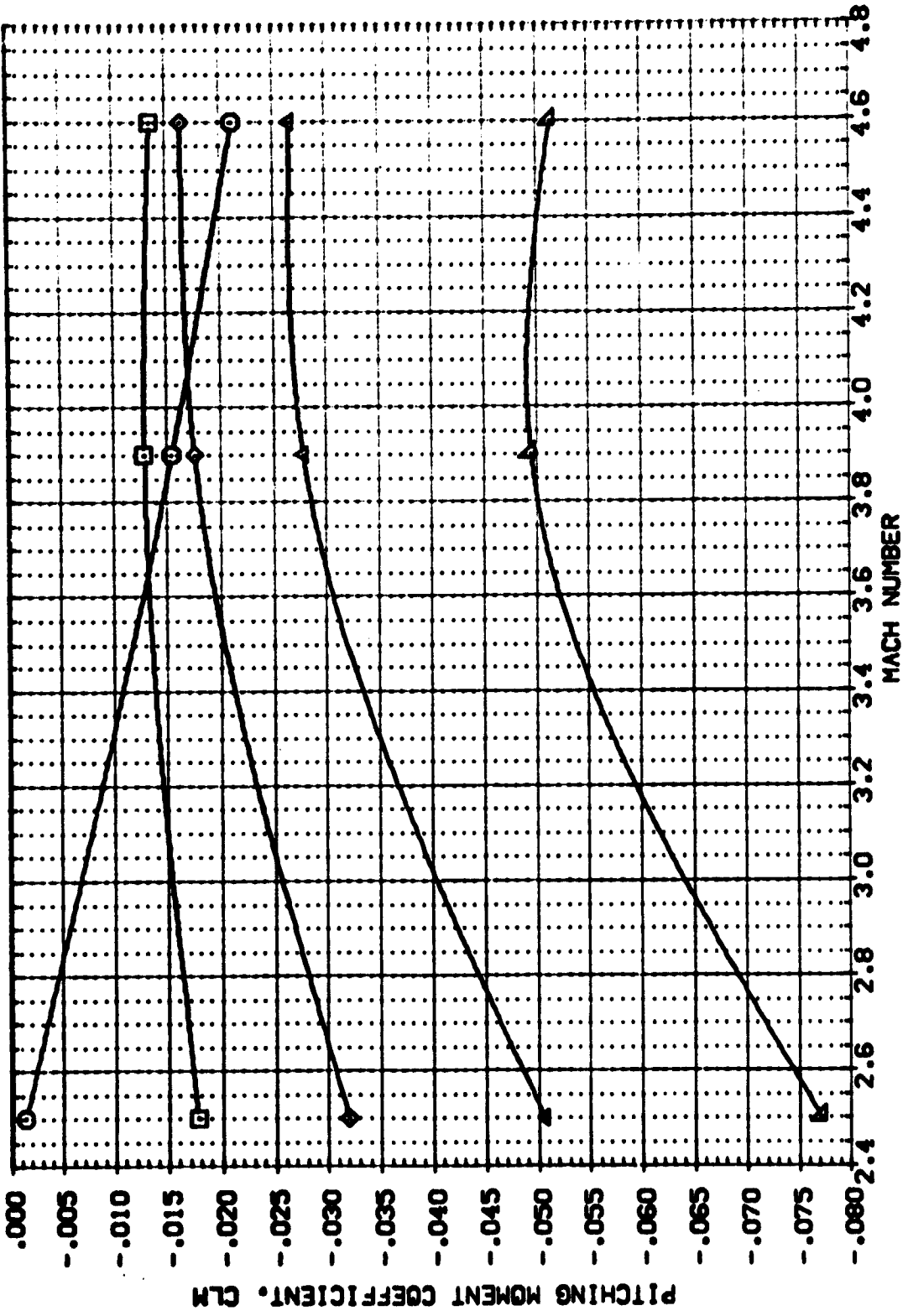


TOTAL VEHICLE -1398 CONFIG



0A44 UPWT 1035 CONF4 B19C7E23F5M4R5V7W107X16 (RPNG19)

SYMBOL	ALPHA	REF. SET	PARAMETRIC VALUES	REF. INFO
○	.000	ELEVTR	.000	67.1550
□	10.000	RUDER	.000	7.1270
◇	20.000	SPDRK	54.920	14.0502
△	30.000			12.5772
▽	40.000			6.0000
				6.0150
				SCALE

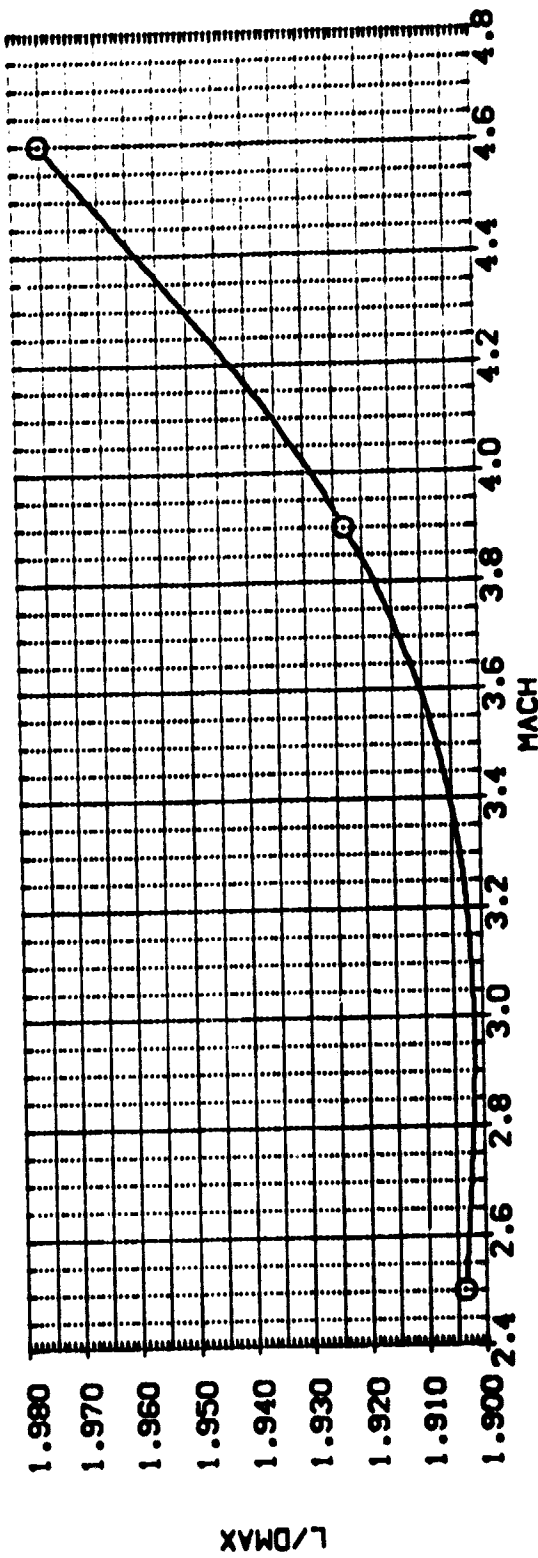
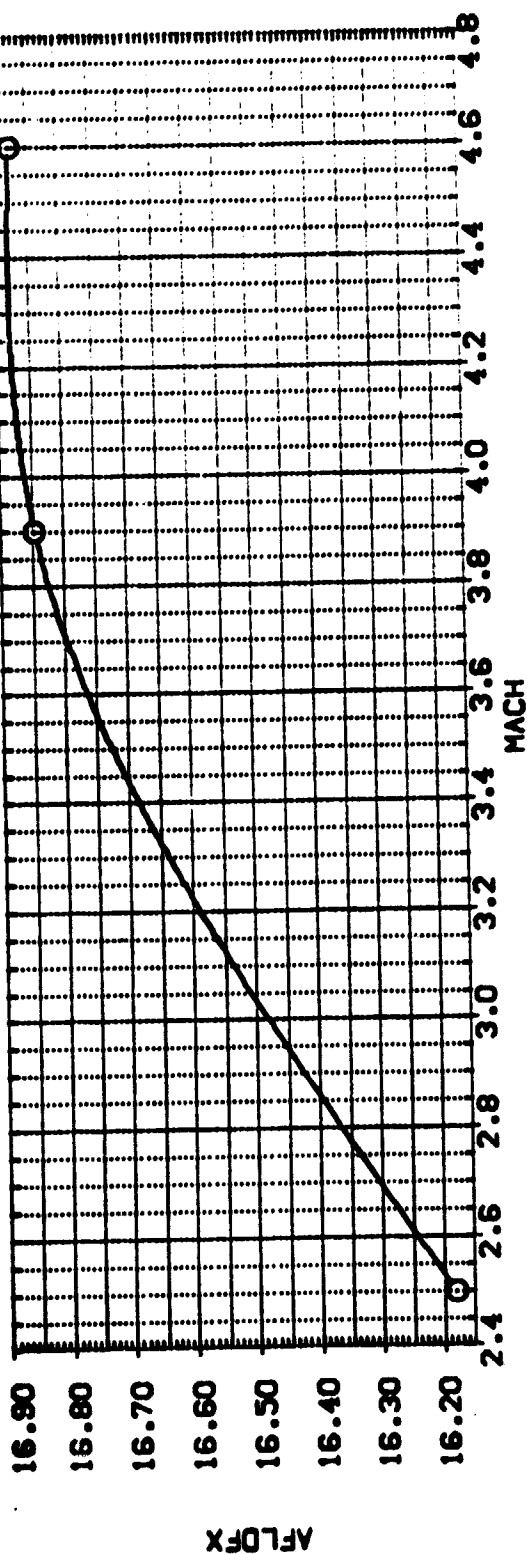


TOTAL VEHICLE -1398 CONFIG

0A44 UPWT 1035 CONF 4 B19C7E23F5M4R5V7W107X16 (RPNT19)

PARAMETRIC VALUES  
 BETA .000 BLEVER .000  
 AILRON .000 FLADBR .000  
 BDFLAP -14.250 SPDRK 54.520

REFERENCE INFORMATION  
 REF 87.1280 SQ. IN.  
 LIFT 7.1270 NO. OF  
 DRP 14.0502 INCHES  
 XTRP 12.5772 INCHES  
 YTRP .0000 INCHES  
 ZTRP 6.0000 INCHES  
 SCALE .0150

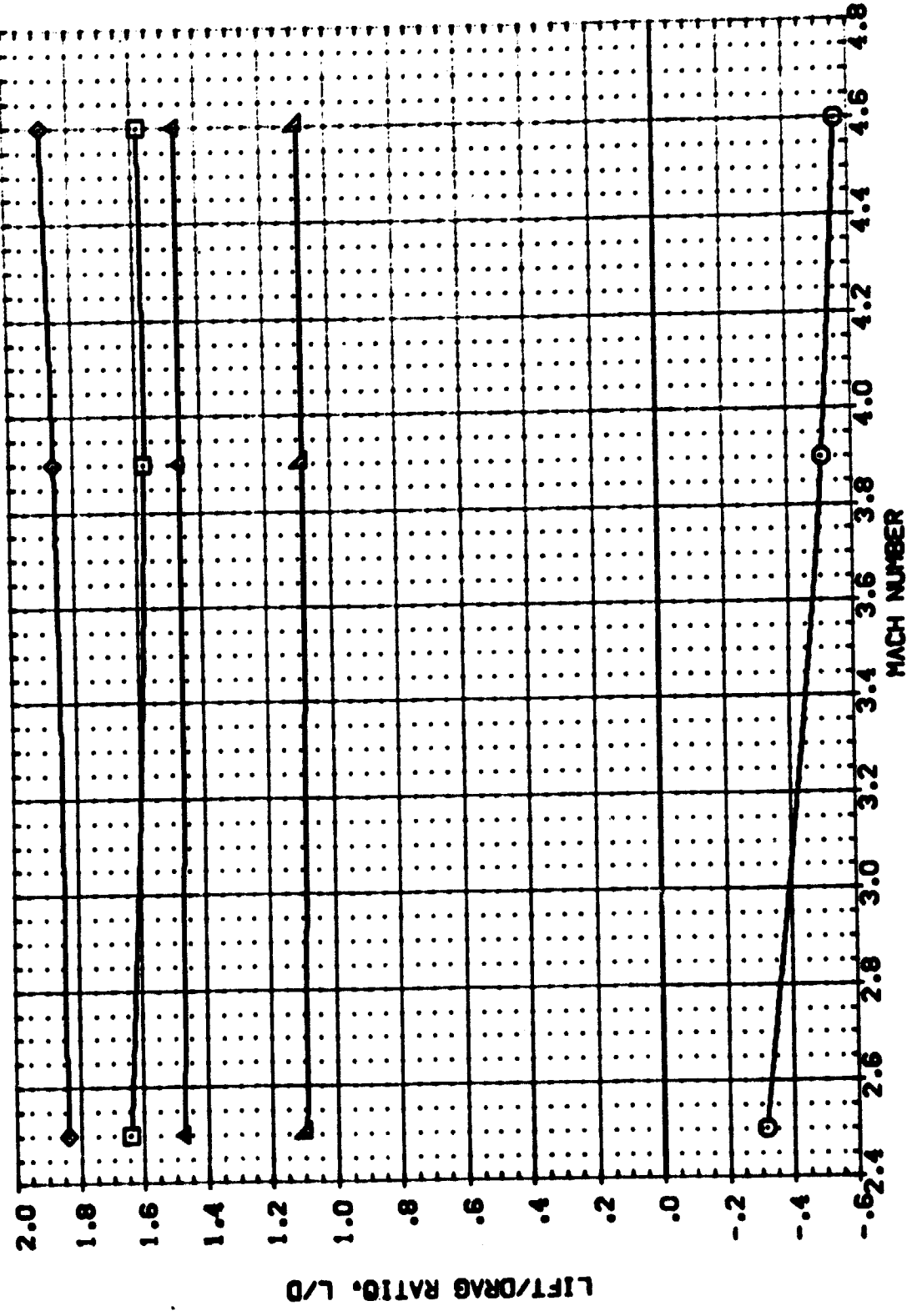


TOTAL VEHICLE -1398 CONFIG



0A44 UPWT 1035 CONF4 B21C7E23F5M4RSV7W107X16 (RPNJ25)

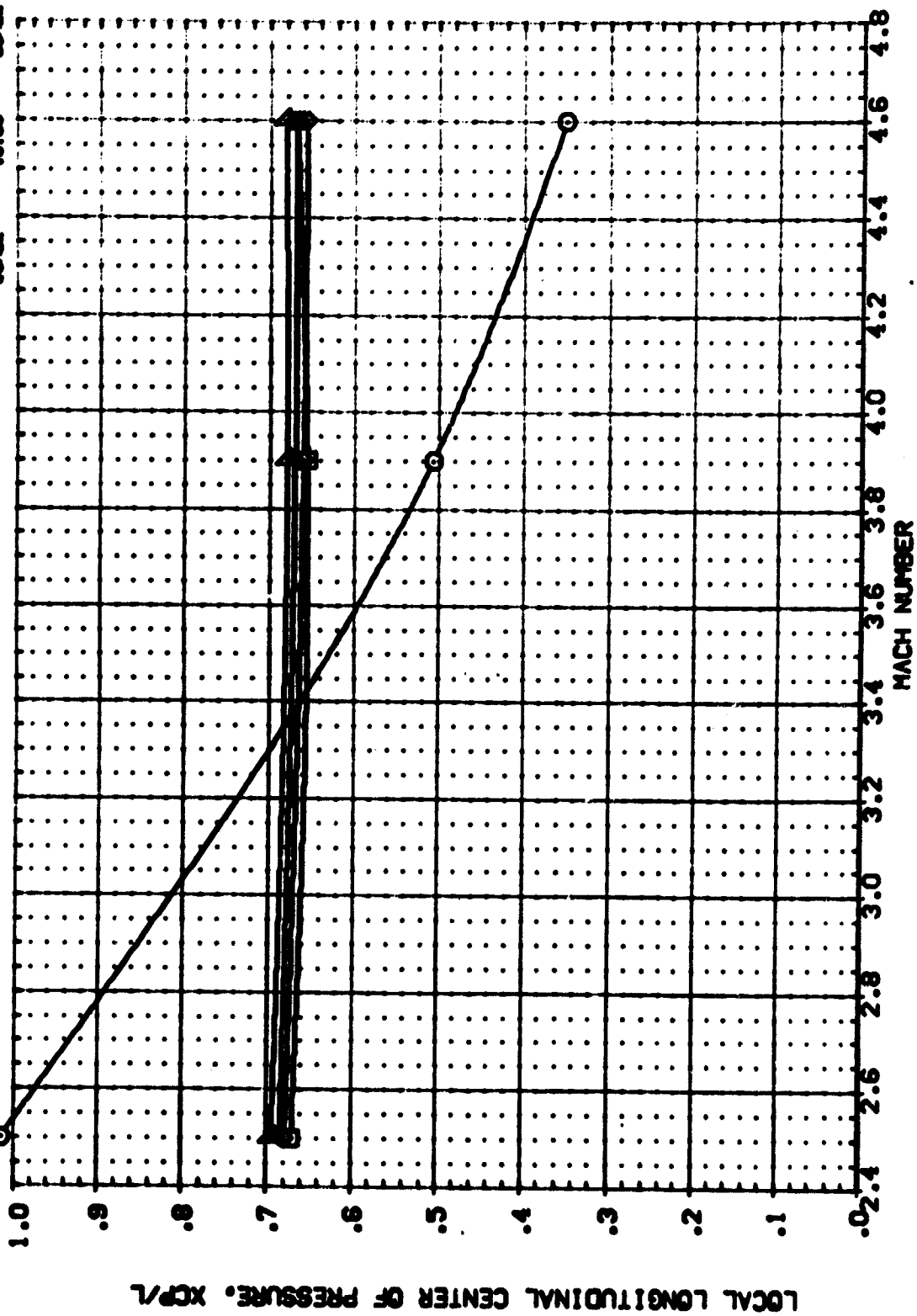
ALPHA	PARAMETRIC VALUES	REF	REFERENCE INFORMATION
.000	.000	07.1250	30 IN.
10.000	.000	7.1250	70 IN.
20.000	.000	14.0502	140 IN.
30.000	-14.250	12.5772	140 IN.
40.000	SPORK	6.0000	SCALE
		.0150	



TOTAL VEHICLE -1398 CONFIG WITH MODIFIED NOSE

0A44 UPVT 1035 CONF4 B21C7E23F5M4RSV7M107X16 (RPNU25)

ALPHA	BETA	PARAMETRIC VALUES	REF	REFERENCE INFORMATION
.000	.000	.000	07.1300	80 IN
10.000	.000	ELEVTR	07.1320	100 IN
20.000	.000	FLOOR	14.0502	140 IN
30.000	-14.250	SPORNK	12.5772	180 IN
40.000			8.0000	220 IN
			.0150	SCALE

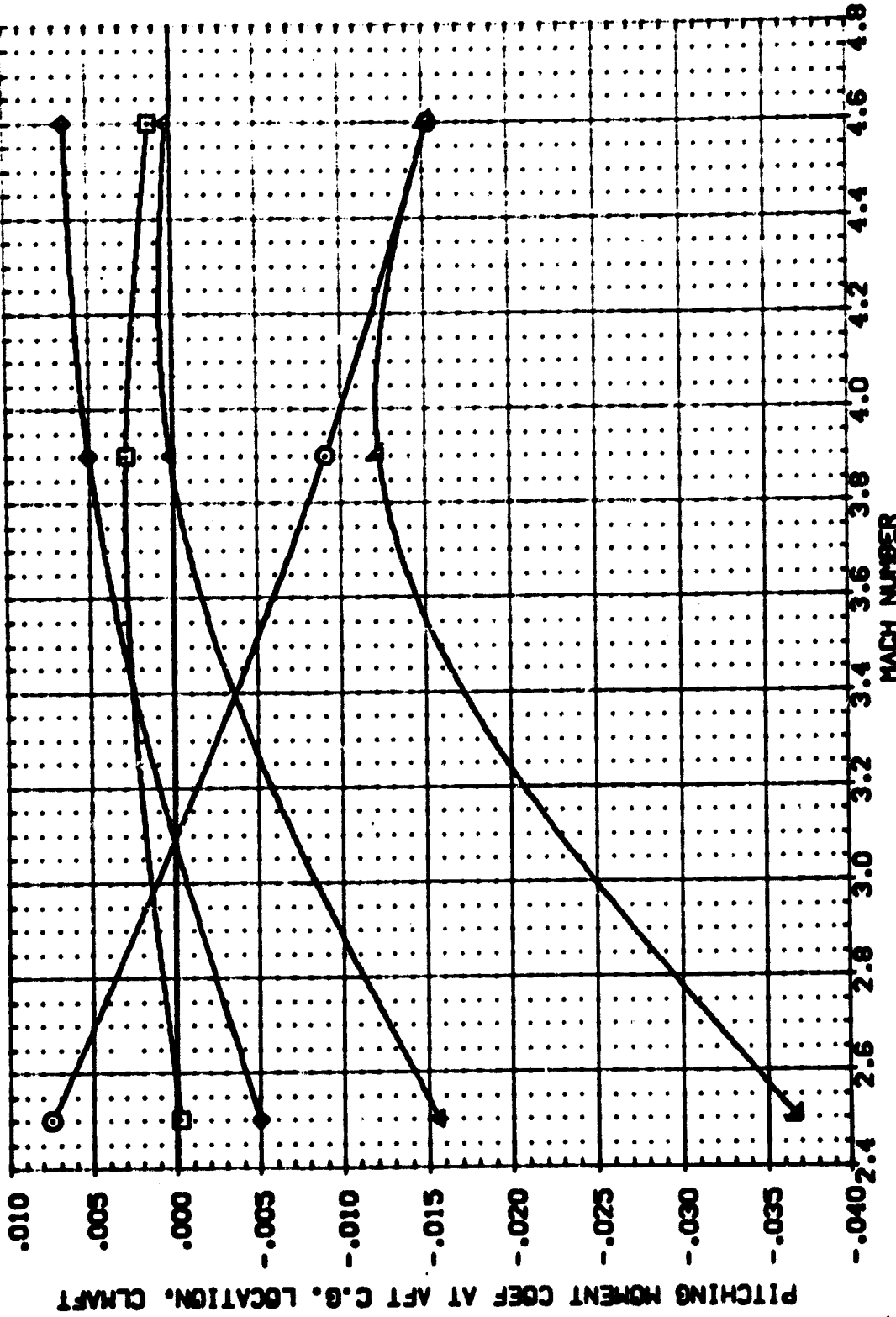


TOTAL VEHICLE -1398 CONFIG WITH MODIFIED NOSE

0A44 UPWT 1035 CONF4 B21C7E23F5M4R5V7W107X16 (VPNZ25)

ALPHA .000 BETA .000  
 10.000 .000 ELEVTR .000  
 20.000 .000 FLOOR .000  
 40.000 -14.250 SPURK 94.000

REFERENCE INFORMATION  
 87.0000  
 7.1220  
 14.0000  
 12.0000  
 6.0000  
 6.0000  
 .0150

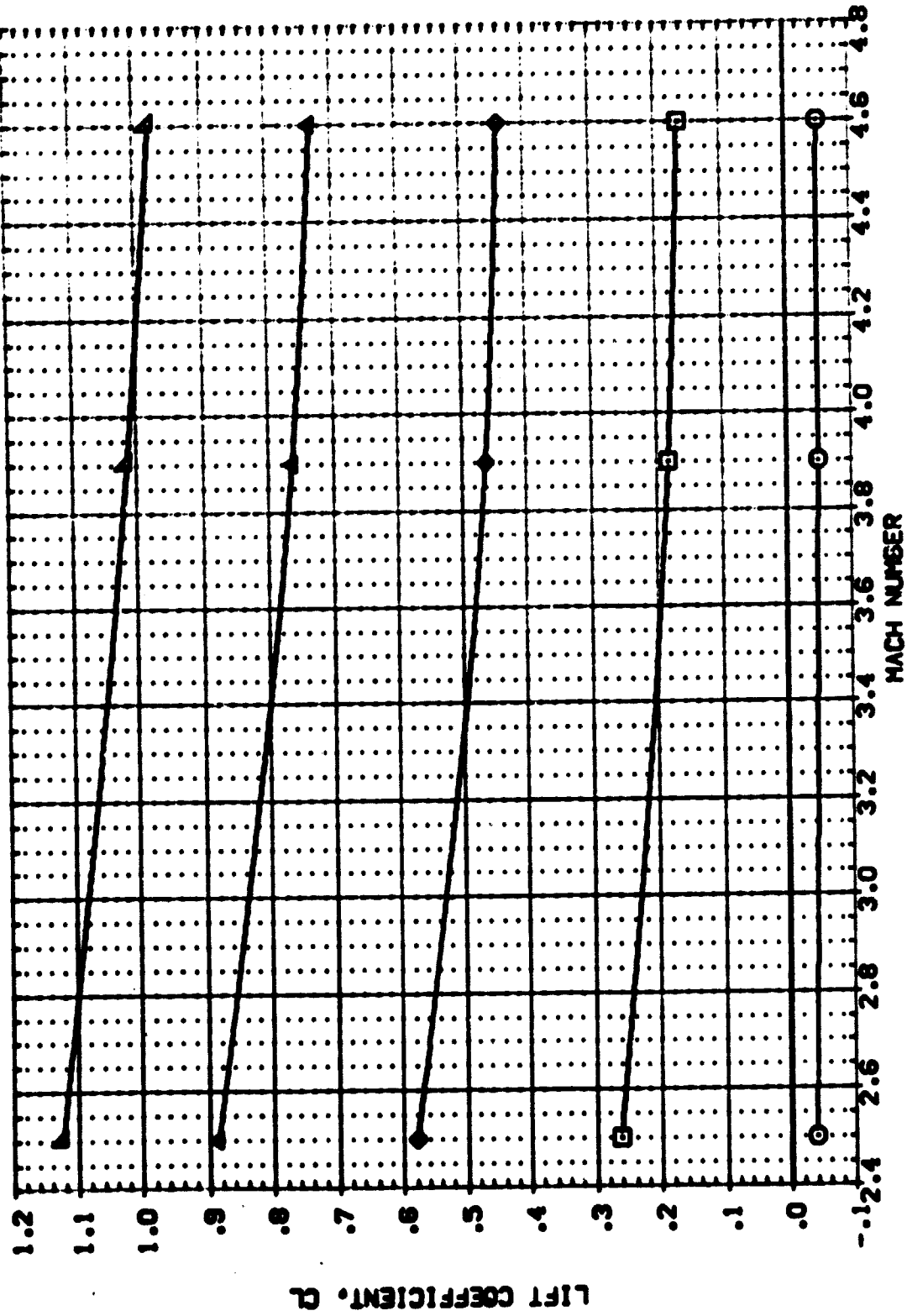


TOTAL VEHICLE -1398 CONFIG WITH MODIFIED NOSE

BA44 UPWT 1035 CONF4 B21C7E23F5K4RSV7V107X16 (RPNG25)

ALPHA	BETA	PARAMETRIC VALUES	
.000	.000	ELEVTR	.000
10.000	.000	FLDOPR	.000
20.000	BDFLAP	SPDRNK	54.000
30.000			
40.000			

REFERENCE INFORMATION	
REF	87.1250
LEV	7.1250
LEV	13.0000
TRAP	0.0000
ZAMP	0.0000
SCALE	0.0150



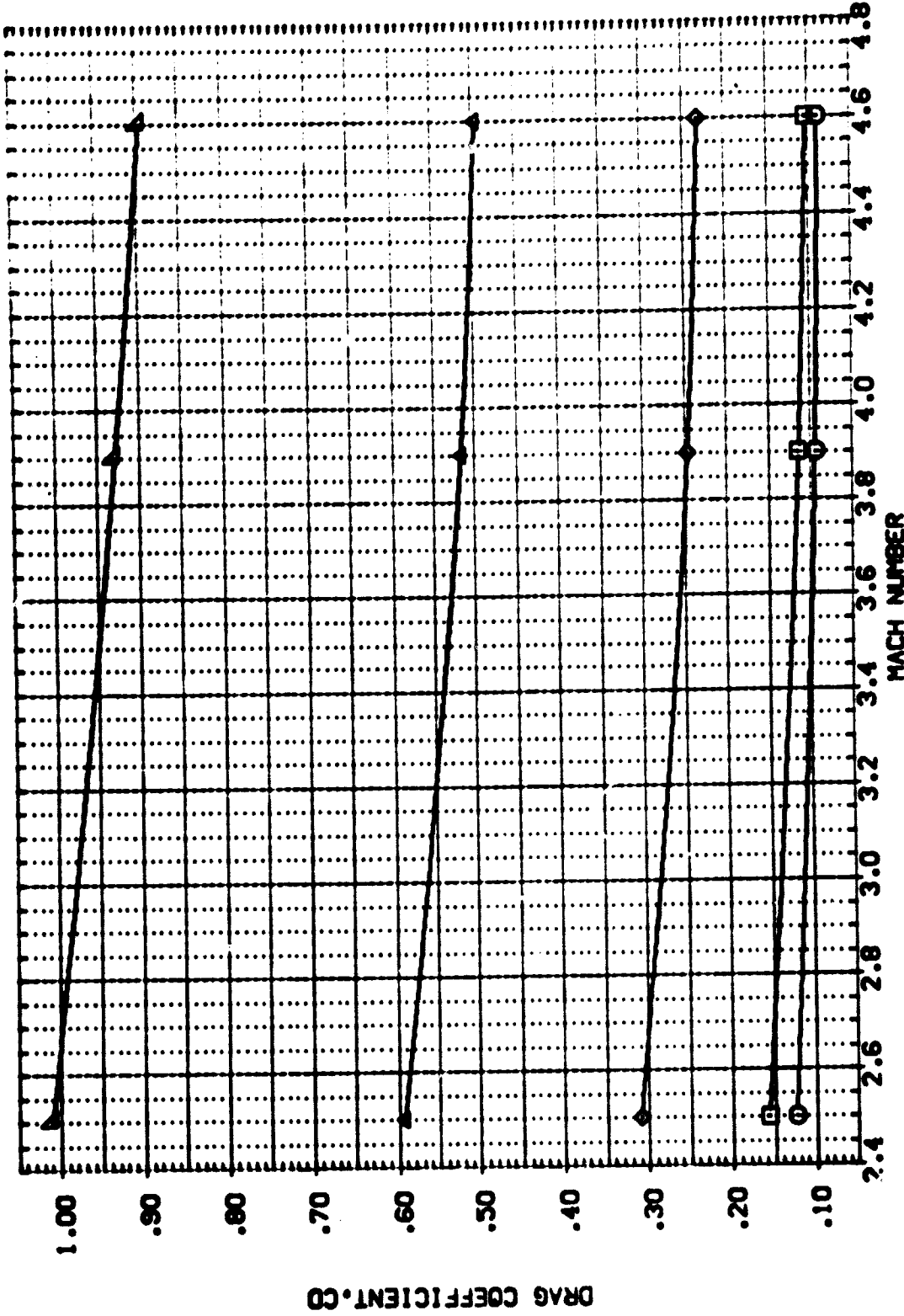
REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TOTAL VEHICLE -1398 CONFIG WITH MODIFIED NOSE

0A44 UPWT 1035 CONF4 821C7E23F5M4RSV7M107X16 (RPN625)

ALPHA	BETA	PARAMETRIC VALUES	
.000	.000	ELEVTR	.000
10.000	.010	RUBDR	.000
20.000	-14.250	SPDRK	54.000
40.000			

REFERENCE INFORMATION	
SPR	07.1500
W	7.1220
W	14.0000
W	12.0000
W	0.0000
W	0.0000
SCALE	0.0150



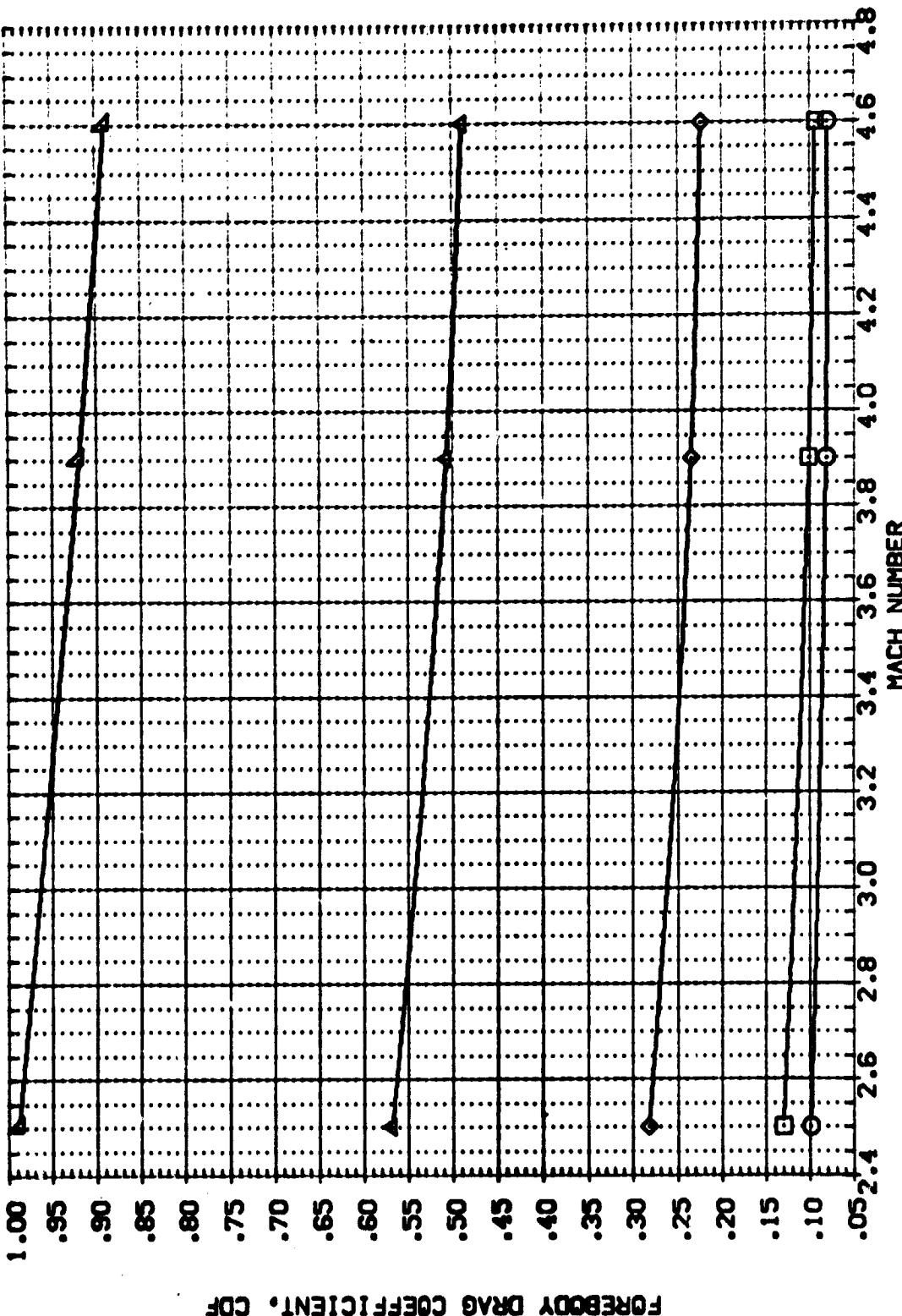
TOTAL VEHICLE -1398 CONFIG WITH MODIFIED NOSE



GA44 UPVT 1035 CONF4 B21C7E23F5M4RSV7W107X16 (RPN625)

PARAMETRIC VALUES  
 ALPHA .000 BETA .000 ELEVTR .000  
 10.000 AILTRN .000 RUDDR .000  
 20.000 BDFLAP -14.250 SPOBRK 54.920  
 30.000  
 40.000

REFERENCE INFORMATION  
 SREF 87.1580 50. IN.  
 LREF 7.1270 INCHES  
 BREF 14.0502 INCHES  
 XPRP 12.5772 INCHES  
 YPRP .0000 INCHES  
 ZPRP 6.0000 INCHES  
 SCALE .0150 SCALE



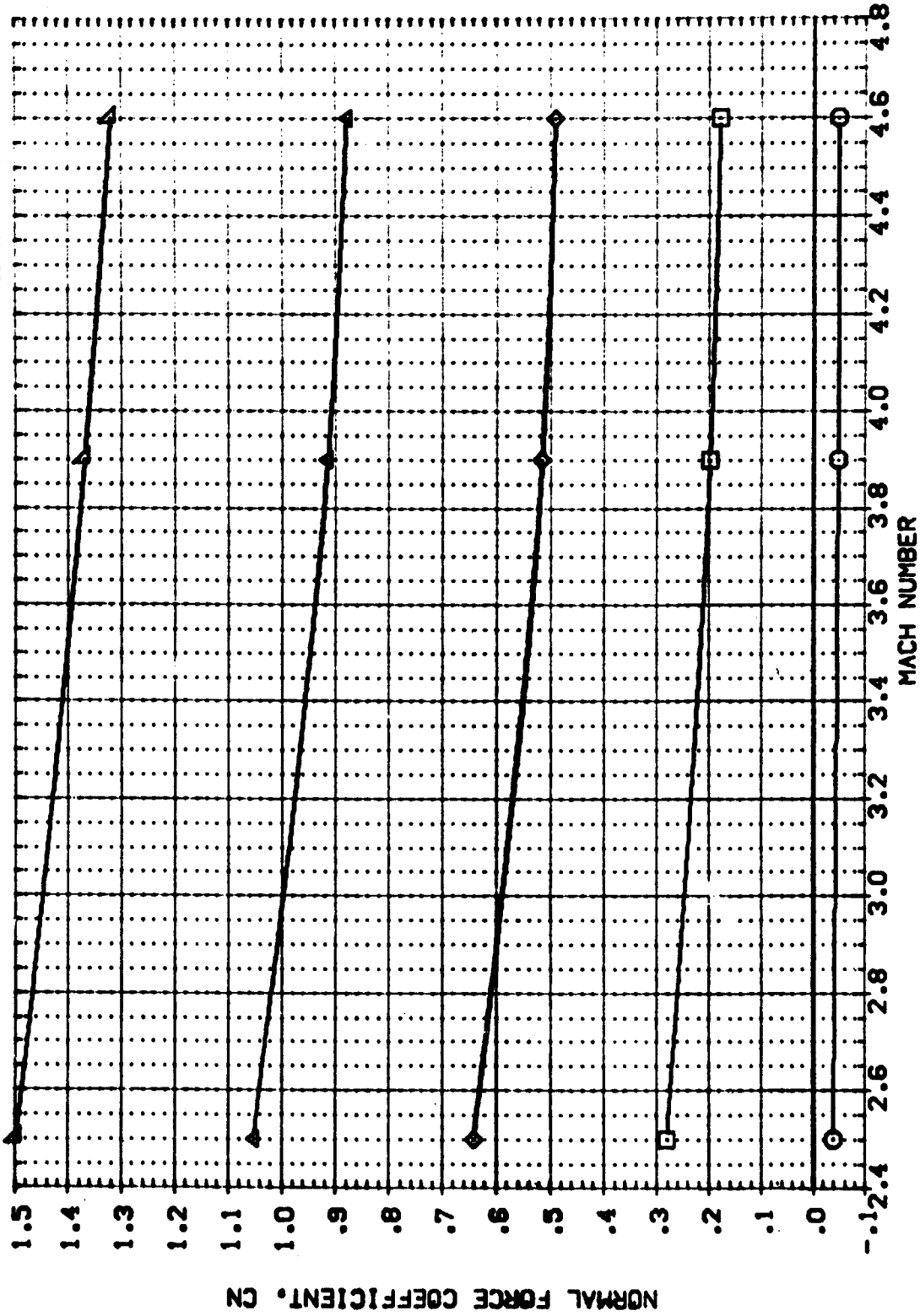
TOTAL VEHICLE -1398 CONFIG WITH MODIFIED NOSE

0A14 UPVT 1035 CONF 4 B21C7E23F5M4R5V7W107X16 (RPN625)

REFERENCE INFORMATION  
 SREF 87.1560 89 IN.  
 LREF 7.1220 INCHES  
 BRFP 14.0502 INCHES  
 XMRP 12.5772 INCHES  
 YMRP 6.0000 INCHES  
 ZMRP 6.0000 INCHES  
 SCALE .0150

PARAMETRIC VALUES  
 BETA .000 ELEVTR .000  
 AILTRN .000 RUDDER .000  
 BDFLAP -14.250 SPDGRK 54.920

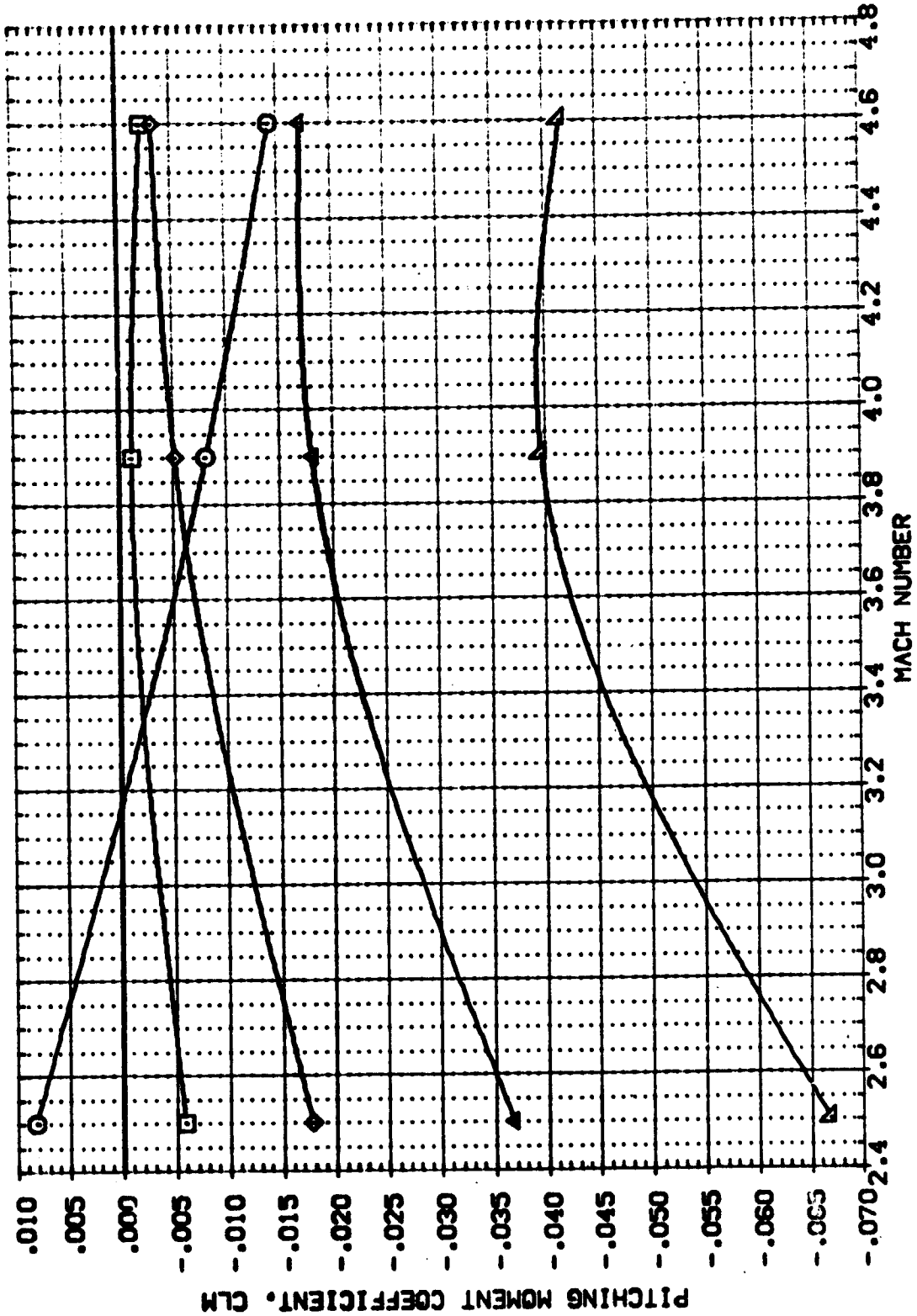
ALPHA  
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 10.000  
 20.000  
 30.000  
 40.000



TOTAL VEHICLE -1398 CONFIG WITH MODIFIED NOSE

0A44 UPWT 1035 CONF4 B2:C7E23F5M4R5V7W107X16 (RPNG25)

PARAMETRIC VALUES		REFERENCE INFORMATION	
ALPHA	.000	SREF	67.1580
BETA	.000	L REF	7.1220
AILRON	.000	E REF	14.0502
BDFLAP	-14.250	XTRP	12.5772
ELEVTR	.000	YTRP	6.0000
RUDER	.000	ZTRP	6.0000
SPOBRK	54.920	SCALE	.0150
		SO. IN.	
		IN-OES	
		IN-OES	
		IN-OES	
		IN-OES	
		IN-OES	
		SCALE	

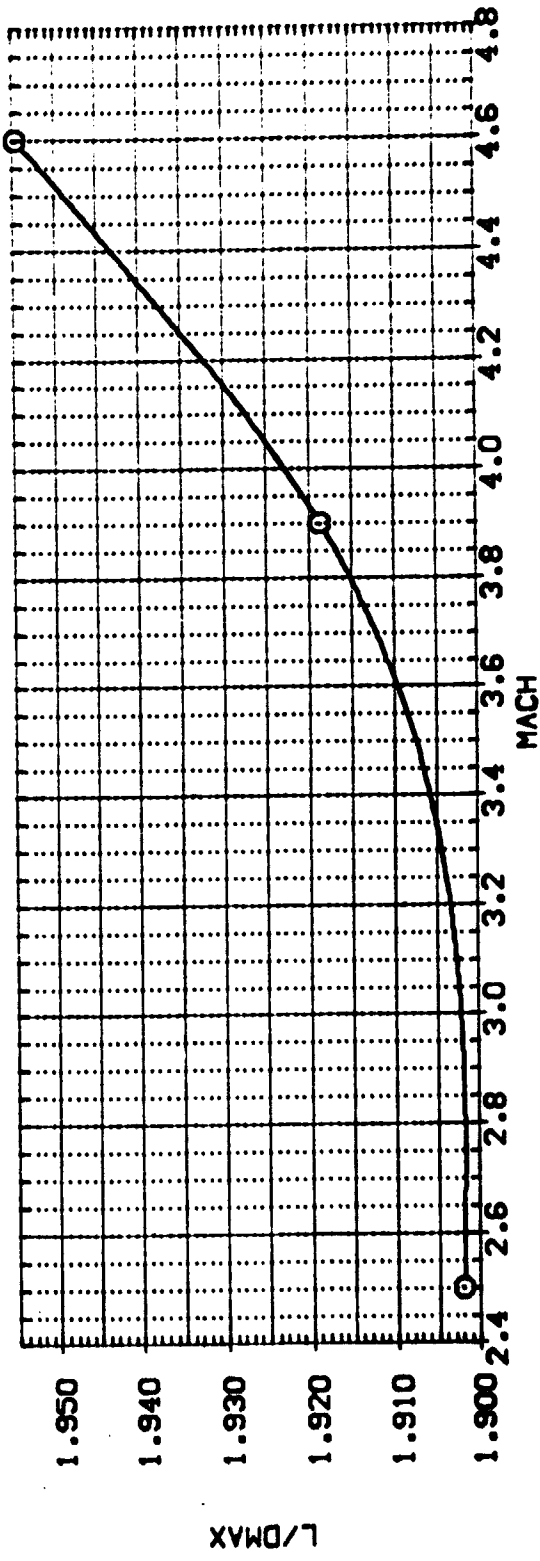
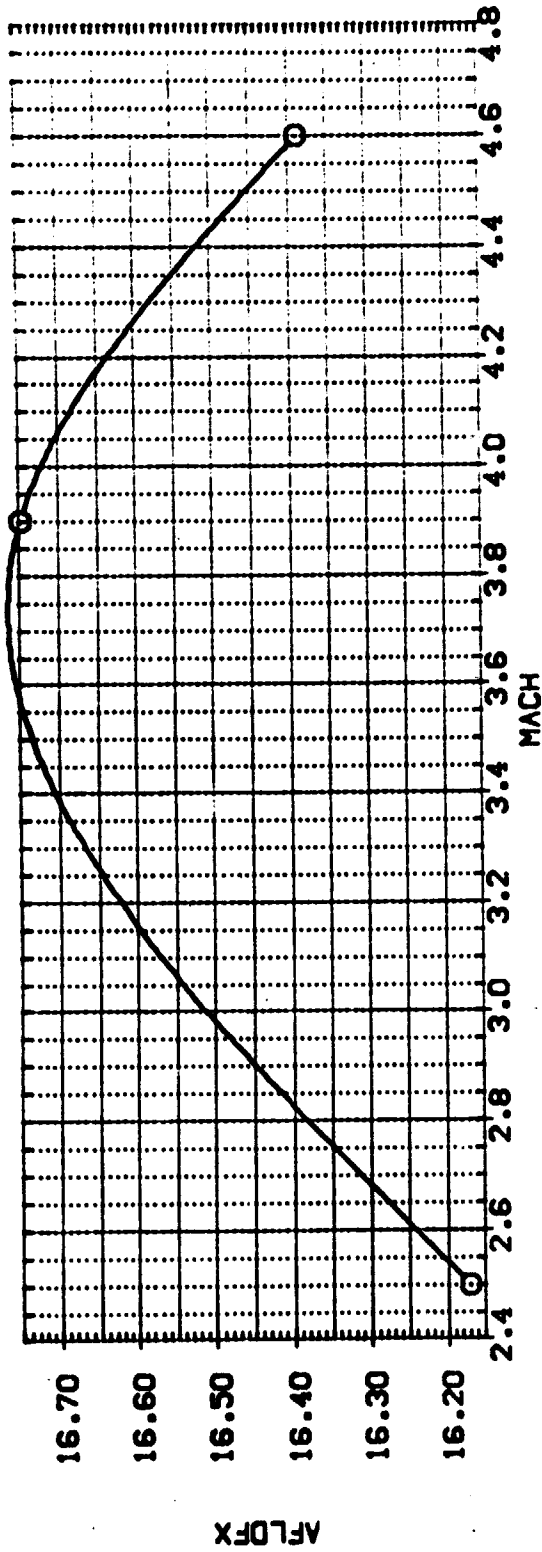


TOTAL VEHICLE -139B CONFIG WITH MODIFIED NOSE

0A44 UPWT 1035 CONF4 B21C7E23F5M4R5V7W107X16 (RPNT25)

PARAMETRIC VALUES  
 BETA .000 ELEVTR .000  
 AILTRN .000 RUDDER .000  
 SDFLAP -14.250 SPODRK 54.920

REFERENCE INFORMATION  
 SREF 87.1580  
 LREF 7.1220  
 XREF 14.0502  
 YREF 12.5772  
 ZREF .0000  
 SCALE 6.0000  
 SCALE .0150



TOTAL VEHICLE -139B CONFIG WITH MODIFIED NOSE

DATA SET SYMBL.    CONFIGURATION DESCRIPTION  
 (RPNED)    ○    0A44 UPVT 1035 CONF-2A B10C3D7GFAV87E189V5X16  
 (RPNED)    □    0A44 UPVT 1035 CONF-2A B10C3D7GFAV87E189V5X16  
 (RPNED)    ◇    0A44 UPVT 1035 CONF-2A B10C3D7GFAV87E189V5X16

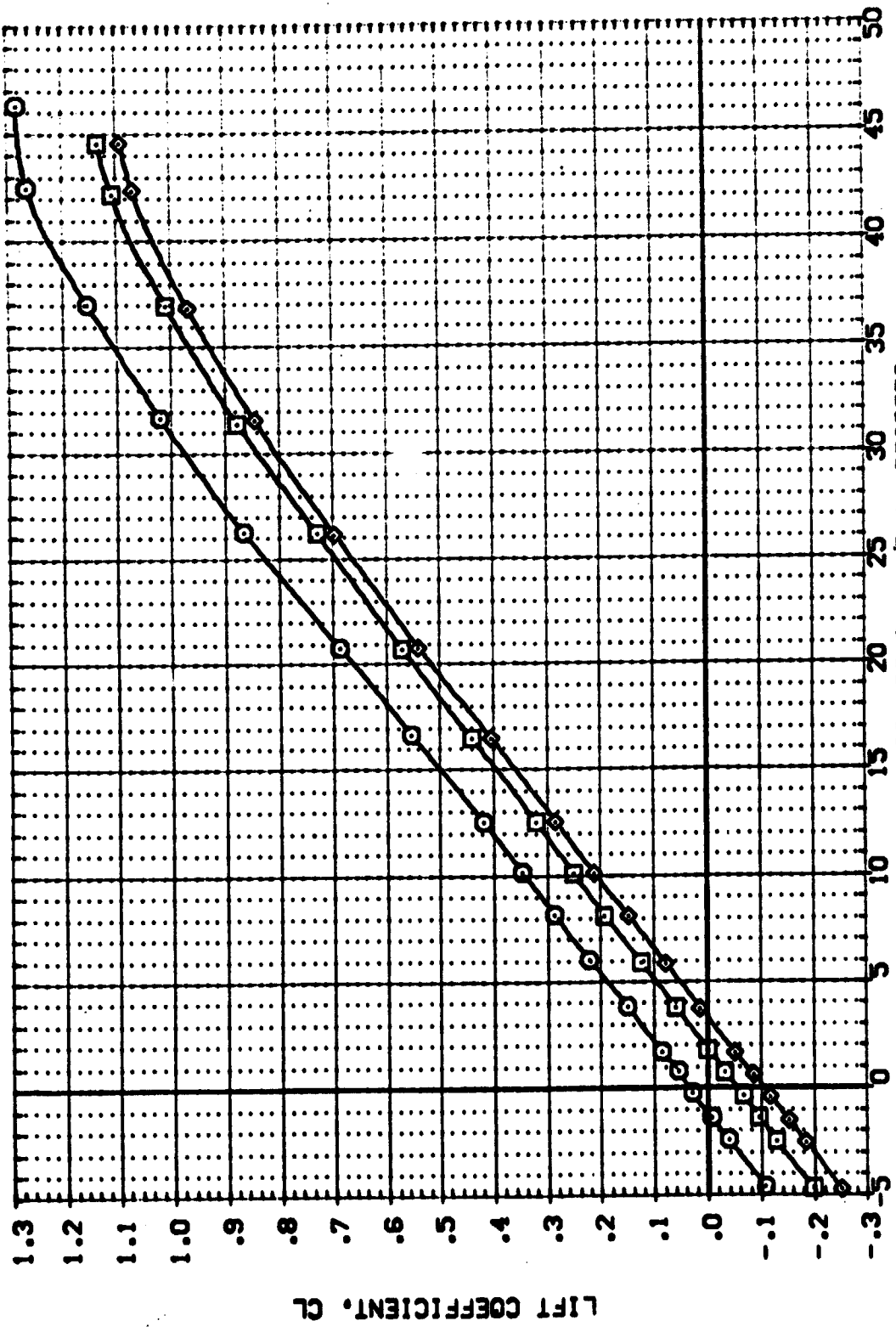
ELEVTR    10.000  
 -20.000  
 -40.000

ELEVTR    13.750  
 -14.250  
 -14.250

SPDRK    54.820  
 54.820  
 54.820

RUDDER    .000  
 .000  
 .000

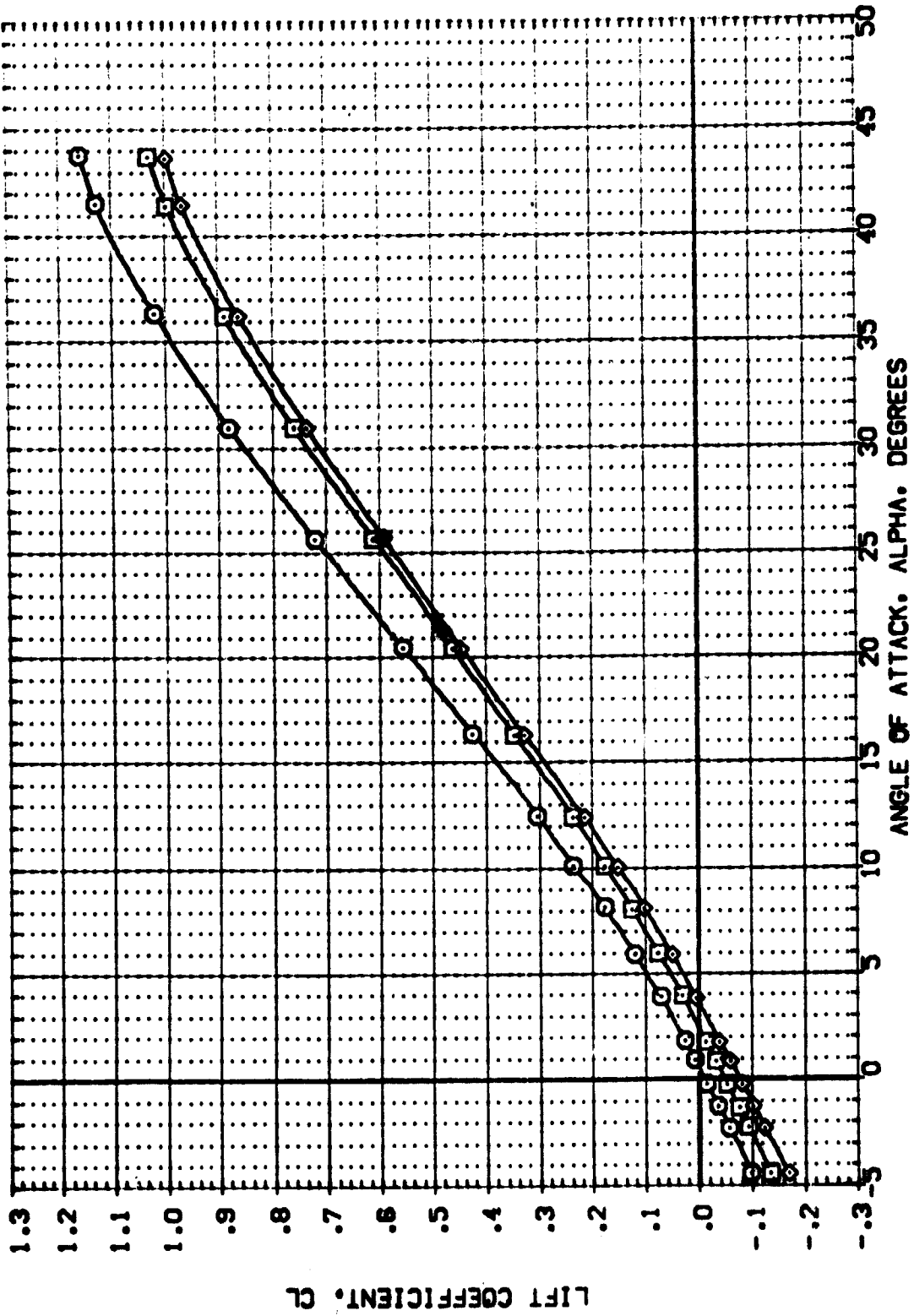
REFERENCE INFORMATION  
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 LREF    7.1720    INCHES  
 BREF    14.0502    INCHES  
 XTRP    13.1469    INCHES  
 YTRP    .0000    INCHES  
 ZTRP    6.0000    INCHES  
 SCALE    .0150    SCALE



ELEVONS DEFLECTED -898 CONFIG

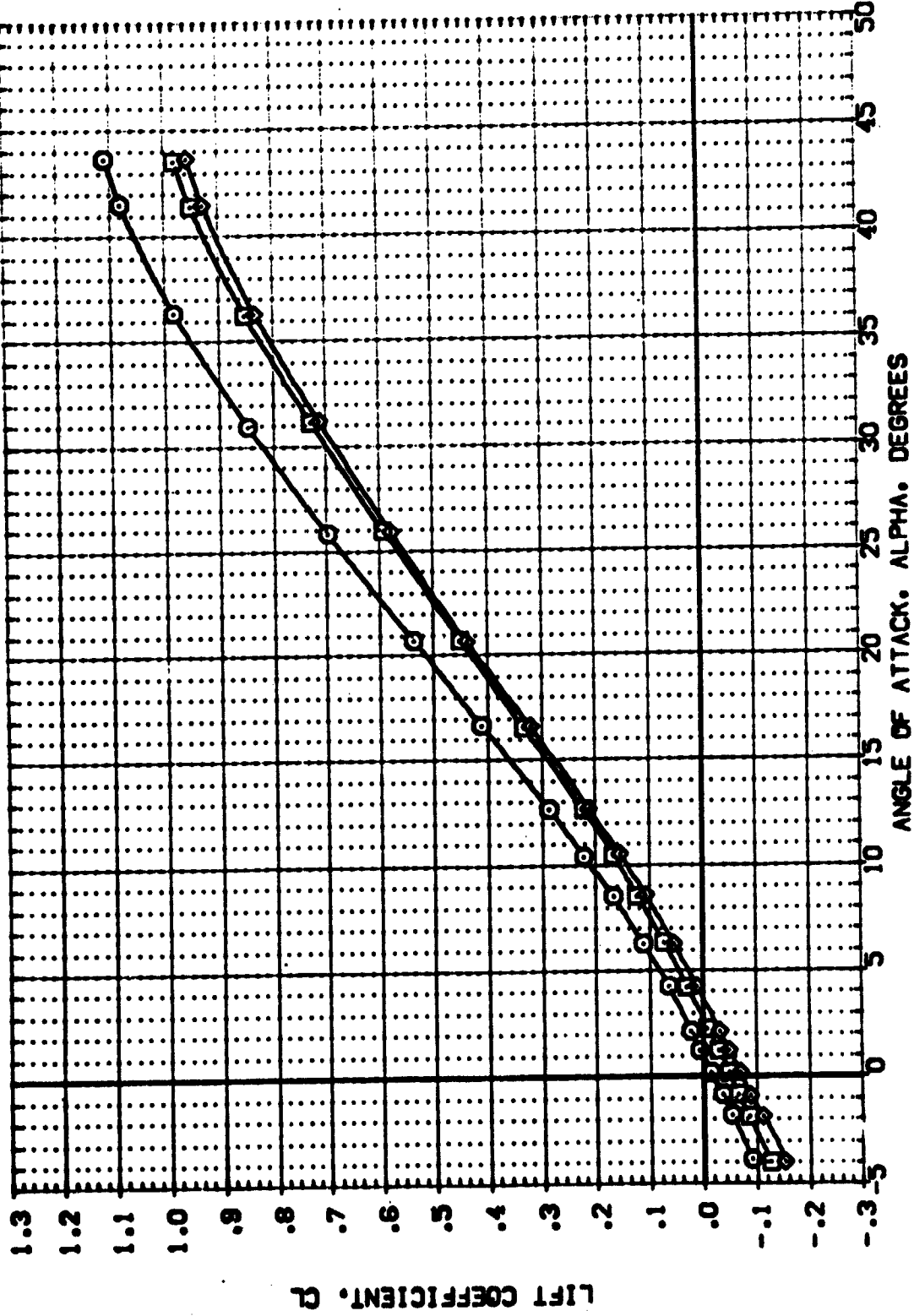
(M)MACH = 2.50

DATA SET SYMBL.	CONFIGURATION DESCRIPTION	ELEVTR	EDFLAP	SPOBK	RUDBR	REFERENCE INFORMATION
[SYMBOL]	DATA UPVT 105 CONF-2A BLOCSTRUC-4M7E BLOCSTRUC-18	19.000	13.750	54.520	.000	SO. IN.
[SYMBOL]	DATA UPVT 105 CONF-2A BLOCSTRUC-4M7E BLOCSTRUC-18	-20.000	-14.250	54.520	.000	INO-ES
[SYMBOL]	DATA UPVT 105 CONF-2A BLOCSTRUC-4M7E BLOCSTRUC-18	-20.000	-14.250	54.520	.000	INO-ES
						INO-ES
						INO-ES
						INO-ES
						SCALE
						SCALE



ELEVONS DEFLECTED -898 CONFIG  
(8)MACH = 3.90

DATA SET SYMBOL:  $\hat{\circ}$  CONFIGURATION DESCRIPTION: DATA UPT 1005 CONF-2A B10C307H-3-1N7E1 BREV3A118  
 {RPM05} DATA UPT 1005 CONF-2A B10C307H-3-1N7E1 BREV3A118  
 {RPM05} DATA UPT 1005 CONF-2A B10C307H-3-1N7E1 BREV3A118  
 REFERENCE INFORMATION: SO IN: 50.1500  
 SREF: 07.1500 NO-ES  
 LREF: 7.1200 NO-ES  
 BREF: 14.0500 NO-ES  
 XTRP: 13.1469 NO-ES  
 YTRP: 0.0000 NO-ES  
 ZTRP: 0.0000 NO-ES  
 SCALE: 0.0150 SCALE

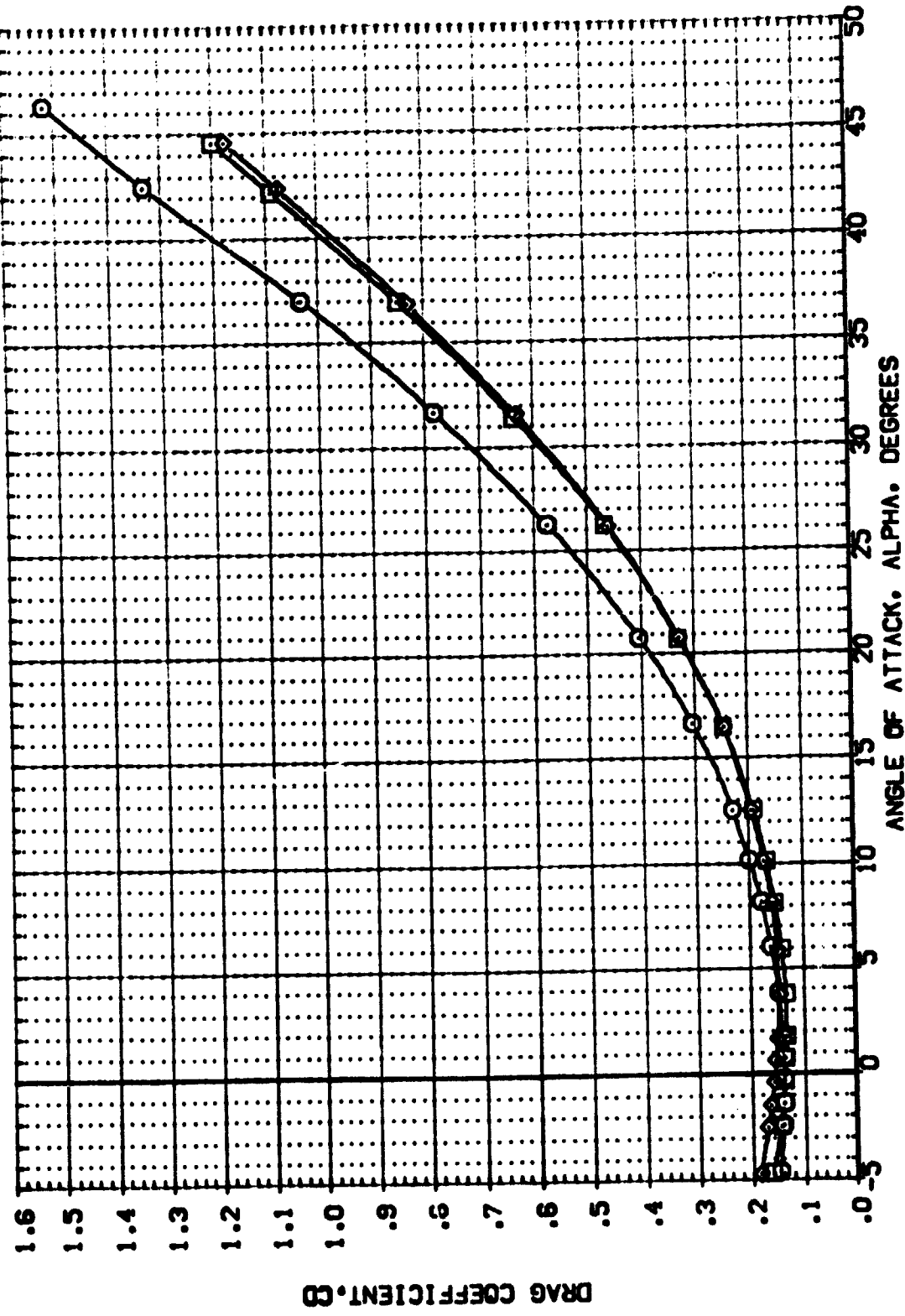


ELEVONS DEFLECTED -89B CONFIG

(C)MACH = 4.60

DATA SET SPEED. CONFIGURATION DESCRIPTION  
 { 1000 } DATA UNVT 1000 CONF-2A BLOC2000P-1407E BLOC2000P-1407E  
 { 1000 } DATA UNVT 1000 CONF-2A BLOC2000P-1407E BLOC2000P-1407E  
 { 1000 } DATA UNVT 1000 CONF-2A BLOC2000P-1407E BLOC2000P-1407E

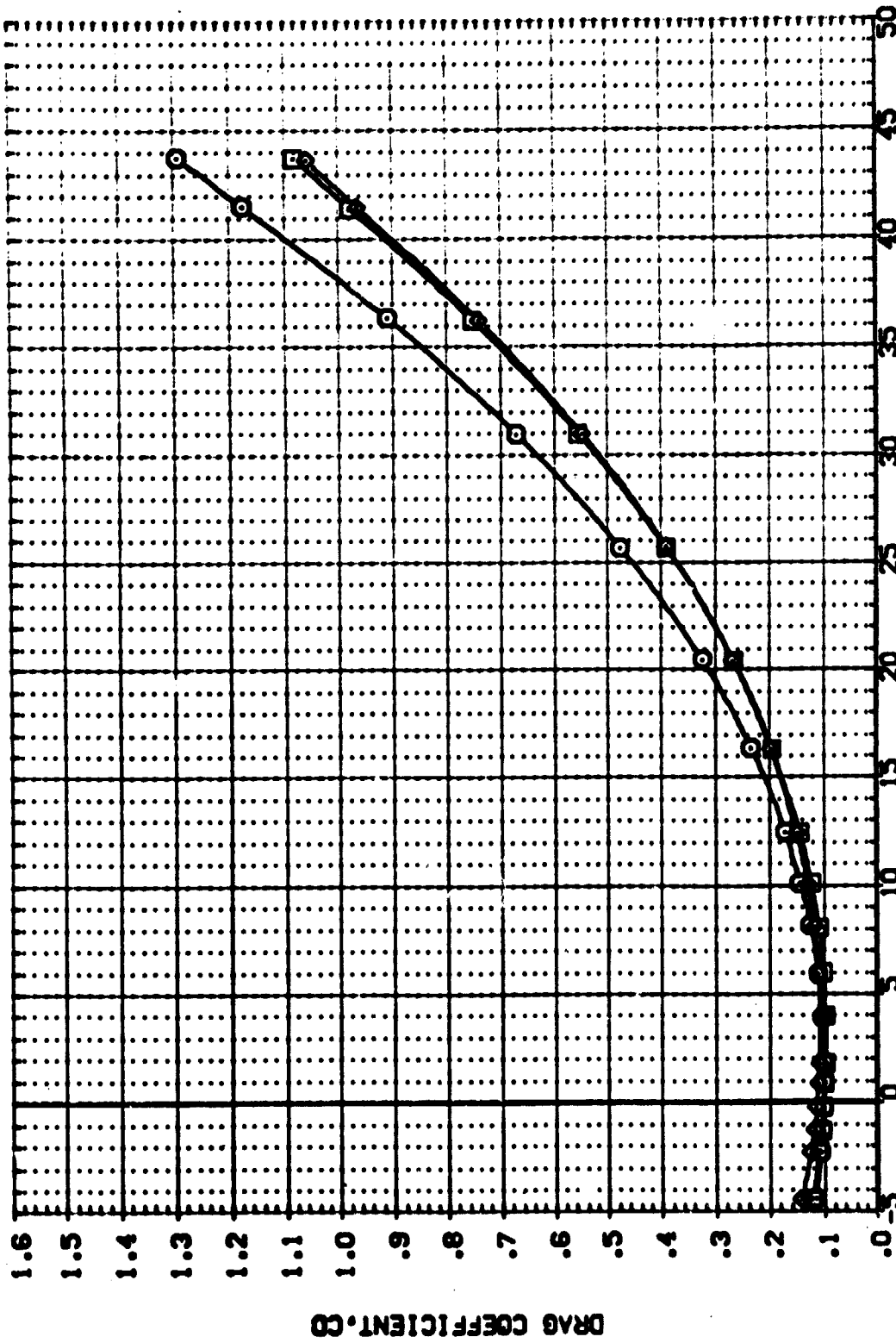
ELEVTR DEF LAP SPURK FLOOR REFERENCE INFORMATION  
 10.000 13.750 5.000 .000 87.1500 90.00 IN.  
 -20.000 -14.250 54.000 .000 7.1220 IN.-ES  
 -40.000 -14.250 54.000 .000 14.0500 IN.-ES  
 -40.000 -14.250 54.000 .000 13.1400 IN.-ES  
 6.0000 6.0000 6.0000 6.0000 IN.-ES  
 .0150 .0150 SCALE



ELEVONS DEFLECTED -898 CONFIG  
 (A)MACH = 2.50



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	EDFLAP	SPOBRK	RUDGER	REFERENCE INFORMATION
{MPHED}	0M44 UPVT 1005 CONF-2A 8100307MG-4M7E 8988818	10.000	13.750	54.320	.000	07.1500 50. IN.
{MPHED}	0M44 UPVT 1005 CONF-2A 8100307MG-4M7E 8988818	-20.000	-14.250	54.320	.000	7.1220 INO-ES
{MPHED}	0M44 UPVT 1005 CONF-2A 8100307MG-4M7E 8988818	-40.000	-14.250	54.320	.000	14.0500 INO-ES
						13.1450 INO-ES
						.0000 INO-ES
						.0000 INO-ES
						6.0000 INO-ES
						.0150 SCALE



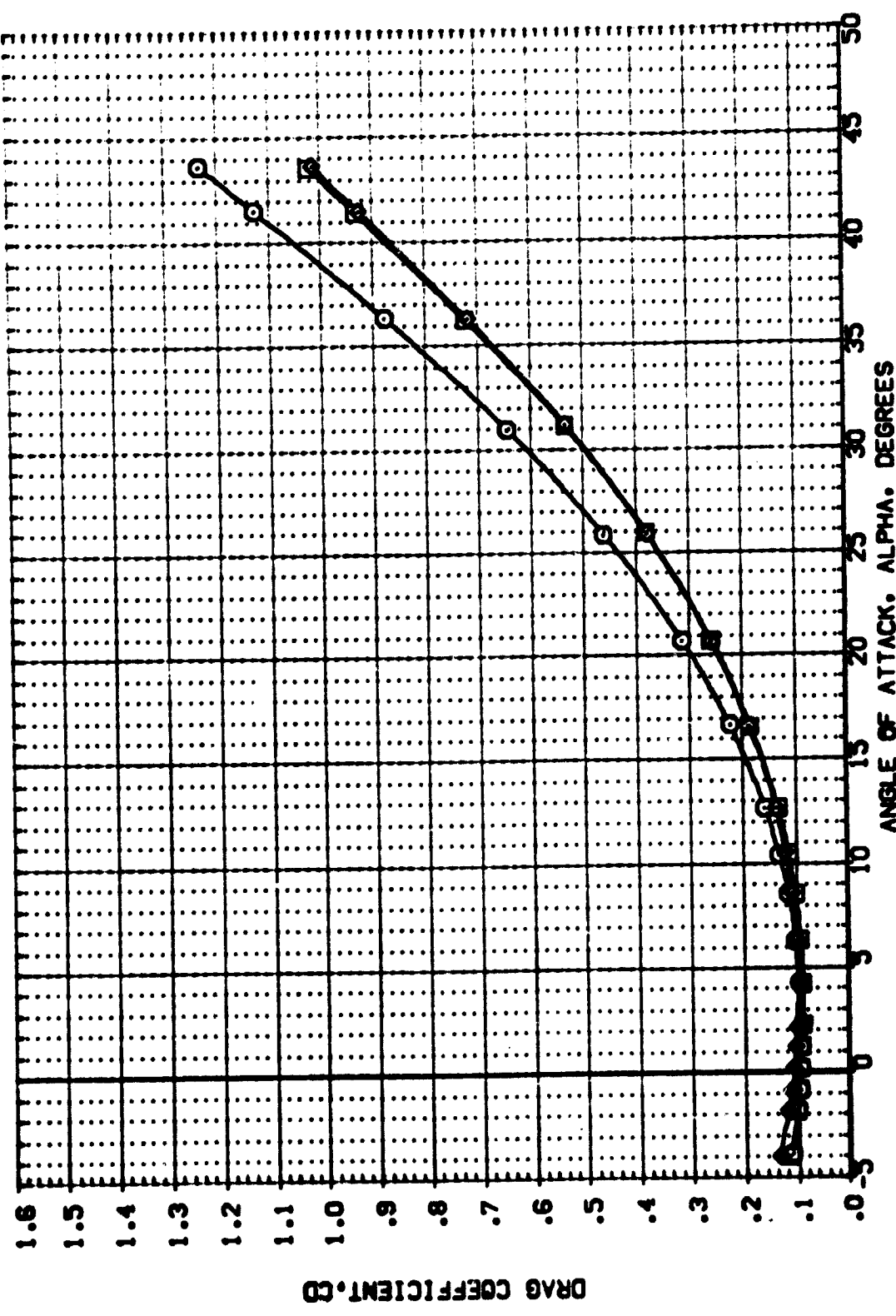
ELEVONS DEFLECTED -898 CONFIG

(8)MACH = 3.90

DATA SET SYMOL: 8  
 CONFIGURATION DESCRIPTION: 898-2A  
 REFERENCE INFORMATION:  
 SHEET: 67.1580  
 UNIT: 7.1220  
 MASS: 14.1450  
 YMRP: 13.1458  
 ZMRP: 6.0000  
 SCALE: 6.0150

FLUDDER: .000  
 SPONSK: 34.500  
 EDLAP: 13.750  
 ELEVTR: 10.000  
 SPOBCK: 34.500  
 SPOBCK: 34.500  
 SPOBCK: 34.500

DATA SET SYMOL: 8  
 CONFIGURATION DESCRIPTION: 898-2A  
 REFERENCE INFORMATION:  
 SHEET: 67.1580  
 UNIT: 7.1220  
 MASS: 14.1450  
 YMRP: 13.1458  
 ZMRP: 6.0000  
 SCALE: 6.0150



ELEVONS DEFLECTED -898 CONFIG

(C)MACH = 4.60



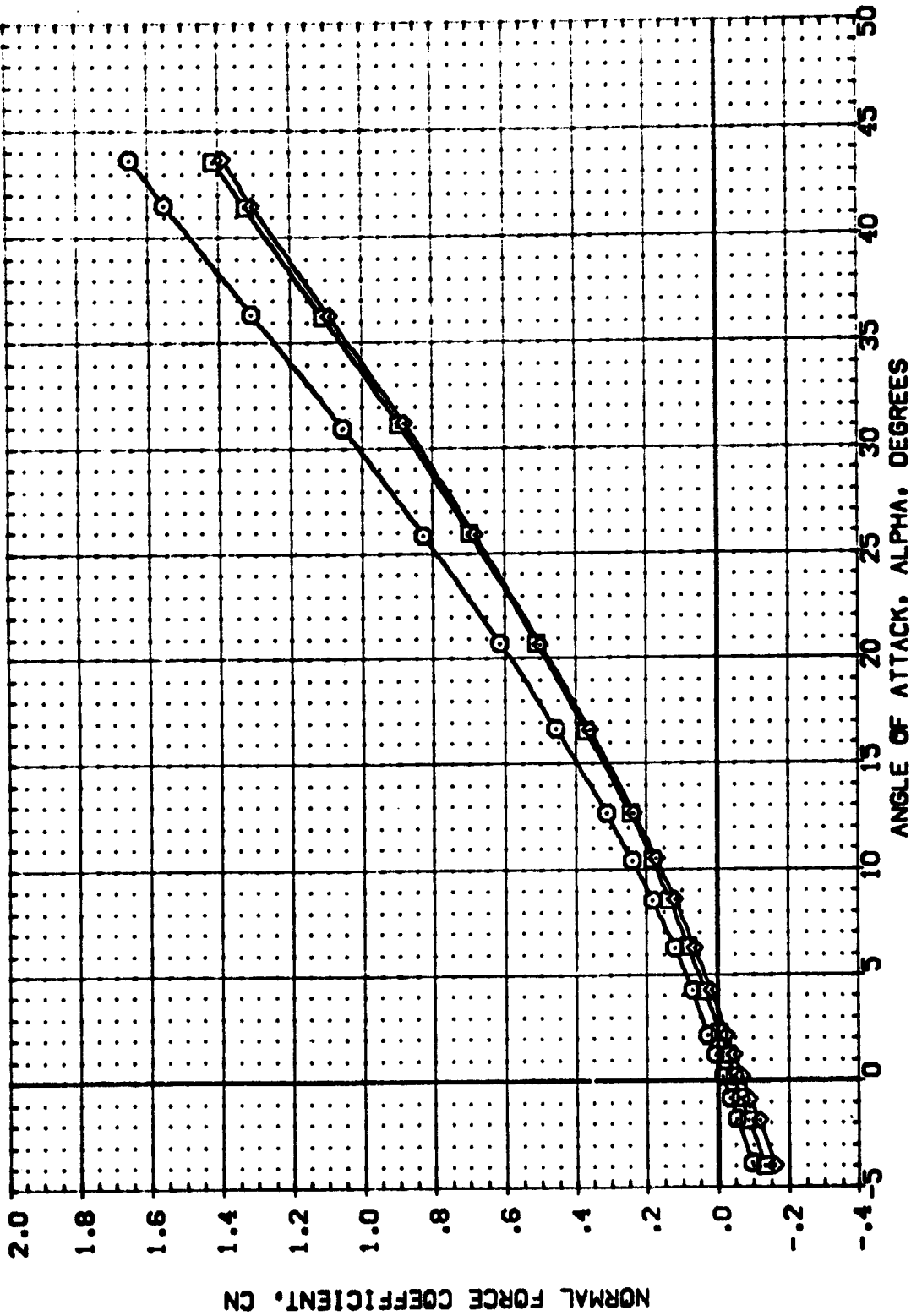








DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BLEVR	EDFLAP	SPWRK	FLOOR	REFERENCE INFORMATION
(SYMBOL)	0444 UPVT 1000 CONF-2A BLOC5077G-14W7E18P5V3R16	10.000	13.750	54.500	.000	SNBT 87.1500 50. IN.
(SYMBOL)	0444 UPVT 1000 CONF-2A BLOC5077G-14W7E18P5V3R16	10.000	-14.250	54.500	.000	LAFB 7.1200 100.00
(SYMBOL)	0444 UPVT 1000 CONF-2A BLOC5077G-14W7E18P5V3R16	-10.000	-14.250	54.500	.000	BRFB 14.0000 100.00
						VRFB 13.1400 100.00
						TVFB 0.0000 100.00
						ZVFB 6.0000 100.00
						SCALE .0150



ELEVONS DEFLECTED -89B CONFIG

(C)MACH = 4.60





DATA SET SYMBOL:  $\diamond$  CONFIGURATION DESCRIPTION: DATA UPVT 1088 CONF-2A BUCS377HF-4M7E BUCS377HF-4M7E BUCS377HF-4M7E  
 [REVISED] DATA UPVT 1088 CONF-2A BUCS377HF-4M7E BUCS377HF-4M7E BUCS377HF-4M7E  
 [REVISED] DATA UPVT 1088 CONF-2A BUCS377HF-4M7E BUCS377HF-4M7E BUCS377HF-4M7E

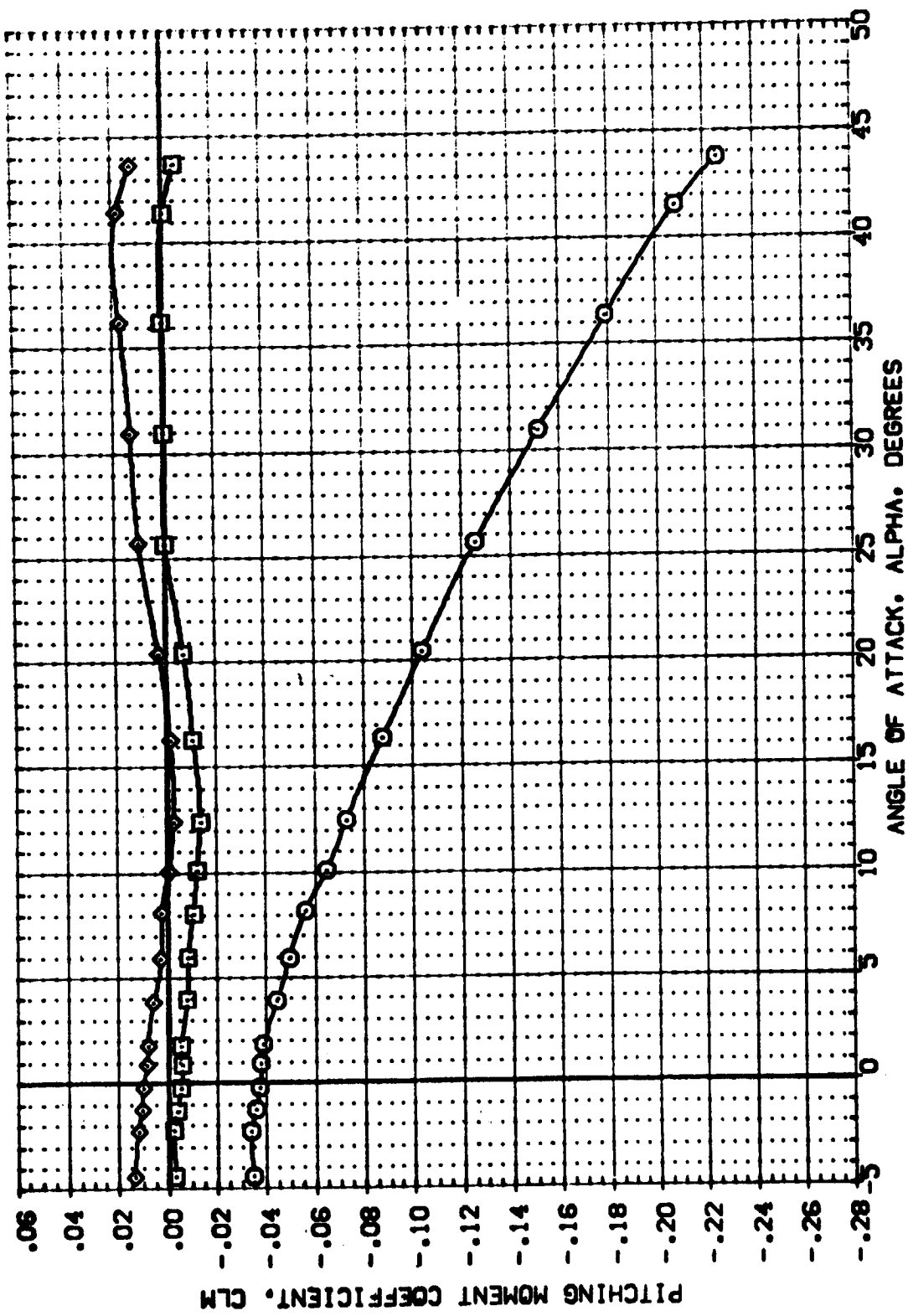
REFERENCE INFORMATION: REF: 87.1980 SO. IN.: 50. IN.  
 LIFT: 7.1270 NO. 63  
 YPRP: 14.0903 NO. 63  
 YPRP: 13.1488 NO. 63  
 YPRP: 8.0000 NO. 63  
 YPRP: 8.0000 NO. 63  
 SCALE: .0150 SCALE

ELEVTR: 10.000 ELEVTR: 10.000  
 ELEVTR: -20.000 ELEVTR: -20.000  
 ELEVTR: -40.000 ELEVTR: -40.000

EDOFLAP: 13.750 EDOFLAP: 13.750  
 EDOFLAP: -1.250 EDOFLAP: -1.250  
 EDOFLAP: -1.250 EDOFLAP: -1.250

SPORWK: 54.520 SPORWK: 54.520  
 SPORWK: 54.520 SPORWK: 54.520  
 SPORWK: 54.520 SPORWK: 54.520

RUBBER: .000 RUBBER: .000  
 RUBBER: .000 RUBBER: .000  
 RUBBER: .000 RUBBER: .000



ELEVONS DEFLECTED -898 CONFIG

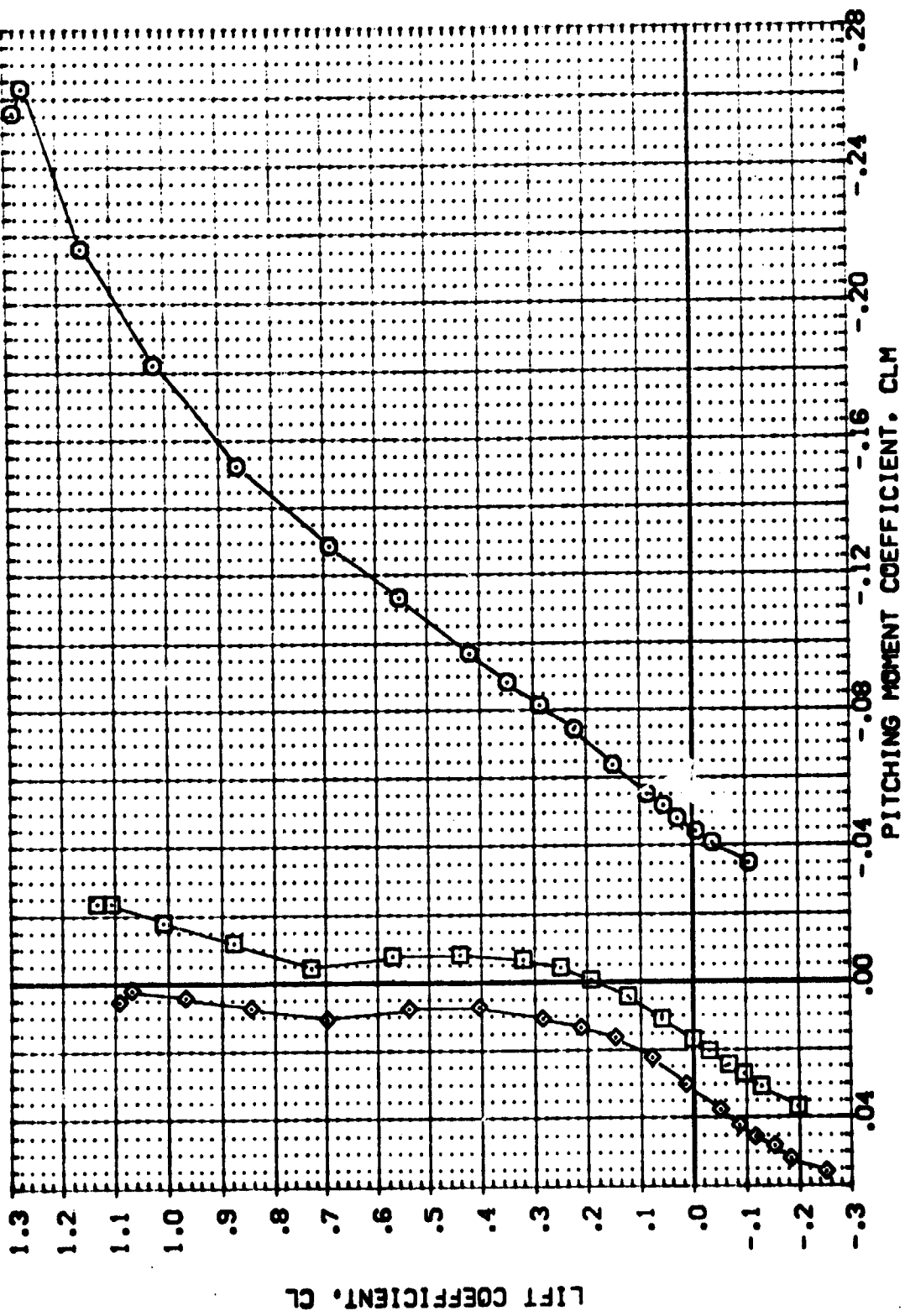
(B)MACH = 3.90



DATA SET SYMBOL: [SYMBOL] [SYMBOL] [SYMBOL]  
 CONFIGURATION DESCRIPTION: 044 LIFT 1000 CONF-2A 01050710 4107118000018  
 044 LIFT 1000 CONF-2A 01050710 4107118000018  
 044 LIFT 1000 CONF-2A 01050710 4107118000018

REFERENCE INFORMATION  
 SREF 07.1500 50 IN  
 LREF 7.1200 100 IN  
 XREF 14.0500 100 IN  
 YREF 13.1400 100 IN  
 ZREF 0.0000 100 IN  
 SCALE 6.0150 100 IN

ELEVTR 00.000  
 SFLAP 13.750  
 SPOSK 54.520  
 RUBBER 0.000



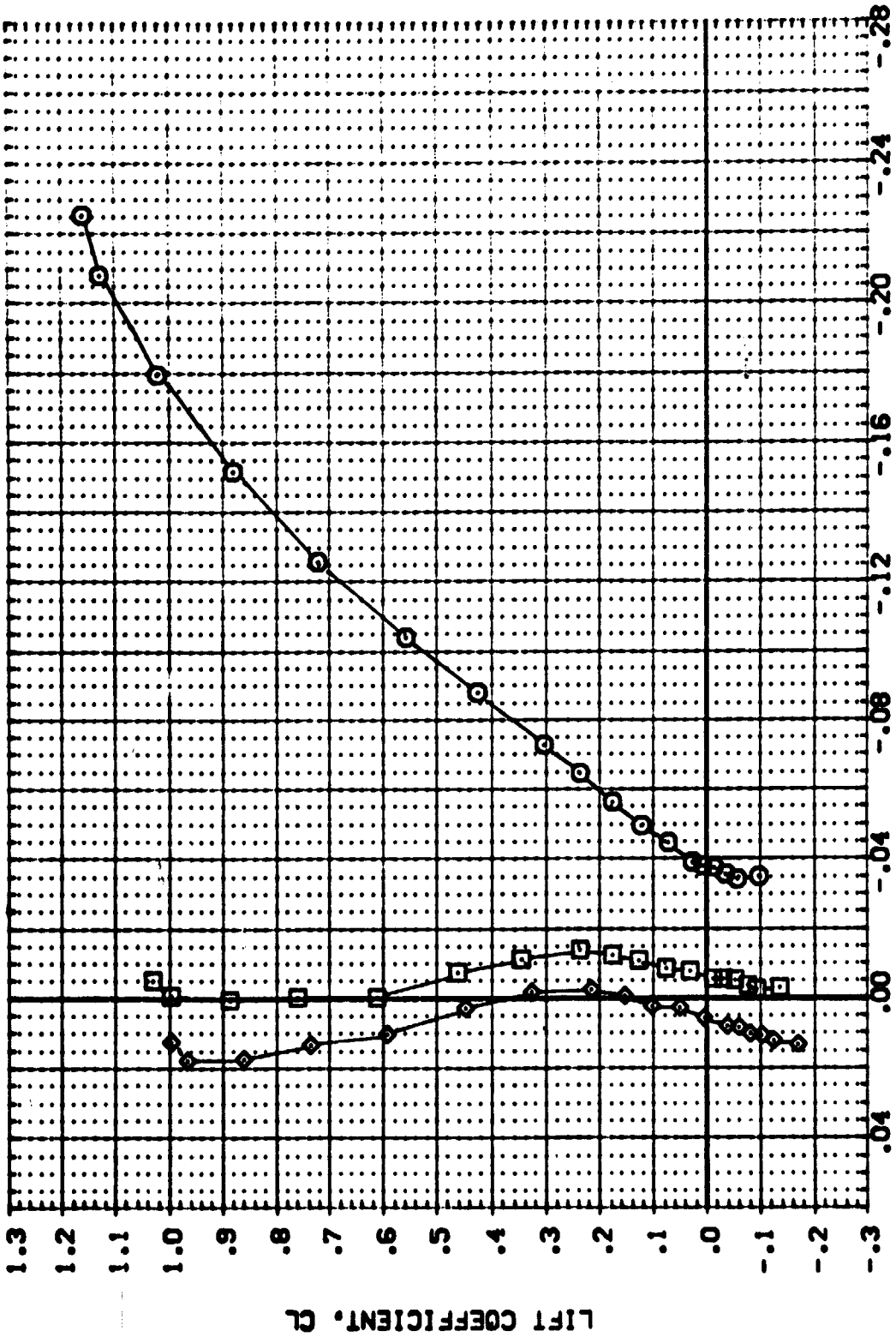
ELEVONS DEFLECTED -898 CONFIG

(A)MACH = 2.50

DATA SET SYMBO. (REF) (REF) (REF)  
 CONFIGURATION DESCRIPTION  
 OMA4 UPVT 1005 CONF-2A B10C3007M3-4M7E18M3VX18  
 OMA4 UPVT 1005 CONF-2A B10C3007M3-4M7E18M3VX18  
 OMA4 UPVT 1005 CONF-2A B10C3007M3-4M7E18M3VX18

ELEVTR EOLFLAP SPDRBK RUDDER  
 10.000 13.750 54.520 .000  
 -20.000 -14.250 54.520 .000  
 -40.000 -14.250 54.520 .000

REFERENCE INFORMATION  
 SREF 87.1560 SQ. IN.  
 LREF 7.1720 INCHES  
 XREF 14.0502 INCHES  
 YREF 13.1469 INCHES  
 ZREF .0000 INCHES  
 SCALE 6.0000 INCHES  
 .0150 SCALE



ELEVONS DEFLECTED -898 CONFIG

(B)MACH = 3.90

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATA SET SYMBOL CONFIGURATION DESCRIPTION REFERENCE INFORMATION

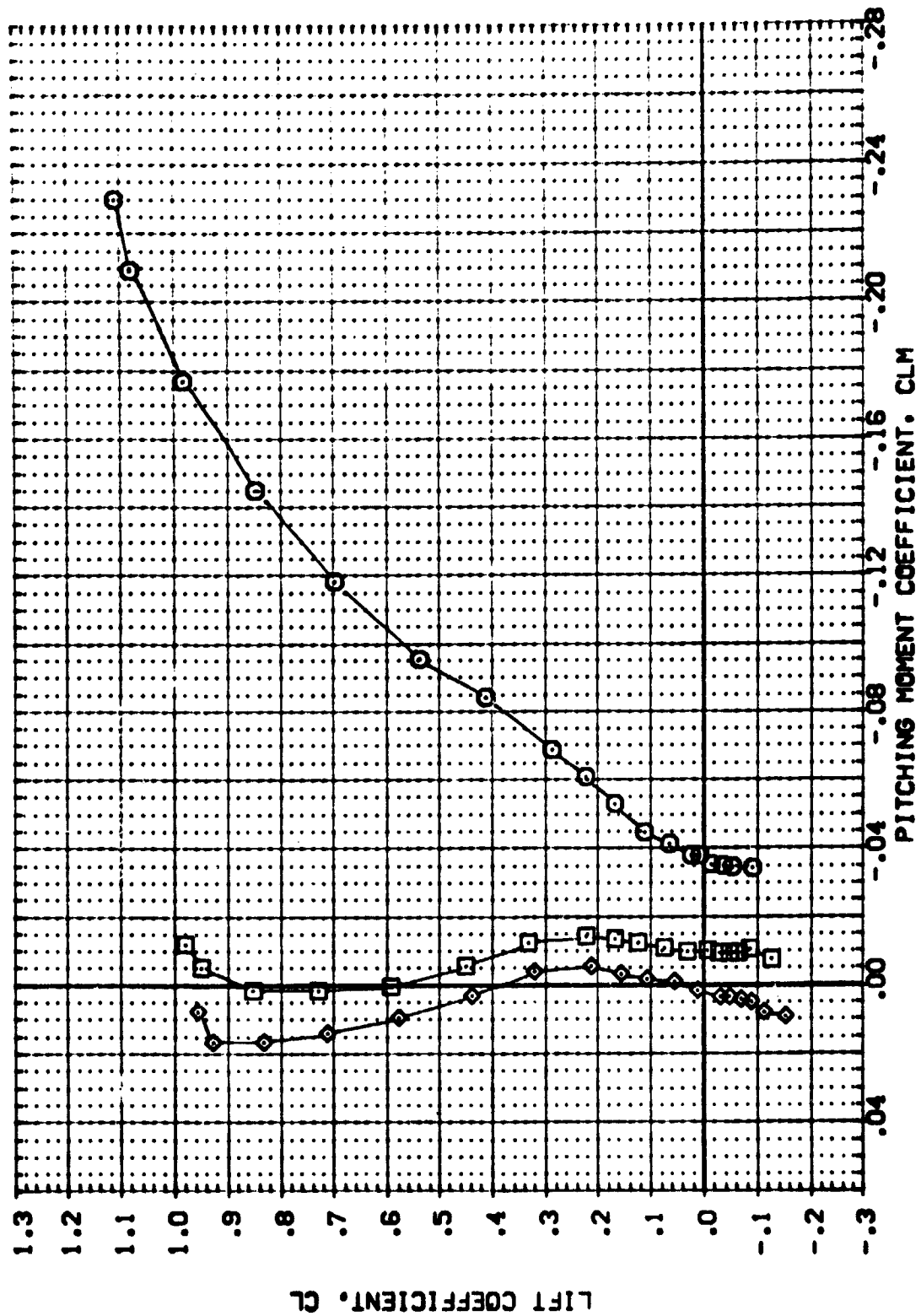
(SPWES)	0A41 UPVT 1035 CONF-2A B10C307G-4W67E   B0C5VX18	SRUF	07.1560	50. IN.
(SPWES)	0A41 UPVT 1035 CONF-2A B10C307G-4W67E   B0C5VX18	LRUF	7.1220	INCHES
(SPWES)	0A41 UPVT 1035 CONF-2A B10C307G-4W67E   B0C5VX18	BRUF	14.0502	INCHES
(SPWES)	0A41 UPVT 1035 CONF-2A B10C307G-4W67E   B0C5VX18	XRUF	13.1468	INCHES
		YRUF	.0000	INCHES
		ZRUF	6.0000	INCHES
		SCALE	.0150	SCALE

RUDDER	.000
SPORNK	34.520
BDLAP	13.750
ELEVTR	10.000
	-20.000
	-40.000

SPORNK	34.520
BDLAP	13.750
ELEVTR	10.000
	-20.000
	-40.000



ELEVONS DEFLECTED - 898 CONFIG

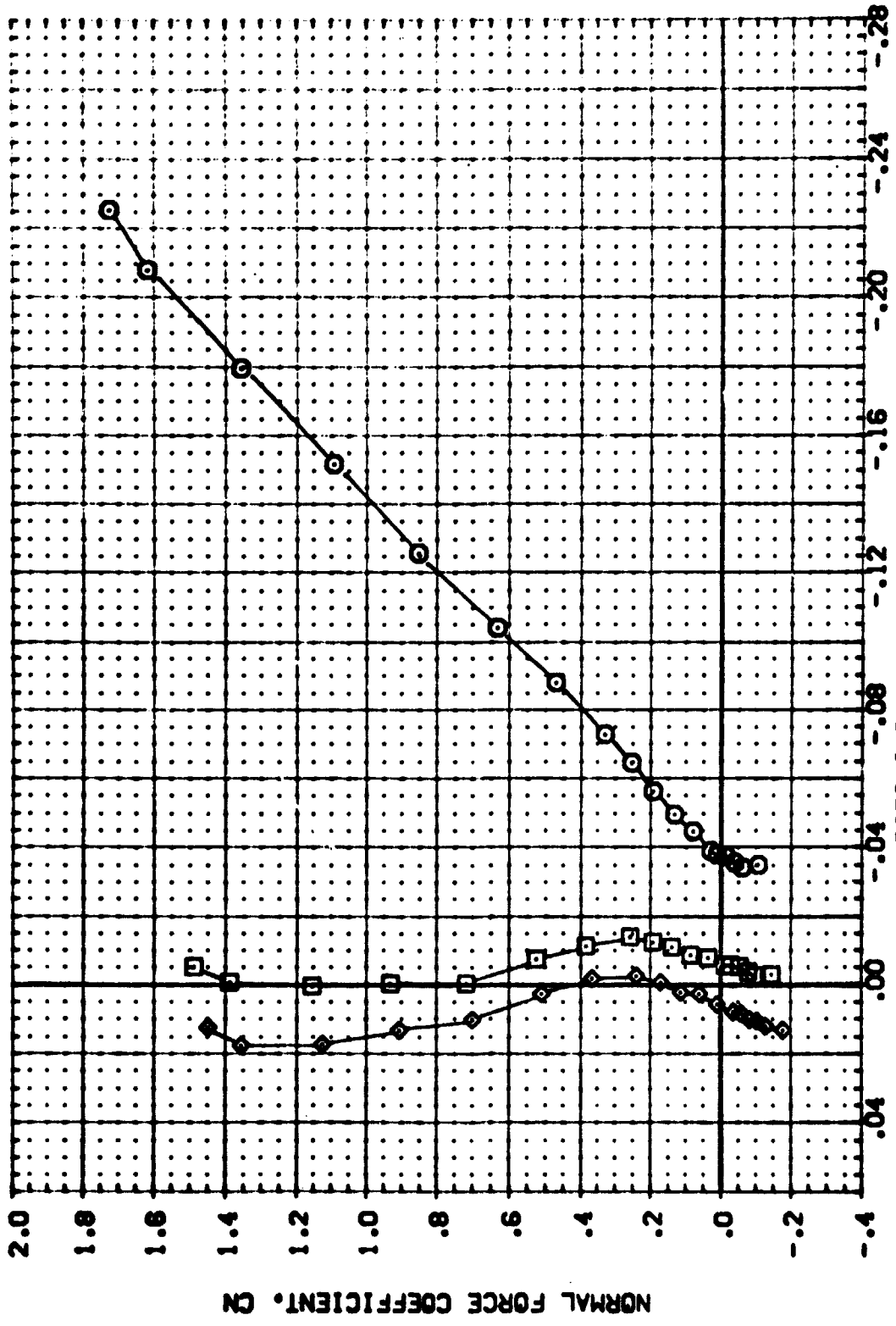
(C)MACH = 4.60



DATA SET SYMBOL: [Symbol] CONFIGURATION DESCRIPTION: DATA UPVT 1088 CONF -2A PROCEEDING W/RT 18888818  
 [Symbol] [Symbol] DATA UPVT 1088 CONF -2A PROCEEDING W/RT 18888818  
 [Symbol] [Symbol] DATA UPVT 1088 CONF -2A PROCEEDING W/RT 18888818

REFLECTOR INFORMATION: REF 87.1580 50. IN. IN-OES  
 UNF 7.1220 IN-OES  
 UNF 14.0502 IN-OES  
 XTRP 13.1468 IN-OES  
 YTRP 0.0000 IN-OES  
 ZTRP 6.0000 IN-OES  
 SCALE -0.0180 SCALE

FLIGHT DATA: ROVER .000  
 SPOK 34.820  
 EDLAP 13.750  
 ELEV 10.000  
 10.000  
 -20.000  
 -20.000



ELEVONS DEFLECTED -898 CONFIG

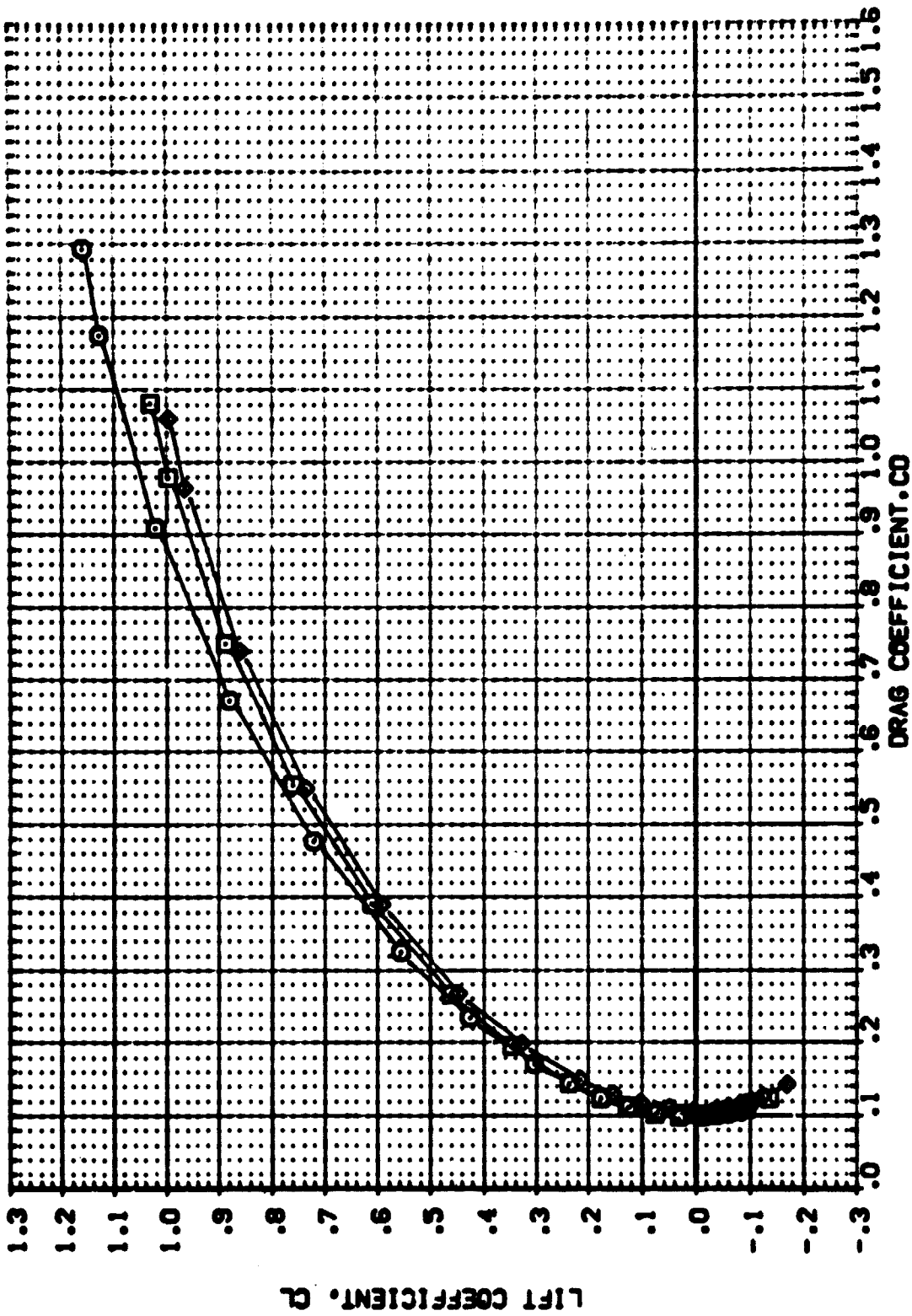
(B)MACH = 3.90







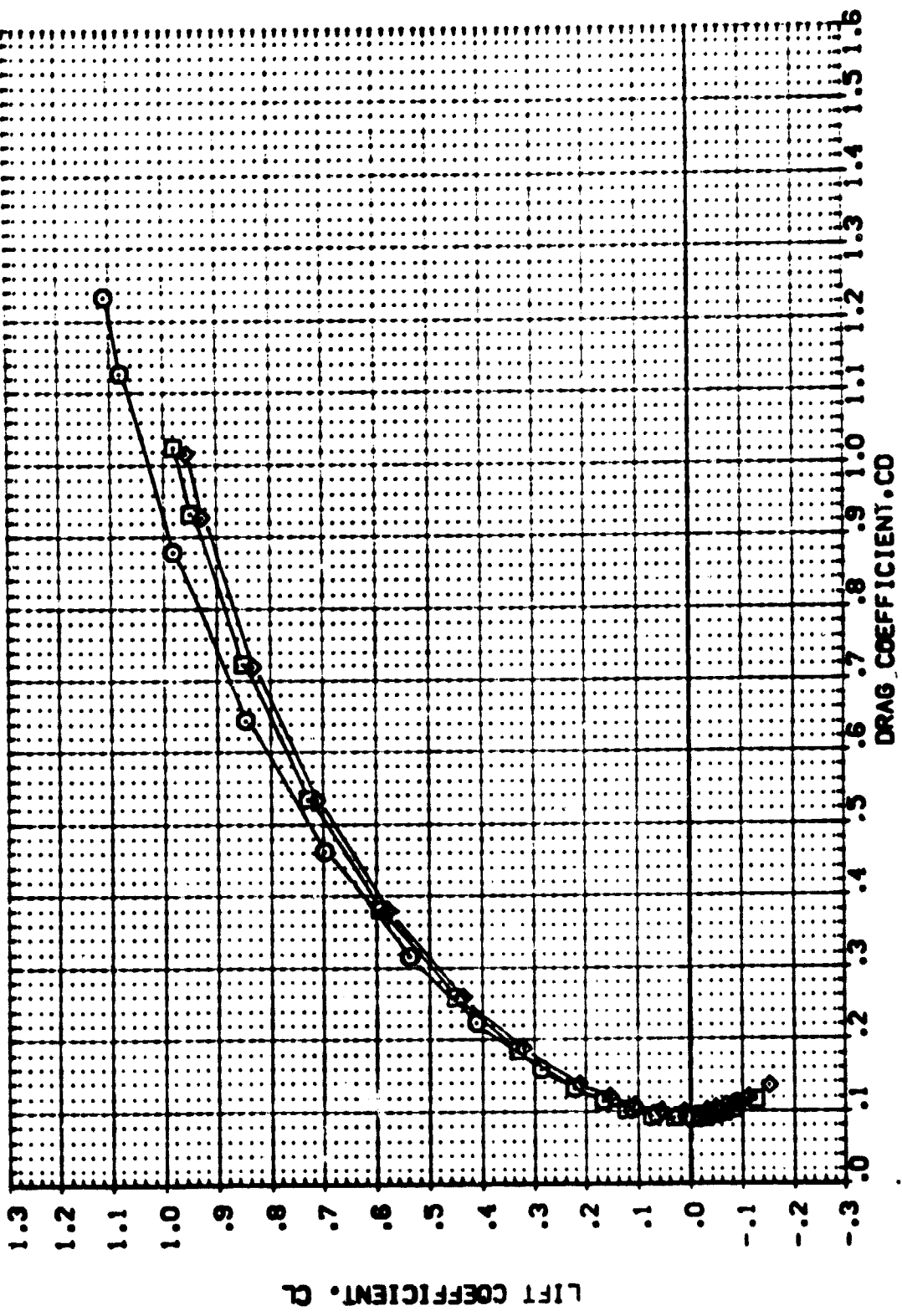
DATA SET SPEED. CONFIGURATION DESCRIPTION REFERENCE INFORMATION  
 (SERIES) DATA UNIT LOSS COEF - 2A BLOCSTRMNG WATE ISTRMNG 12 87.1250 90. IN.  
 (MODEL) DATA UNIT LOSS COEF - 2A BLOCSTRMNG WATE ISTRMNG 13 7.1250 100.000  
 DATA UNIT LOSS COEF - 2A BLOCSTRMNG WATE ISTRMNG 13 11.0000 100.000  
 DATA UNIT LOSS COEF - 2A BLOCSTRMNG WATE ISTRMNG 13 13.1488 100.000  
 DATA UNIT LOSS COEF - 2A BLOCSTRMNG WATE ISTRMNG 13 13.0000 100.000  
 DATA UNIT LOSS COEF - 2A BLOCSTRMNG WATE ISTRMNG 13 9.0000 100.000  
 DATA UNIT LOSS COEF - 2A BLOCSTRMNG WATE ISTRMNG 13 9.0150 100.000



ELEVONS DEFLECTED - 898 CONFIG

(B)MACH = 3.90

DATA SET SWBEL	CONFIGURATION DESCRIPTION	BLEVTR	BOFLAP	SPORNK	FLOODR	REFERENCE INFORMATION
{ 8 }	QMA1 UPVT 1000 CONF-2A	10.000	13.750	54.520	.000	REF 87.1500
{ 8 }	QMA1 UPVT 1000 CONF-2A	-20.000	-14.250	54.520	.000	LIFT 7.1720
{ 8 }	QMA1 UPVT 1000 CONF-2A	-40.000	-14.250	54.520	.000	DRAG 14.0502
						YPRP 13.1488
						YPRP 0.0000
						NOSES 6.0000
						NOSES 6.0150
						SCALE



ELEVONS DEFLECTED - 898 CONFIG  
(C)MACH = 4.60



DATA SET SYMBOL: [REMOVED] [REMOVED] [REMOVED]

CONFIGURATION DESCRIPTION:

0A14 UPVT 1035	CONF-2A	810C507K3F	4V67E	18P5V5X16
0A14 UPVT 1035	CONF-2A	810C507K3F	4V67E	18P5V5X16
0A14 UPVT 1035	CONF-2A	810C507K3F	4V67E	18P5V5X16

REFERENCE INFORMATION:

SREF	87.1560	SO, IN.
LREF	7.1220	INCHES
BREF	14.0502	INCHES
XMRP	13.1459	INCHES
YMRP	6.0000	INCHES
ZMRP	6.0000	INCHES
SCALE	.0150	SCALE

RUDDER: .000

SPDBRK: 54.920

BDFLAP: 13.750

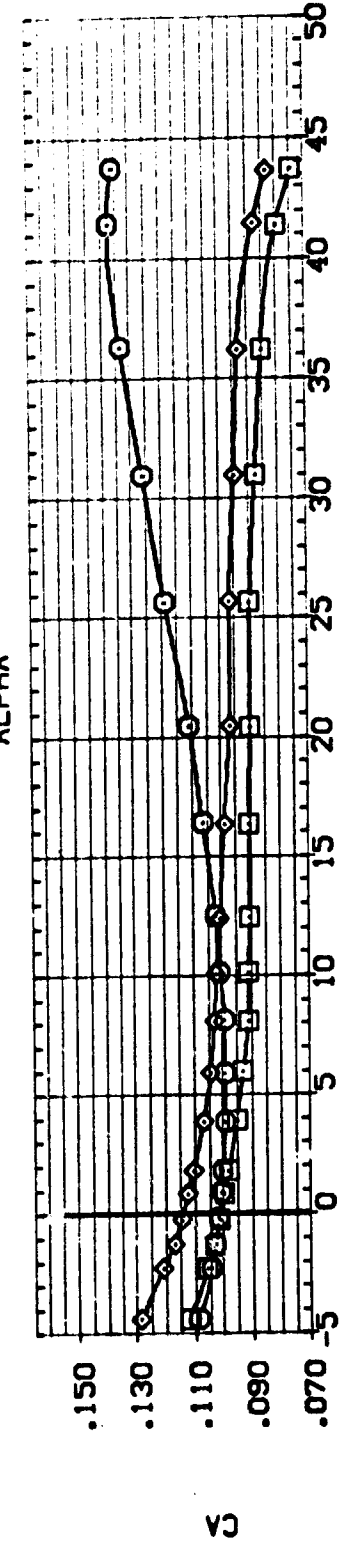
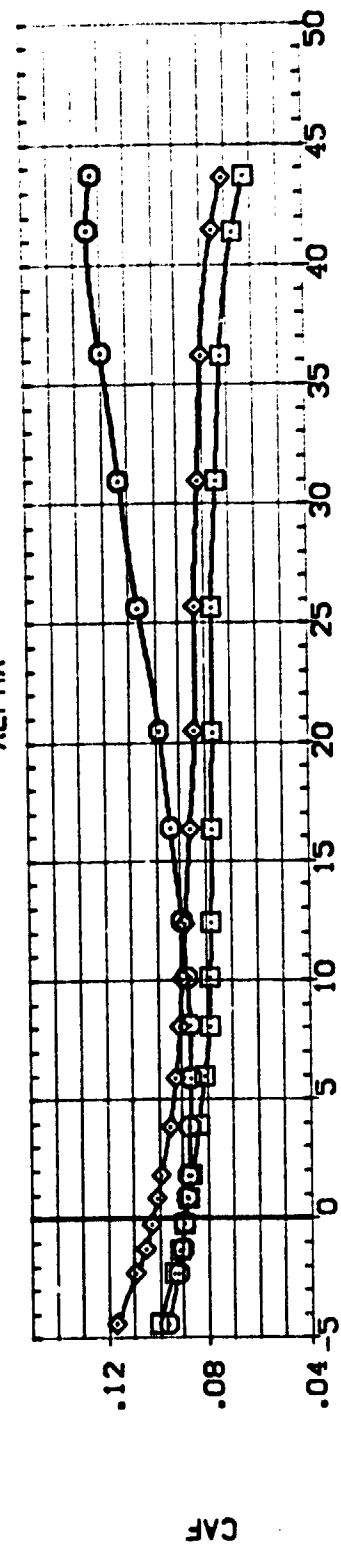
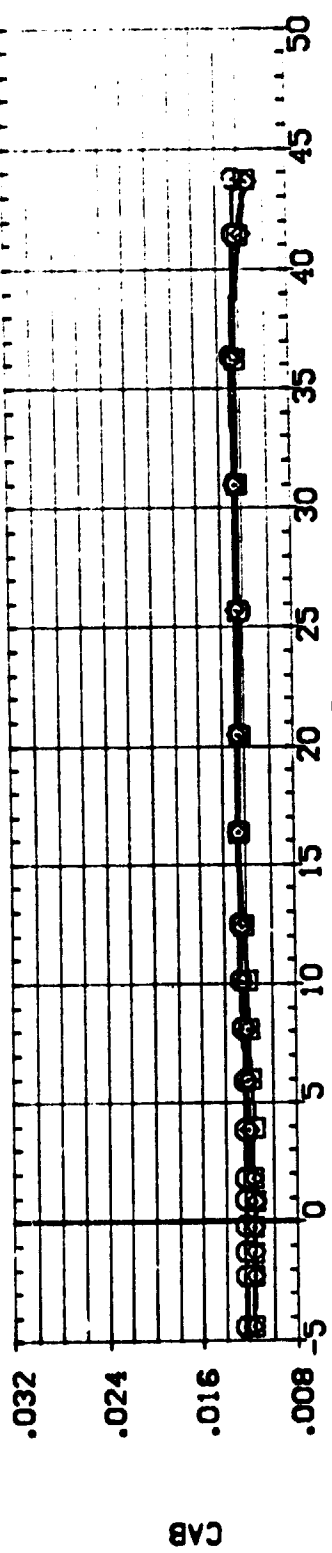
ELEVTR: 10.000

950BRK: 54.920

14.200

-14.200

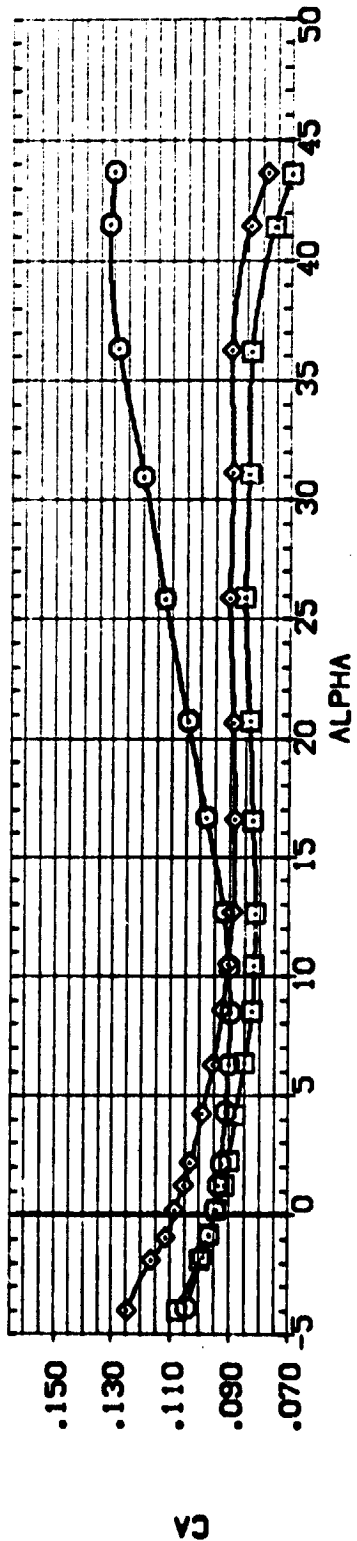
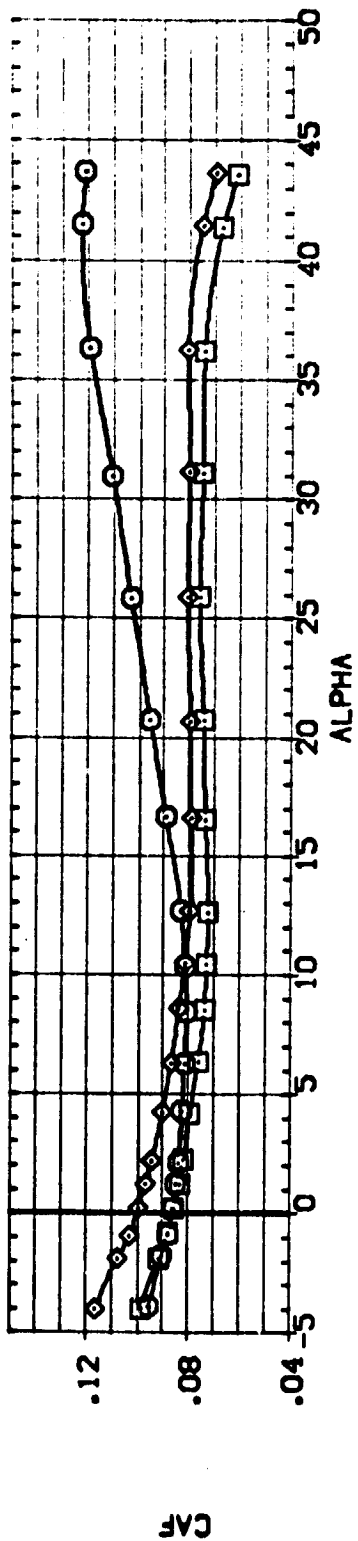
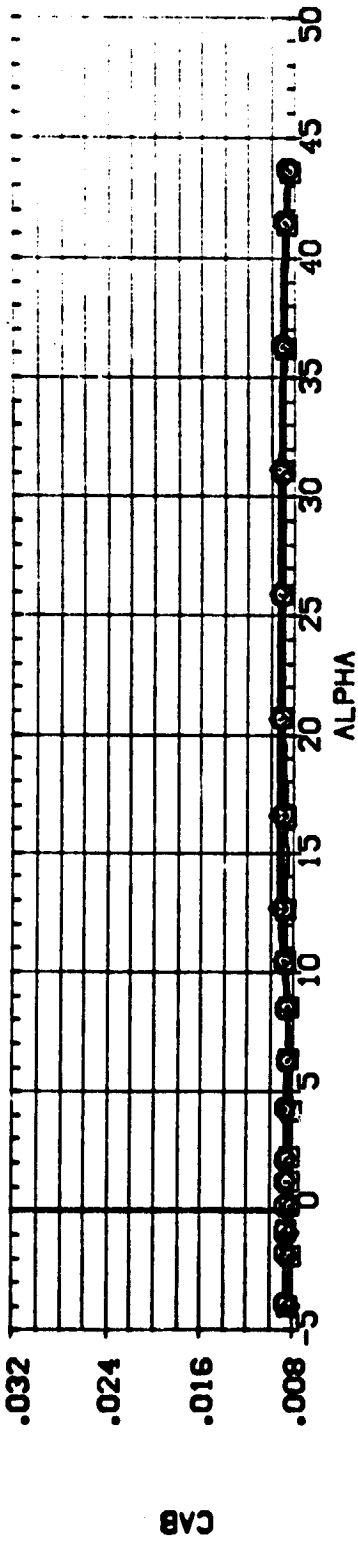
-40.000



ELEVONS DEFLECTED -89B CONFIG

(8)MACH = 3.90

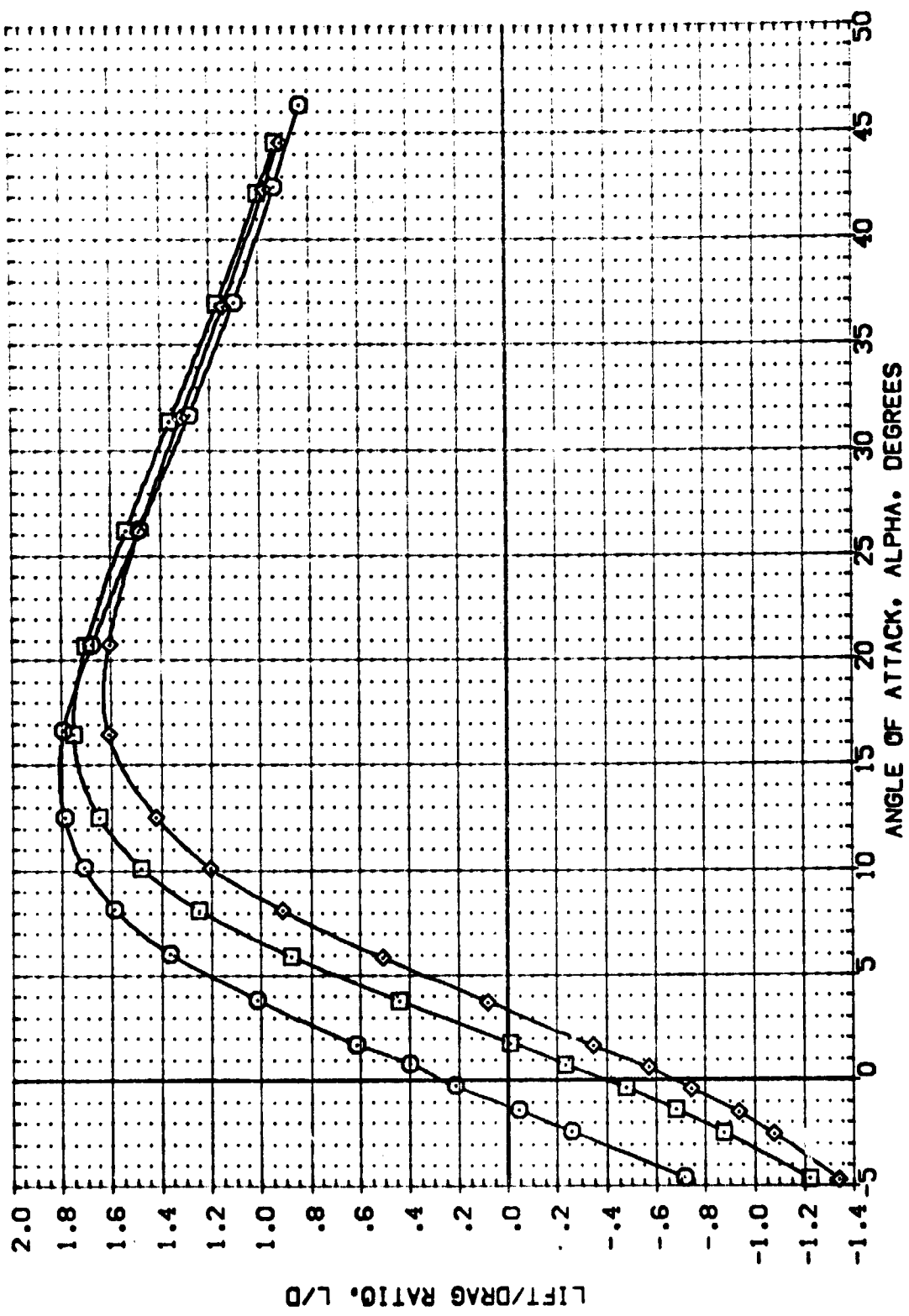
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RNP05)	0A44 UPVT 1035 CONF -2A B10C5D7HGF4W67E (8RSV5X16)	10.000	13.750	54.920	.000	SREF 67.1560 SO IN.
(RNP08)	0A44 UPVT 1035 CONF -2A B10C5D7HGF4W67E (8RSV5X16)	-20.000	-14.250	54.920	.000	LREF 7.1270 INCHES
(RNP04)	0A44 UPVT 1035 CONF -2A B10C5D7HGF4W67E (8RSV5X16)	-40.000	-14.250	54.920	.000	BREF 14.0502 INCHES
						XMRP 13.1469 INCHES
						YMRP .0000 INCHES
						ZMRP .0000 INCHES
						SCALE .0150 SCALE



ELEVONS DEFLECTED -89B CONFIG

(C)MACH = 4.60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BOFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RPAPOS)	0A44 UPVT 1035 CONF-2A B10C307H3F4V87E18F5V5X16	10.000	13.750	54.920	.000	SREF 87.1560 50. IN.
(RPAPOS)	0A44 UPVT 1035 CONF-2A B10C307H3F4V87E18F5V5X16	-20.000	-14.250	54.920	.000	LREF 7.1270 INCHES
(RPAPOS)	0A44 UPVT 1035 CONF-2A B10C307H3F4V87E18F5V5X16	-40.000	-14.250	54.920	.000	BREF 14.0502 INCHES
						XMRP 13.1469 INCHES
						YMRP .0000 INCHES
						ZMRP 6.0000 INCHES
						SCALE .0150 SCALE

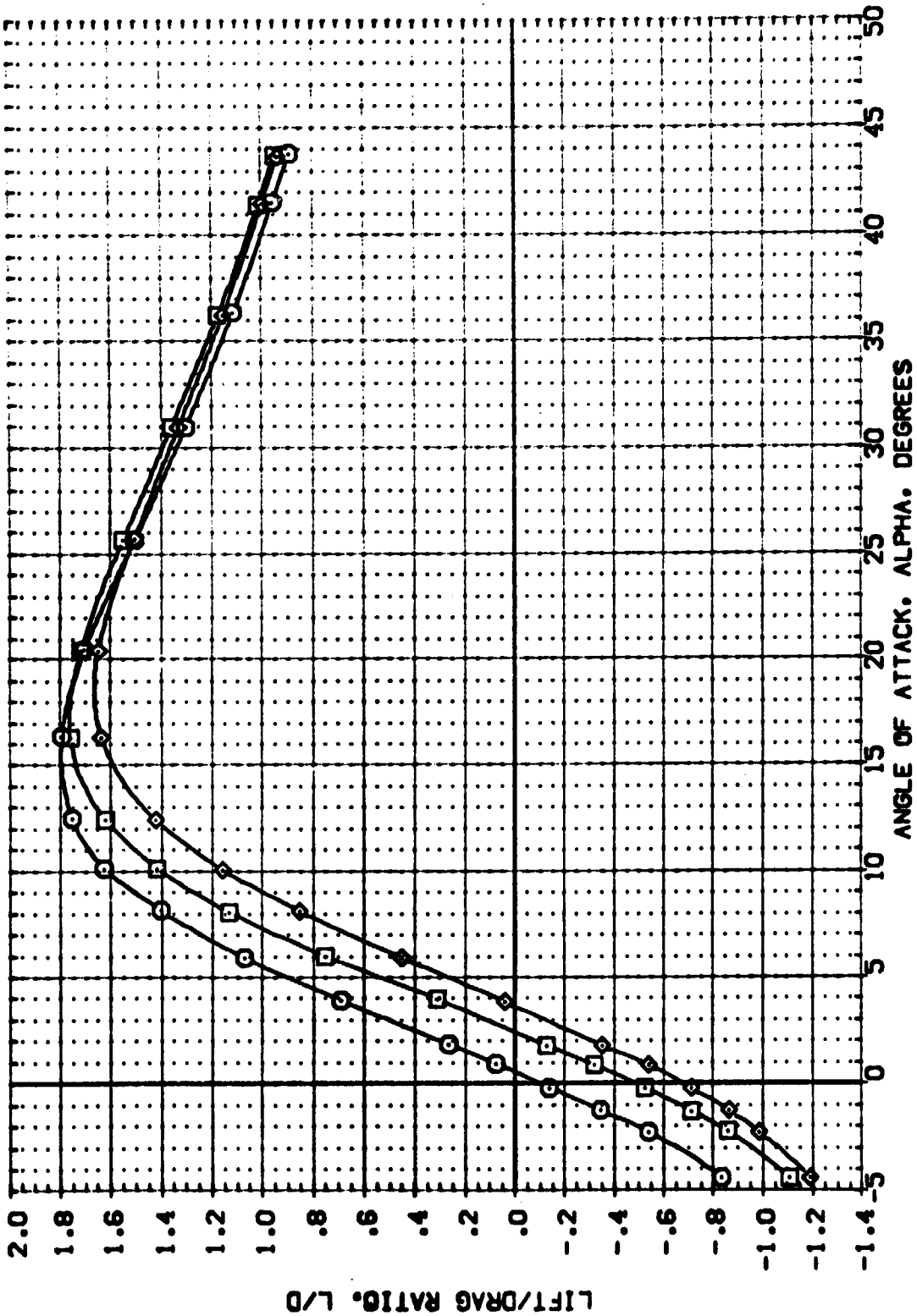


ELEVONS DEFLECTED -898 CONFIG

(A)MACH = 2.50



DATA SET SYMBL.	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPDRBK	RUDDER	REFERENCE INFORMATION
(RPPPOS)	0M44 UPVT 1035 CONF-2A 810C307R3-1V87E18R5V3X16	10.000	13.750	54.920	.000	87.1560 50. IN.
(RPPPOS)	0M44 UPVT 1035 CONF-2A 810C307R3-1V87E18R5V3X16	-20.000	-14.250	54.920	.000	7.1220 INCHES
(RPPPOS)	0M44 UPVT 1035 CONF-2A 810C307R3-1V87E18R5V3X16	-40.000	-11.250	54.920	.000	14.0502 INCHES
						13.1469 INCHES
						6.0000 INCHES
						6.0150 SCALE



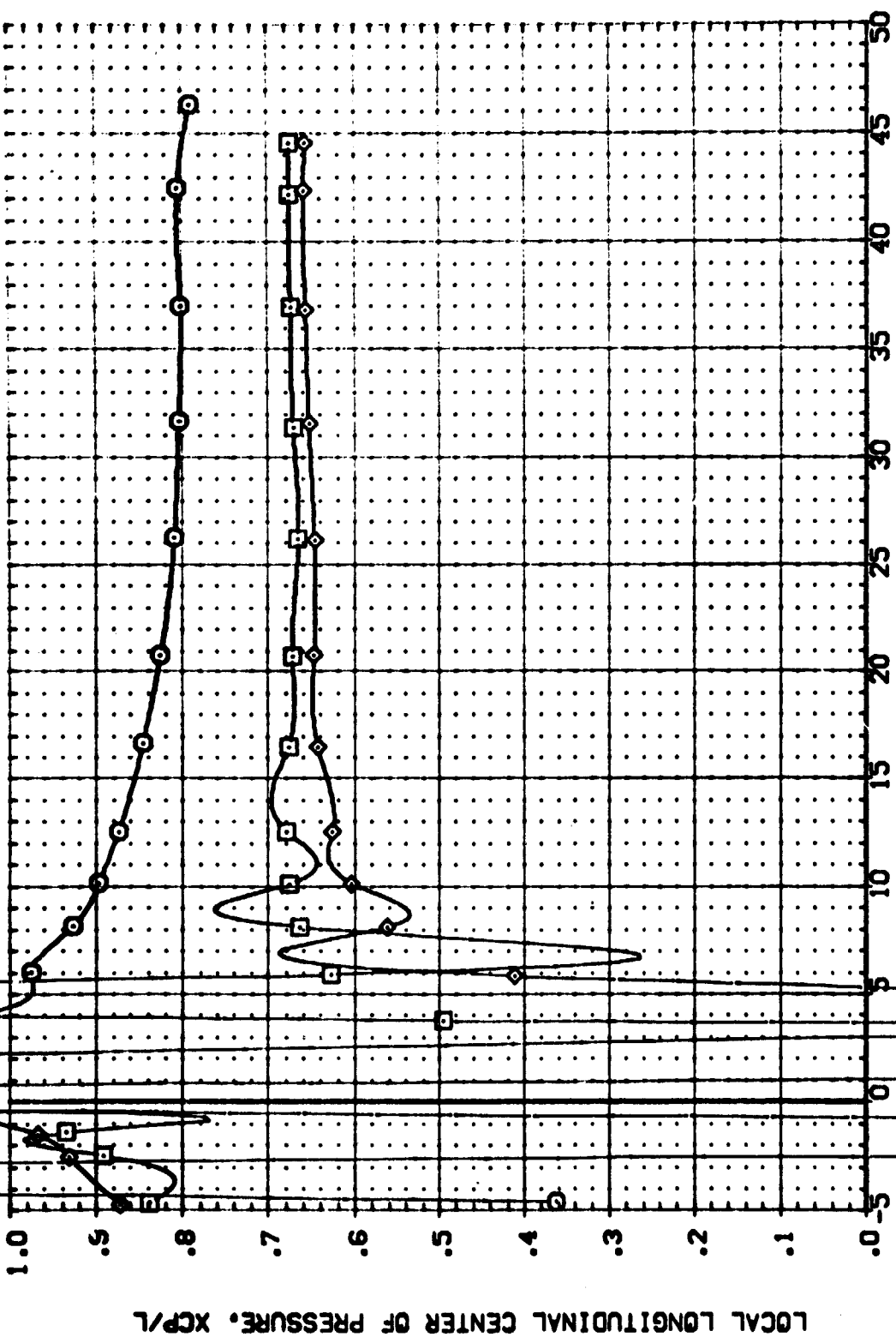
ELEVONS DEFLECTED -898 CONFIG

(8)MACH = 3.90



DATA SET SYMBOL CONFIGURATION DESCRIPTION REFERENCE INFORMATION

(RNP05)	DATA SPVT 1285	CONF-2A	810CS07H3F4V87E	888V3X16	SC.IN.	87.1560	INCHES
(RNP08)	DATA SPVT 1285	CONF-2A	810CS07H3F4V87E	888V3X16	L.REF	7.1220	INCHES
(RNP04)	DATA SPVT 1285	CONF-2A	810CS07H3F4V87E	888V3X16	B.REF	14.0502	INCHES
					X.REF	13.1469	INCHES
					Y.REF	6.0000	INCHES
					Z.REF	6.0000	INCHES
					SCALE	.0150	SCALE



LOCAL LONGITUDINAL CENTER OF PRESSURE, XCP/L

ANGLE OF ATTACK, ALPHA, DEGREES

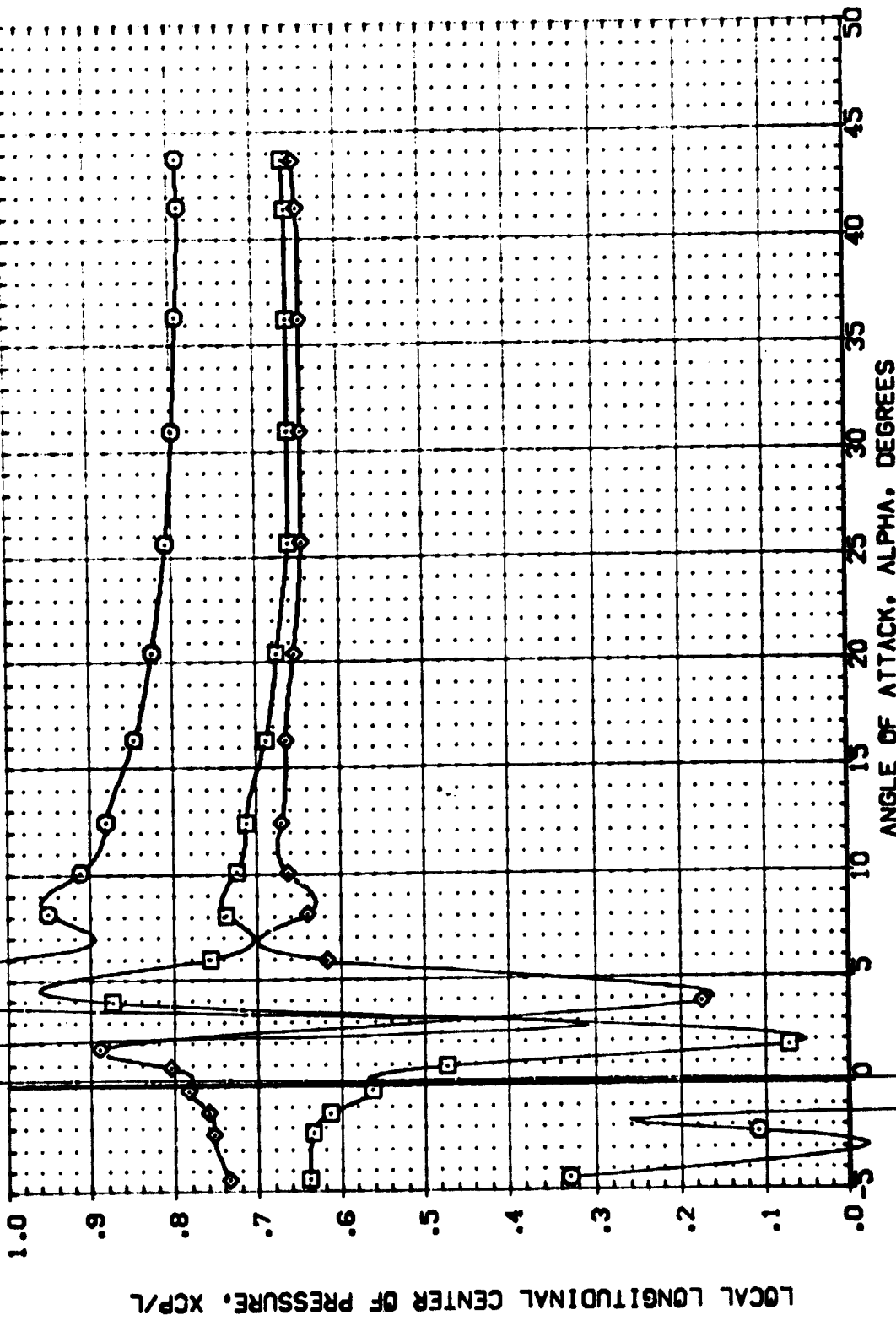
ELEVONS DEFLECTED -898 CONFIG

(A)MACH = 2.50

DATA SET SYMBOL: (RNP05) (RNP08) (RNP04)

CONFIGURATION DESCRIPTION:  
 0A44 UPAT 1025 02F-2A B10C507M3F AN67E (BRV)SX16  
 0A44 UPAT 1025 02F-2A B10C507M3F AN67E (BRV)SX16  
 0A44 UPAT 1025 02F-2A B10C507M3F AN67E (BRV)SX16

ELEVTR: 10.000, -20.000, -40.000  
 SPOBRK: 24.920, 24.920, 24.920  
 RUDDER: .000, .000, .000  
 REFERENCE INFORMATION:  
 SREF: 87.1560 SO, IN.  
 LREF: 7.1220 IN, ES.  
 BRFF: 14.0502 IN, ES.  
 YMRP: 13.1488 IN, ES.  
 ZMRP: .0000 IN, ES.  
 SCALE: 6.0000 IN, ES.  
 .0150 SCALE



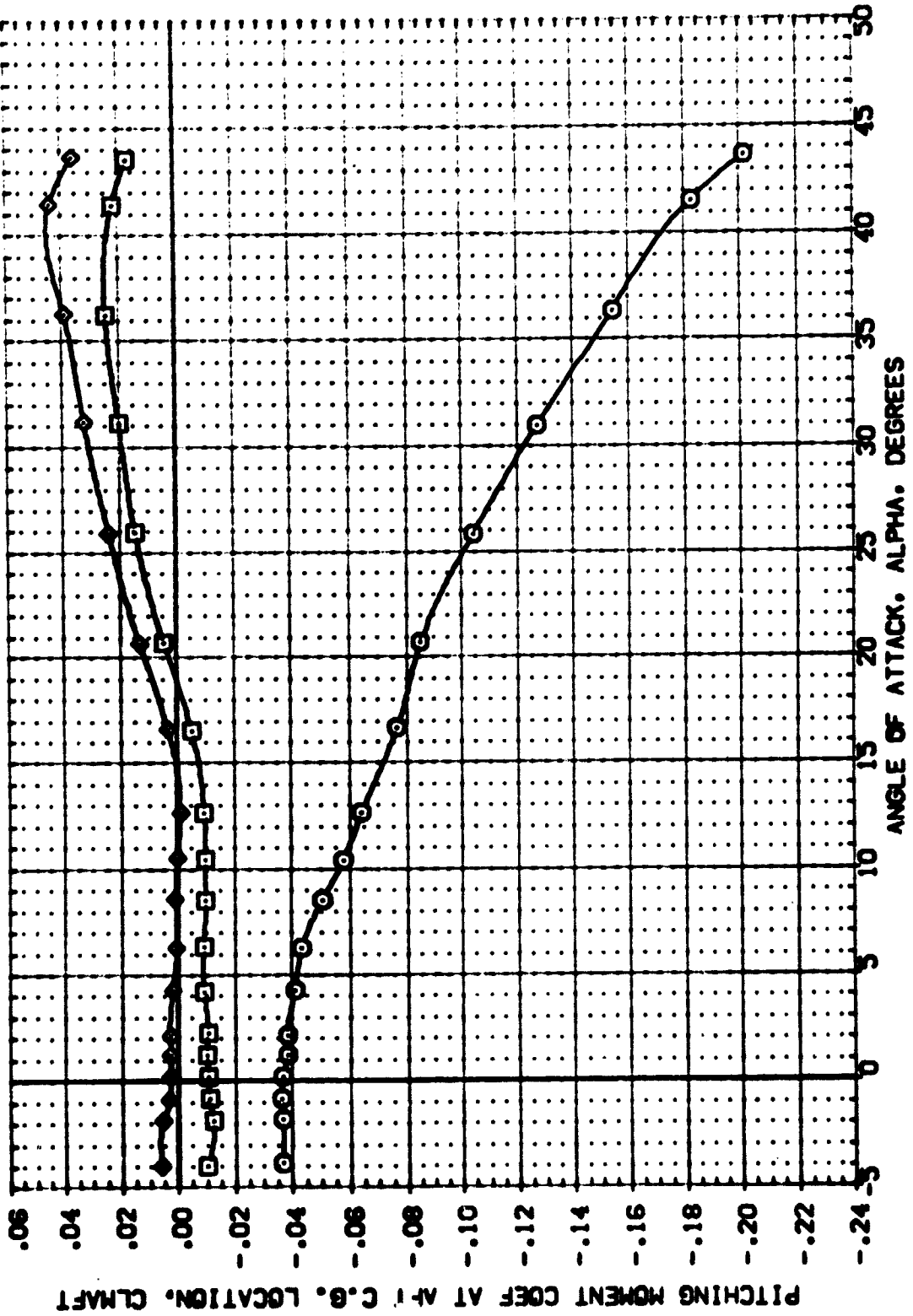






DATA SET SYMBOL: 044 UPVT 1008 CONF-2A 810020770F-NW7E | 8888888888  
 (PARAMS) 044 UPVT 1008 CONF-2A 810020770F-NW7E | 8888888888  
 (PARAMS) 044 UPVT 1008 CONF-2A 810020770F-NW7E | 8888888888

ELEVTR 80FLAP SPOBRK RUDDER REFERENCE INFORMATION  
 10.000 54.500 .000 07.5000 50. IN.  
 -20.000 54.500 .000 7.1220 INCHES  
 -40.000 54.500 .000 14.0502 INCHES  
 0.000 6.0000 INCHES  
 0.0150 INCHES  
 SCALE

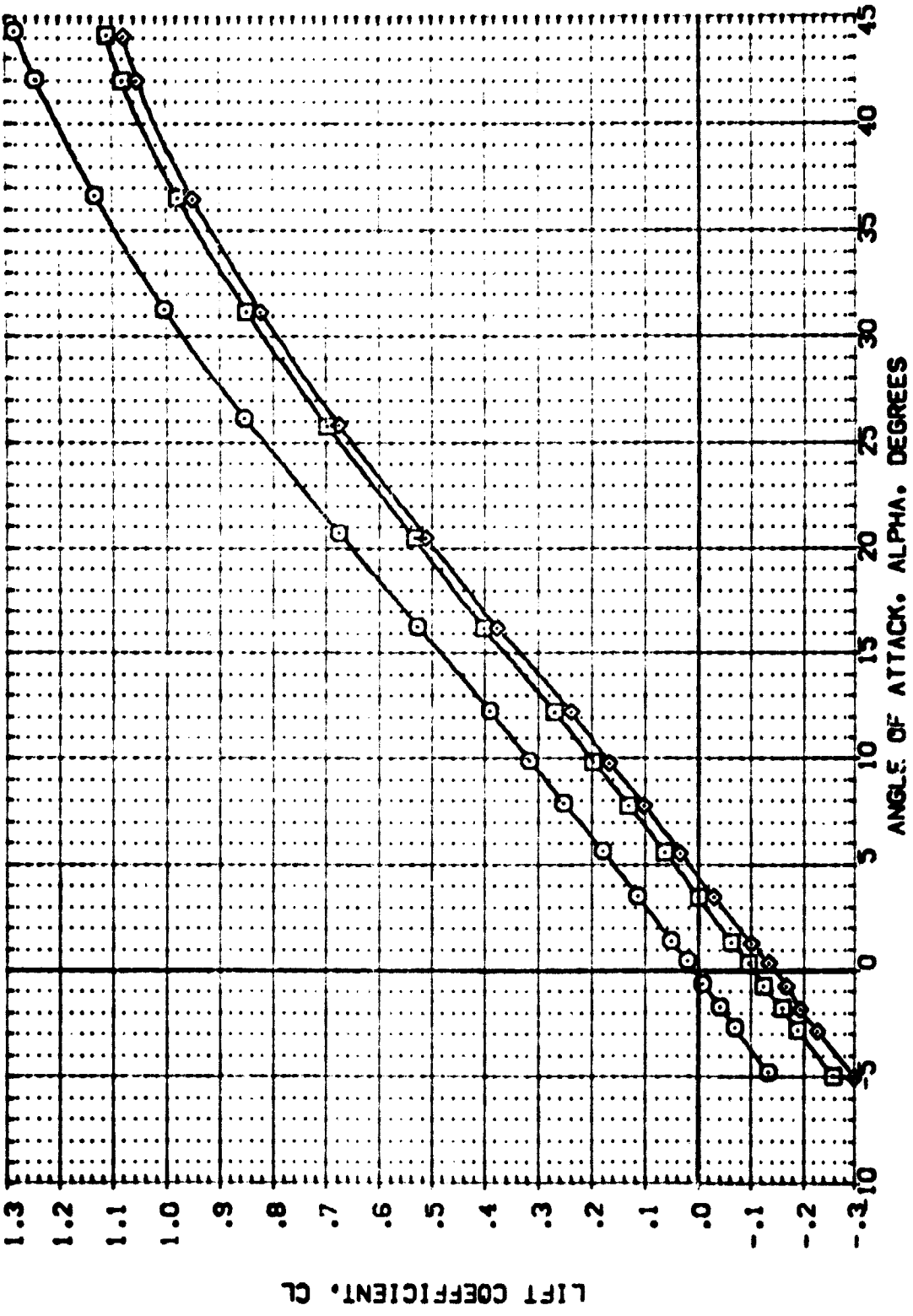


ELEVONS DEFLECTED -898 CONFIG  
 (C)MACH = 4.60



DATA SET SYMBO. CONFIGURATION DESCRIPTION

(MNS21)	8444 UPVT 1005 CONF4	B1SC7EZF3S4MS7V107X16	ELEVTR	BOFLAP	SPDRX	RUDDER	REFERENCE INFORMATION
(MNS22)	8444 UPVT 1005 CONF4	B1SC7EZF3S4MS7V107X16	11.000	13.750	54.520	.000	SREF
(MNS23)	8444 UPVT 1005 CONF4	B1SC7EZF3S4MS7V107X16	-24.000	-14.250	54.520	.000	LREF
(MNS24)	8444 UPVT 1005 CONF4	B1SC7EZF3S4MS7V107X16	-44.000	-14.250	54.520	.000	BREF
							YREF
							ZREF
							SCALE
							59. IN.
							INCHES
							INCHES
							INCHES
							INCHES
							SCALE

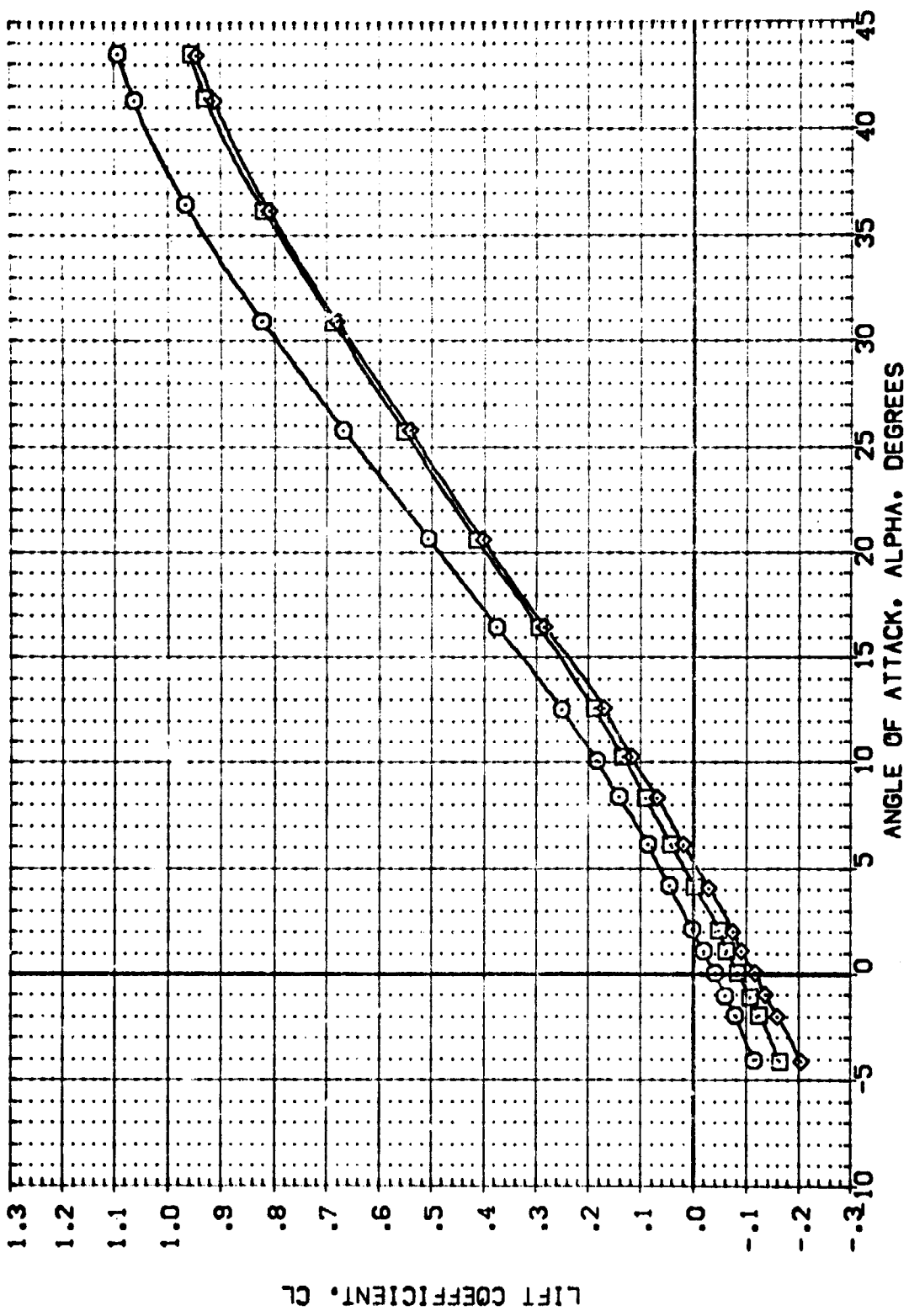


ELEVONS DEFLECTED -1398 CONFIG

(A)MACH = 2.50



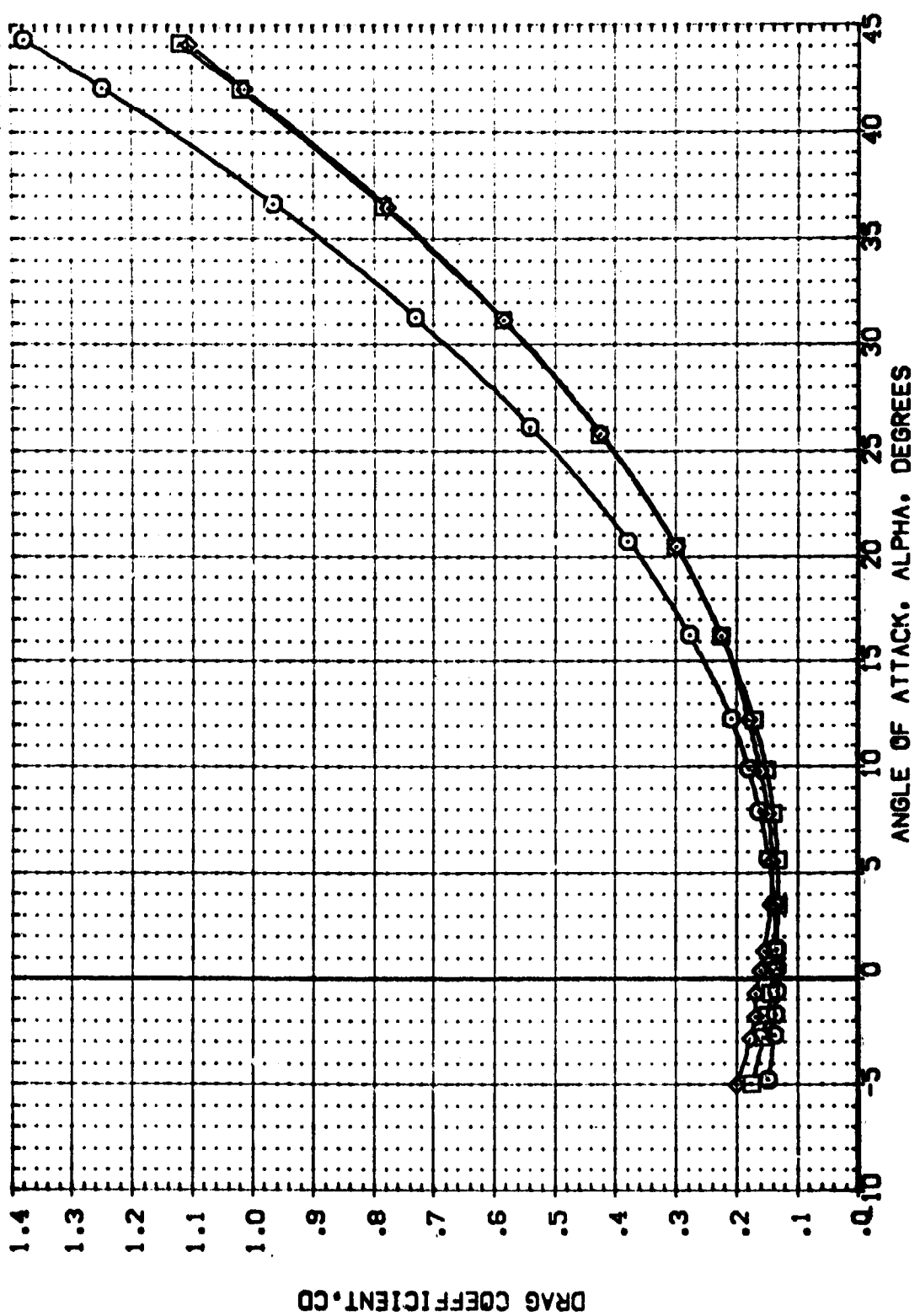
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BOFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RPEZ1)	0A44 UPVT 1035 CONF4	11.000	13.750	54.920	.000	SREF 87.550
(RPEZ2)	0A44 UPVT 1035 CONF4	-24.000	-14.250	54.920	.000	LREF 7.120
(RPEZ3)	0A44 UPVT 1035 CONF4	-44.000	-14.250	54.920	.000	SREF 14.050
						XTRP 12.5772
						YTRP .0000
						ZTRP 6.0000
						SCALE .0150



ELEVONS DEFLECTED -1398 CONFIG

(CJMACH = 4.60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPODRK	RUDDER	REFERENCE INFORMATION
{ 139821 }	BA44 UPVT 1028 CONF1	11.000	13.750	24.820	.000	REF 87.1560
{ 139822 }	BA44 UPVT 1028 CONF2	-11.000	-13.750	24.820	.000	REF 7.1270
{ 139823 }	BA44 UPVT 1028 CONF4	-11.000	-13.750	24.820	.000	REF 14.0502
						XPRP 12.5772
						YPRP 6.0000
						ZPRP 6.0000
						SCALE .0150

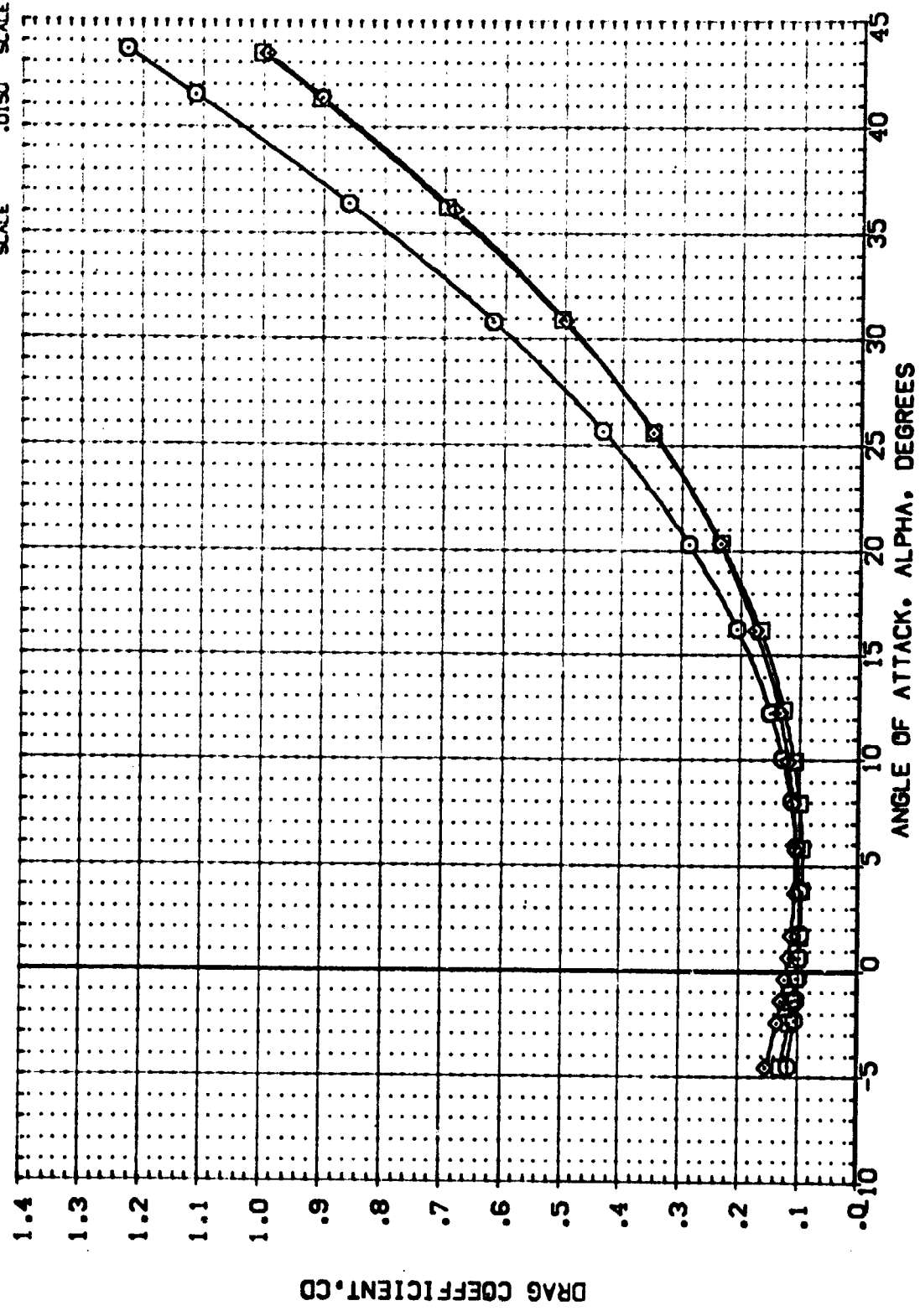


ELEVONS DEFLECTED -1398 CONFIG

(M)MACH = 2.50

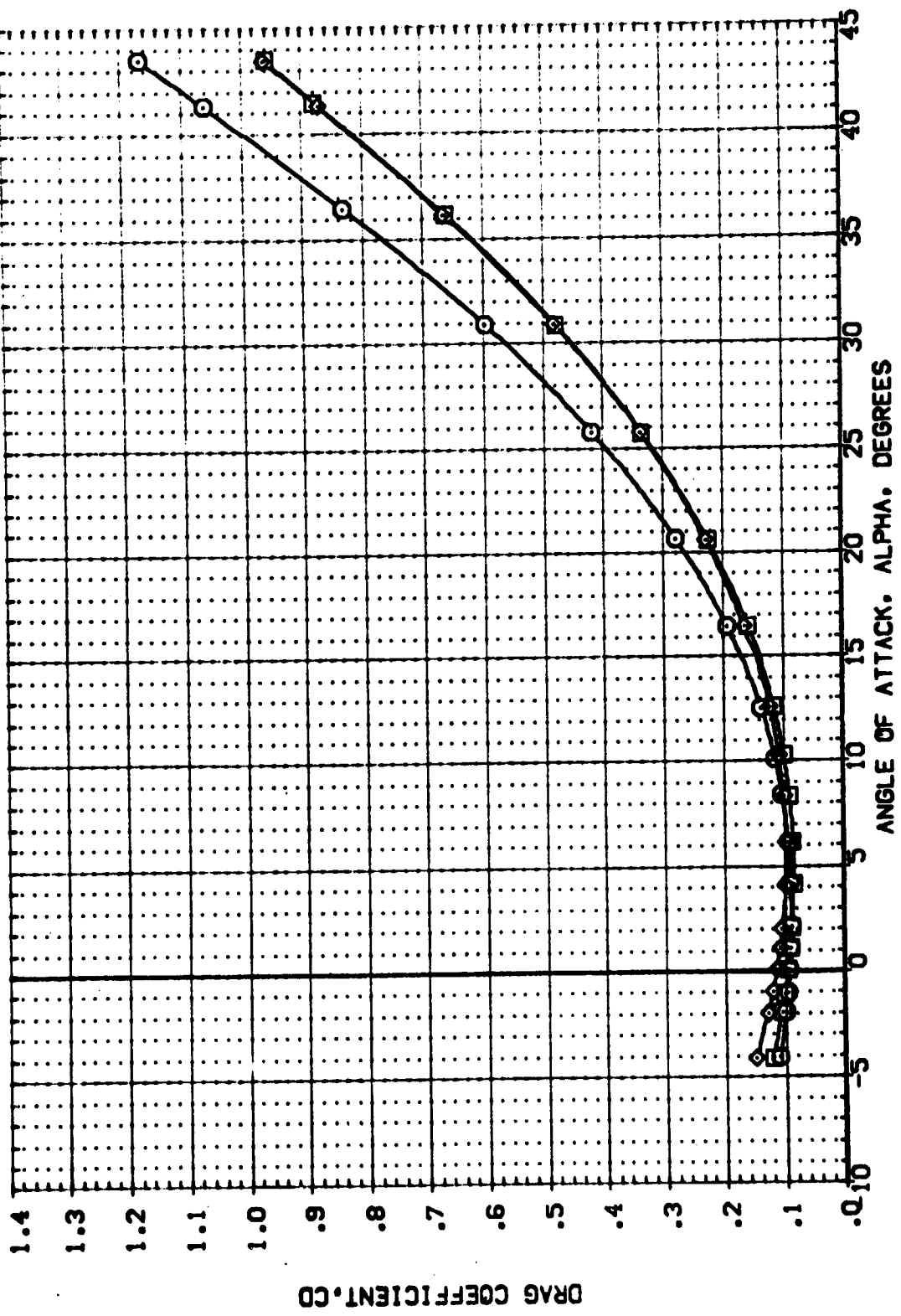
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RHEZ1)	DATA UPNT 1035 CONF1	B1SC7E23-SHARSV7107X16	ELEVTR	BDFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RHEZ2)	DATA UPNT 1035 CONF1	B1SC7E23-SHARSV7107X16	11.000	13.750	54.920	.000	SO, IN.
(RHEZ3)	DATA UPNT 1035 CONF1	B1SC7E23-SHARSV7107X16	-24.000	-14.250	54.920	.000	IN-OES
			-44.000				IN-OES
							IN-OES
							IN-OES
							SCALE



ELEVONS DEFLECTED -1398 CONFIG  
 (B)MACH = 3.90

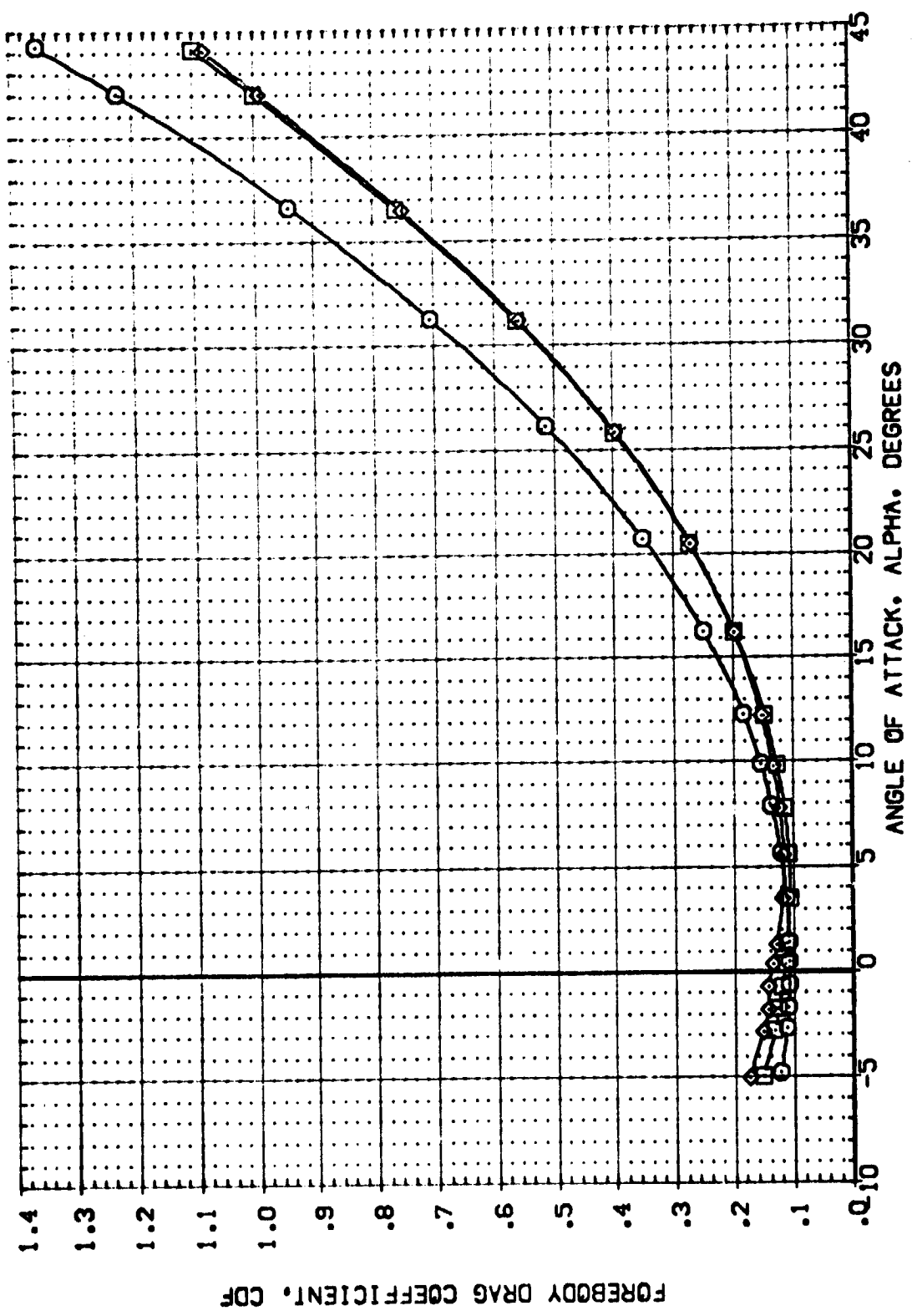
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BOFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RNE21)	0A44 UPVT 1035 CONF4	11.000	13.750	54.920	.000	87.1560 SQ. IN.
(RNE2A)	0A44 UPVT 1035 CONF4	-24.000	-14.250	54.920	.000	7.1220 INCHES
(RNE20)	0A44 UPVT 1035 CONF4	-44.000	-14.250	54.920	.000	14.0502 INCHES
						12.5772 INCHES
						4.0000 INCHES
						6.0000 INCHES
						.0150 SCALE



ELEVONS DEFLECTED -1398 CONFIG

(C)MACH = 4.60

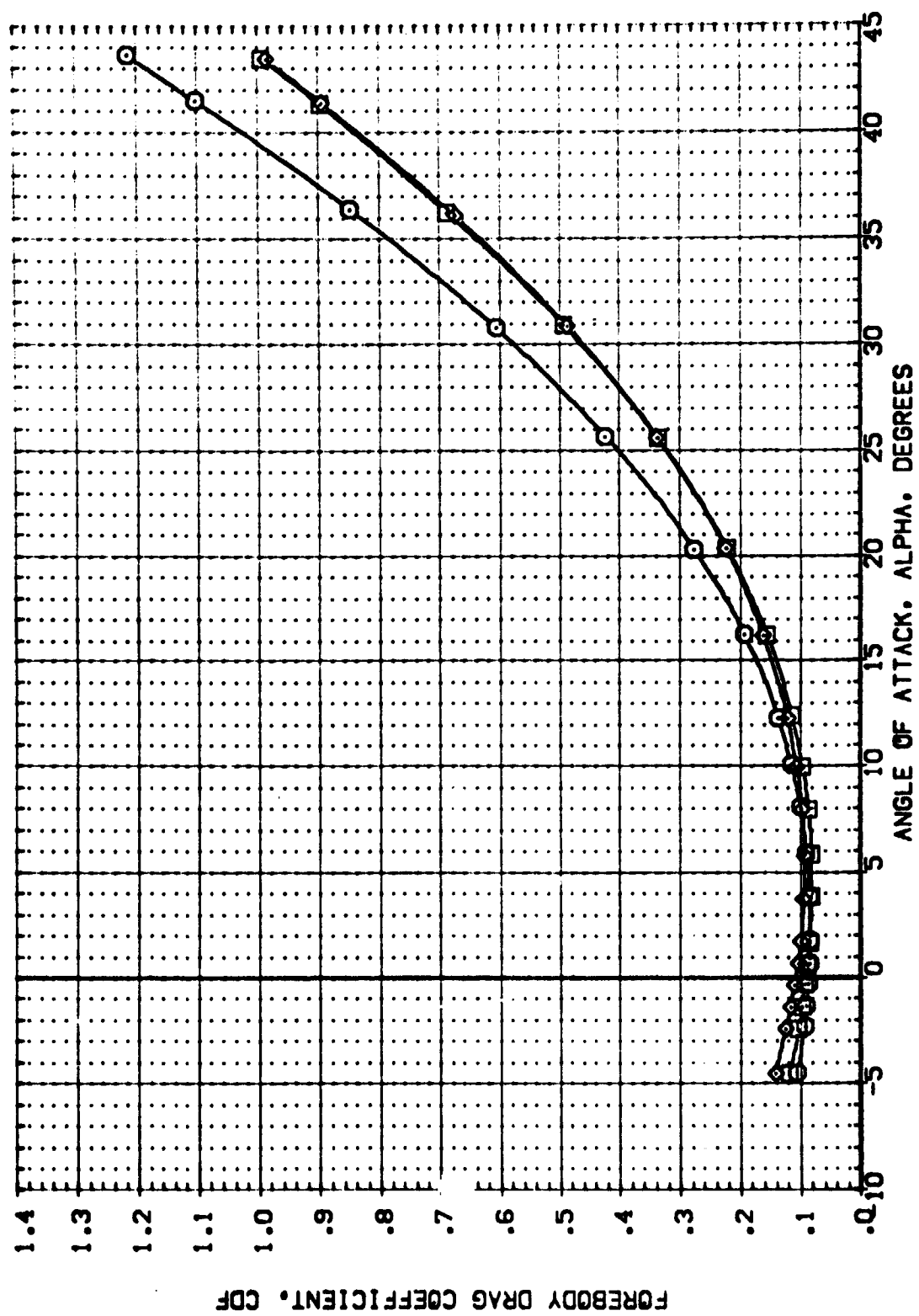
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BOFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RANE21)	0A44 UPVT 1035 CONF4	11.000	13.750	54.920	.000	SREF 87.1560 SQ. IN.
(RANE24)	0A44 UPVT 1035 CONF4	-24.000	-14.250	54.920	.000	LREF 7.1220 INCHES
(RANE20)	0A44 UPVT 1035 CONF4	-44.000	-14.250	54.920	.000	BREF 14.0502 INCHES
						XREF 12.5772 INCHES
						YREF .0000 INCHES
						ZREF 6.0000 INCHES
						SCALE .0150



ELEVONS DEFLECTED -1398 CONFIG

(A)MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RPAE21)	8A44 UPVT 1035 CONF4	11.000	13.750	54.920	.000	SREF 87.1560 SO.IN.
(RPAE21)	8A44 UPVT 1035 CONF4	-24.000	-14.250	54.920	.000	LREF 7.1270 IN.-ES
(RPAE20)	8A44 UPVT 1035 CONF4	-44.000	-14.250	54.920	.000	SREF 14.0502 IN.-ES
						XTRP 12.5772 IN.-ES
						YTRP 6.0000 IN.-ES
						ZTRP 6.0000 IN.-ES
						SCALE .0190



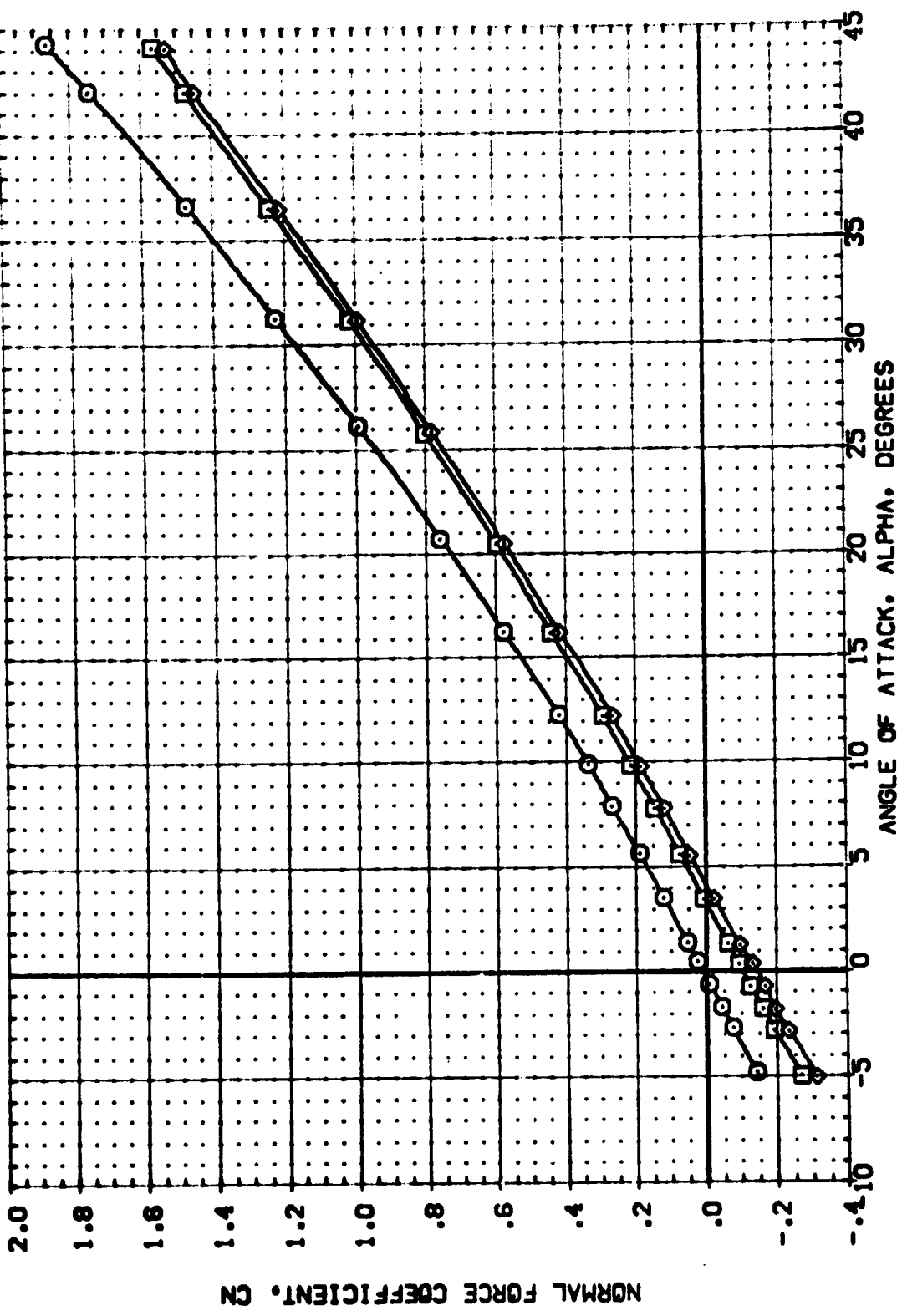
ELEVONS DEFLECTED -1398 CONFIG

(B)MACH = 3.90





DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDLAP	SFOBRK	RUDDER	REFERENCE INFORMATION
[SREF1]	8444 UPVT 1005 CONF4	11.000	13.750	54.920	.000	SREF
[SREF2]	8444 UPVT 1005 CONF4	-21.000	-14.250	54.920	.000	LREF
[SREF3]	8444 UPVT 1005 CONF4	-41.000	-14.250	54.920	.000	XREF
						YREF
						ZREF
						SCALE
						SO. IN.
						IN-OES
						IN-OES
						IN-OES
						IN-OES
						SCALE



ELEVONS DEFLECTED -1398 CONFIG

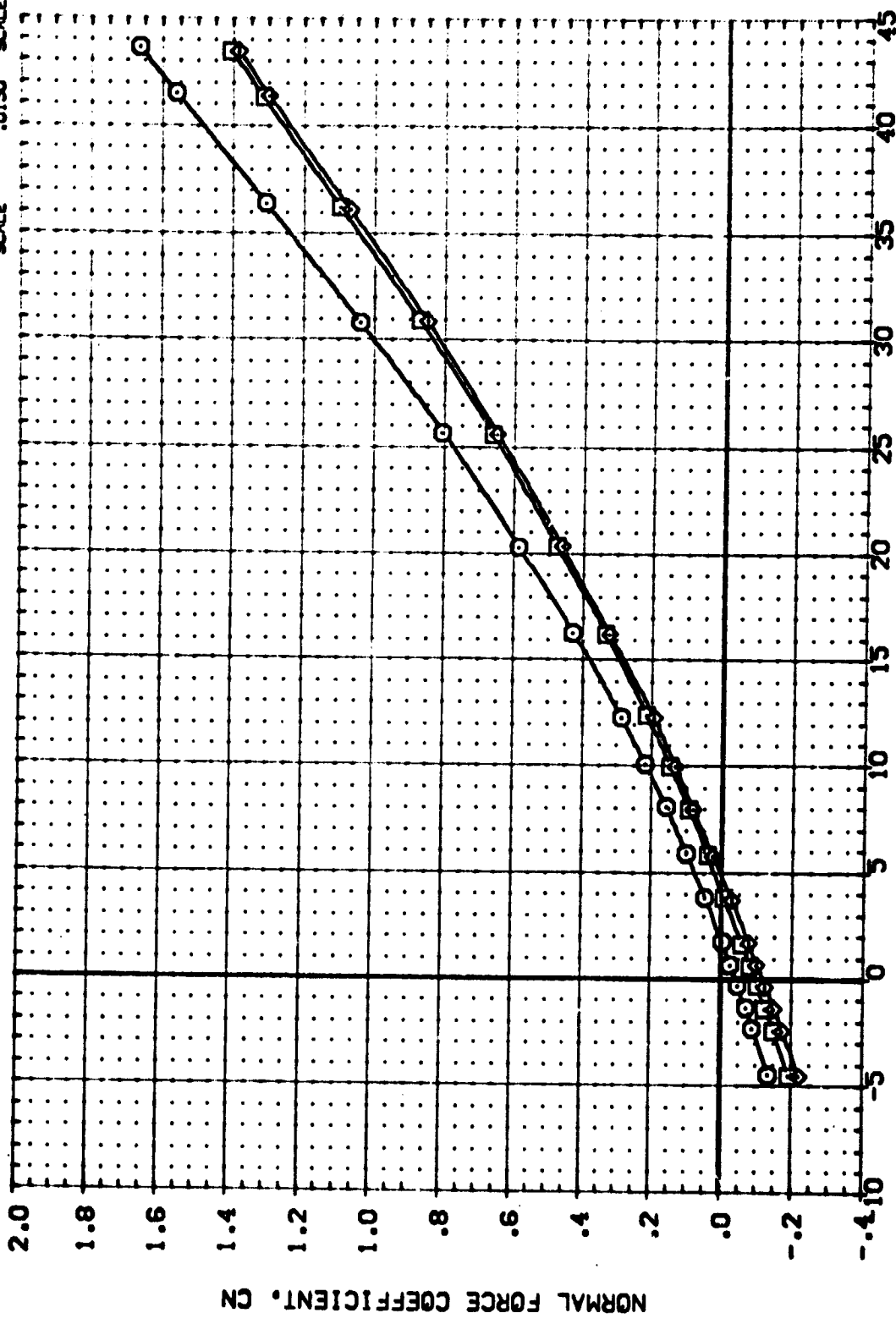
(A)MACH = 2.50

DATA SET SYMBOL: (RMEZ1)  
 (RMEZ2)  
 (RMEZ3)

CONFIGURATION DESCRIPTION:  
 OA44 UPVT 1035 CNF4  
 OA44 UPVT 1035 CNF4  
 OA44 UPVT 1035 CNF4

REFERENCE INFORMATION:  
 SREF 87.1560 SQ. IN.  
 LREF 7.1220 INCHES  
 BREF 14.0502 INCHES  
 XMRP 12.5772 INCHES  
 YMRP 6.0000 INCHES  
 ZMRP 6.0000 INCHES  
 SCALE .0150

ELEVTR BD FLAP SPOBRK RUDDER  
 11.000 13.750 54.520 .000  
 -24.000 -14.250 54.520 .000  
 -44.000 -14.250 54.520 .000



ELEVONS DEFLECTED -1398 CONFIG

(B)MACH = 3.90

DATA SET SYMBOL: 010721, 010722, 010723, 010724, 010725, 010726, 010727, 010728, 010729, 010730

CONFIGURATION DESCRIPTION: 010721: 010722: 010723: 010724: 010725: 010726: 010727: 010728: 010729: 010730

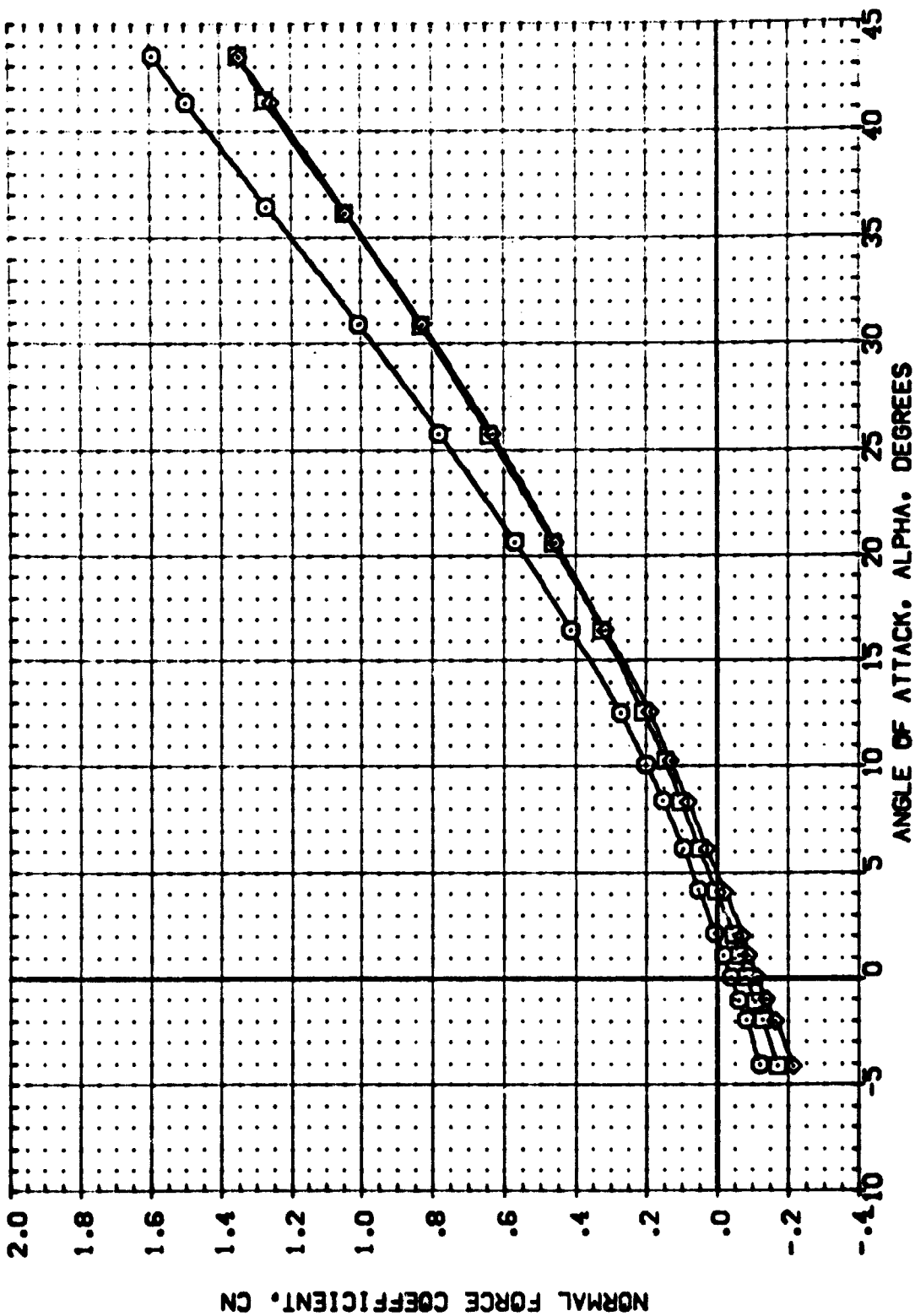
ELEVTR: 11.000, -21.000, -41.000

BDFLAP: 13.750, -14.250, -14.250

SPOBRK: 54.920, 54.920, 54.920

RUDGER: .000, .000, .000

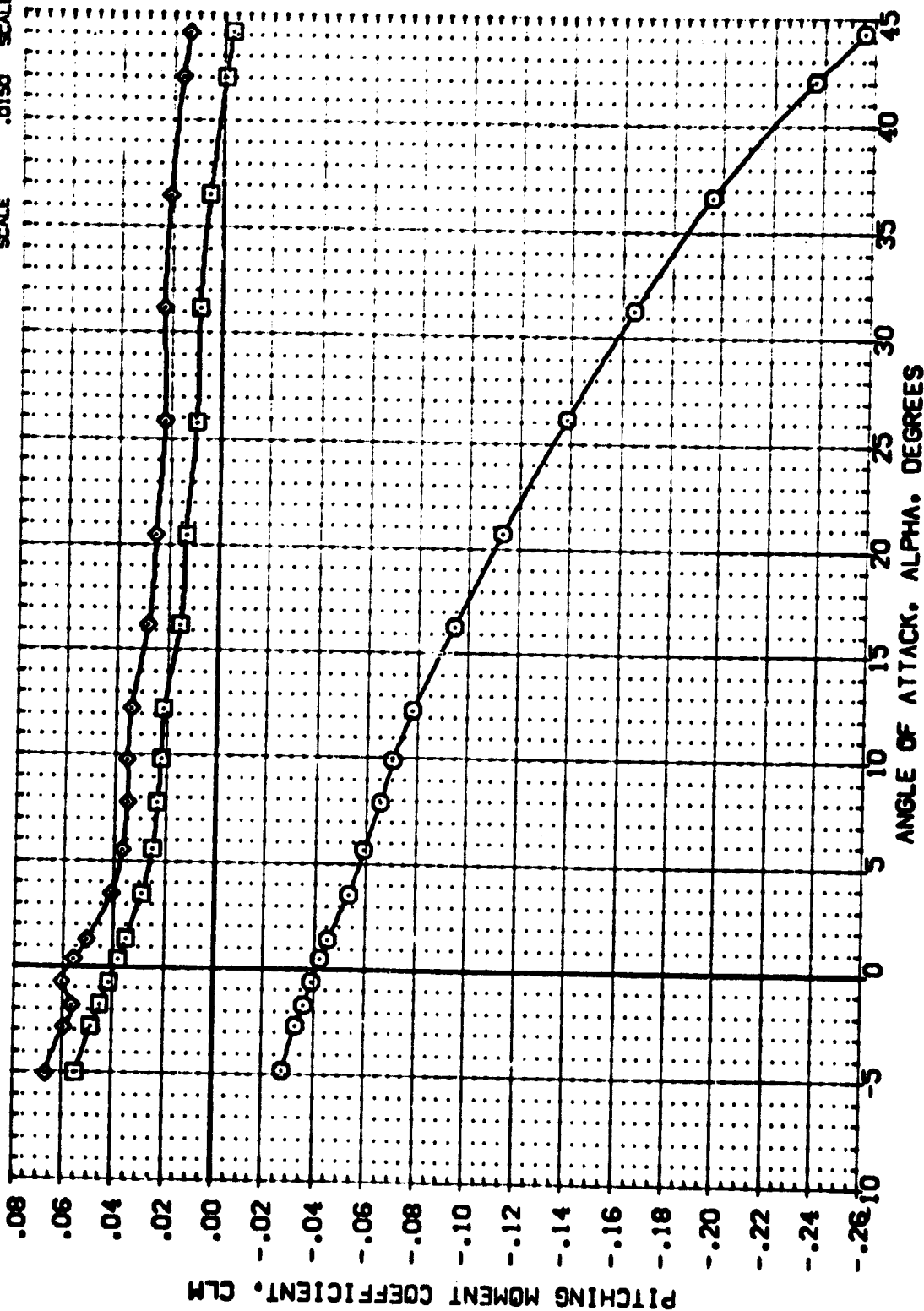
REFERENCE INFORMATION: SREF: 07.1560, LREF: 7.1270, XTRP: 14.0502, YTRP: 12.5772, ZTRP: .0000, SCALE: 8.0000, SQ. IN.: 0.0150, IN.-ES: 0.0150



ELEVONS DEFLECTED -1398 CONFIG  
(C)MACH = 4.60

DATA SET SYMBL. CONFIGURATION DESCRIPTION

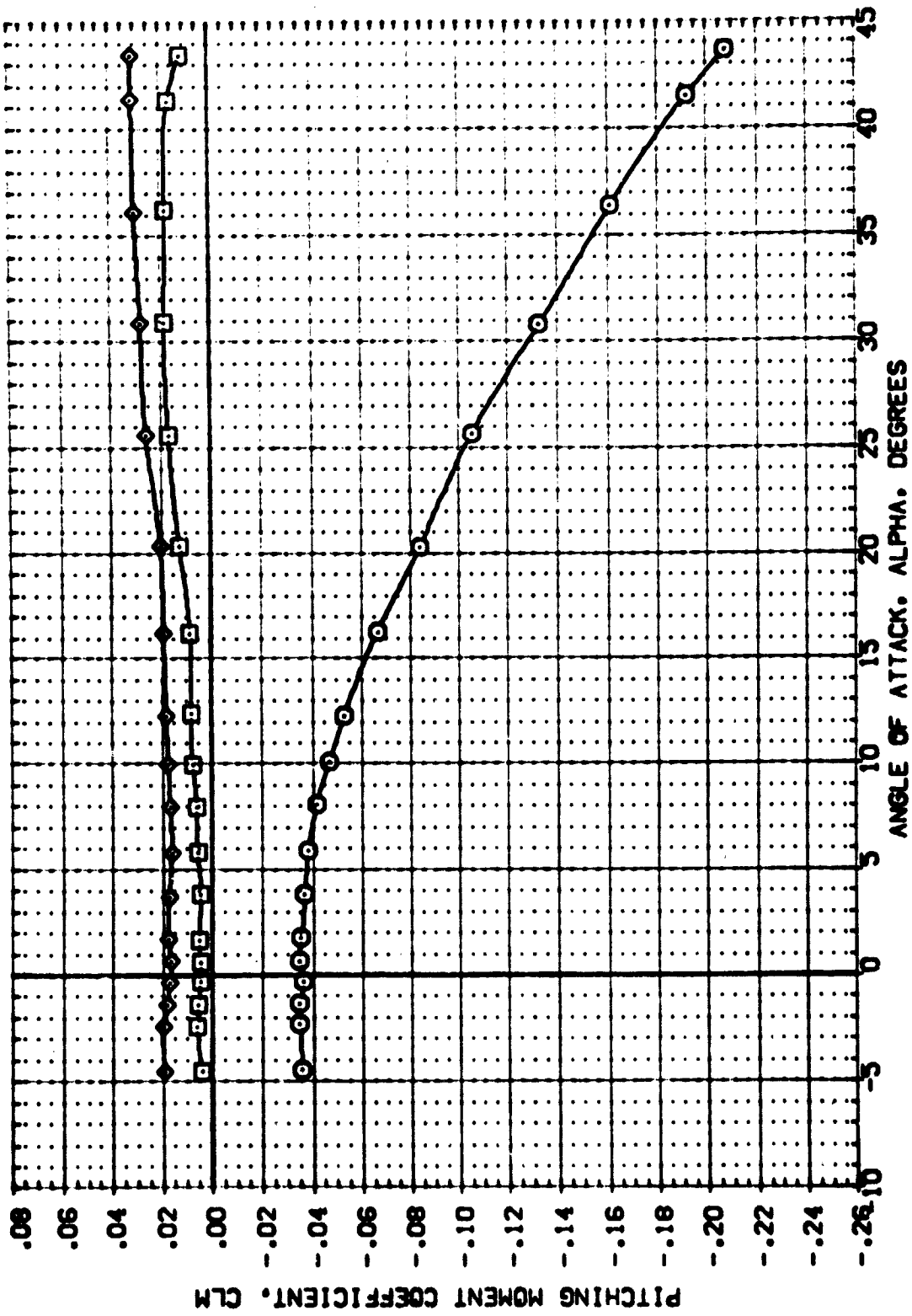
(MPE21)	0A44 UPVT 1035 CD-F4	B1SC7E23-SH483V7N107X18	ELEVTR	50FLAP	SPDBRK	RUDDER	REFERENCE INFORMATION
(MPE24)	0A44 UPVT 1035 CD-F4	B1SC7E23-SH483V7N107X18	11.000	13.750	54.520	.000	SRF 87.1500 50. IN.
(MPE20)	0A44 UPVT 1035 CD-F4	B1SC7E23-SH483V7N107X18	-24.000	-14.250	54.520	.000	LREF 7.1220 IN-OES
			-44.000	-14.250	54.520	.000	BREF 14.0502 IN-OES
							XPRP 12.5772 IN-OES
							ZPRP 6.0000 IN-OES
							ZPRP SCALE 6.0150 IN-OES



ELEVONS DEFLECTED -1398 CONFIG

(M)MACH = 2.50

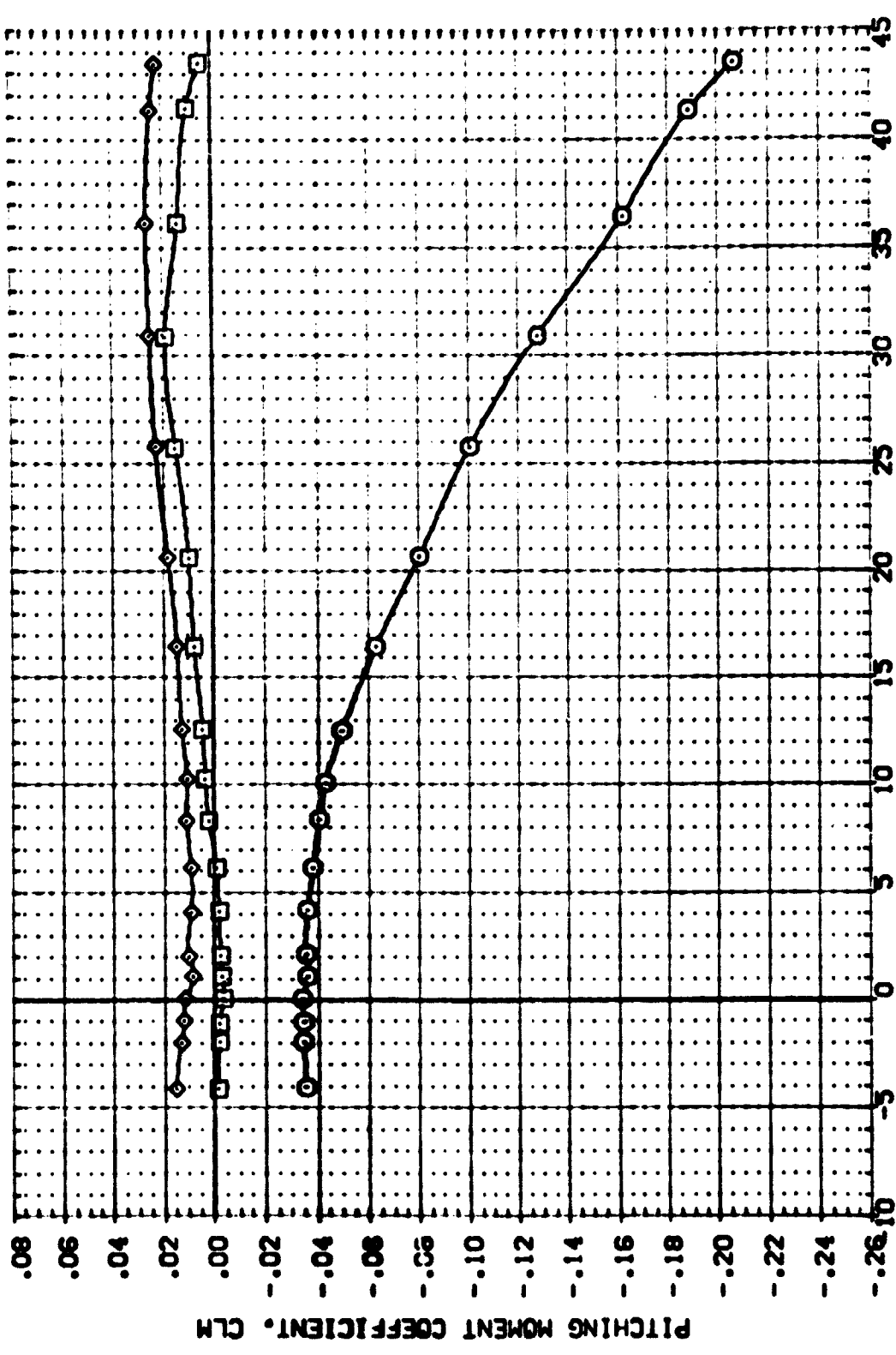
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	DEF LAP	SPOBRK	RUDETR	REFERENCE INFORMATION
(NPNZ1)	DATA UPVT 1000 CONF1	11.000	13.750	54.520	.00	REF 87.1580 50. IN.
(NPNZ2)	DATA UPVT 1000 CONF2	-24.000	-14.250	54.520	.000	LREF 7.1220 IN-OES
	DATA UPVT 1000 CONF3	-44.000	-14.250	54.520	.000	BREF 14.0502 IN-OES
	DATA UPVT 1000 CONF4					XREF 12.5772 IN-OES
						YREF 6.0000 IN-OES
						ZREF 6.0000 IN-OES
						SCALE .0150



ELEVONS DEFLECTED -1398 CONF16

(B)MACH = 3.90

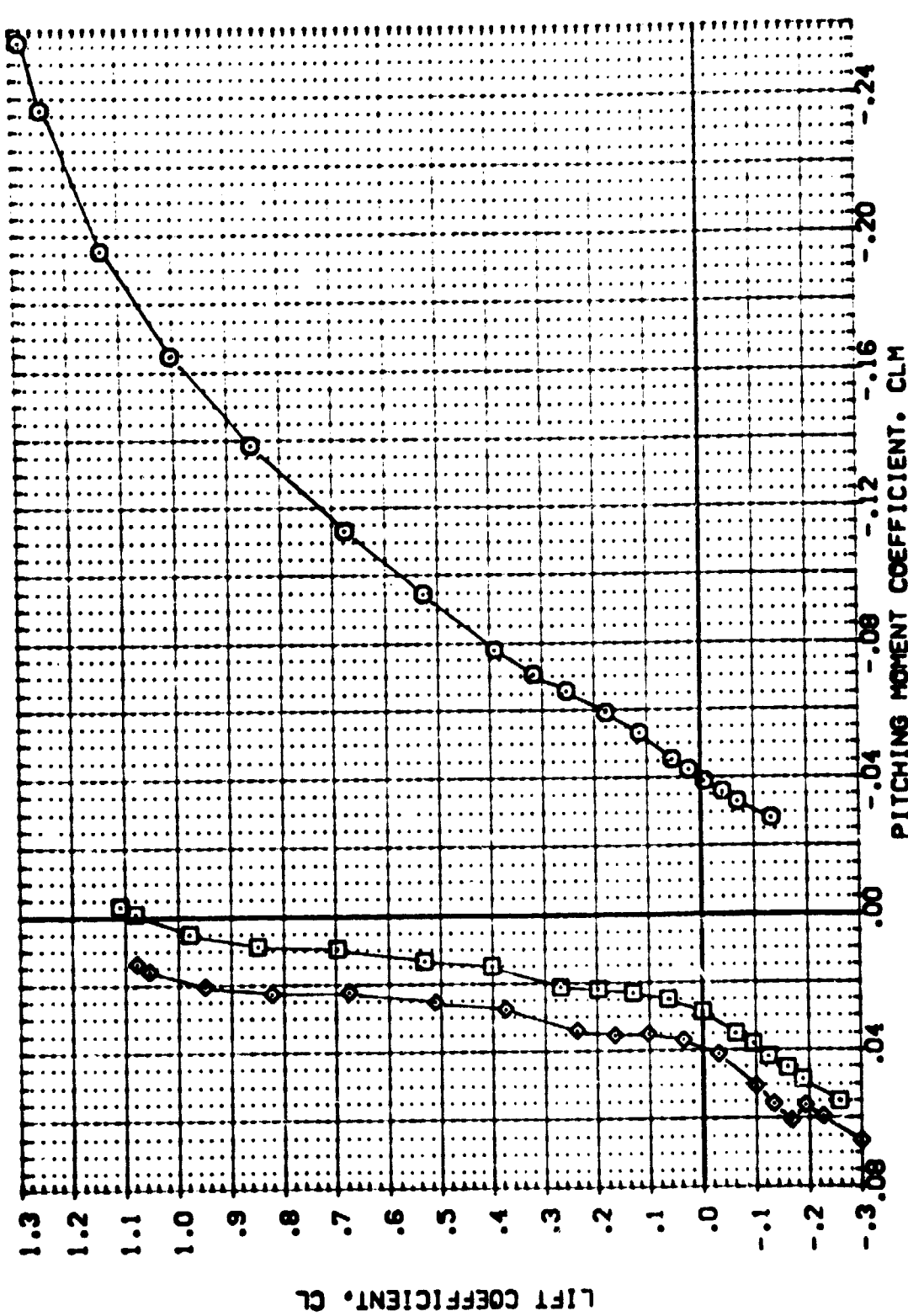
DATA SET SYMBL.	CONFIGURATION DESCRIPTION	ELEVTR	EDFLAP	SPDRK	RUDDER	REFERENCE INFORMATION
{ 01RZ21 }	01RZ22234567891011121314	11.000	13.750	51.500	.000	87.1560
{ 01RZ24 }	01RZ22234567891011121314	-21.000	-14.250	51.500	.000	7.1270
{ 01RZ23 }	01RZ22234567891011121314	-41.000	-14.250	51.500	.000	14.0502
						12.5772
						.0000
						6.0000
						.0150
						SCALE



ELEVONS DEFLECTED -1398 CONFIG

(C)MACH = 4.60

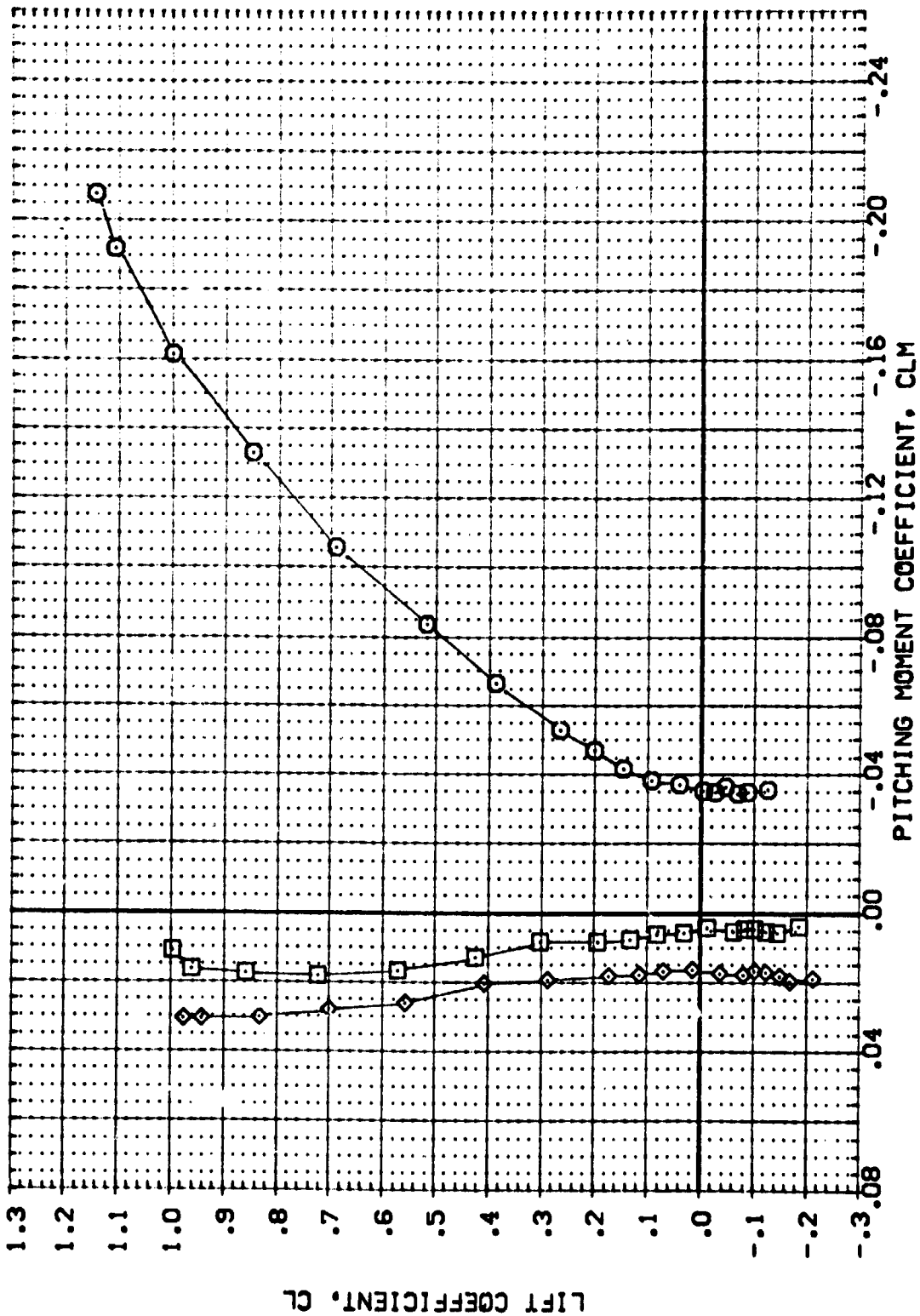
DATA SET SYMBOL: **0**  
 CONFIGURATION DESCRIPTION:  
 0A44 UNVT 1000 CONF4  
 0A44 UNVT 1000 CONF4  
 0A44 UNVT 1000 CONF4  
 REFERENCE INFORMATION:  
 SQ. IN. 87.1560  
 NO. OF 7.1720  
 NO. OF 14.3440  
 NO. OF 12.9772  
 NO. OF 8.0000  
 NO. OF 8.0000  
 NO. OF 8.0190  
 SCALE  
 ELEVTR 80FLAP 5PODRK 5RUDDR  
 11.000 13.750 34.500 .000  
 -21.000 -14.250 34.500 .000  
 -44.000 -14.250 34.500 .000  
 SCALE  
 ELEVTR 80FLAP 5PODRK 5RUDDR  
 11.000 13.750 34.500 .000  
 -21.000 -14.250 34.500 .000  
 -44.000 -14.250 34.500 .000  
 SCALE



ELEVONS DEFLECTED -1398 CONFIG  
 (A)MACH = 2.50



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	30FLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RPNZ1)	0A44 UPVT 1035 CONF4	11.000	13.750	54.920	.000	87.1560
(RPNZ2)	0A44 UPVT 1035 CONF4	-24.000	-14.250	54.920	.000	7.1220
(RPNZ3)	0A44 UPVT 1035 CONF4	-41.000	-14.250	54.920	.000	14.0502
(RPNZ4)						12.5772
(RPNZ5)						6.0000
						6.0000
						.0150
						SCALE

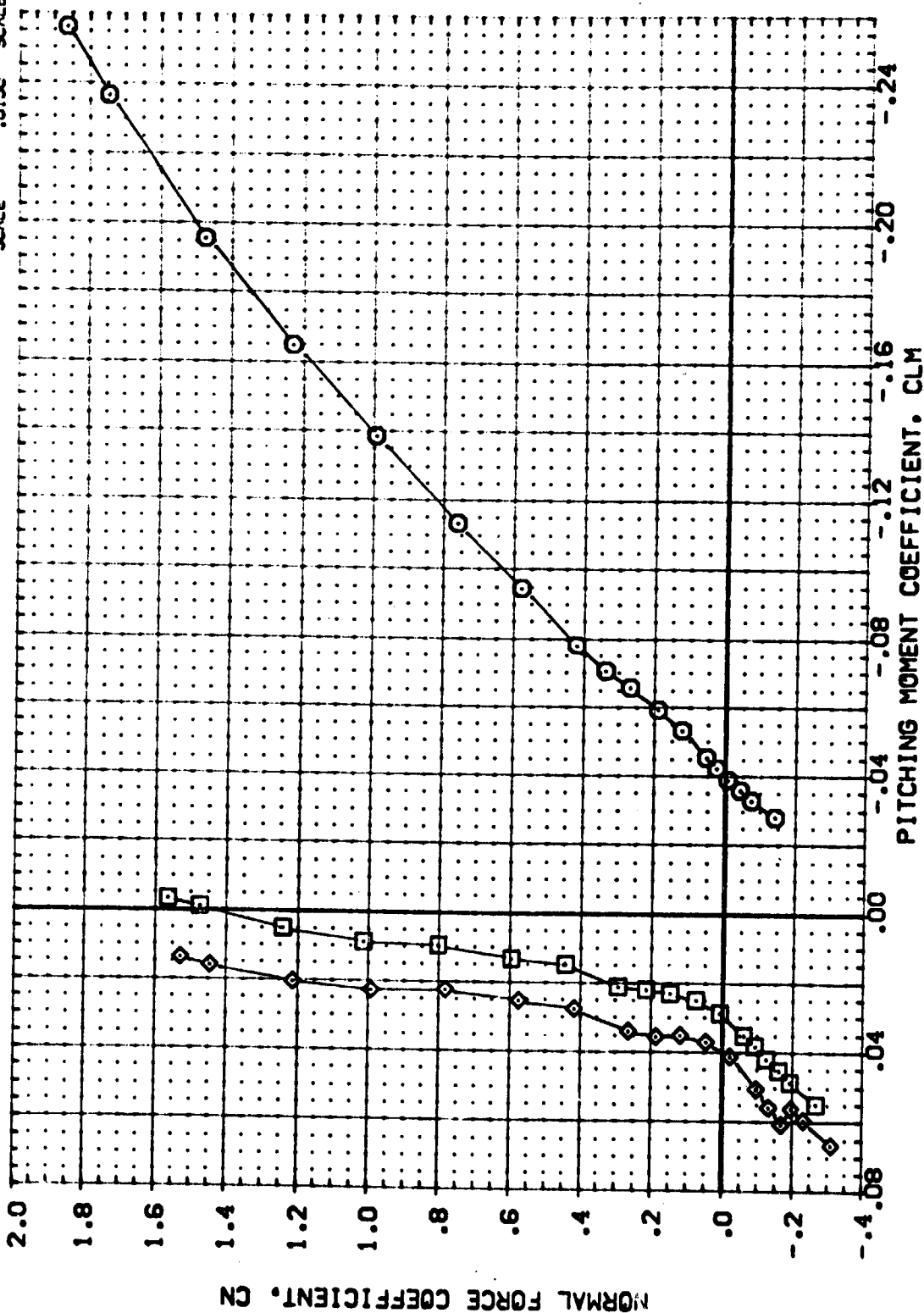


ELEVONS DEFLECTED -139B CONFIG

(B)MACH = 3.90



DATA SET SYMBOL: (RPNZ21) (RPNZ24) (RPNZ20)  
 CONFIGURATION DESCRIPTION: DA44 UPVT 1035 CONF 4, DA14 UPVT 1035 CONF 4, DA14 UPVT 1035 CONF 4  
 REFERENCE INFORMATION: SREF 87.1560 INCHES, LREF 7.1220 INCHES, BREF 14.0502 INCHES, XTRP 12.5772 INCHES, YTRP .0000 INCHES, ZTRP 6.0000 INCHES, SCALE .0150

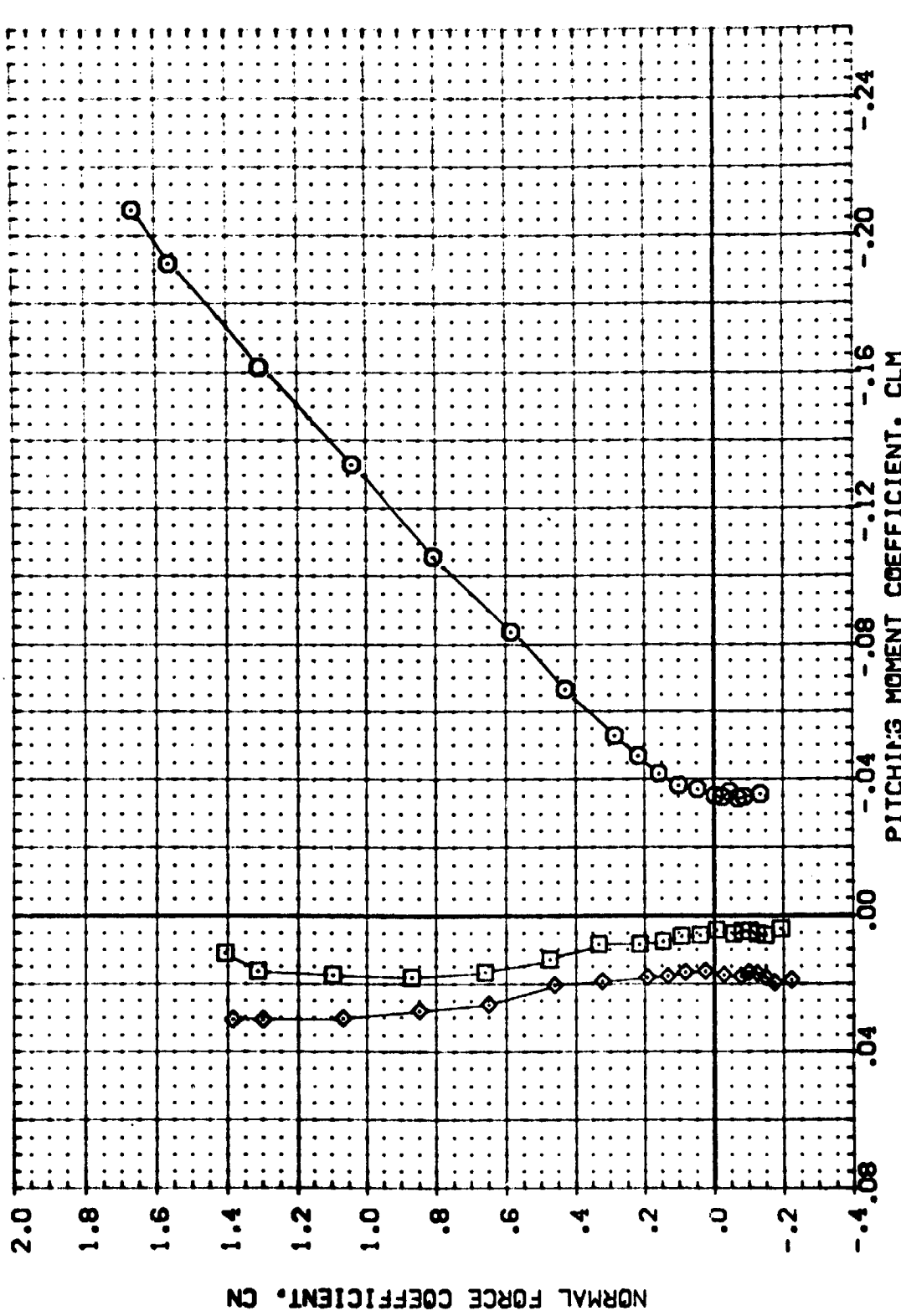


ELEVONS DEFLECTED -1398 CONFIG

(M)MACH = 2.50

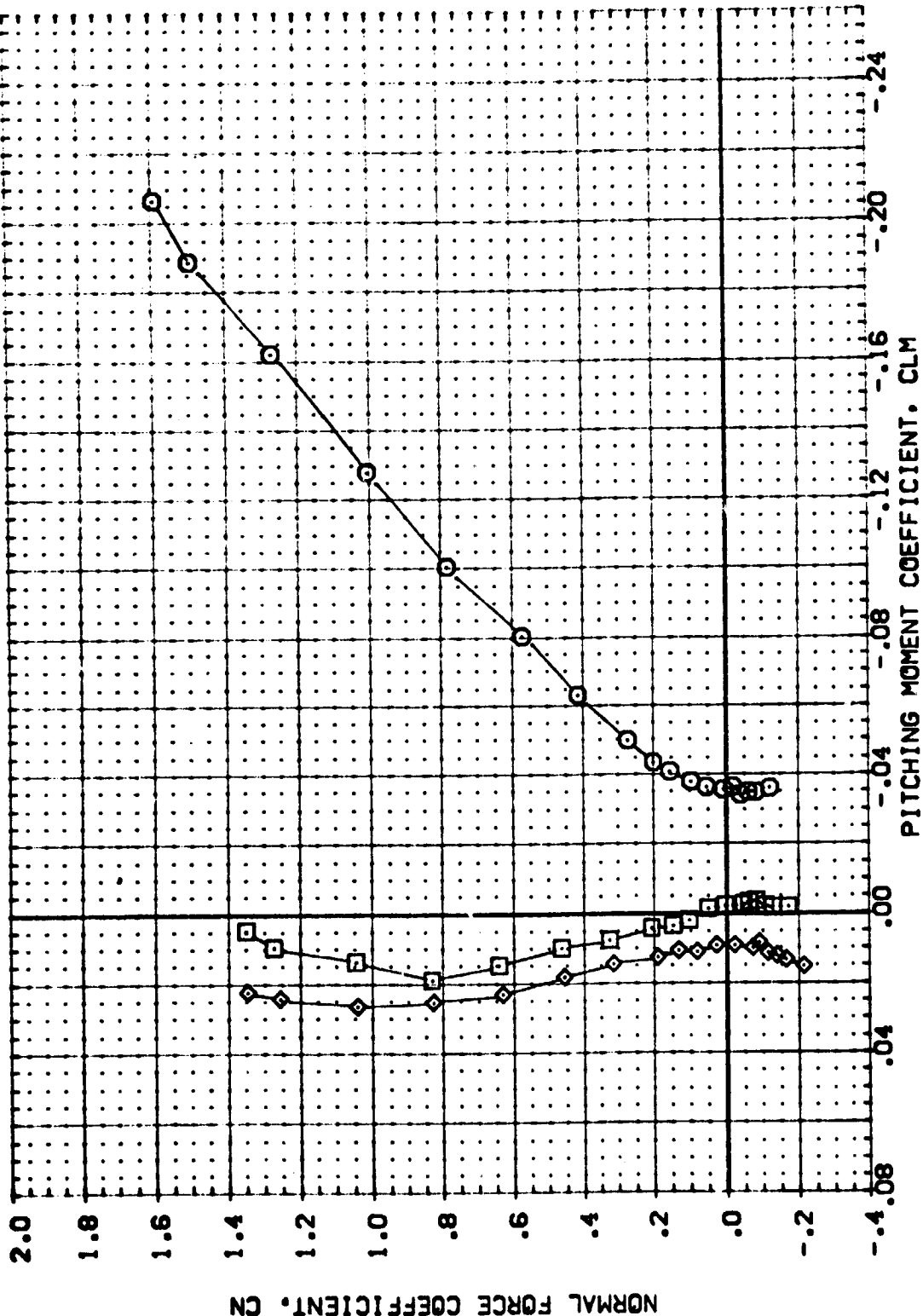
REPRODUCIBILITY OF THE  
 ORIGINAL PAGE IS POOR

DATA SET SYMBOL: (RPE21) (RPE24) (RPE20)  
 CONFIGURATION DESCRIPTION: 0A44 UPVT 1035 CONF4 81SC7E23-3-4HSV7V107X16  
 0A44 UPVT 1035 CONF4 81SC7E23-3-4HSV7V107X16  
 0A44 UPVT 1035 CONF4 81SC7E23-3-4HSV7V107X16



ELEVONS DEFLECTED -1398 CONFIG  
 (B)MACH = 3.90  
 PITCHING MOMENT COEFFICIENT, CLM  
 NORMAL FORCE COEFFICIENT, CN  
 REFERENCE INFORMATION: SQ. IN. 67.1550  
 LREF 7.1220  
 BREF 14.0502  
 XMRP 12.5772  
 YMRP 0.0000  
 ZMRP 6.0000  
 SCALE 0.0150

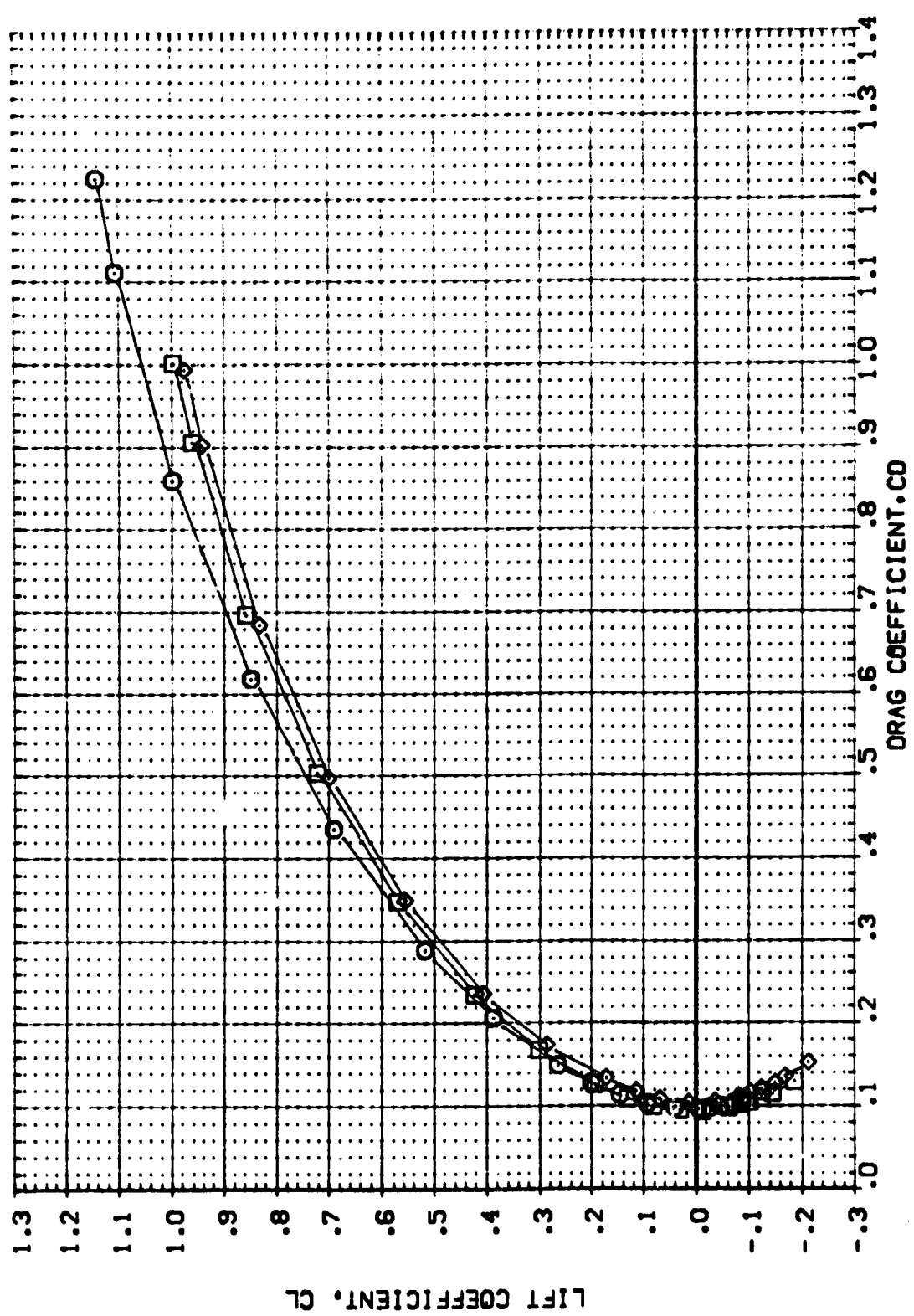
DATA SET SYMBOL: { 1398 }  
 CONFIGURATION DESCRIPTION: B1398E22F S41RSV7V | 07X18  
 B1398E22F S41RSV7V | 07X18  
 B1398E22F S41RSV7V | 07X18  
 REFERENCE INFORMATION: REF 07.1590 50 IN.  
 L REF 7.1220 1 NO-LES  
 S REF 14.0500 1 NO-LES  
 XTRP 12.3772 1 NO-LES  
 YTRP 6.0000 1 NO-LES  
 ZTRP 6.0000 1 NO-LES  
 SCALE .0150 SCALE



ELEVONS DEFLECTED -1398 CONFIG  
 (C)MACH = 4.60



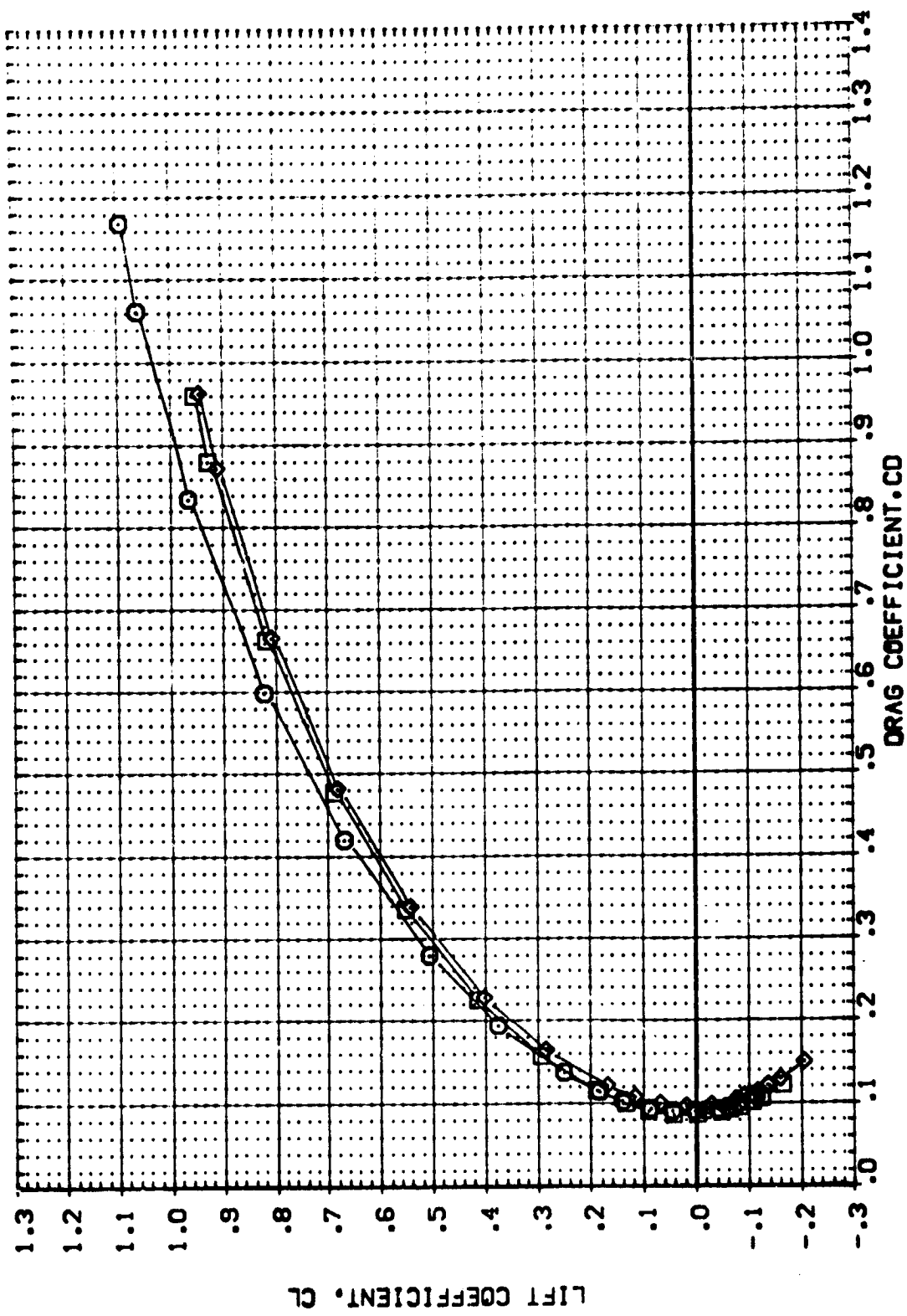
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BOFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RPNZ1)	DA44 UPVT 1035 CONF4	11.000	13.750	54.920	.000	SREF 87.1560 50. IN.
(RPNZ4)	DA44 UPVT 1035 CONF4	-24.000	-14.250	54.920	.000	LREF 7.1220 INCHES
(RPNZ0)	DA44 UPVT 1035 CONF4	-44.000	-14.250	54.920	.000	BREF 14.0502 INCHES
						XMRP 12.5772 INCHES
						YMRP .0000 INCHES
						ZMRP 6.0000 INCHES
						SCALE .0150 SCALE



ELEVONS DEFLECTED - 1398 CONFIG

(B)MACH = 3.90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BOFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RPNZ1)	0A44 UPVT 1035 CONF4	11.000	13.750	54.970	.000	SREF 87.1560 SO.IN
(RPNZ1)	0A44 UPVT 1035 CONF4	-21.000	-14.250	54.970	.000	LREF 7.1200 IN.OES
(RPNZ0)	0A44 UPVT 1035 CONF4	-44.000	-14.250	54.970	.000	BREF 14.5502 IN.OES
						XMRP 12.5772 IN.OES
						YMRP .0000 IN.OES
						ZMRP 6.0000 IN.OES
						SCALE .0130 SCALE



ELEVONS DEFLECTED -1398 CONFIG

(C)MACH = 4.60



DATA SET SYMBOL: (RPP21) (RPP24) (RPP20)

CONFIGURATION DESCRIPTION: DA41 UPVT 1035 CONF4, DA11 UPVT 1035 CONF4, DA11 UPVT 1035 CONF4

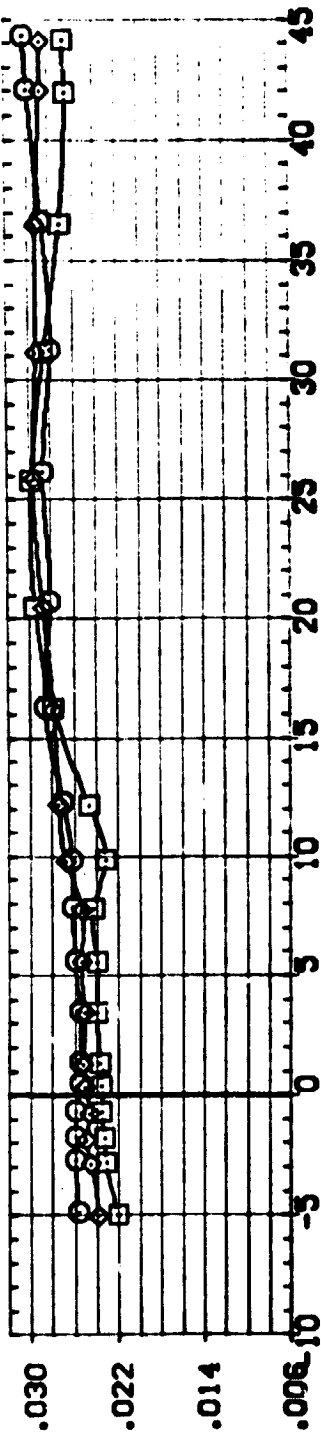
ELEVTR: 11.000, -24.000, -44.000

BOFLAP: 13.750, -14.250, -14.250

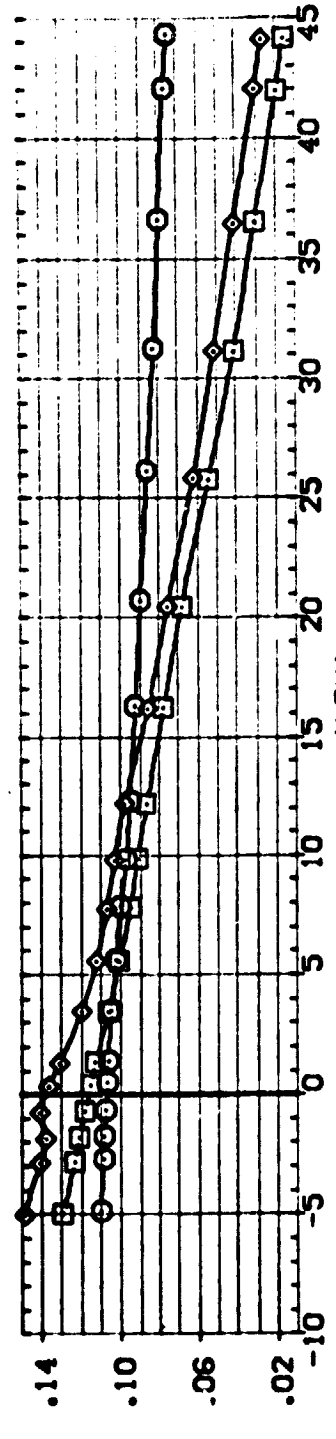
SPOBRK: 54.520, 54.520, 54.520

RUDDER: .000, .000, .000

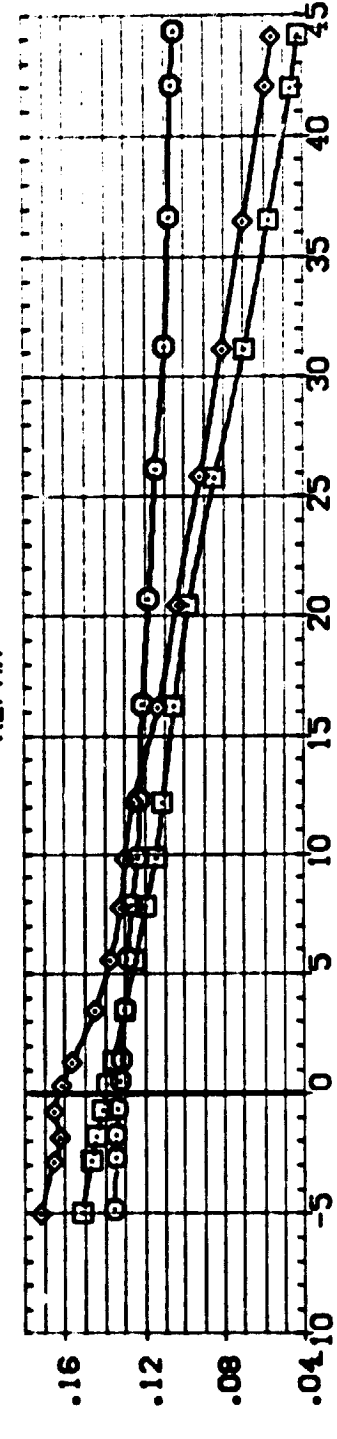
REFERENCE INFORMATION: SREF 87.1560, LREF 7.1220, BREF 14.0502, XREF 12.5772, YREF 6.0000, ZREF 6.0000, SCALE .0150



CAB




CAF



CAV

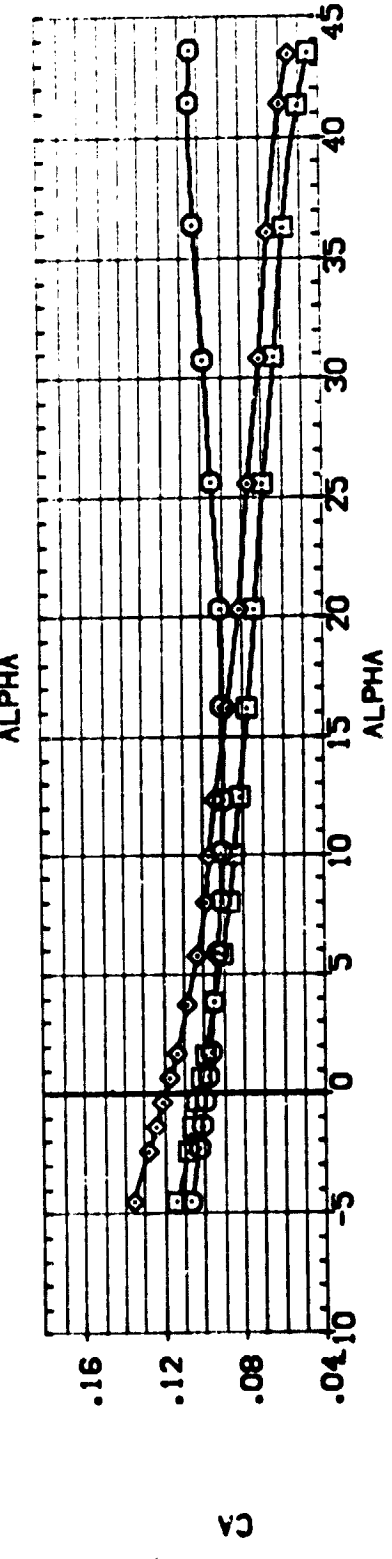
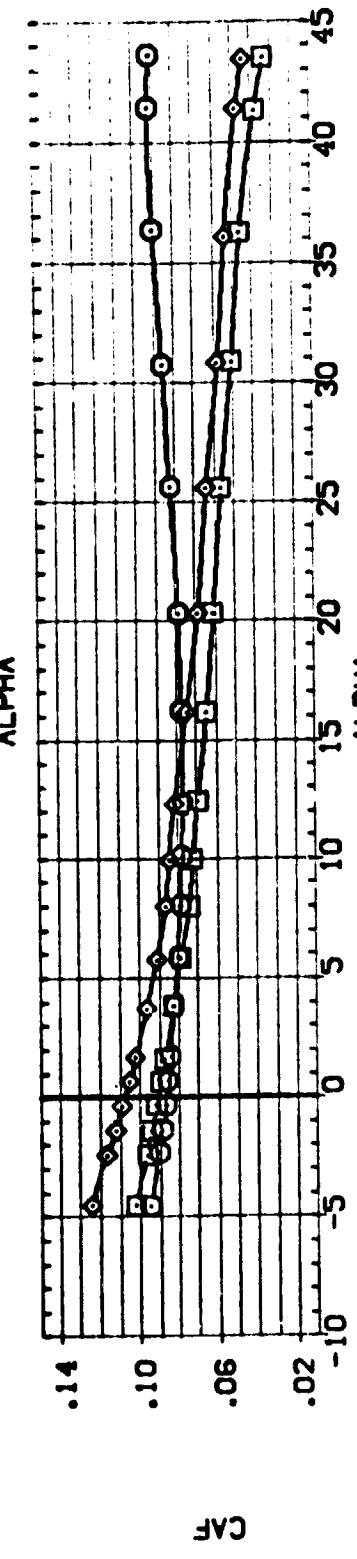
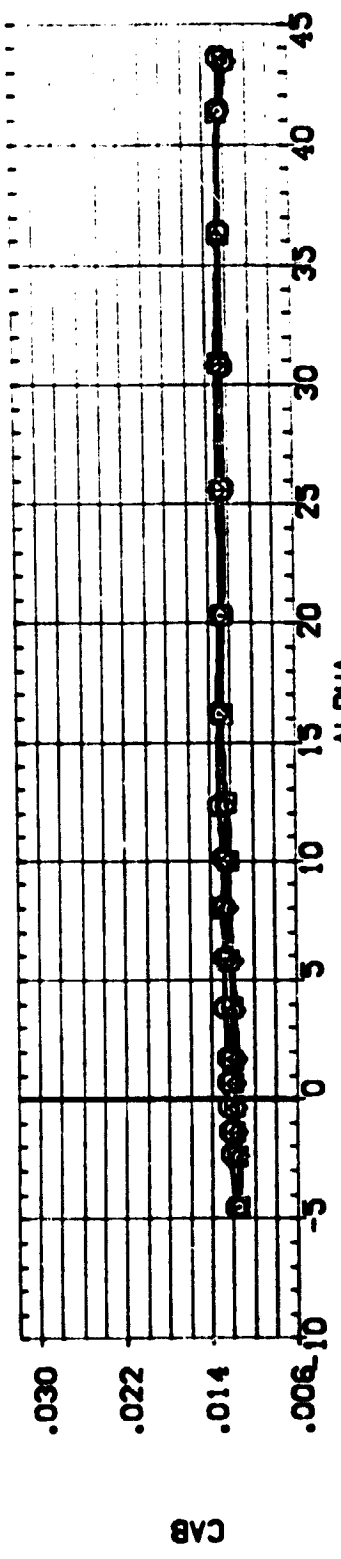
ELEVONS DEFLECTED -139B CONFIG

(A)MACH = 2.50

DATA SET SYMBOL:    
 { 199P21 }   
 { 199P24 }   
 { 199P28 }

CONFIGURATION DESCRIPTION   
 BA44 UPVT 1038 CONF 4   
 BA44 UPVT 1039 CONF 4   
 BA44 UPVT 1039 CONF 4   
 BA44 UPVT 1038 CONF 4

ELEVTR 80FLAP SPOBRK RUDDER REFERENCE INFORMATION   
 11.000 13.750 .000 87.1560 SO.IN.   
 -24.000 -14.250 .000 7.1200 IN-ES   
 -44.000 -14.250 .000 14.0502 IN-ES   
 .0000 .0000 .0000 12.5772 IN-ES   
 6.0000 .0150 6.0000 IN-ES   
 SCALE



ELEVONS DEFLECTED -1398 CONFIG

(B)M:Cl = 3.90

DATA SET SYMBOL: (RMP21) (RMP24) (RMP20)

CONFIGURATION DESCRIPTION: 0441 UPT 1035 CONF1, 0441 UPT 1035 CONF4, 0441 UPT 1035 CONF1

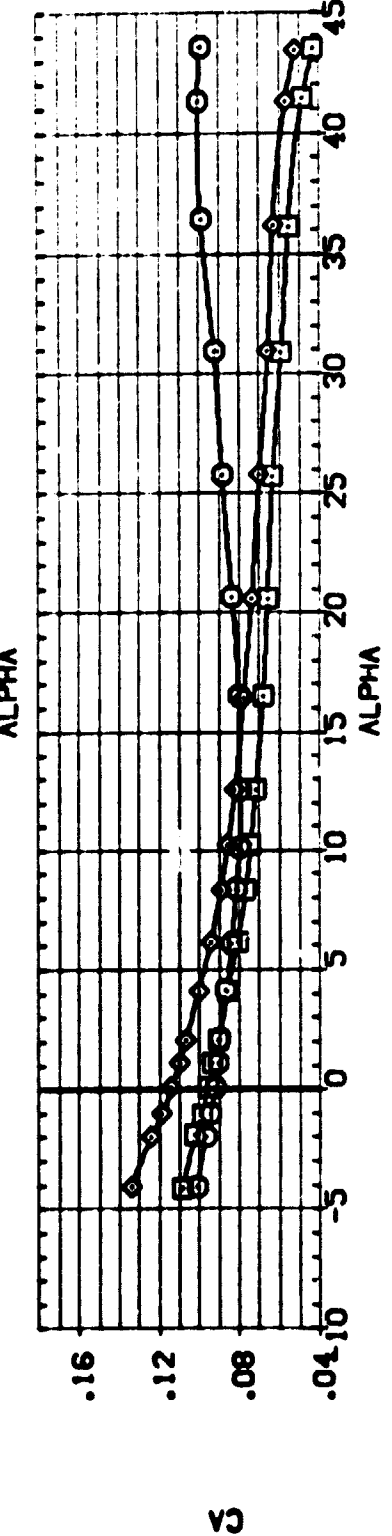
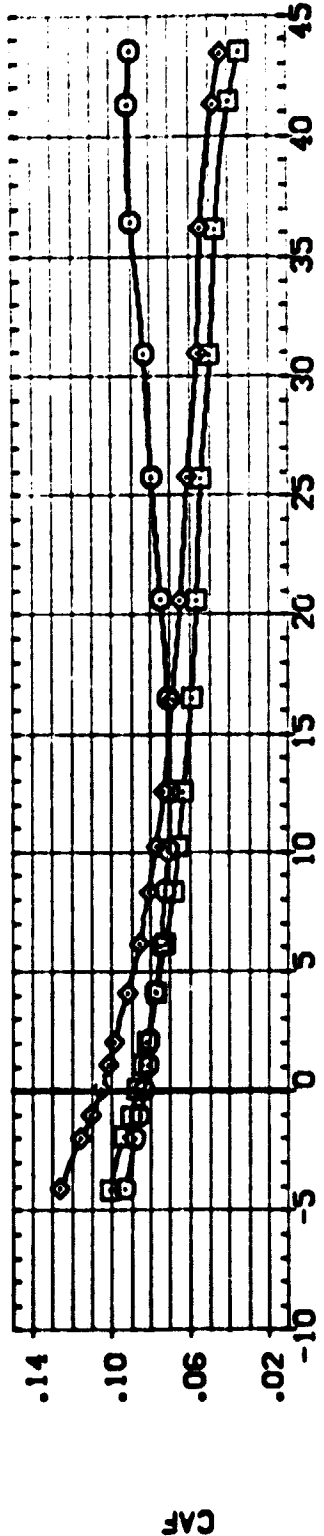
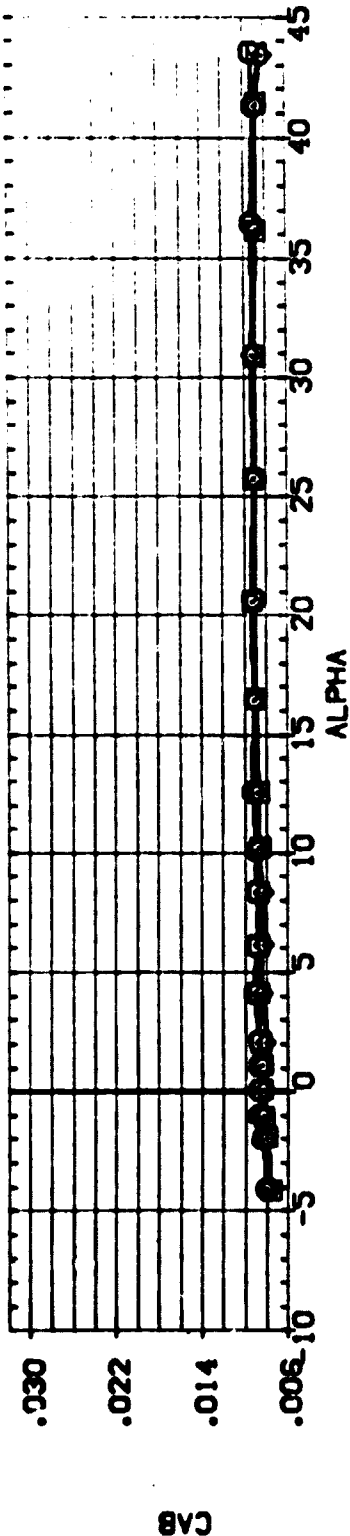
ELEVTR: 11.000, -24.000, -44.000

SDFLAP: 13.750, -14.250, -14.250

SPDBRK: 54.920, 54.920, 54.920

RUDDER: .000, .000, .000

REFERENCE INFORMATION: SREF 87.1560, LREF 7.1220, BREF 14.0502, XMRP 12.5772, YMRP 6.0000, ZMRP .0000, SO IN: 50 IN, IN-OES: 10 IN, IN-OES: 10 IN, IN-OES: 10 IN, SCALE: .0150

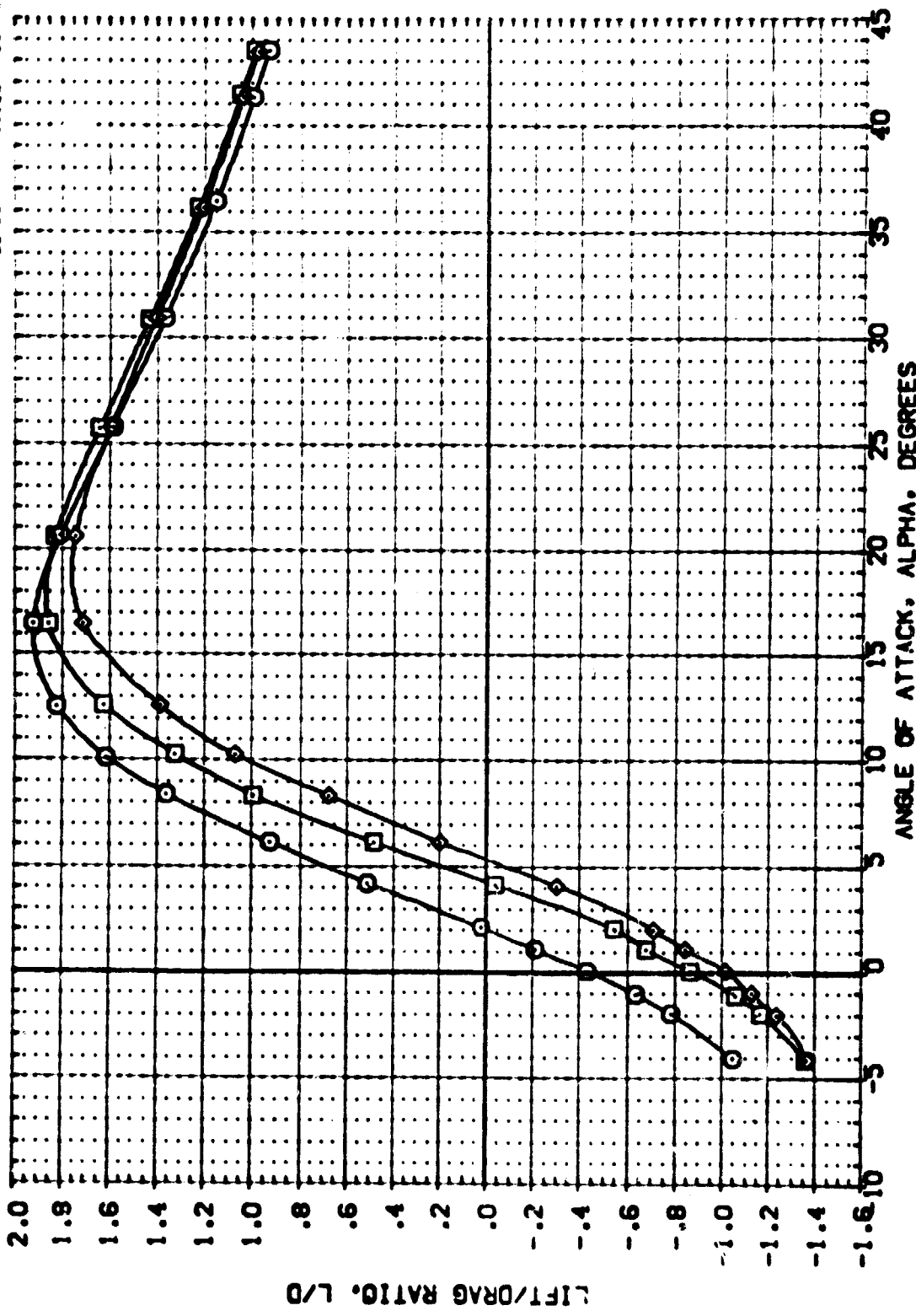


ELEVONS DEFLECTED -139B CONFIG  
(C)MACH = 4.60





DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	EDFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(R0021)	8444 UPVT 1000 CONF4	11.000	13.750	54.000	.000	SREF 07.1560 SQ.IN.
(R0022)	815C7E23-SW08V7107X18	-24.000	-14.250	54.000	.000	LSREF 7.1720 IN.OES
(R0023)	815C7E23-SW08V7107X18	-24.000	-14.250	54.000	.000	MSREF 14.0502 IN.OES
(R0024)	815C7E23-SW08V7107X18	-24.000	-14.250	54.000	.000	TRAPP 12.5772 IN.OES
(R0025)	815C7E23-SW08V7107X18	-24.000	-14.250	54.000	.000	ZTRAPP 6.0000 IN.OES
						SCALE .0150 SCALE



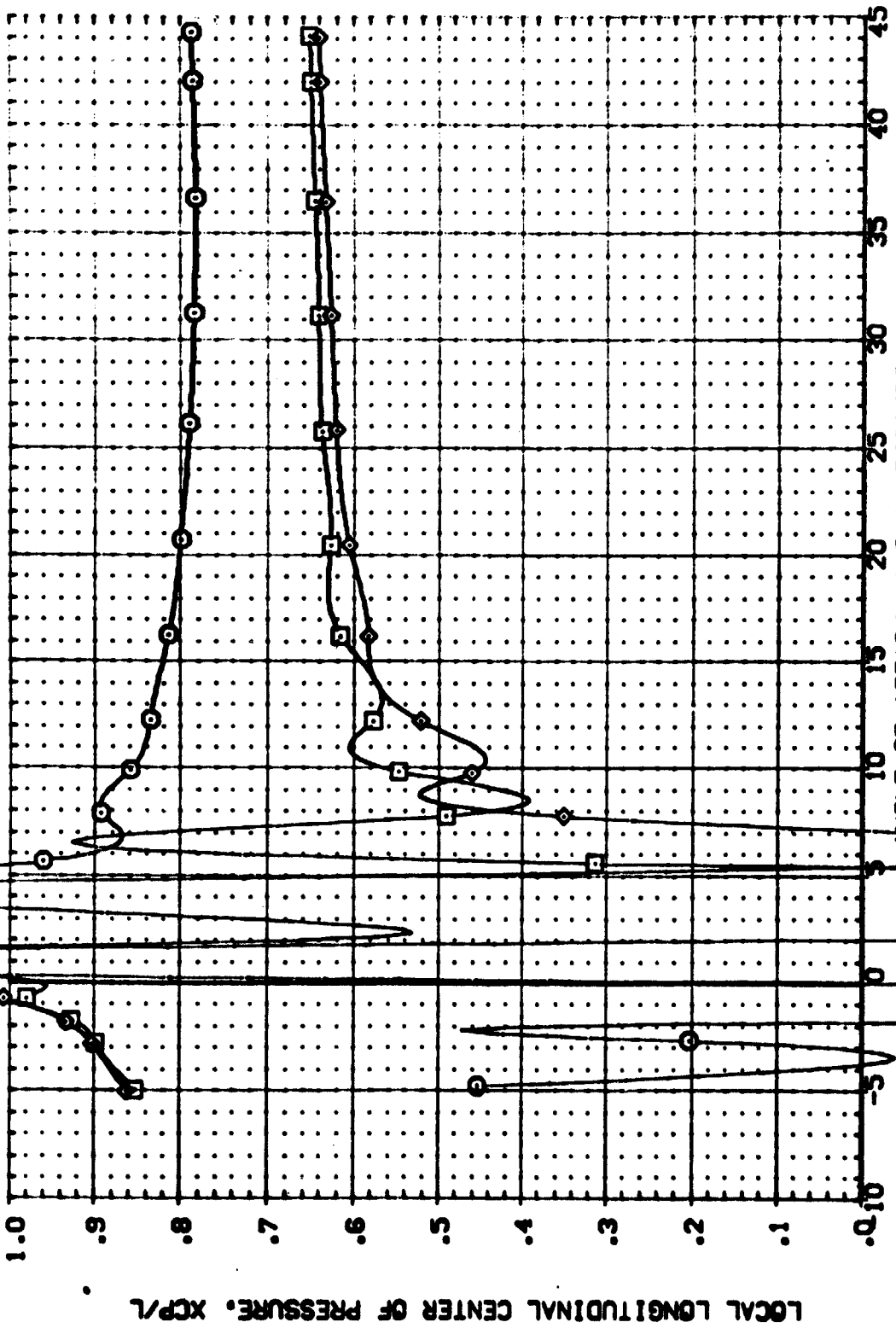
ELEVONS DEFLECTED -1390 CONFIG

(C)MACH = 4.60

3-1

DATA SET SYMBL. CONFIGURATION DESCRIPTION REFERENCE INFORMATION

(RNP21)	044	UPVT	1035	CONF-4	018C7E23F54HSV7V107X18	87.1500	50.00	INCHES
(RNP21)	044	UPVT	1035	CONF-4	018C7E23F54HSV7V107X18	7.1270	14.00	INCHES
(RNP20)	044	UPVT	1035	CONF-4	018C7E23F54HSV7V107X18	12.5772	6.0000	INCHES
						6.0000	6.0000	INCHES
						.0150		SCALE

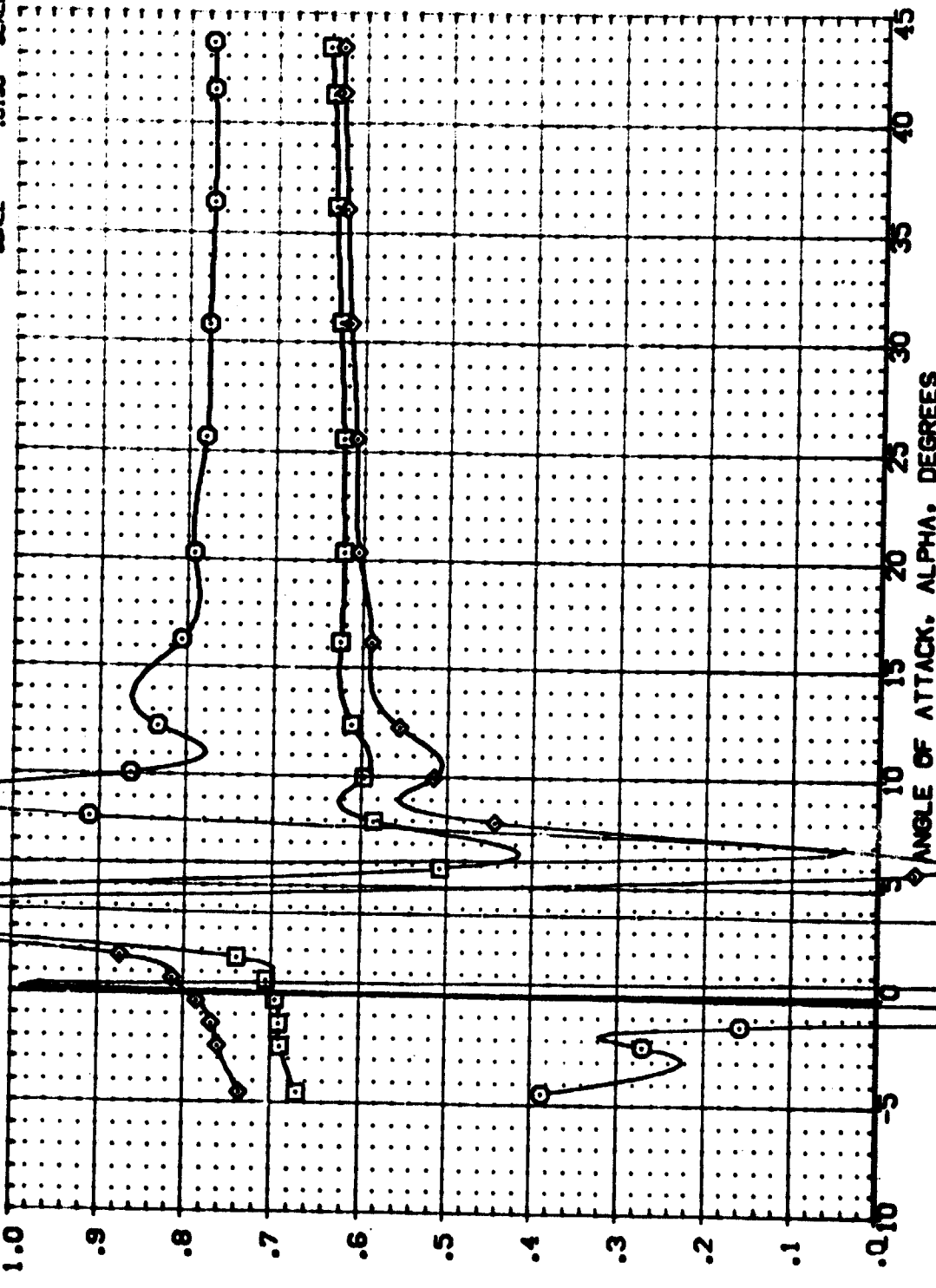


ELEVONS DEFLECTED -1398 CONFIG

(M)MACH = 2.50

DATA SET SWED. CONFIGURATION DESCRIPTION  
 [SWED1] 8MM UNVT 1000 CONF  
 [SWED2] 8MM UNVT 1000 CONF  
 [SWED3] 8MM UNVT 1000 CONF

ELEVTR EDLAP SPORX RUDZER REFERENCE INFORMATION  
 11.000 12.700 54.500 87.1500 90. IN  
 -4.000 -14.200 54.500 7.1220 IN-OES  
 -41.000 -14.200 54.520 14.0502 IN-OES  
 XTRP 12.5772 IN-OES  
 YTRP 6.0000 IN-OES  
 ZTRP 6.0000 IN-OES  
 SCALE .0150 SCALE



ELEVONS DEFLECTED -139B CONFIG

(B)MACH = 3.90



DATA SET SWEEP REFERENCE INFORMATION

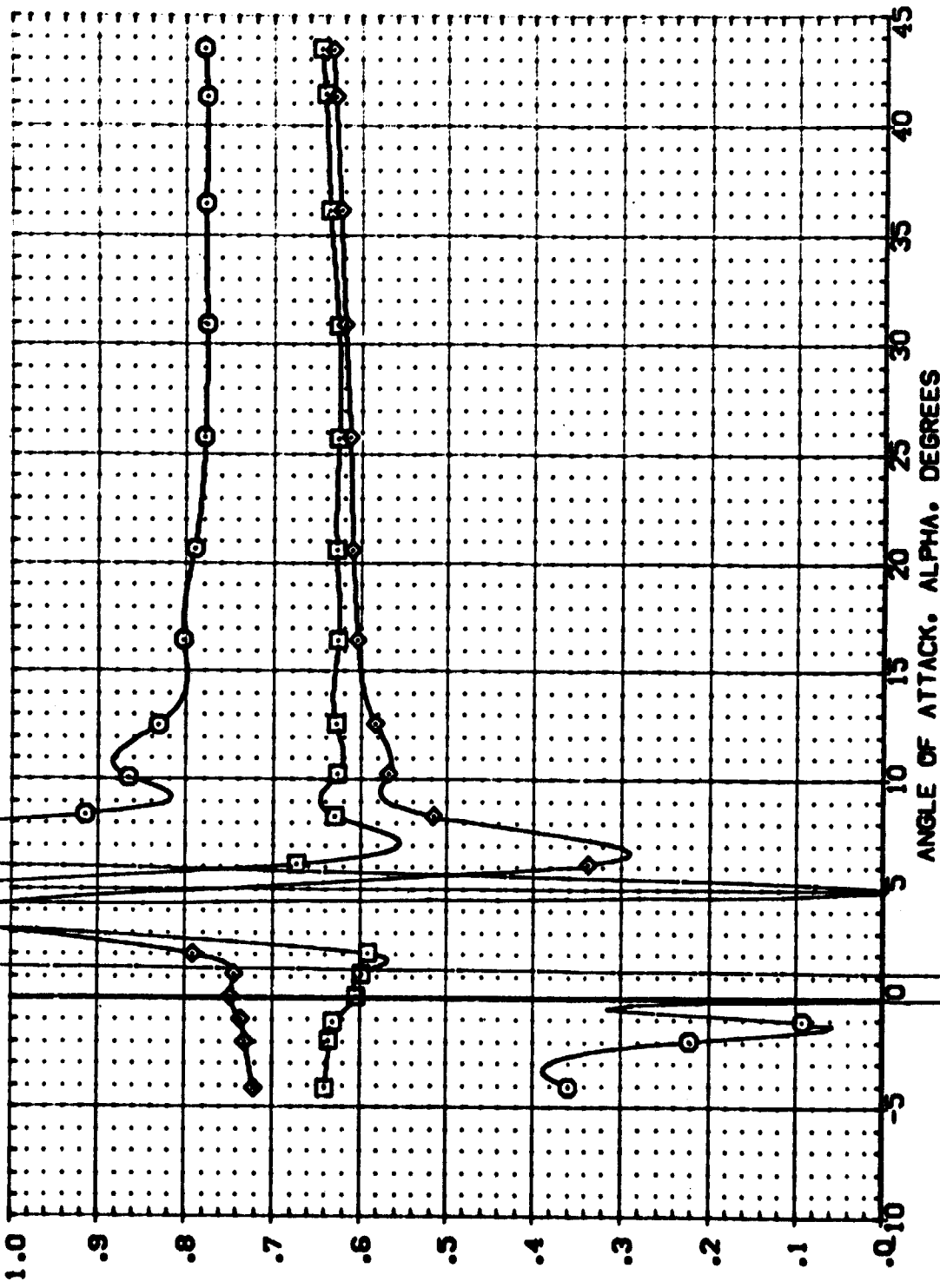
(RNP21)	0M44 UPVT 1005 CONF4	81S7E233M4RGV7107X18	SREF	87.1560	SD, IN.
(RNP22)	0M44 UPVT 1005 CONF4	81S7E233M4RGV7107X18	LREF	7.1220	IN-OES
(RNP20)	0M44 UPVT 1005 CONF4	81S7E233M4RGV7107X18	BREF	14.0502	IN-OES
			YREF	12.5772	IN-OES
			ZREF	6.0000	IN-OES
			SCALE	.0150	SCALE

ELEVTR BOFLAP SPOBRK RUDDER

11.000	13.750	54.520	.000
-24.000	-14.250	54.520	.000
-44.000	-14.250	54.520	.000

CONFIGURATION DESCRIPTION

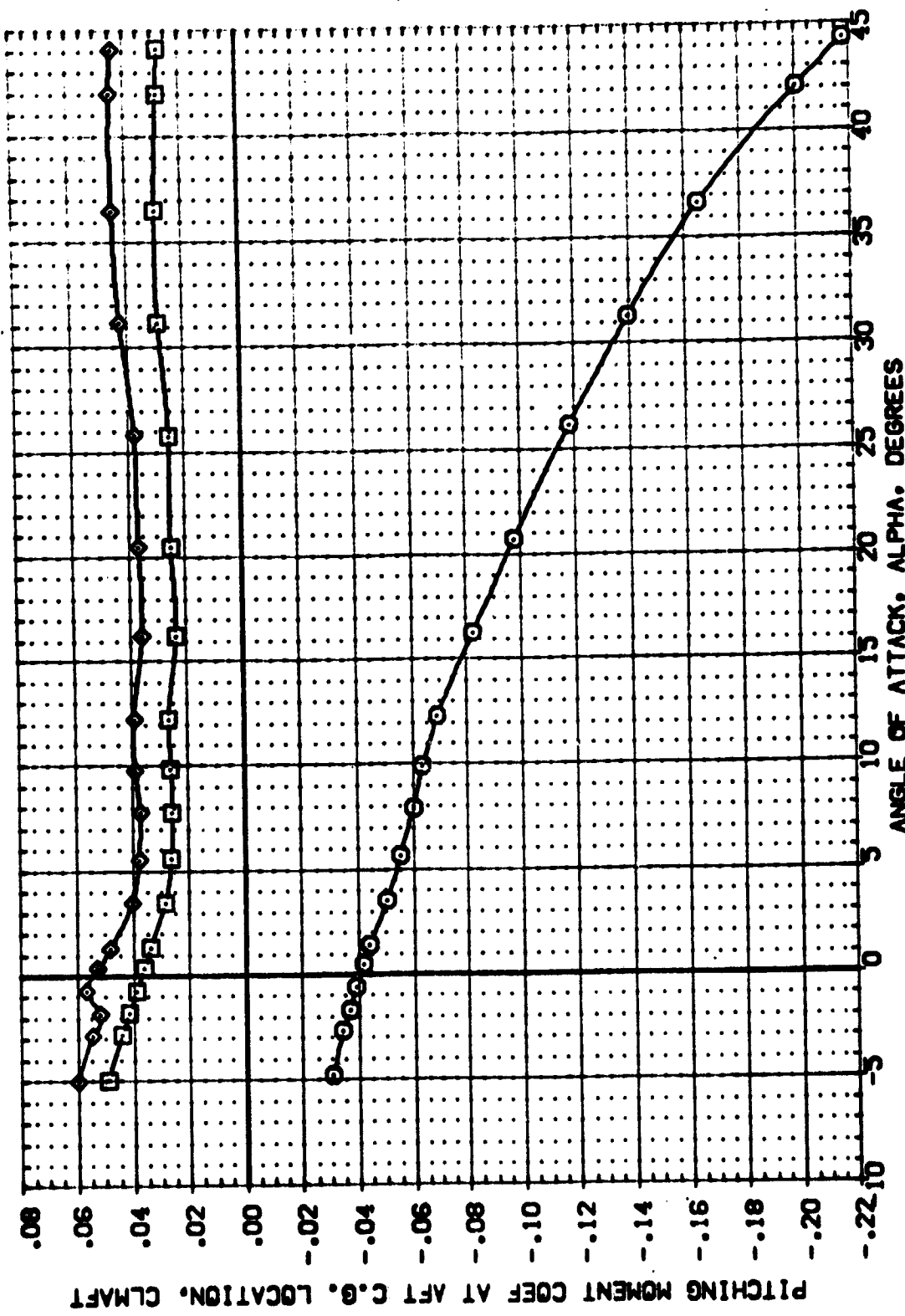
81S7E233M4RGV7107X18
81S7E233M4RGV7107X18
81S7E233M4RGV7107X18



ELEVONS DEFLECTED +1398 CONFIG

(C)MACH = 4.60

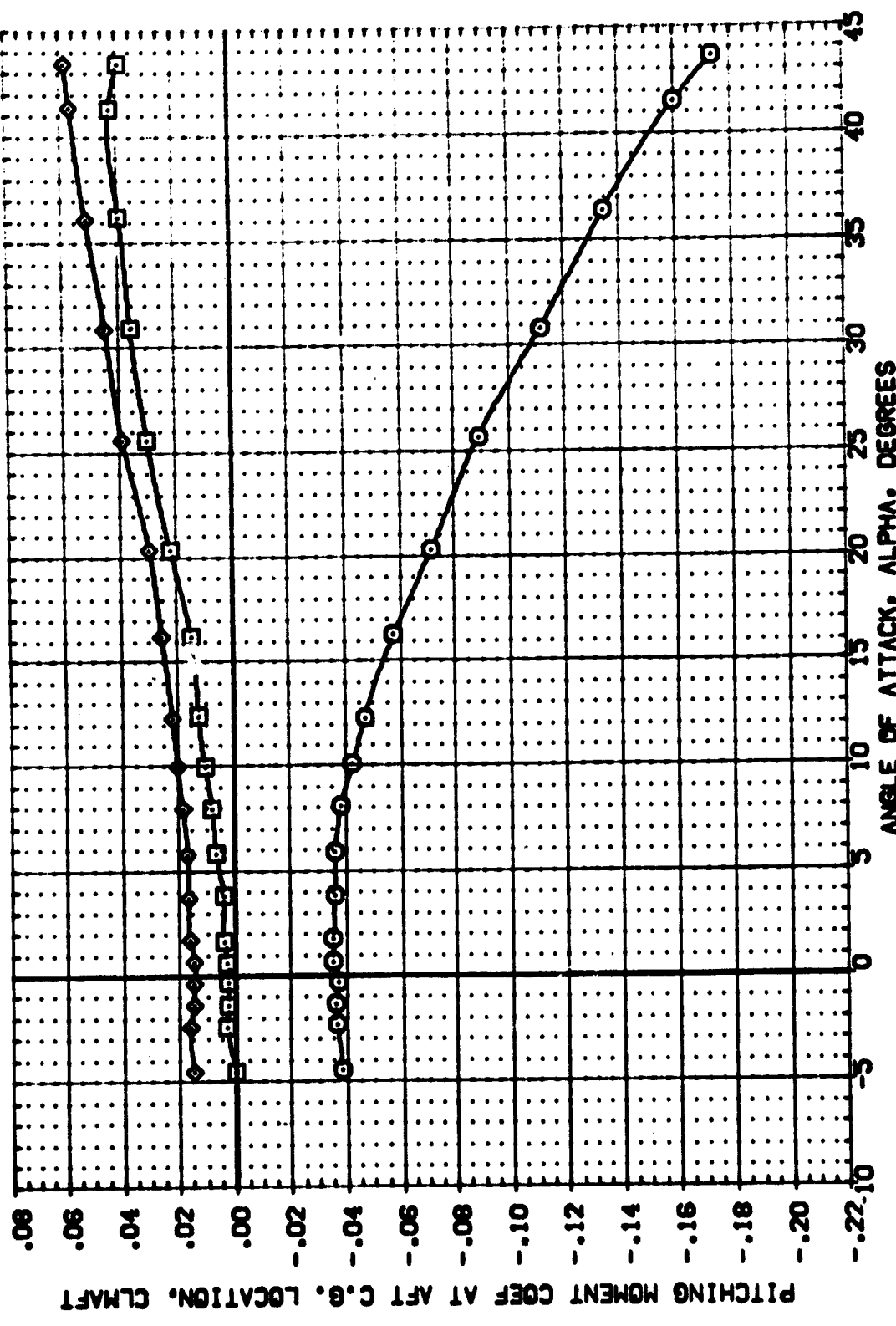
DATA SET SYMBOL: (MPCZ1) (MPCZ2) (MPCZ3) (MPCZ4) (MPCZ5)  
 CONFIGURATION DESCRIPTION: DATA UNIT 1000 CONF 1 DATA UNIT 1000 CONF 1 DATA UNIT 1000 CONF 1 DATA UNIT 1000 CONF 1 DATA UNIT 1000 CONF 1  
 ELEVTR: 11.000 19.750 11.000  
 SPOWRK: 54.520 54.520 54.520  
 NUMBER: .000 .000 .000  
 REFERENCE INFORMATION: SHEET 07.5800 SO. IN. 7.1200 INCHES LINE 14.0500 INCHES TRIP 12.0000 INCHES TRIP 6.0000 INCHES TRIP 6.0000 INCHES SCALE .0150



ELEVONS DEFLECTED -1398 CONFIG

(A)MACH = 2.50

DATA SET SYMBL.	CONFIGURATION DESCRIPTION	ELEVTR	EDFLAP	SPDRK	RUDDER	REFERENCE INFORMATION
{(MNUZ1)}	0A44 UPVT 1035 CONF4	11.000	13.750	54.520	.000	REF 67.5000
{(MNUZ2)}	0A44 UPVT 1035 CONF4	-21.000	-14.250	54.520	.000	REF 7.1220
{(MNUZ3)}	0A44 UPVT 1035 CONF4	-41.000	-14.250	54.520	.000	REF 14.6500
						REF 12.5643
						REF .0000
						REF 6.0000
						REF .0150
						SCALE

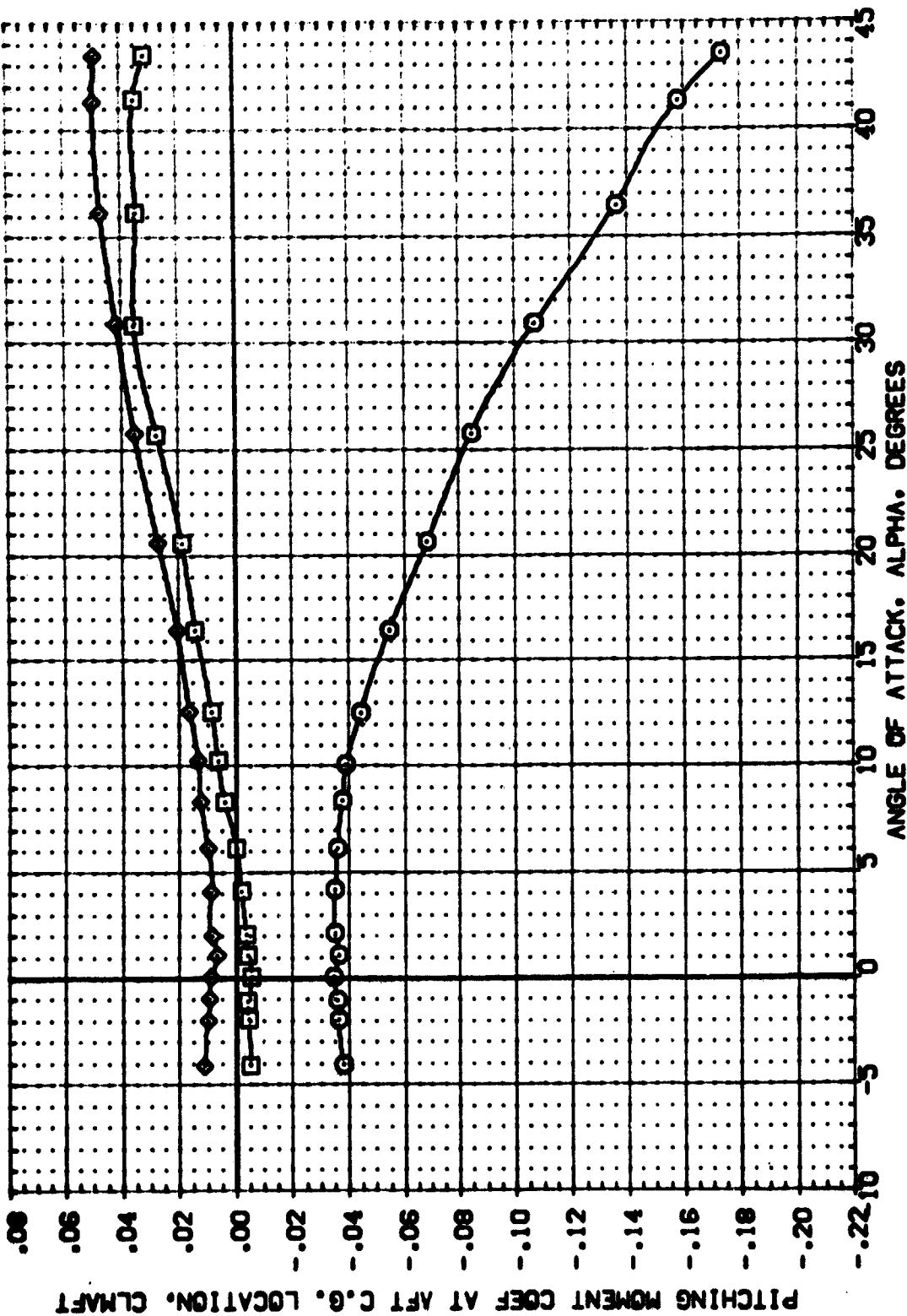


ELEVONS DEFLECTED -1398 CONFIG

(B)MACH = 3.90

DATA SET SWEB. CONFIGURATION DESCRIPTION REFERENCE INFORMATION

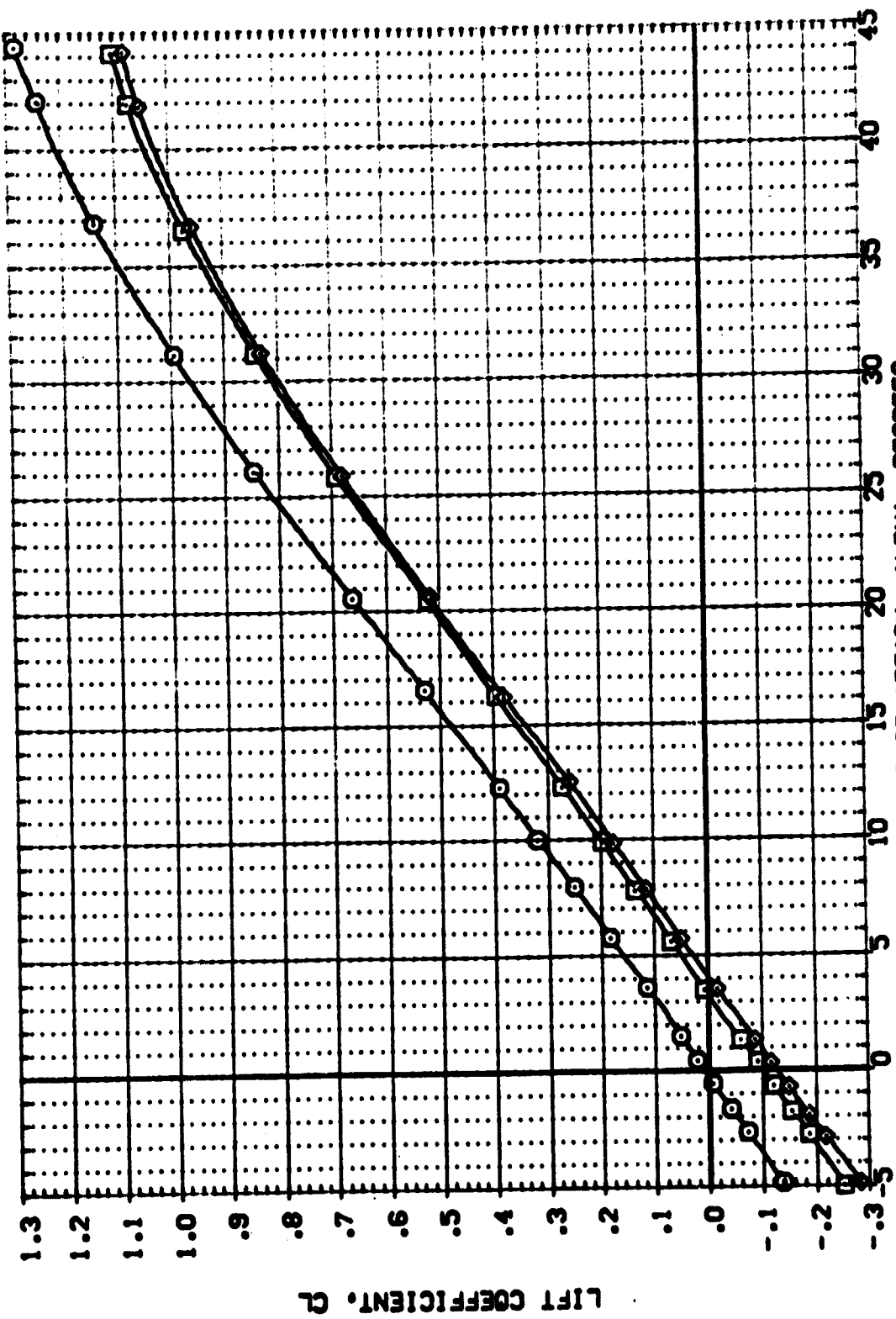
(MPCZ1)	DATA UNIT 1000 CONF4	BLSCZ22-3-4-5-6-7-10-12-13	REF	87.5000	50. IN.
(MPCZ2)	DATA UNIT 1000 CONF4	BLSCZ22-3-4-5-6-7-10-12-13	REF	7.1720	IN-OES
(MPCZ3)	DATA UNIT 1000 CONF4	BLSCZ22-3-4-5-6-7-10-12-13	REF	14.0500	IN-OES
			XREF	12.8640	IN-OES
			YREF	.0000	IN-OES
			ZREF	6.0000	IN-OES
			SCALE	.0100	SCALE



ELEVONS DEFLECTED -1398 CONFIG

(C)MACH = 4.60

DATA SET SYMB.	CONFIGURATION DESCRIPTION	ELEVTR	EDSLAP	SPORNK	RUDDER	REFERENCE INFORMATION
(INRZ7)	0A44 UPVT 1035 CONF4	11.000	13.750	54.820	.000	87.1580
(INRZ8)	0A44 UPVT 1035 CONF4	-24.000	-14.250	54.820	.000	7.1220
(INRZ9)	0A44 UPVT 1035 CONF4	-44.000	-14.250	54.820	.000	14.0502
						12.5772
						6.0000
						6.0000
						.0150
						SCALE



ANGLE OF ATTACK, ALPHA, DEGREES

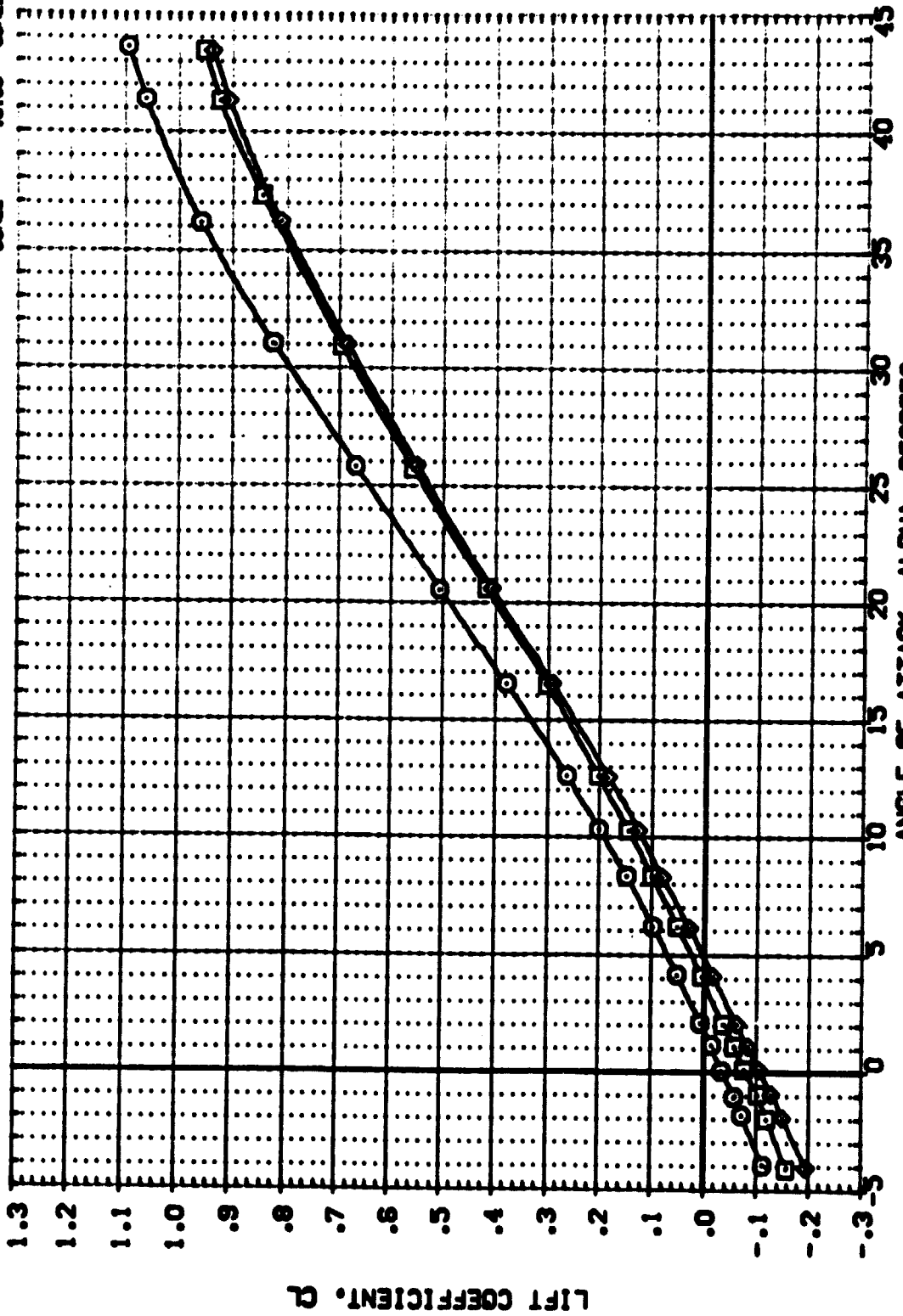
ELEVONS DEFLECTED -139B CONFIG WITH MODIFIED NOSE

(A)MACH = 2.50



DATA SET SYMBOL    CONFIGURATION DESCRIPTION    REFERENCE INFORMATION

(RPEZ7)	DATA UPT 1005 CONF4	REF	87.1580	90. IN.
(RPEZ8)	DATA UPT 1005 CONF4	LIFT	7.1220	INCHES
(RPEZ9)	DATA UPT 1005 CONF4	REF	14.0502	INCHES
		TRAP	12.5772	INCHES
		TRAP	6.0000	INCHES
		TRAP	6.0000	INCHES
		SCALE	.0150	SCALE



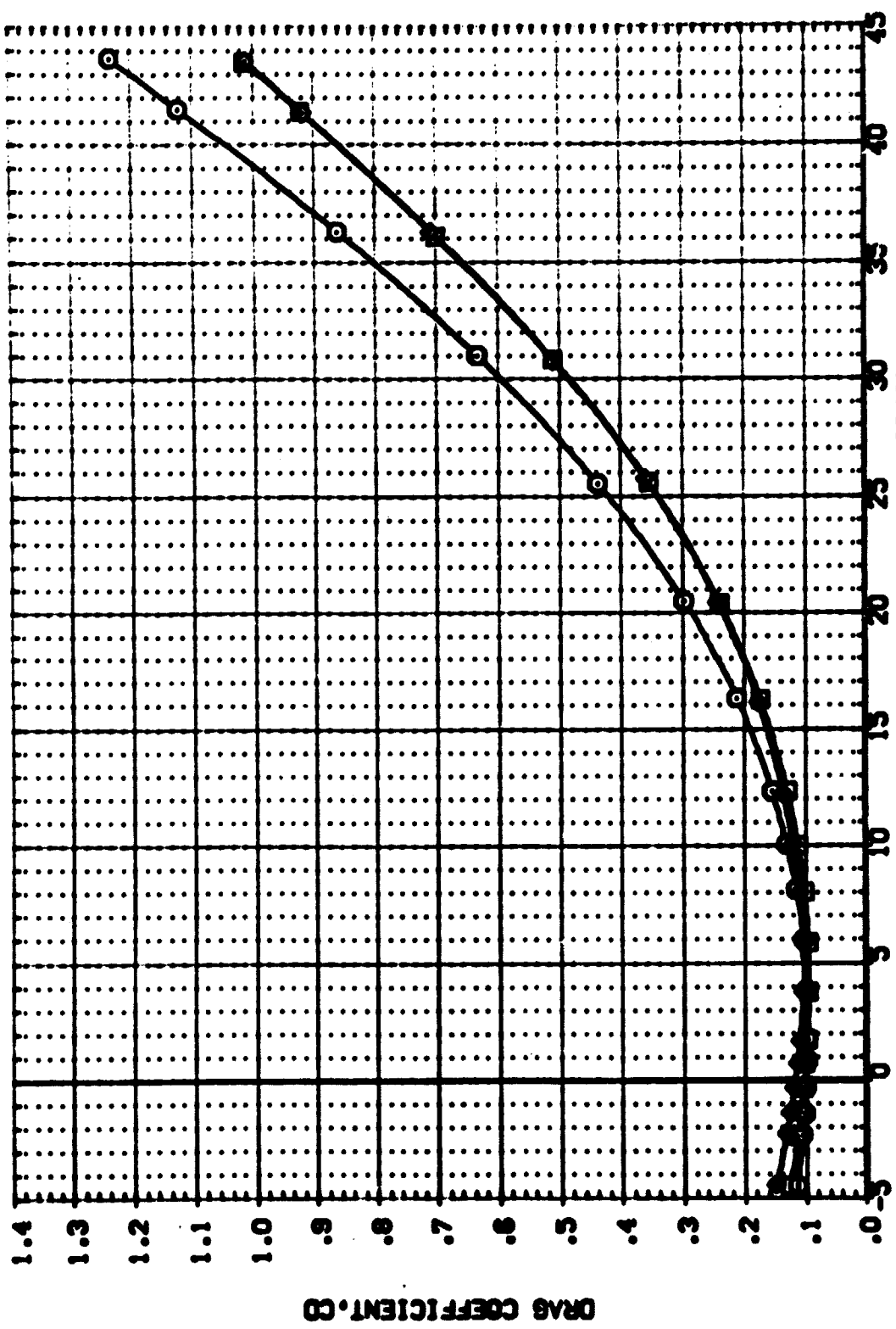
ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(C)MACH = 4.60





DATA SET SWELL	CONFIGURATION DESCRIPTION	ELEV	ED/LAP	SPORK	RUBER	REFERENCE INFORMATION
(SWELL)	0001 UPVT 1000 CONF 4	11.000	3.750	000	000	87.1500 50 IN
(SWELL)	0002 UPVT 1000 CONF 4	-21.000	-4.250	000	000	7.1200 INOES
(SWELL)	0003 UPVT 1000 CONF 4	-44.000	-4.250	000	000	14.0500 INOES
						12.5772 INOES
						0.0000 INOES
						0.0150 SCALE



ANGLE OF ATTACK, ALPHA, DEGREES

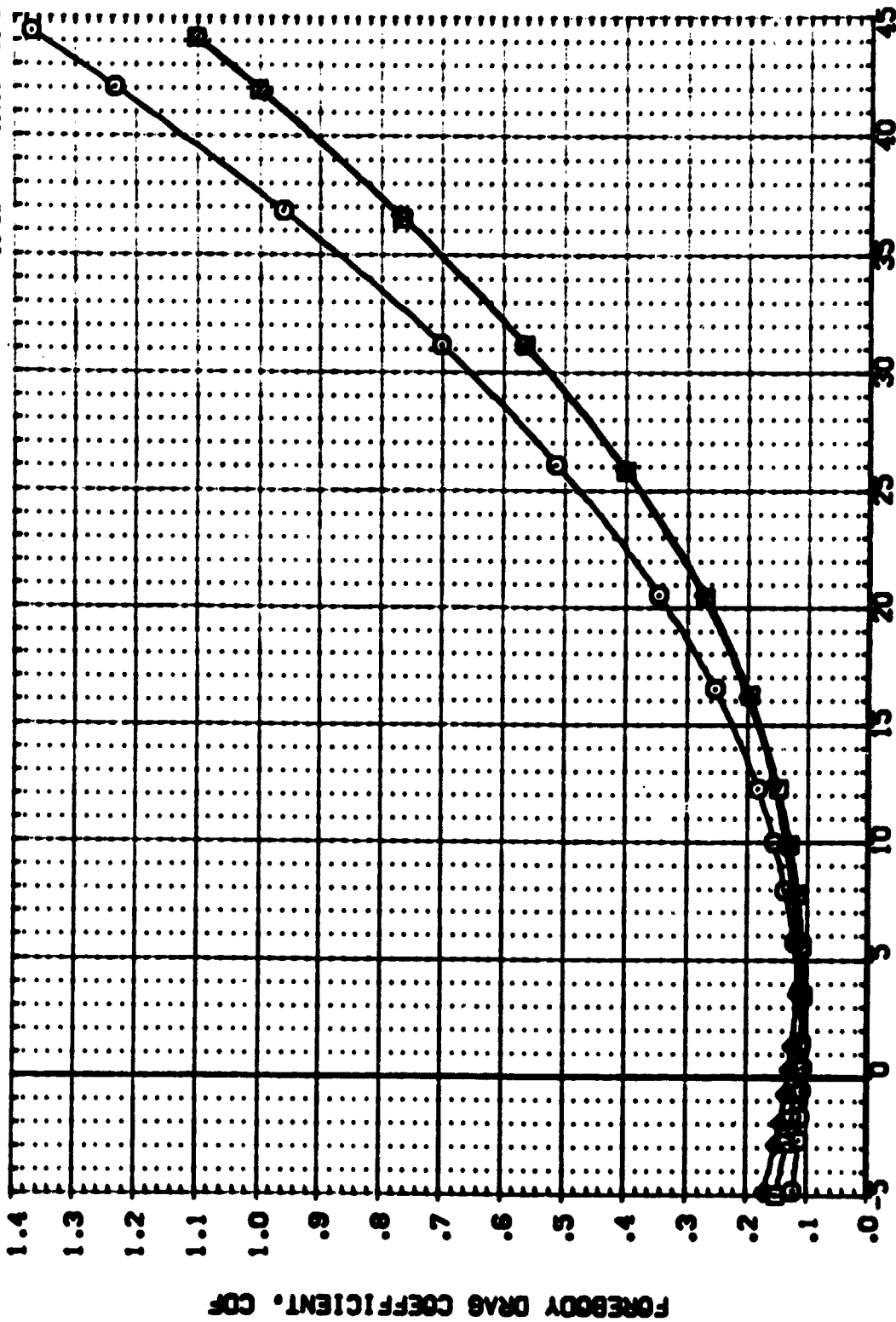
ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(B)MACH = 3.90



DATA SET OVER. CONFIGURATION DESCRIPTION REFERENCE INFORMATION

(INDEX) 1	DATA UNIT 1000	CONF 4	REFLECTOR	07.1300	30 IN.
(INDEX) 2	DATA UNIT 1000	CONF 4	SPIN	7.1200	NOSES
(INDEX) 3	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 4	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 5	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 6	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 7	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 8	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 9	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 10	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 11	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 12	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 13	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 14	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 15	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 16	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 17	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 18	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 19	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 20	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 21	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 22	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 23	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 24	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 25	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 26	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 27	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 28	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 29	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 30	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 31	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 32	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 33	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 34	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 35	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 36	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 37	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 38	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 39	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 40	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 41	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 42	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 43	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 44	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 45	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 46	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 47	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 48	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES
(INDEX) 49	DATA UNIT 1000	CONF 4	ELEV	12.0000	NOSES
(INDEX) 50	DATA UNIT 1000	CONF 4	SPIN	12.0000	NOSES



ANGLE OF ATTACK, ALPHA, DEGREES

ELECONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

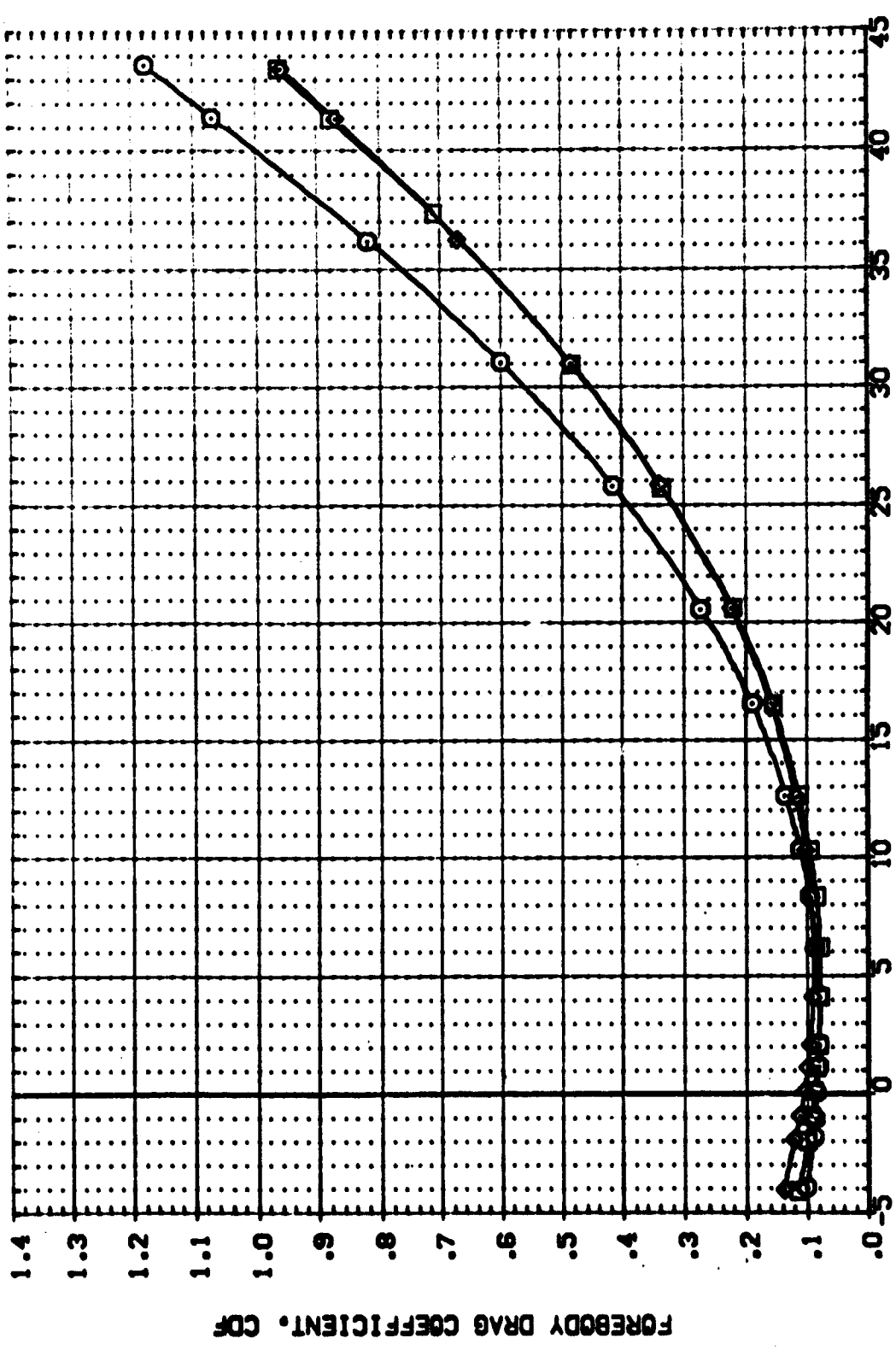
(M)MACH = 2.50



DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (MNSZ7) 044 UPVT 1005 CONF4 B21C7E23-S-MRSV/107X18  
 (MNSZ8) 044 UPVT 1005 CONF4 B21C7E23-S-MRSV/107X18  
 (MNSZ9) 044 UPVT 1005 CONF4 B21C7E23-S-MRSV/107X18

ELEVTR BD/LAP SPDRK RUDDER  
 11.000 13.750 54.500 .000  
 -24.000 -14.250 54.500 .000  
 -44.000 -14.250 54.500 .000

REFERENCE INFORMATION  
 SREF 87.1560 50. IN.  
 LREF 7.1270 INCHES  
 BREF 14.0502 INCHES  
 XTRP 12.5772 INCHES  
 YTRP .0000 INCHES  
 ZTRP 6.0000 INCHES  
 SCALE .0150 SCALE



ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(C)MACH = 4.60

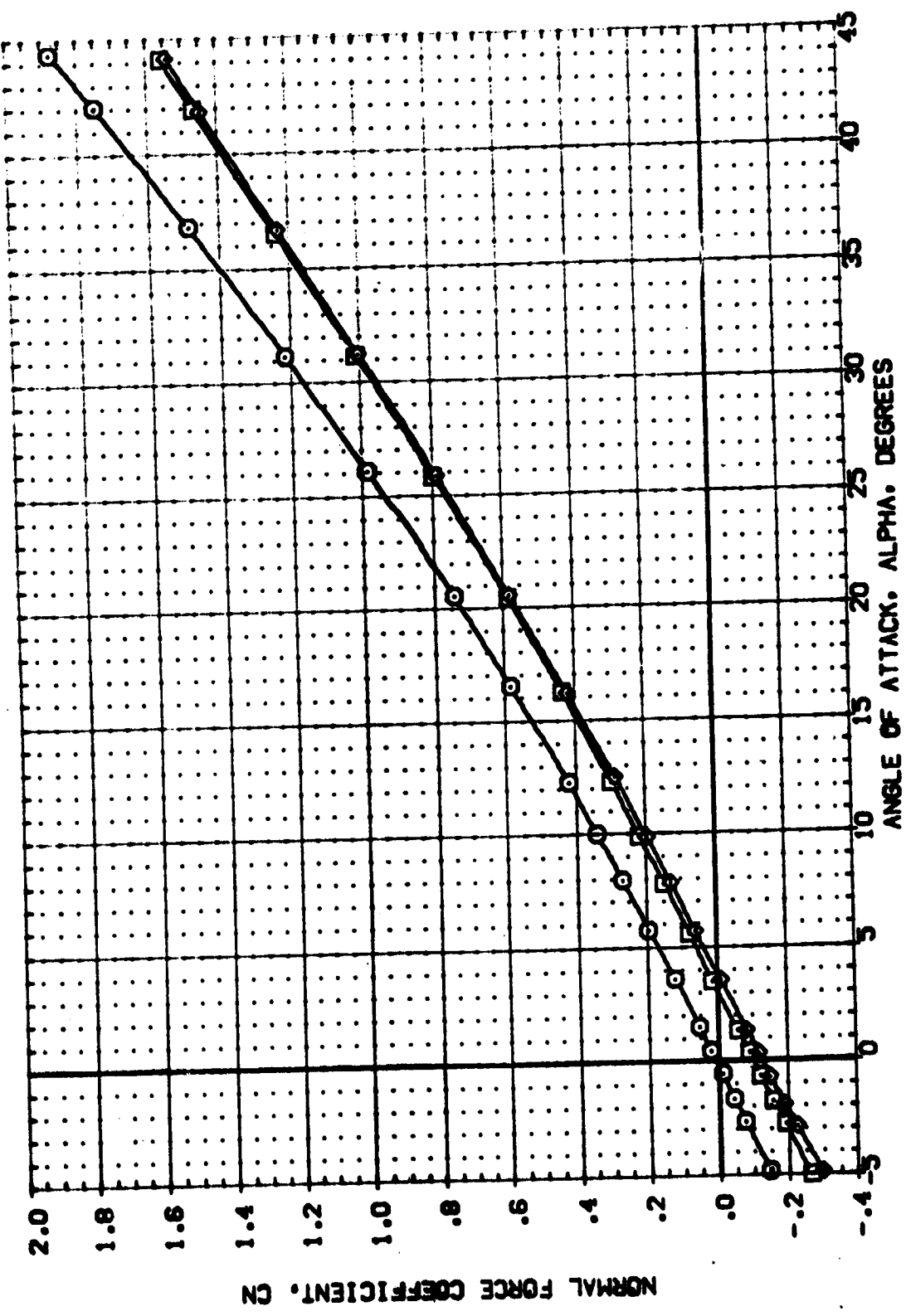
DATA SET SHEET  
 (REV 27) 0444 UPVT 1000 CONF 4  
 (REV 28) 0444 UPVT 1000 CONF 4  
 (REV 29) 0444 UPVT 1000 CONF 4

CONFIGURATION DESCRIPTION  
 0444 UPVT 1000 CONF 4  
 0444 UPVT 1000 CONF 4  
 0444 UPVT 1000 CONF 4

ELEVTR 80/LAP 5/SPORK  
 11.000 13.750 54.000  
 -14.000 -14.250 54.000  
 -44.000 -14.250 54.000

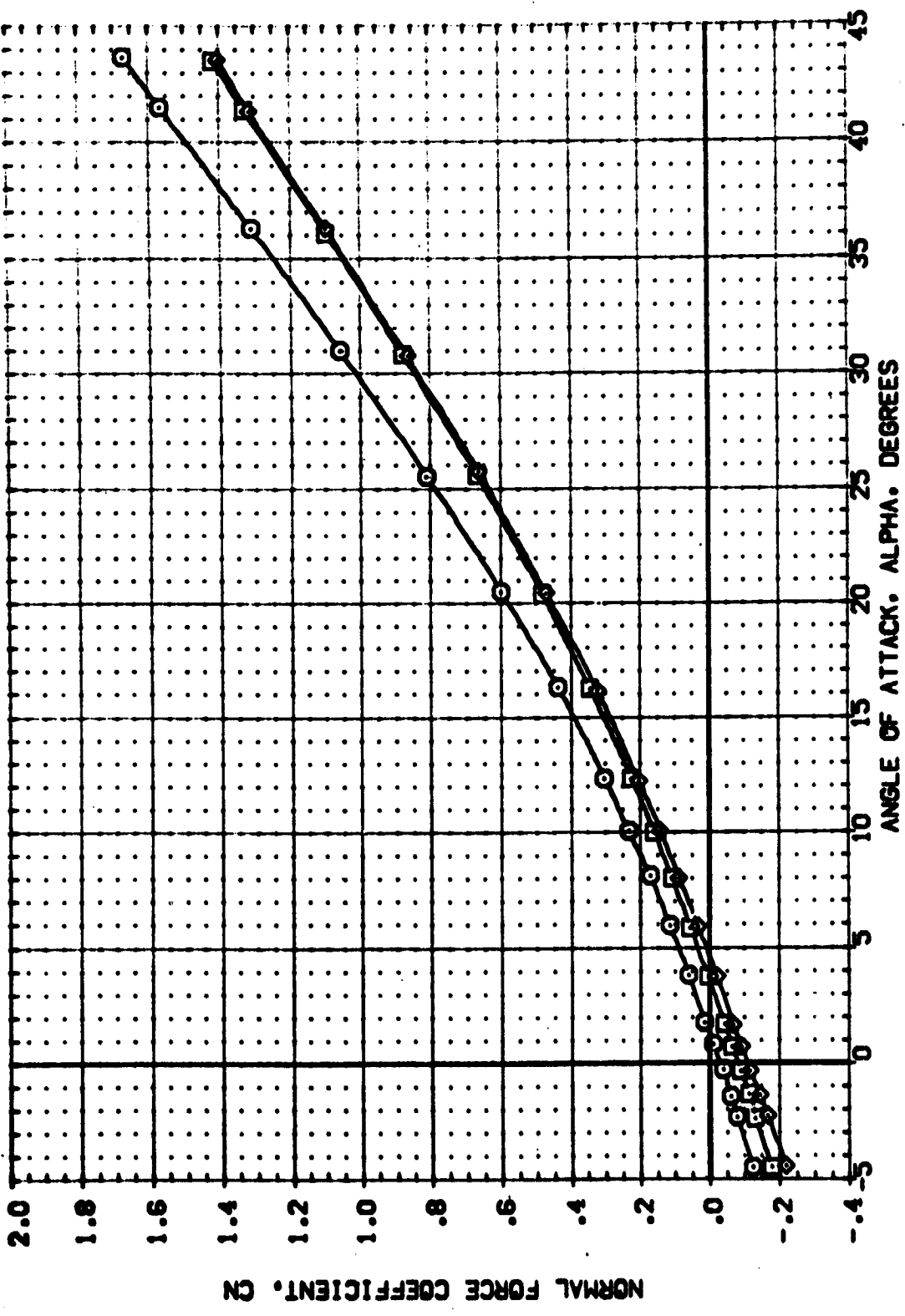
RUDDER  
 .000  
 .000  
 .000

REFERENCE INFORMATION  
 SD IN: 87.1560  
 INO-ES: 7.1220  
 INO-ES: 14.0502  
 INO-ES: 12.5772  
 INO-ES: .0000  
 INO-ES: .0000  
 INO-ES: .0150  
 SCALE



ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE  
 (A)MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	EDFLAP	SPDRBK	RUDDER	REFERENCE INFORMATION
{MPN27}	044 UPT 1005 CONF1	11.000	13.750	54.820	.000	87.1500
{MPN28}	044 UPT 1005 CONF2	-24.000	-14.250	54.820	.000	7.1220
{MPN29}	044 UPT 1005 CONF3	-41.000	-14.250	54.820	.000	14.0500
						12.5772
						0.0000
						0.0000
						0.0150
						SCALE



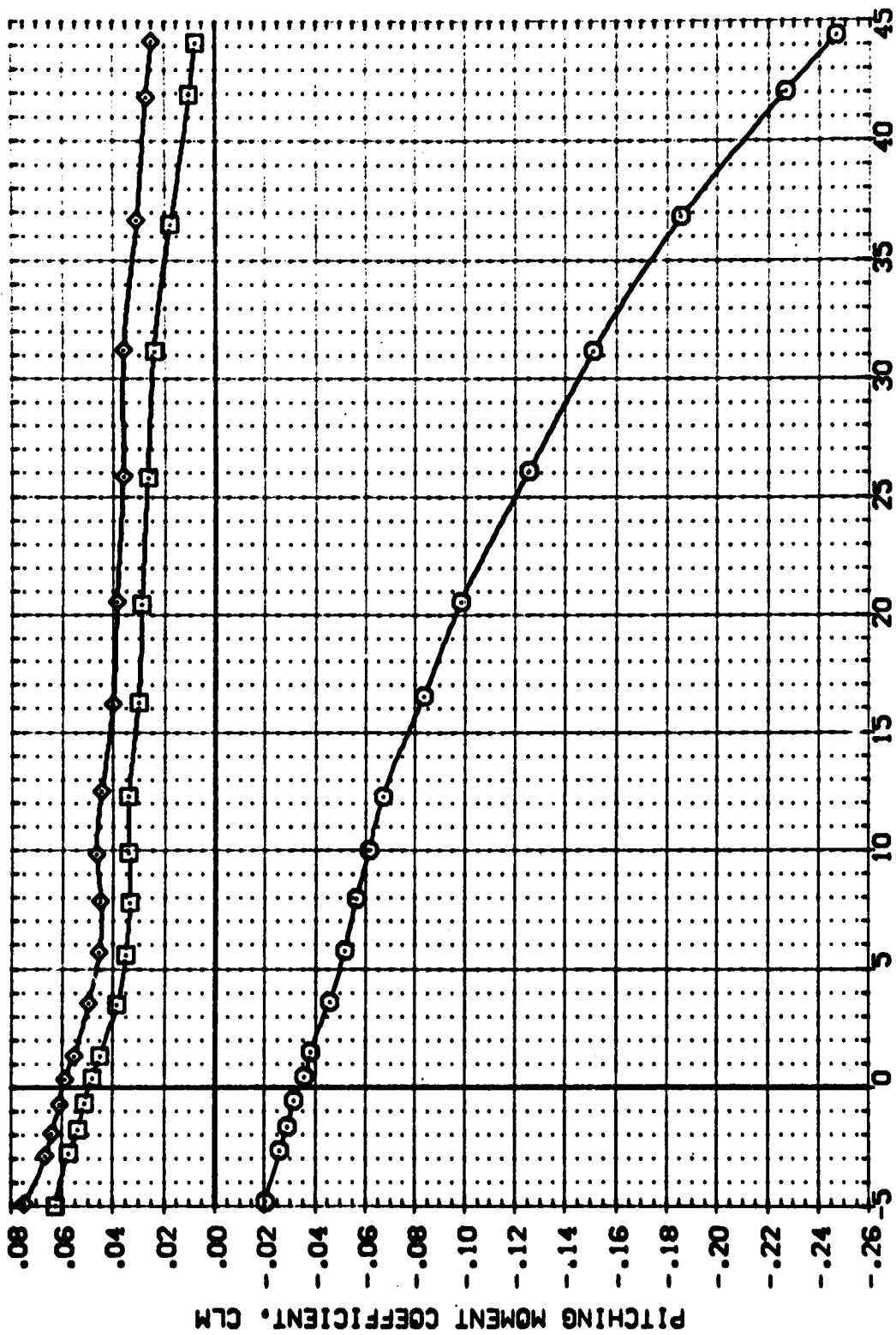
ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(B)MACH = 3.90





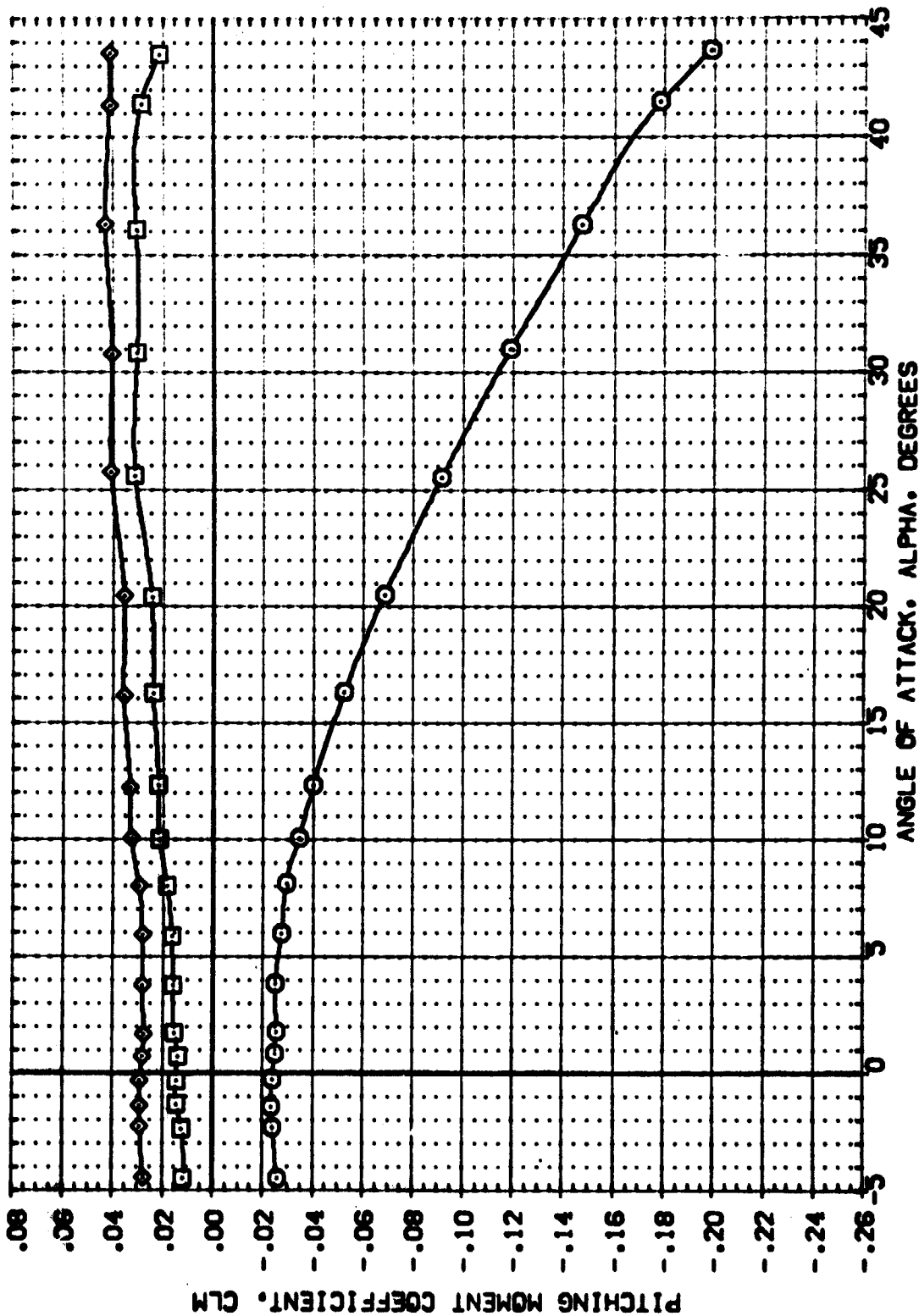
DATA SET SYMBO.	CONFIGURATION DESCRIPTION	ELEVTR	STFLAP	SPODRK	FLUDDR	REFERENCE INFORMATION
(RNEZ7)	8444 UPVT 1035 CONF4	11.000	13.750	54.520	.000	SREF 87.1550
(RNEZ8)	8444 UPVT 1035 CONF4	-24.000	-14.250	54.520	.000	LREF 7.1220
(RNEZ9)	8444 UPVT 1035 CONF4	-44.000	-14.250	54.520	.000	BREF 14.0502
						XMRP 12.5772
						YMRP .0000
						ZMRP .0000
						SCALE .0150



ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(MACH = 2.50)

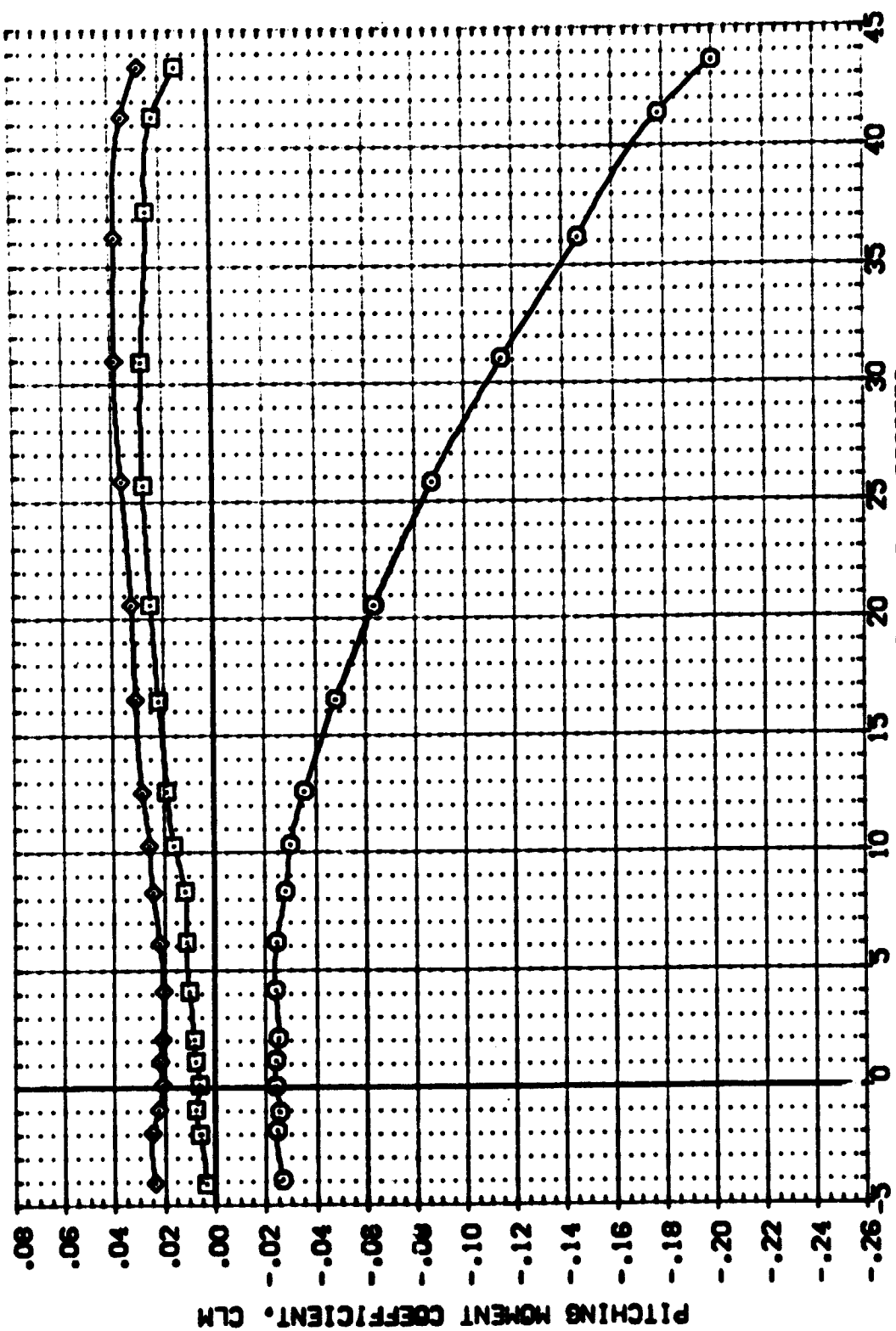
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(MPCZ7)	0444 UPVT 1000 CONF1	11.000	13.750	54.920	.000	SREF 87.1560
(MPCZ8)	0444 UPVT 1000 CONF2	-11.000	-13.750	54.920	.000	LREF 7.1270
	0444 UPVT 1000 CONF3	-41.000	-14.250	54.920	.000	BREF 14.6502
	0444 UPVT 1000 CONF4					XTRP 12.5772
						YTRP 6.0000
						ZTRP 6.0000
						SCALE .0150



ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(B)MACH = 3.90

DATA SET SYMBO	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(MPEZ7)	821C7EZF3SHASVNI07X16	11.000	13.750	54.520	.000	SREF 87.1550
(MPEZ8)	821C7EZF3SHASVNI07X16	-24.000	-14.250	54.520	.000	LREF 7.1220
(MPEZ9)	821C7EZF3SHASVNI07X16	-44.000	-14.250	54.520	.000	BREF 14.0502
						YWRP 12.5772
						ZWRP 6.0000
						INOEES .0150
						SCALE



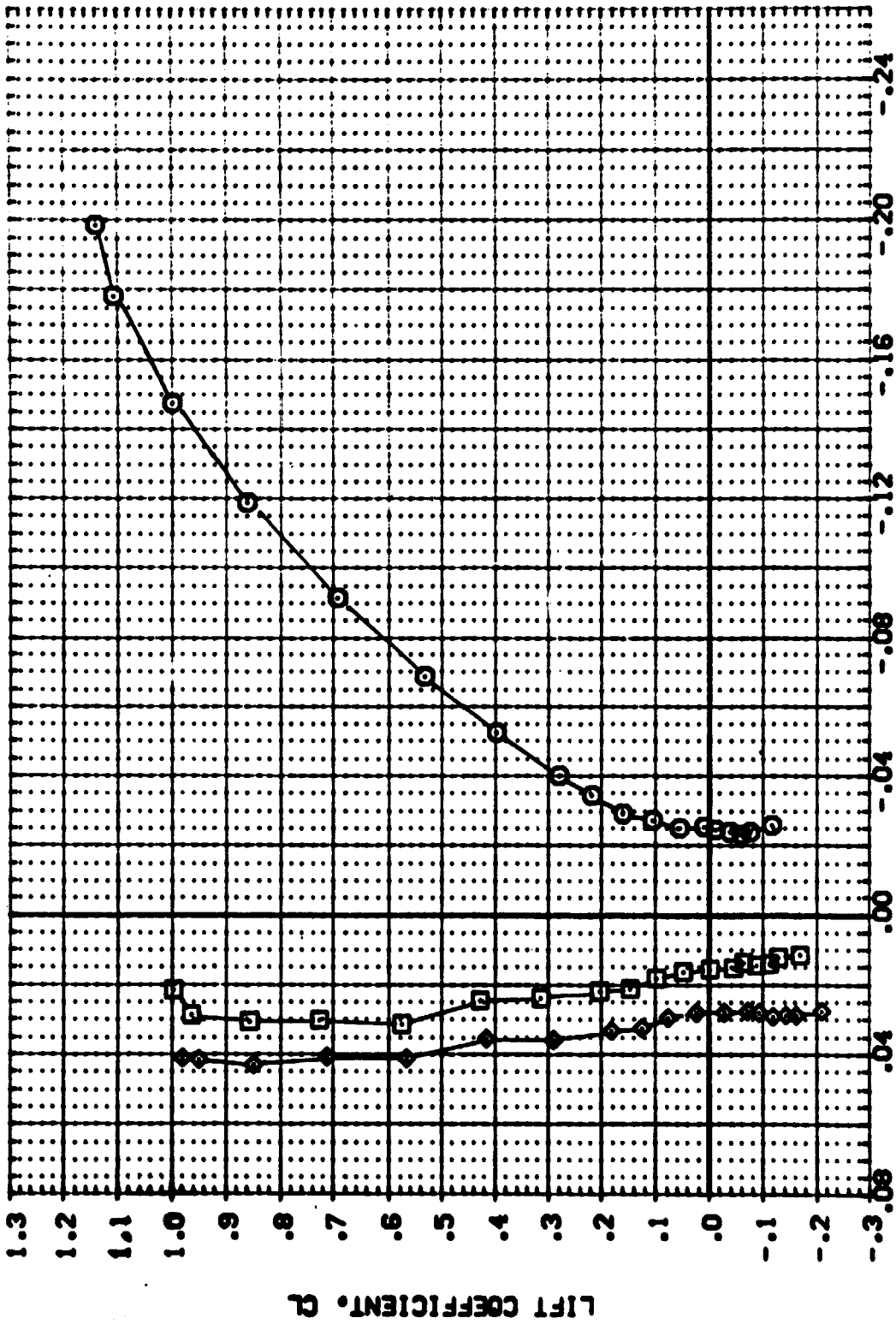
ANGLE OF ATTACK, ALPHA, DEGREES

ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(C)MACH = 4.60



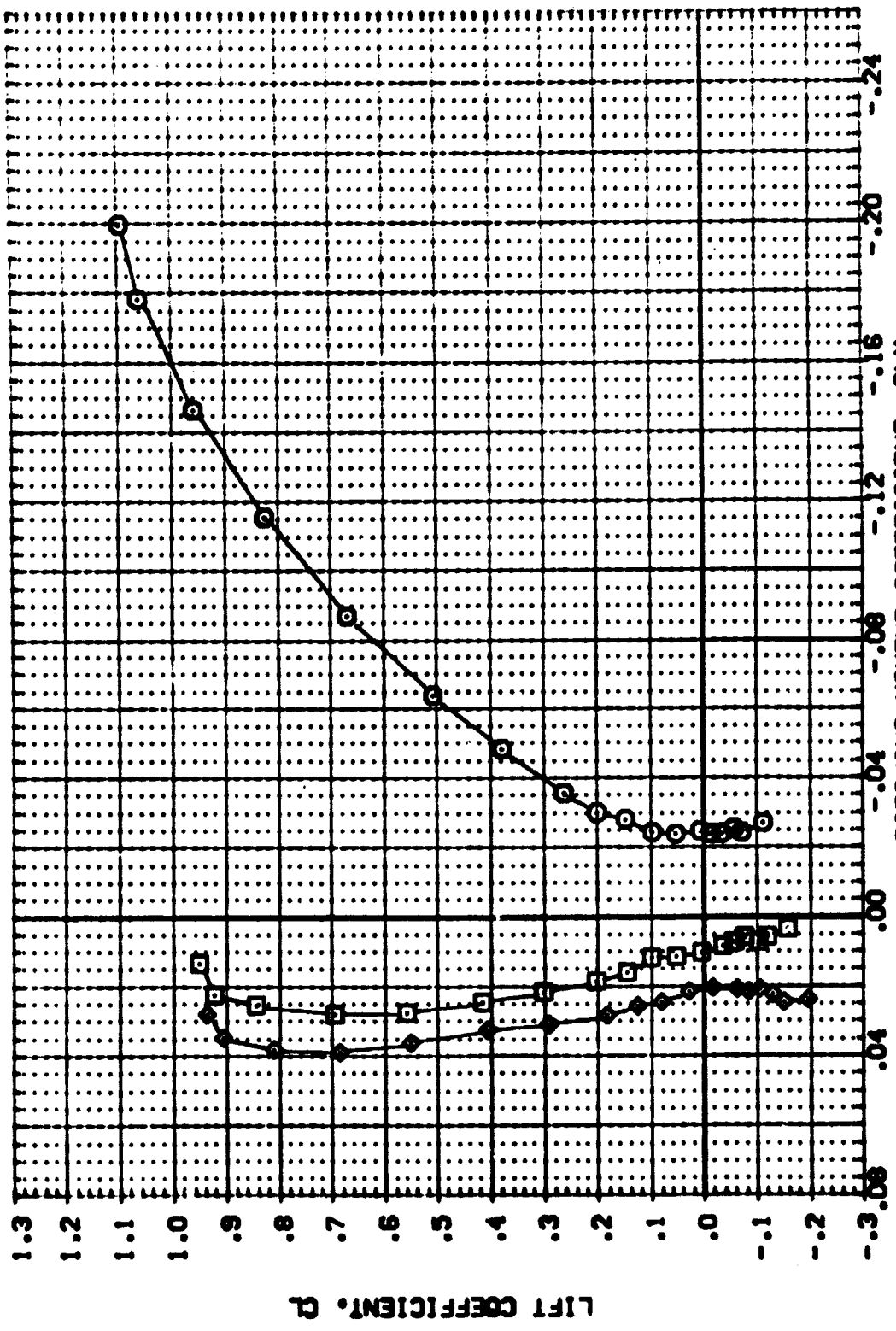
DATA SET SYMBL.	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPDRBK	RUDDER	REFERENCE INFORMATION
{MPN27}	044 UPVT 1035 05F4	11.000	13.750	34.500	.000	87.1500
{MPN28}	044 UPVT 1035 05F4	-41.000	-14.250	34.500	.000	7.1220
{MPN29}	044 UPVT 1035 05F4	-41.000	-14.250	34.500	.000	14.0502
						12.5772
						6.0000
						.0150
						SCALE



ELEVONS DEFLECTED 1399 CONFIG WITH MODIFIED NOSE

(B)MACH = 3.90

DATA SET SHEET	CONF IDENTIFICATION	BLVTR	EDLAP	SPCRNK	FLDSR	REFERENCE INFORMATION
(RNGZ7)	DATA UNIT 1005 CONF 4	11.000	13.750	54.820	.000	87.1500
(RNGZ8)	DATA UNIT 1005 CONF 4	-24.000	-14.250	54.820	.000	7.1250
(RNGZ9)	DATA UNIT 1005 CONF 4	-44.000	-14.250	54.820	.000	14.0502
						12.5772
						0.0000
						6.0000
						.0150
						SCALE



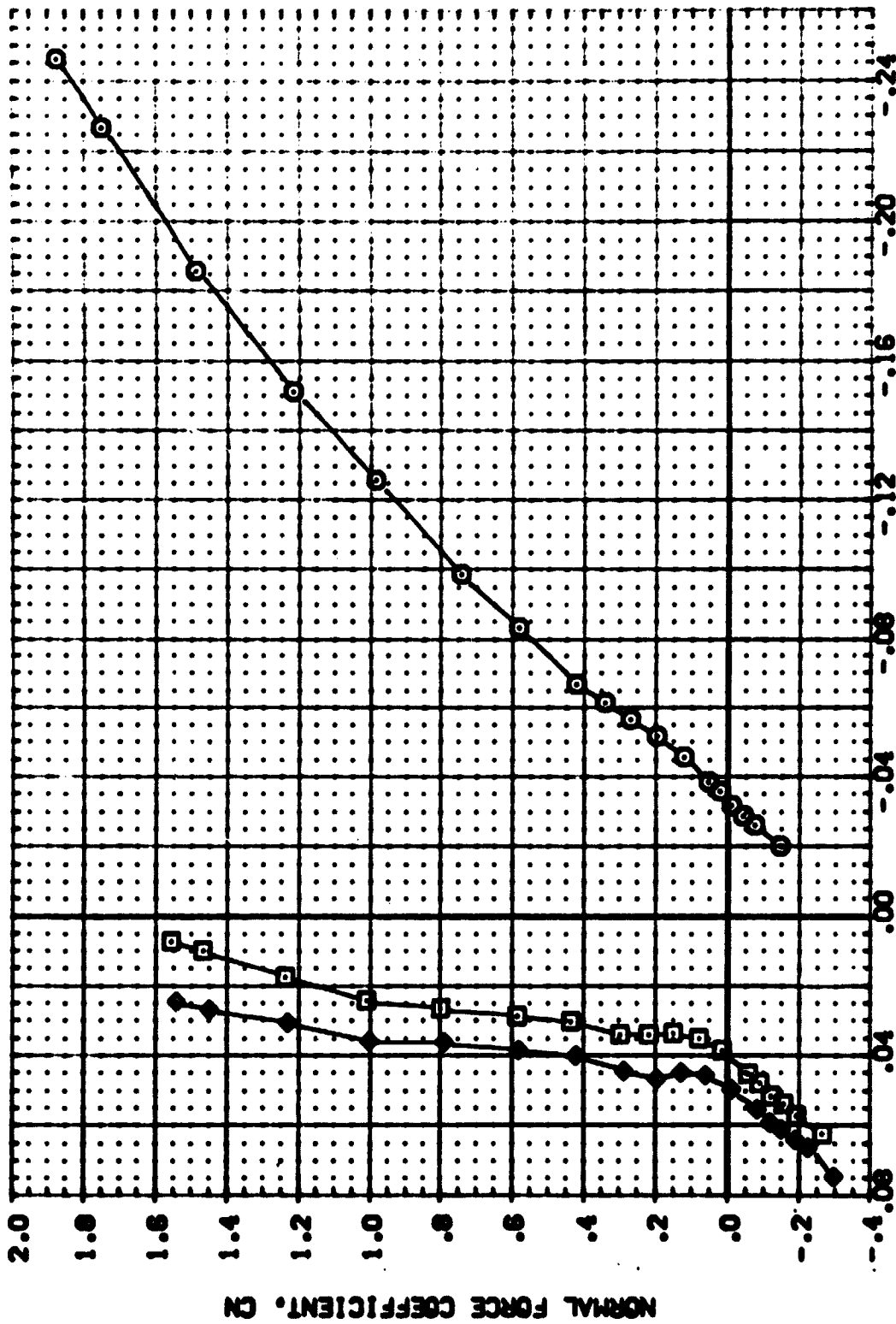
PITCHING MOMENT COEFFICIENT, CLM

ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(C)MACH = 4.60

DATA SET 0000. CONFIGURATION DESCRIPTION REFERENCE INFORMATION

[SPRZ7]	0001	UPVT	1000	CONF4	021C7E22F3HWS/V107X16	ELEVTR	00.000	RUDDER	00.000	SPRZ	07.1500	90 IN.
[SPRZ7]	0002	UPVT	1000	CONF4	021C7E22F3HWS/V107X16	ELEVTR	13.750	RUDDER	00.000	SPRZ	7.1220	IN-OES
[SPRZ7]	0003	UPVT	1000	CONF4	021C7E22F3HWS/V107X16	ELEVTR	-21.000	RUDDER	00.000	SPRZ	14.0500	IN-OES
[SPRZ7]	0004	UPVT	1000	CONF4	021C7E22F3HWS/V107X16	ELEVTR	-41.000	RUDDER	00.000	SPRZ	12.5772	IN-OES
										YPRP	0.0000	IN-OES
										ZPRP	0.0000	IN-OES
										SCALE	0.0150	SCALE



PITCHING MOMENT COEFFICIENT, CLM  
 ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(A)MACH = 2.50

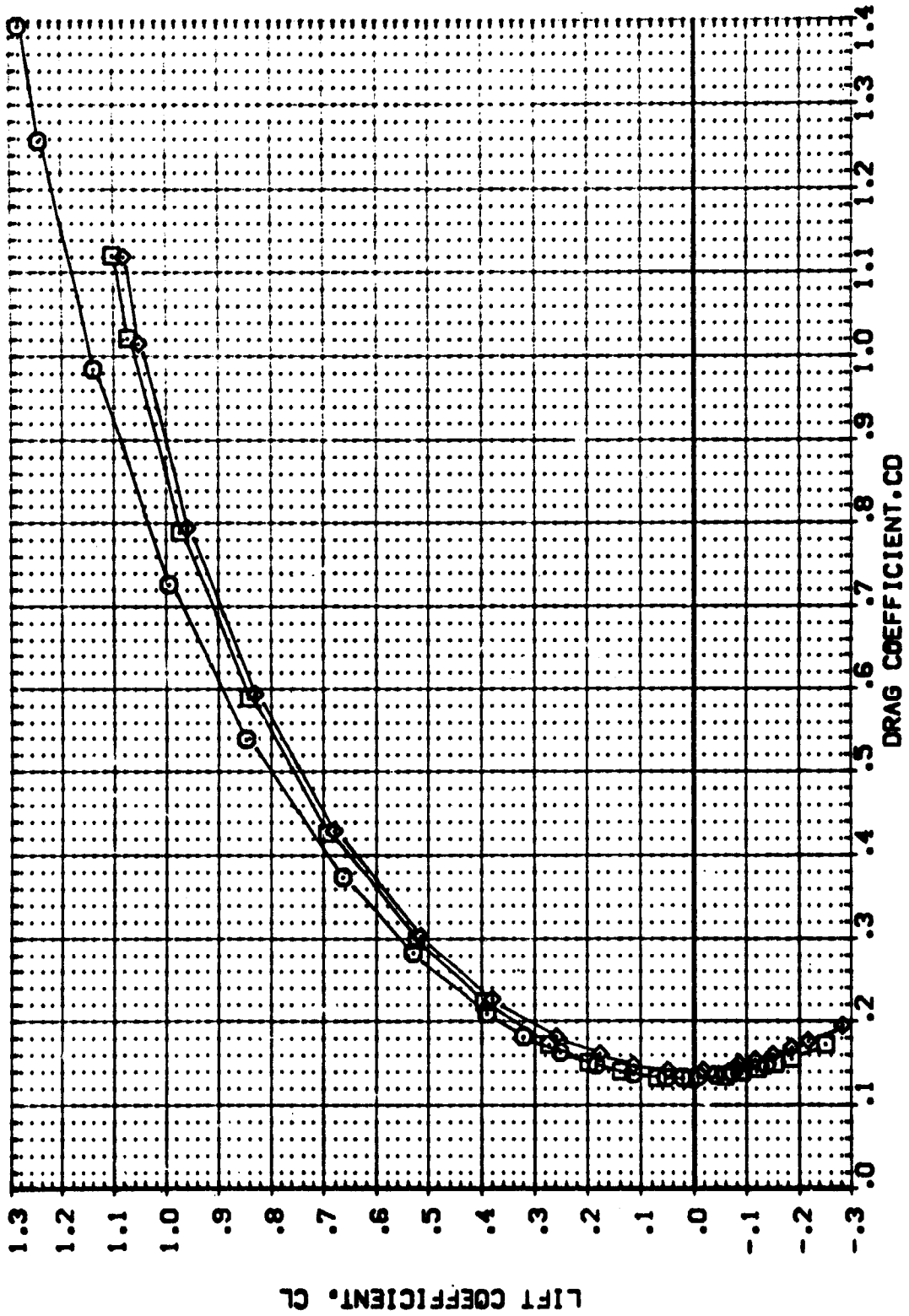






DATA SET SHEET. CONFIGURATION DESCRIPTION

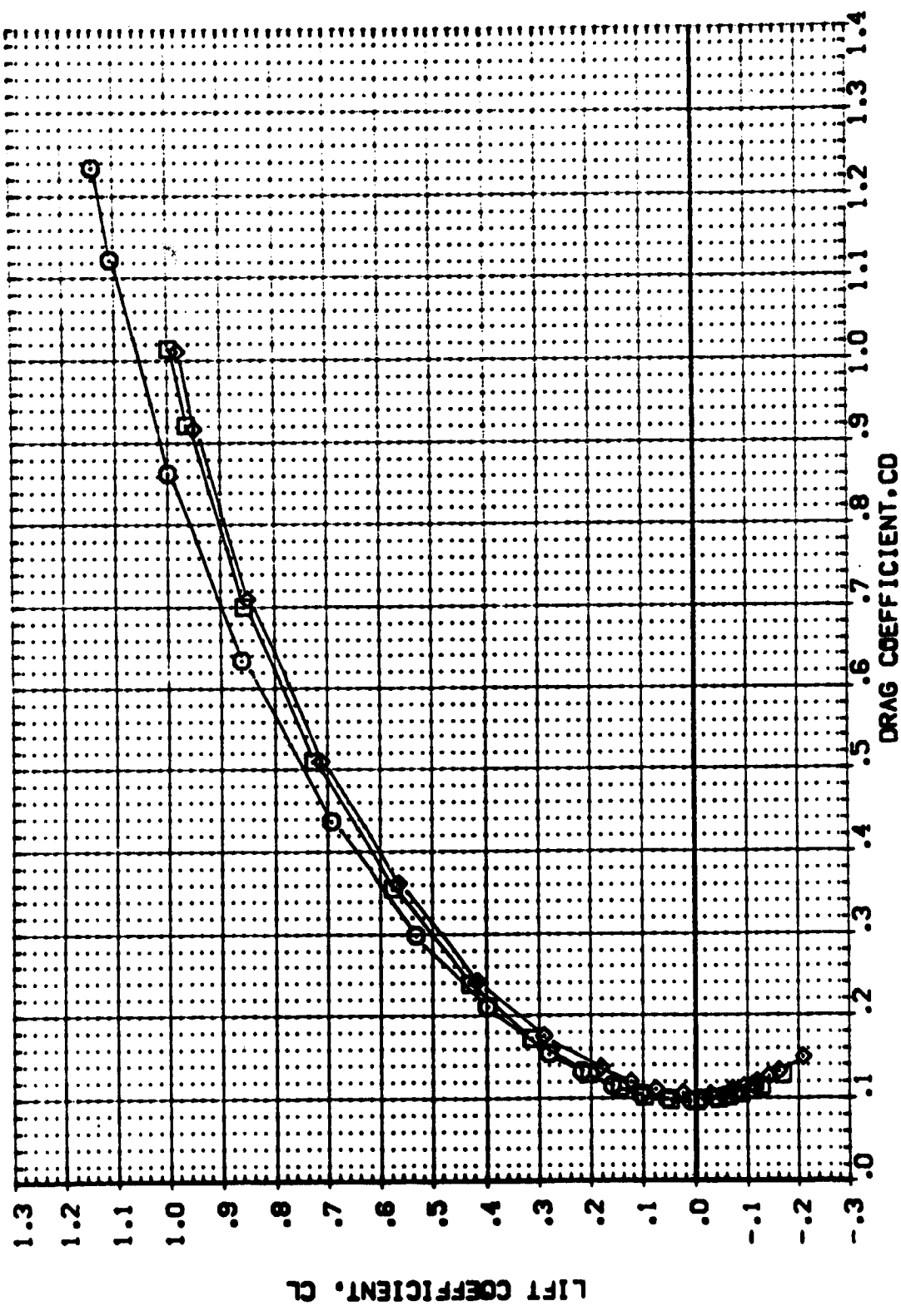
[RPMZ77]	DATA UNIT 1088	CONF 4	BZ1C7223-SHMSV7107X18	QLEVTX	EDFLAP	SPDRSK	FLUDGR	REFERENCE INFORMATION
[RPMZ78]	DATA UNIT 1088	CONF 4	BZ1C7223-SHMSV7107X18	11.000	13.700	54.500	.000	SHEET 07.1550
[RPMZ79]	DATA UNIT 1088	CONF 4	BZ1C7223-SHMSV7107X18	-24.000	-4.000	54.500	.000	LINEF 7.1270
				-44.000	-4.000	54.500		XREF 14.0500
								YREF 12.5770
								ZREF 0.0000
								SCALE 0.0150



ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(M)MACH = 2.50

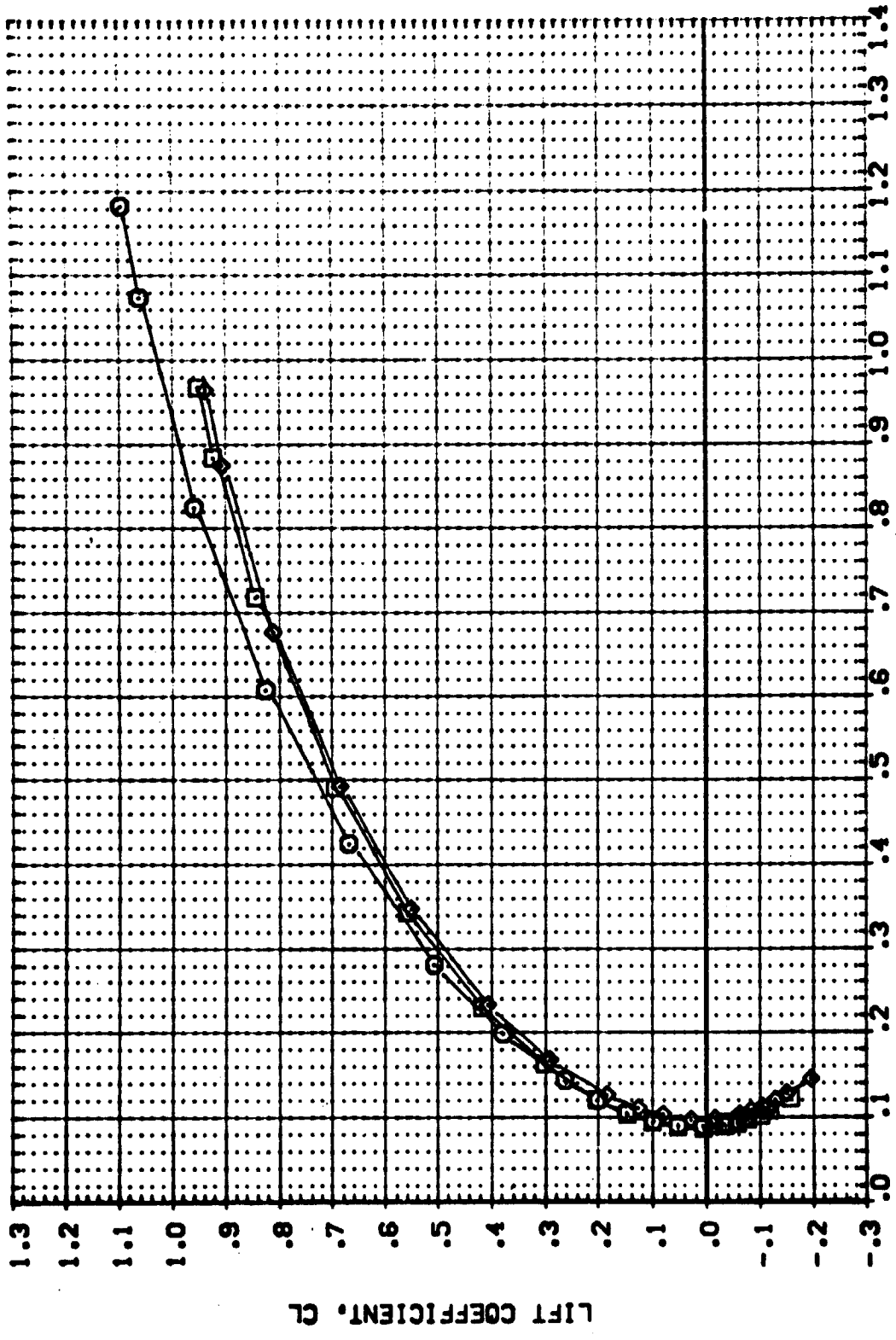
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BOFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RPNZ7)	0A44 UPVT 1035 CONF4	11.000	19.750	54.520	.000	SREF 87.1560 50.1150
(RPNZ8)	0A44 UPVT 1035 CONF4	-24.000	-14.250	54.520	.000	LREF 7.1220 1.0000
(RPNZ9)	0A44 UPVT 1035 CONF4	-44.000	-14.250	54.520	.000	BREF 14.0502 1.0000
						XTRP 12.5772 1.0000
						ZTRP 6.0000 1.0000
						SCALE .0150



ELEVONS DEFLECTED -139B CONFIG WITH MODIFIED NOSE

(B)MACH = 3.90

DATA SET SYMBL	CONFIGURATION DESCRIPTION	ELEVTR	EDFLAP	SPODBK	RUDDER	REFERENCE INFORMATION
[RNCZ7]	DATA LPT 1000 CONF 4	11.000	12.750	54.920	.000	87.1560
[RNCZ8]	DATA LPT 1000 CONF 4	-21.000	-14.250	54.920	.000	7.1220
		-41.000	-14.250	54.920	.000	14.0500
						12.5772
						6.0000
						6.0000
						.0190
						SCALE



DRAG COEFFICIENT, CD

ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(C)MACH = 4.60



DATA SET SYMBOL: (RNP27) (RNP28) (RNP26)

CONFIGURATION DESCRIPTION: 0A44 UPVT 1035 CONF4 021C7E23F3MURS/N107X18 0A44 UPVT 1035 CONF4 021C7E23F3MURS/N107X18 0A44 UPVT 1035 CONF4 021C7E23F3MURS/N107X18

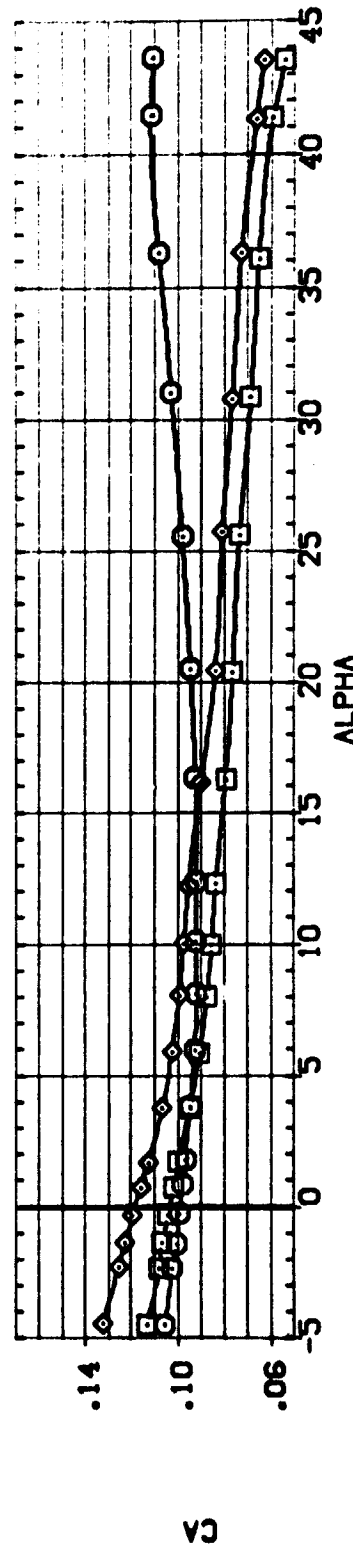
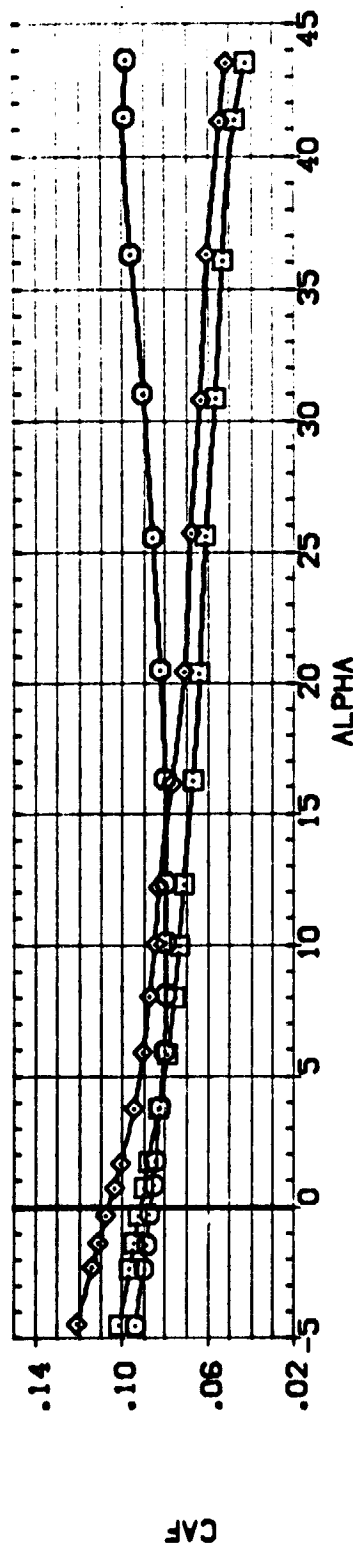
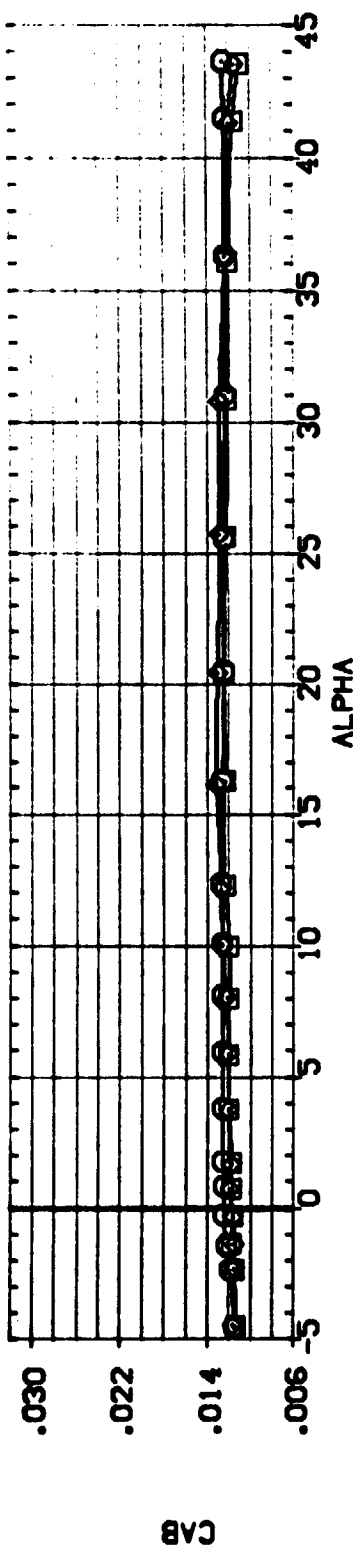
REFERENCE INFORMATION: SREF 87.1560 50 IN. LREF 7.1270 INCHES XREF 14.0502 INCHES YREF 12.5772 INCHES ZREF 6.0000 INCHES SCALE .0150

RODDER: .000

SPODBK: 54.920

80FLAP: 13.750 54.920

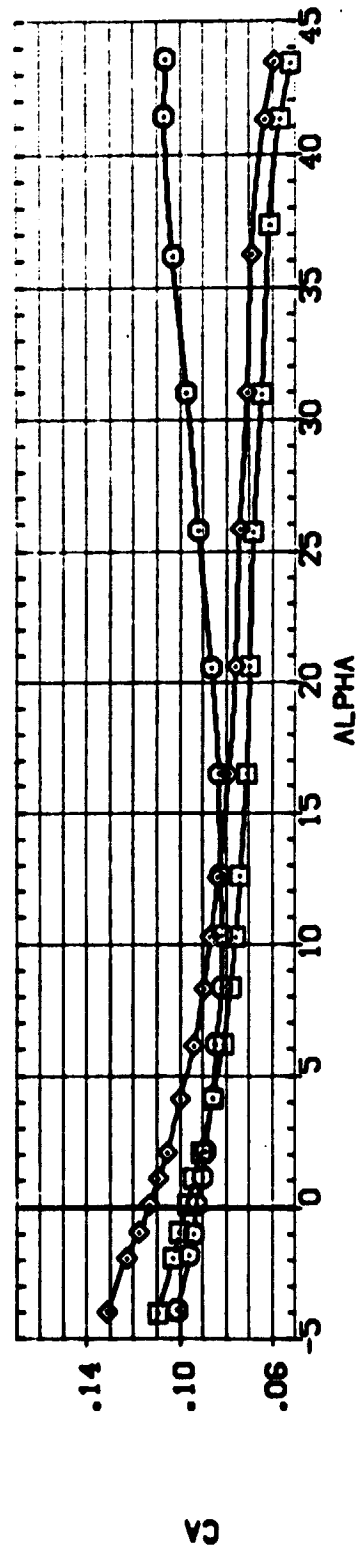
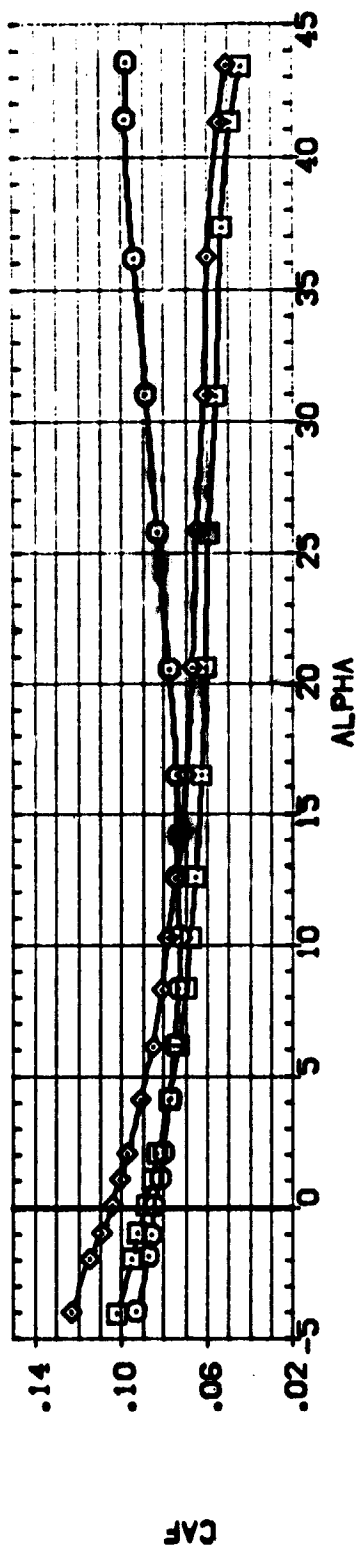
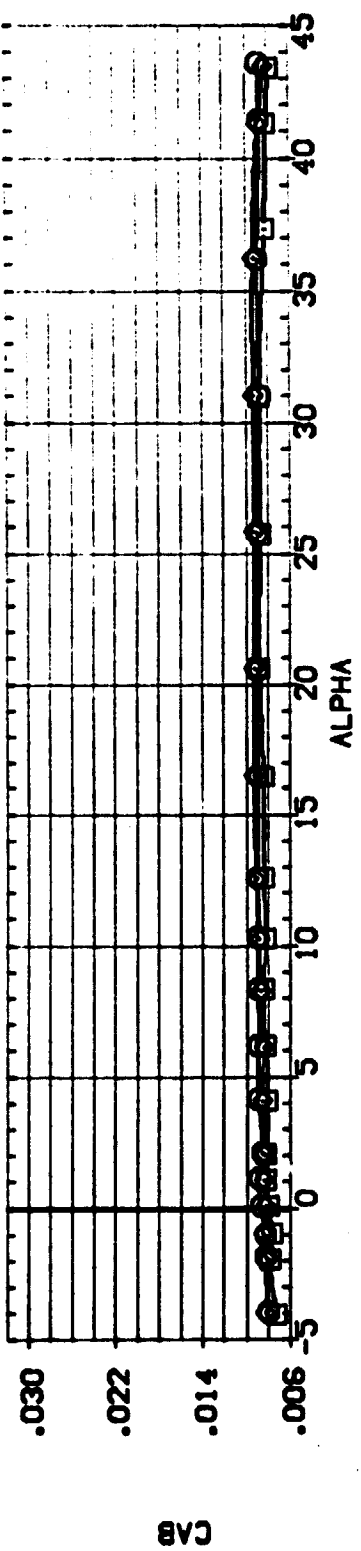
ELEVTR: 11.000 -24.000 -44.000



ELEVONS DEFLECTED -139B CONFIG WITH MODIFIED NOSE

(B)MACH = 3.90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDLAP	SPDRBK	RUDDER	REFERENCE INFORMATION
(RNP27)	BA44 UPVT 10SS CONF4	11.000	13.750	54.520	.000	SREF 87.1560
(RNP28)	BA44 UPVT 10SS CONF4	-24.000	-14.250	54.520	.000	LREF 7.1270
(RNP26)	BA44 UPVT 10SS CONF4	-44.000	-14.250	54.520	.000	BREF 14.6502
						XPRP 12.5772
						YPRP 6.0000
						ZPRP 6.0000
						SCALE .0150



ELEVONS DEFLECTED -139B CONFIG WITH MODIFIED NOSE

(C)MACH = 4.60

DATA SET SYMBOL: (RNP27) (RNP28) (RNP28)

CONFIGURATION DESCRIPTION: DA4 UPVT 1035 CDA4 DA14 UPVT 1035 CDA4 DA4 UPVT 1035 CDA4

ELEVTR: 11.000 -24.000 -44.000

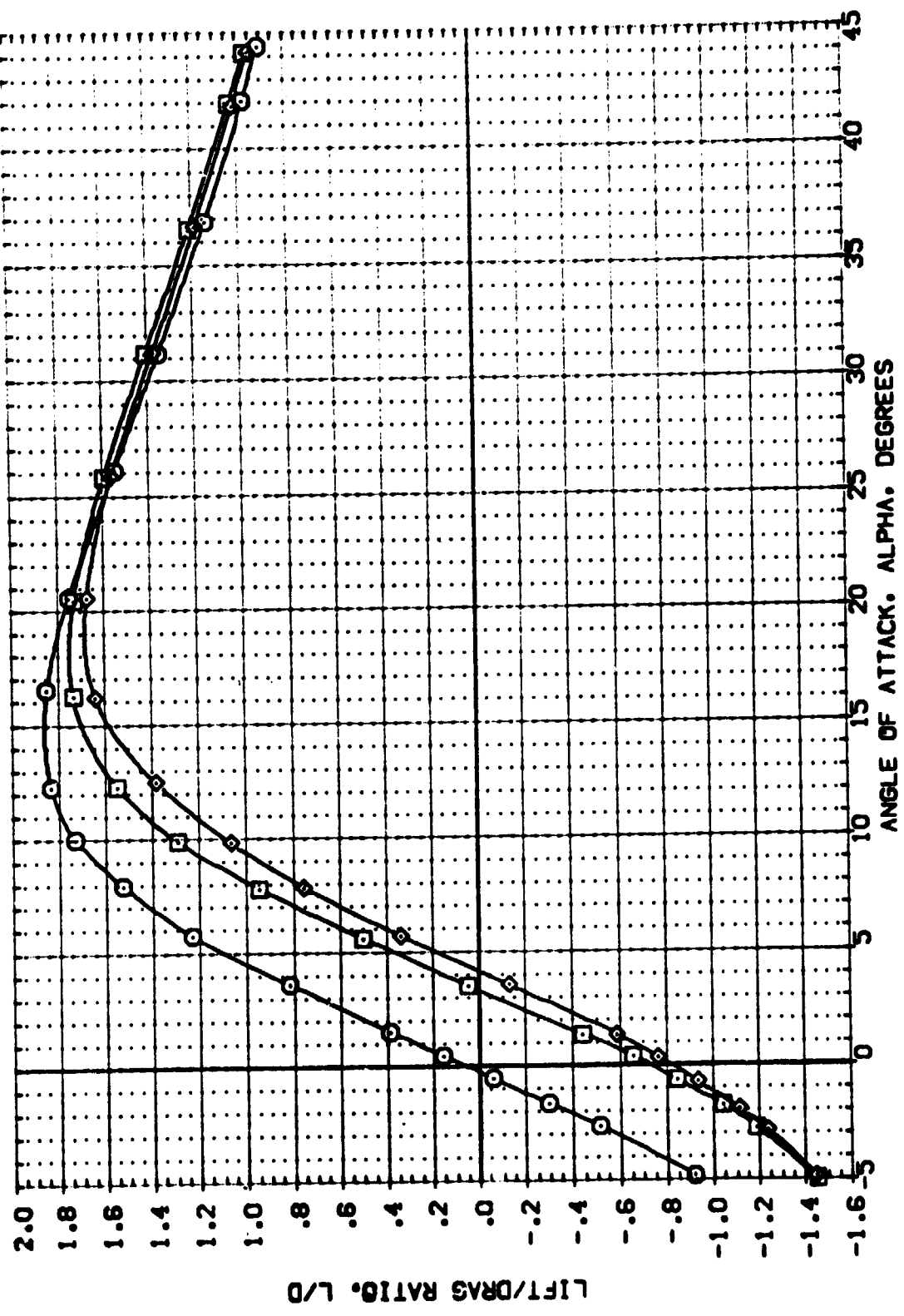
WDLAP: 12.750 -14.250 -14.250

SPOBRK: 54.920 54.920 54.920

RUDDER: .000 .000 .000

REFERENCE INFORMATION: SREF 67.1560 LREF 7.1220 BREF 14.0502 XREF 12.5772 YREF .0000 ZREF 6.0000 SCALE .0150

SO IN: 7.1220 INCHES 14.0502 INCHES 12.5772 INCHES 6.0000 INCHES .0150 SCALE

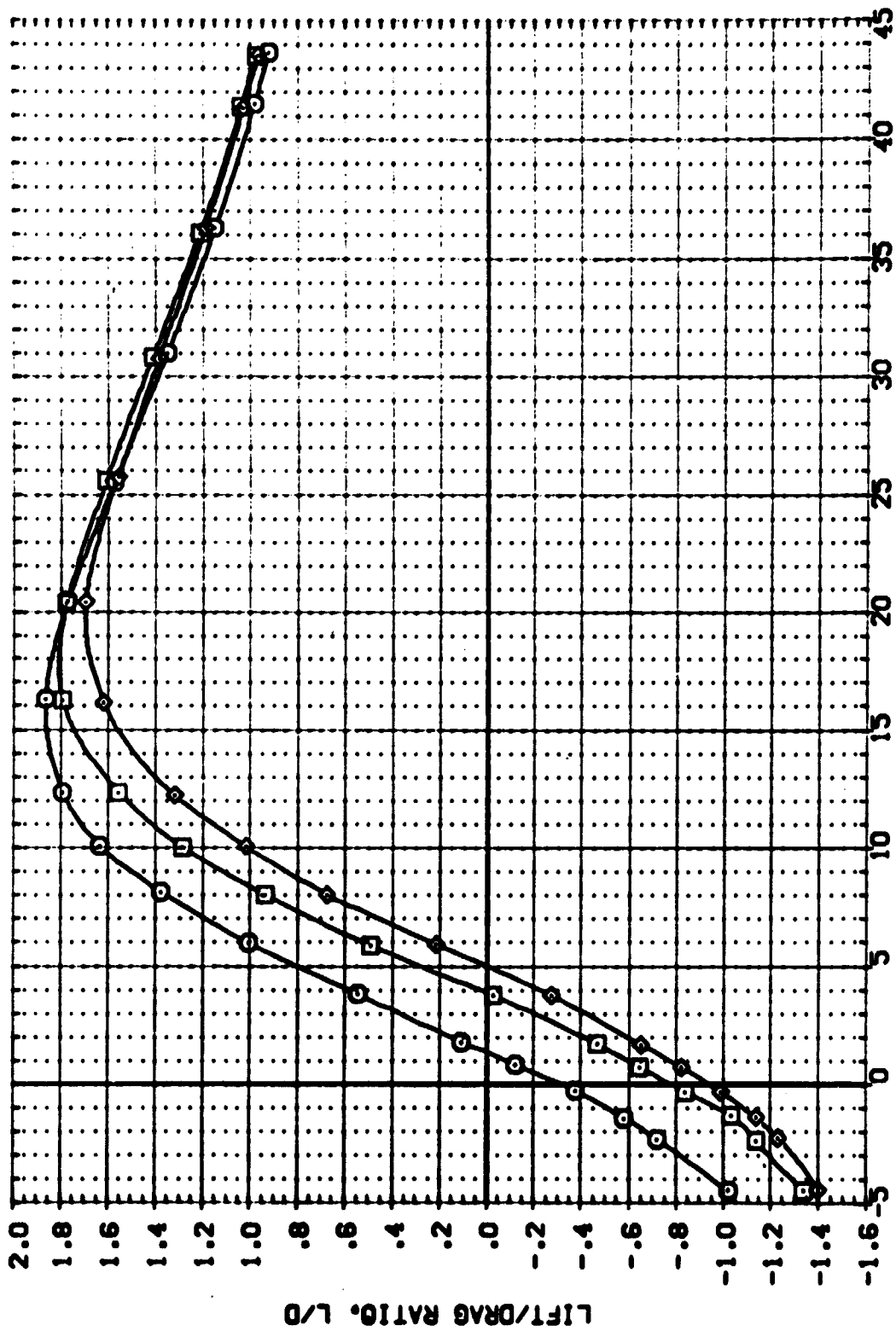


ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(M)MACH = 2.50



DATA SET SYMBO.	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPDRBK	RUDDER	REFERENCE INFORMATION
(111177)	0A44 UPVT 1035 CONF4	11.000	13.750	54.920	.000	SREF 87.1560
(111178)	0A44 UPVT 1035 CONF4	-41.000	-14.250	54.920	.000	LREF 7.1220
(111179)	0A44 UPVT 1035 CONF4	-41.000	-14.250	54.920	.000	BREF 14.0502
						XMPR 12.5772
						YMPR .0000
						ZMPR 6.0000
						SCALE .0150

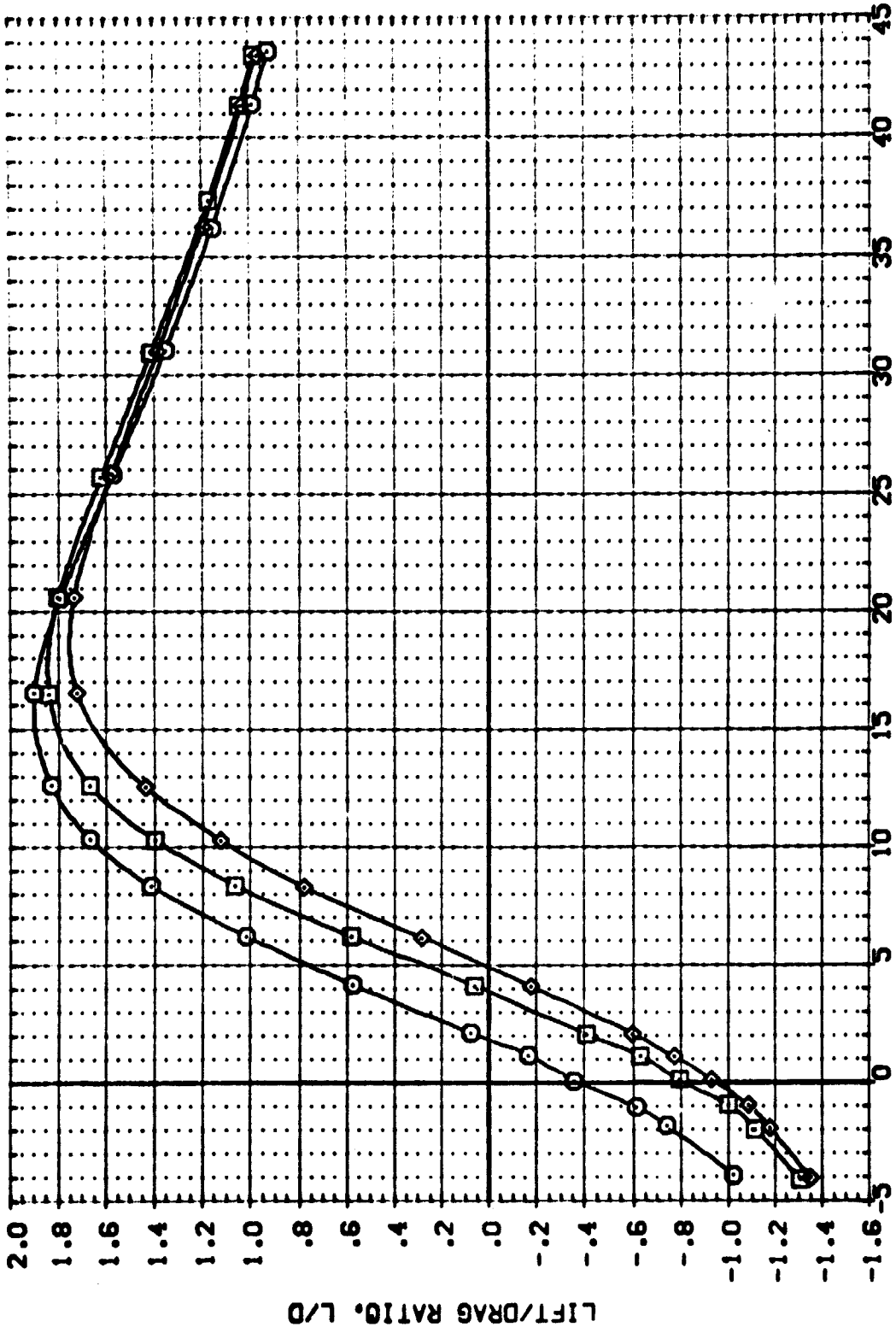


ANGLE OF ATTACK, ALPHA, DEGREES

ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(B)MACH = 3.90

DATA SET SYMBL	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPDRBK	RUDDER	REFERENCE INFORMATION
(BMP27)	GA44 UPVT 1035 CONF4	11.000	13.750	54.920	.000	87.1560 SO IN.
(BMP28)	GA44 UPVT 1035 CONF4	-24.000	-14.250	54.920	.000	7.1220 INCHES
(BMP29)	GA44 UPVT 1035 CONF4	-44.000	-14.250	54.920	.000	14.0502 INCHES
						12.5772 INCHES
						.0000 INCHES
						6.0000 INCHES
						.0150 INCHES
						SCALE



ANGLE OF ATTACK, ALPHA, DEGREES

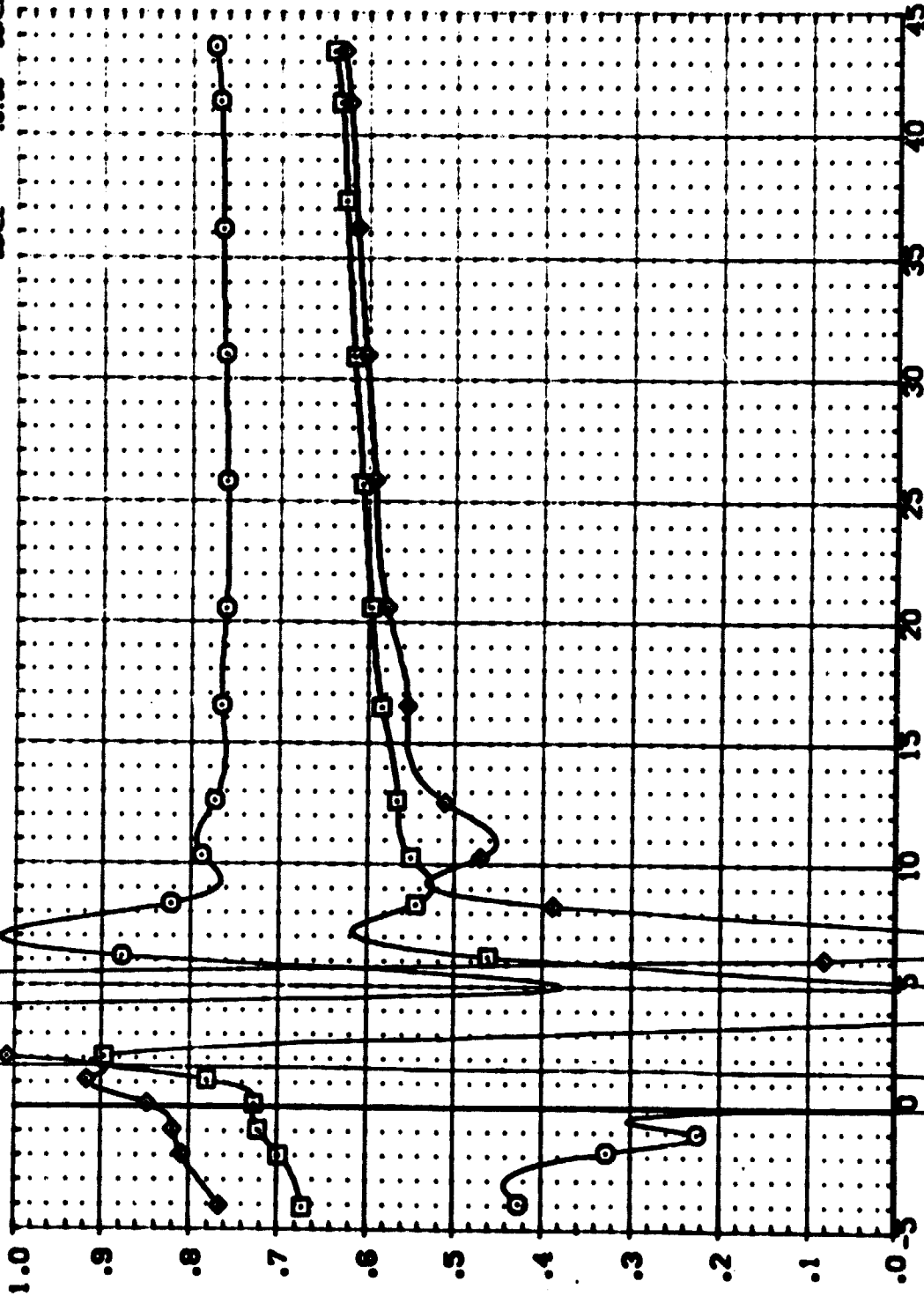
ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(C)MACH = 4.60





DATA SET SYMBL.	CONFIGURATION DESCRIPTION	ELEVTR	EDFLAP	SPDRSK	RUDDER	REFERENCE INFORMATION
(10000)	0000 UPV 10000 DBF-4	11.000	19.750	54.500	.000	REF. IN.
(10001)	0000 UPV 10000 DBF-4	-21.000	-14.250	54.500	.000	7.1220 INO-ES
(10002)	0000 UPV 10000 DBF-4	-21.000	-14.250	54.500	.000	14.0002 INO-ES
(10003)	0000 UPV 10000 DBF-4	-21.000	-14.250	54.500	.000	12.5772 INO-ES
(10004)	0000 UPV 10000 DBF-4	-21.000	-14.250	54.500	.000	8.0000 INO-ES
(10005)	0000 UPV 10000 DBF-4	-21.000	-14.250	54.500	.000	8.0150 INO-ES
(10006)	0000 UPV 10000 DBF-4	-21.000	-14.250	54.500	.000	SCALE



ANGLE OF ATTACK, ALPHA, DEGREES

ELEVONS DEFLECTED -1.938 CONFIG WITH MODIFIED NOSE

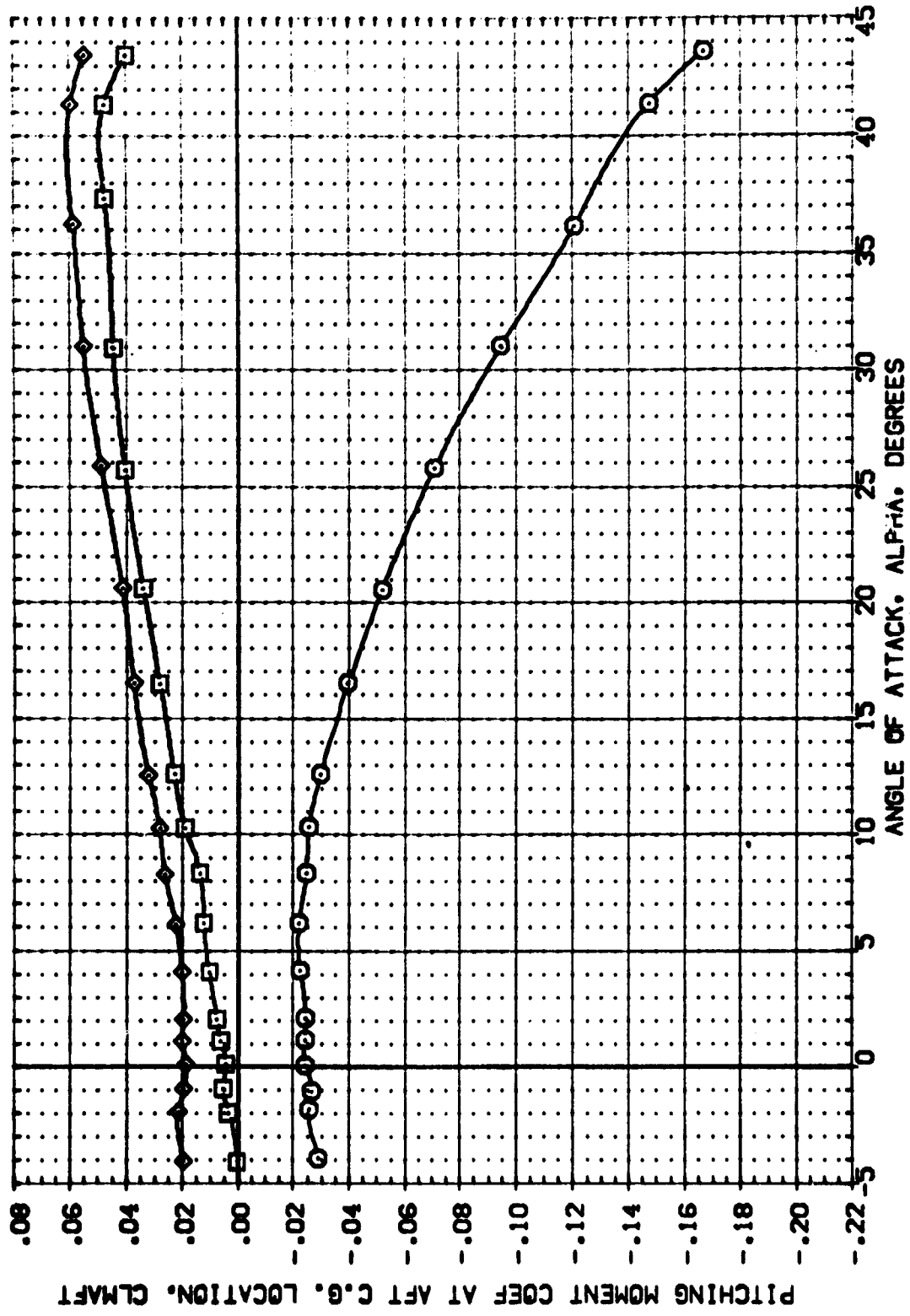
(C)MACH = 4.160





DATA SET SWBEL CONFIGURATION DESCRIPTION

(P1000Z)	0A44 UPVT 1035 CONF 4	E2107E2E3E4E5E6E7E8E9E10E11E12E13E14E15E16E17E18E19E20E21E22E23E24E25E26E27E28E29E30E31E32E33E34E35E36E37E38E39E40E41E42E43E44E45E46E47E48E49E50E51E52E53E54E55E56E57E58E59E60E61E62E63E64E65E66E67E68E69E70E71E72E73E74E75E76E77E78E79E80E81E82E83E84E85E86E87E88E89E90E91E92E93E94E95E96E97E98E99E100	ELEVTR	REFLAP	SPORNK	RUDGER	REFERENCE INFORMATION	
(P1000Z)	0A44 UPVT 1035 CONF 4	E2107E2E3E4E5E6E7E8E9E10E11E12E13E14E15E16E17E18E19E20E21E22E23E24E25E26E27E28E29E30E31E32E33E34E35E36E37E38E39E40E41E42E43E44E45E46E47E48E49E50E51E52E53E54E55E56E57E58E59E60E61E62E63E64E65E66E67E68E69E70E71E72E73E74E75E76E77E78E79E80E81E82E83E84E85E86E87E88E89E90E91E92E93E94E95E96E97E98E99E100	11.000	13.750	54.000	.000	SREF 87.9500	
(P1000Z)	0A44 UPVT 1035 CONF 4	E2107E2E3E4E5E6E7E8E9E10E11E12E13E14E15E16E17E18E19E20E21E22E23E24E25E26E27E28E29E30E31E32E33E34E35E36E37E38E39E40E41E42E43E44E45E46E47E48E49E50E51E52E53E54E55E56E57E58E59E60E61E62E63E64E65E66E67E68E69E70E71E72E73E74E75E76E77E78E79E80E81E82E83E84E85E86E87E88E89E90E91E92E93E94E95E96E97E98E99E100	-34.000	-14.250	54.920	.000	LREF 7.1720	
(P1000Z)	0A44 UPVT 1035 CONF 4	E2107E2E3E4E5E6E7E8E9E10E11E12E13E14E15E16E17E18E19E20E21E22E23E24E25E26E27E28E29E30E31E32E33E34E35E36E37E38E39E40E41E42E43E44E45E46E47E48E49E50E51E52E53E54E55E56E57E58E59E60E61E62E63E64E65E66E67E68E69E70E71E72E73E74E75E76E77E78E79E80E81E82E83E84E85E86E87E88E89E90E91E92E93E94E95E96E97E98E99E100	-44.000	-14.250	54.920	.000	BREF 14.0502	
								XREF 12.9543
								YREF 0.0000
								ZREF 6.0000
								SCALE .0150
								SCALE



ELEVONS DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(C)MACH = 4.60



DATA SET SYMBOL. CONFIGURATION DESCRIPTION

(RPNED7) 0444 UPVT 1035 CONF-2A B10C507R3-4W7E18R5V3X18

(RPNED2) 0444 UPVT 1035 CONF-2A B10C507R3-4W7E18R5V3X18

ELEVTR 0.000

BDFLAP 0.00

SPDRNK 54.820

RUDDER 0.000

REFERENCE INFORMATION

SREF 07.1560 50. IN.

LREF 7.1220 INCHES

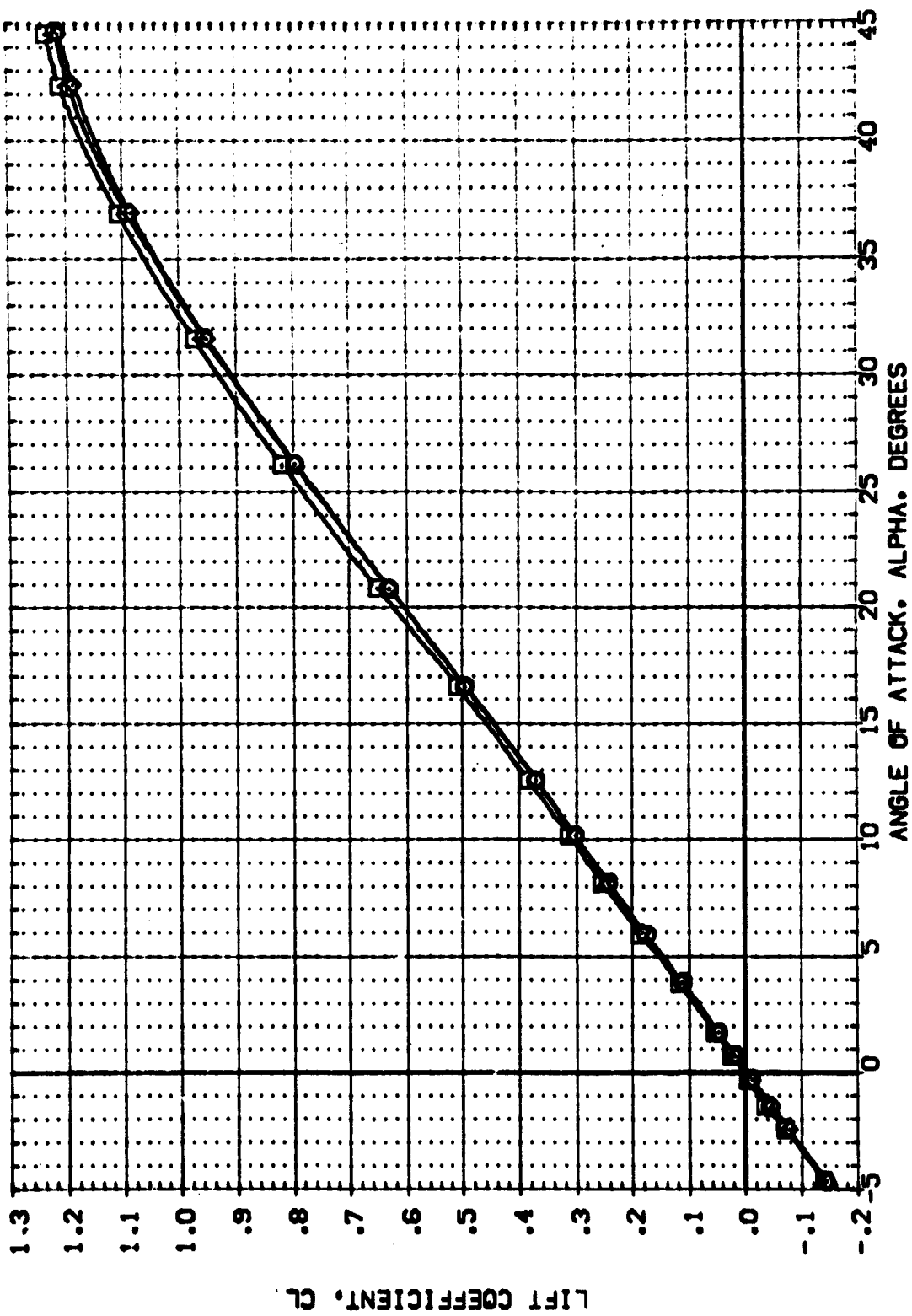
BREF 14.0502 INCHES

XTRP 13.1465 INCHES

YTRP 6.0000 INCHES

ZTRP 6.0000 INCHES

SCALE .0150



BODY FLAP DEFLECTED -898 CONFIG

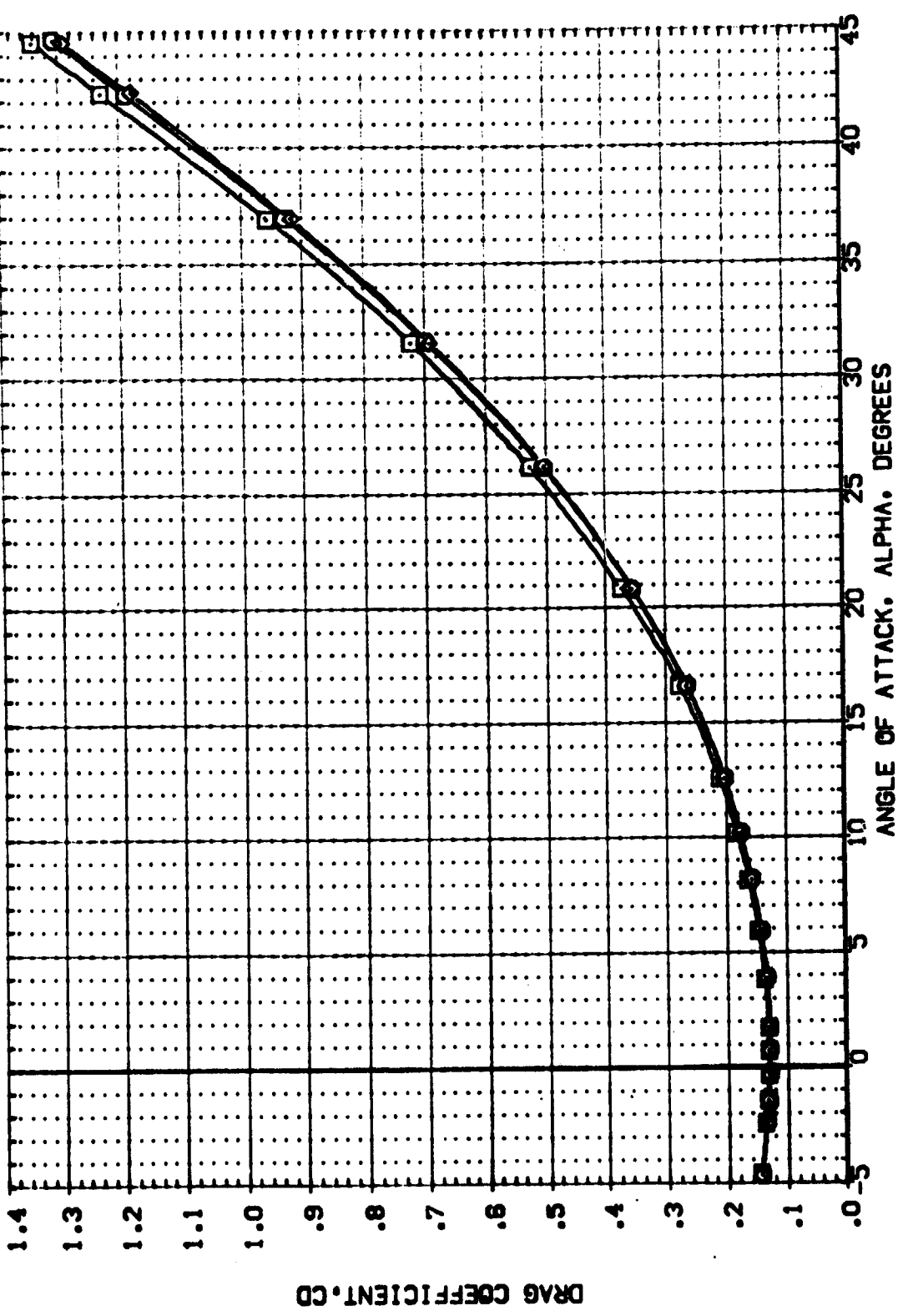
(A)MACH = 2.50





DATA SET SHEET    CONF IGURATION DESCRIPTION    REFERENCE INFORMATION

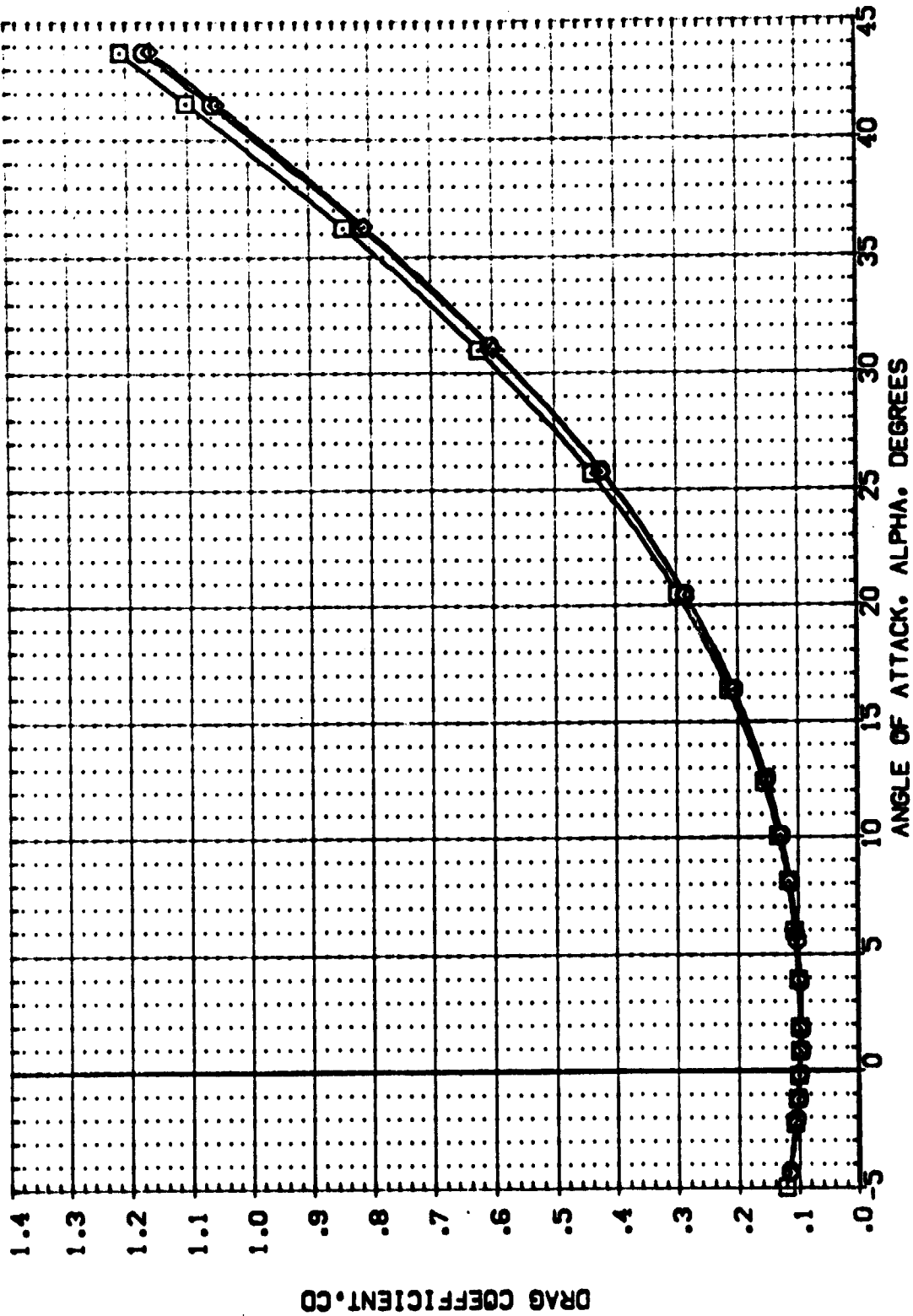
{ 00000 }	DATA UPVT 1000 CONF -2A B10C50M3F-AV67E (898)SX18	SHEET	07.1560	SO. IN.
{ 00000 }	DATA UPVT 1000 CONF -2A B10C50M3F-AV67E (898)SX18	LINEF	7.1220	INCHES
{ 00000 }	DATA UPVT 1000 CONF -2A B10C50M3F-AV67E (898)SX18	XPREF	14.0500	INCHES
		YMPR	13.1463	INCHES
		ZMPR	6.0000	INCHES
		SCALE	6.0000	INCHES
			.0150	SCALE



BODY FLAP DEFLECTED -898 CONFIG

(A)MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RPNED7)	DA44 UPVT 1035 CONF-2A B10C507GF4V87E18RSV5X16	.000	.000	54.920	.000	SREF 87.1560 SD,IN.
(RPNED8)	DA44 UPVT 1035 CONF-2A B10C507GF4V87E18RSV5X16	.000	13.750	54.920	.000	LREF 7.1270 INO-ES
(RPNED2)	DA44 UPVT 1035 CONF-2A B10C507GF4V87E18RSV5X16	.000	-14.250	54.920	.000	MREF 14.0502 INO-ES
						XTRP 13.1469 INO-ES
						YTRP .0000 INO-ES
						ZTRP 6.0000 INO-ES
						SCALE .0150 SCALE



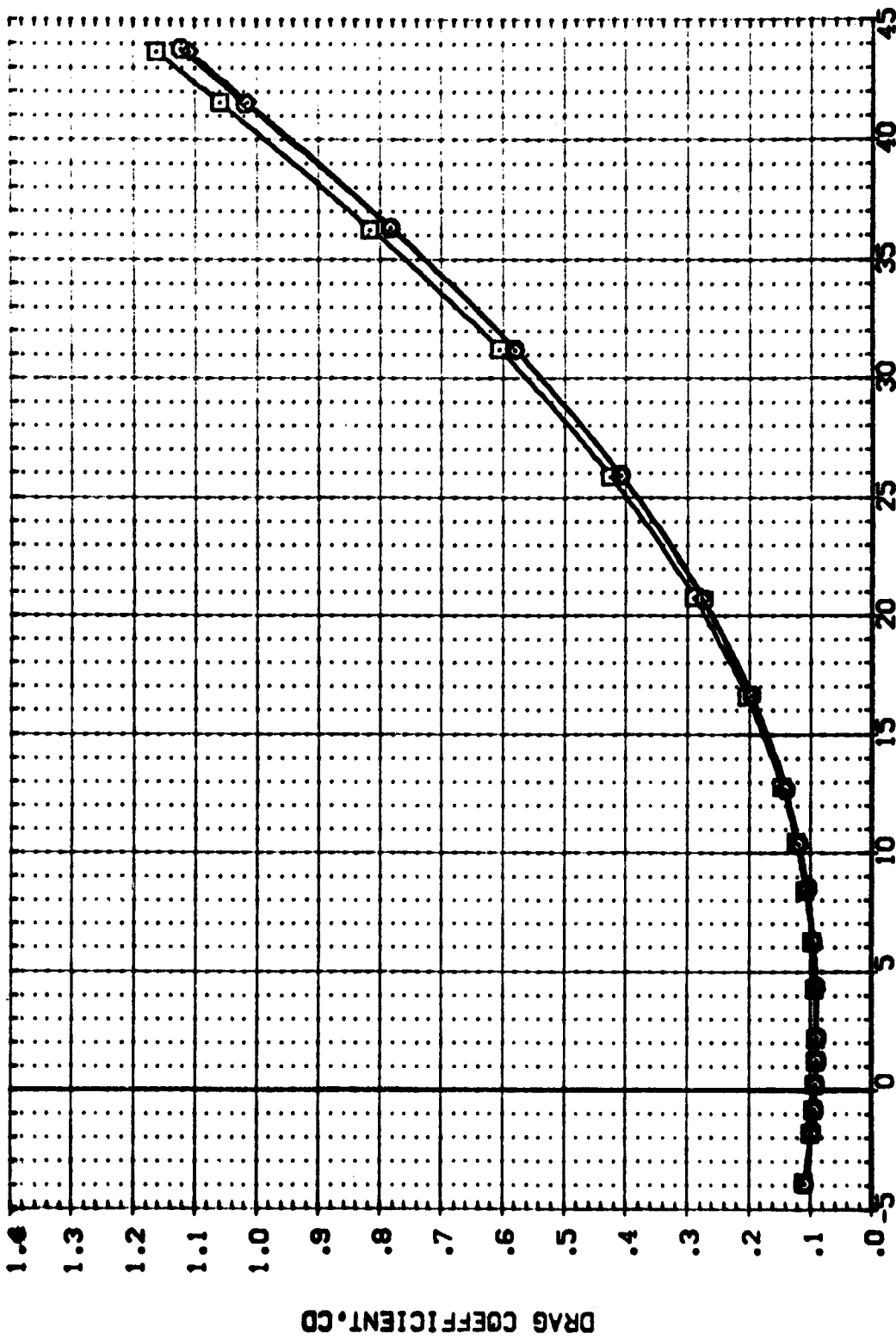
BODY FLAP DEFLECTED -898 CONFIG

(B)MACH = 3.90

DATA SET SYMBOL: 0444 UPVT 1008  
 CONFIGURATION DESCRIPTION: 0444 UPVT 1008  
 REFERENCE INFORMATION:  
 SREF 87.1560 SQ. IN.  
 LREF 7.1220 INCHES  
 XREF 14.0500 INCHES  
 YREF 13.1400 INCHES  
 ZREF 6.0000 INCHES  
 SCALE .0158

ELEVTR 0.000  
 BOFLAP 0.000  
 SPOBRK 54.520  
 FLUDDR 0.000

0444 UPVT 1008 0444 UPVT 1008  
 0444 UPVT 1008 0444 UPVT 1008  
 0444 UPVT 1008 0444 UPVT 1008



ANGLE OF ATTACK, ALPHA, DEGREES

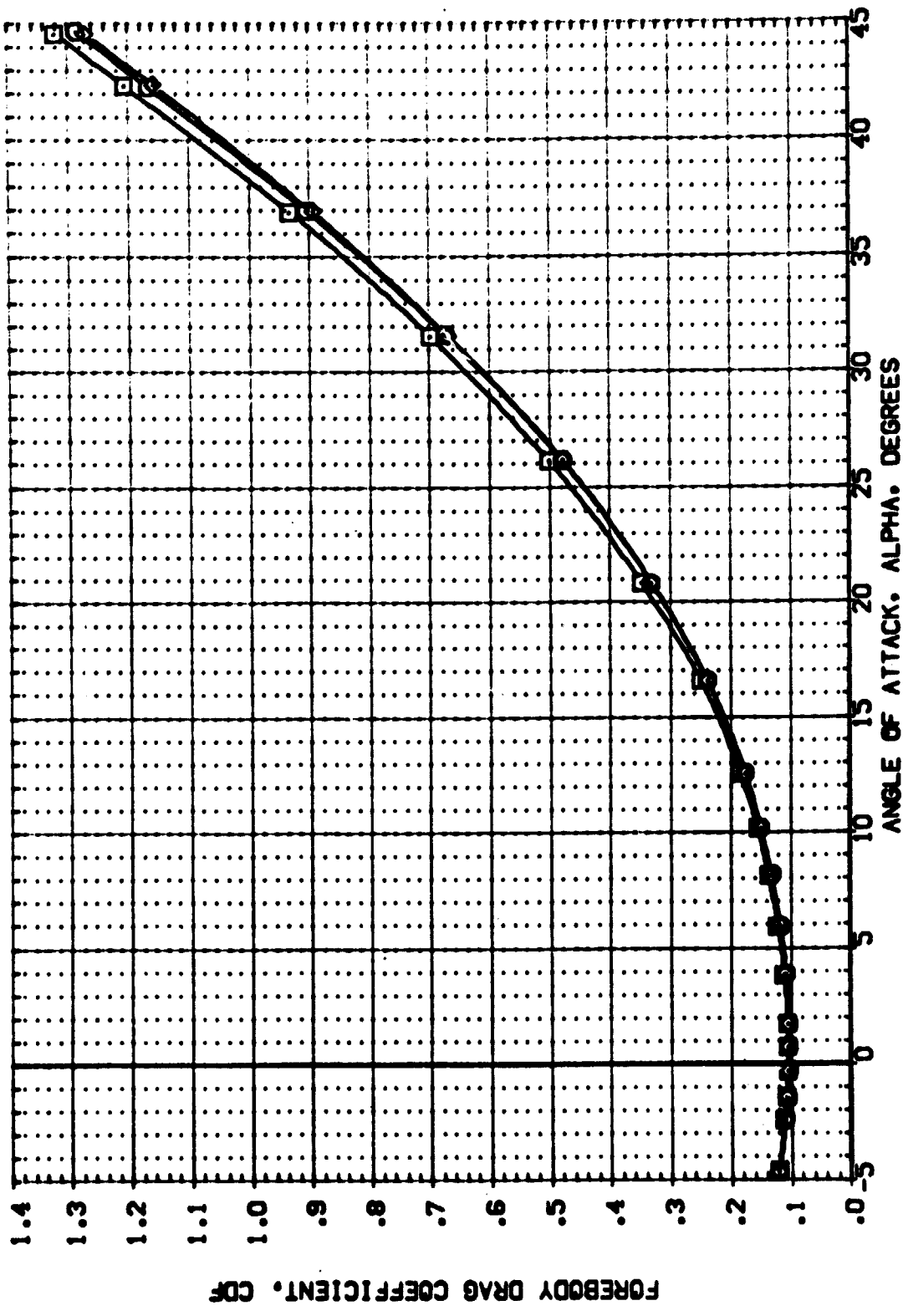
BODY FLAP DEFLECTED -898 CONFIG

(C)MACH = 4.60

DATA SET SYMBS. CONFIGURATION DESCRIPTION  
 (MPC001) OMA1 UPVT 1005 CONF-2A B1000070G-1M07E10R0V0X18  
 (MPC002) OMA1 UPVT 1005 CONF-2A B1000070G-1M07E10R0V0X18  
 (MPC003) OMA1 UPVT 1005 CONF-2A B1000070G-1M07E10R0V0X18

ELEVTR 0.000  
 BOFLAP 0.000  
 SPOBRK 54.000  
 RUDDER 0.000

REFERENCE INFORMATION  
 SREF 07.1500 SQ. IN.  
 LREF 7.1220 IN.-ES  
 BREF 14.0502 IN.-ES  
 YREF 13.1453 IN.-ES  
 ZREF 0.0000 IN.-ES  
 YRPP 0.0000 IN.-ES  
 ZRPP 0.0000 IN.-ES  
 SCALE 0.0150 SCALE



BODY FLAP DEFLECTED -898 CONFIG  
 (A)MACH = 2.50

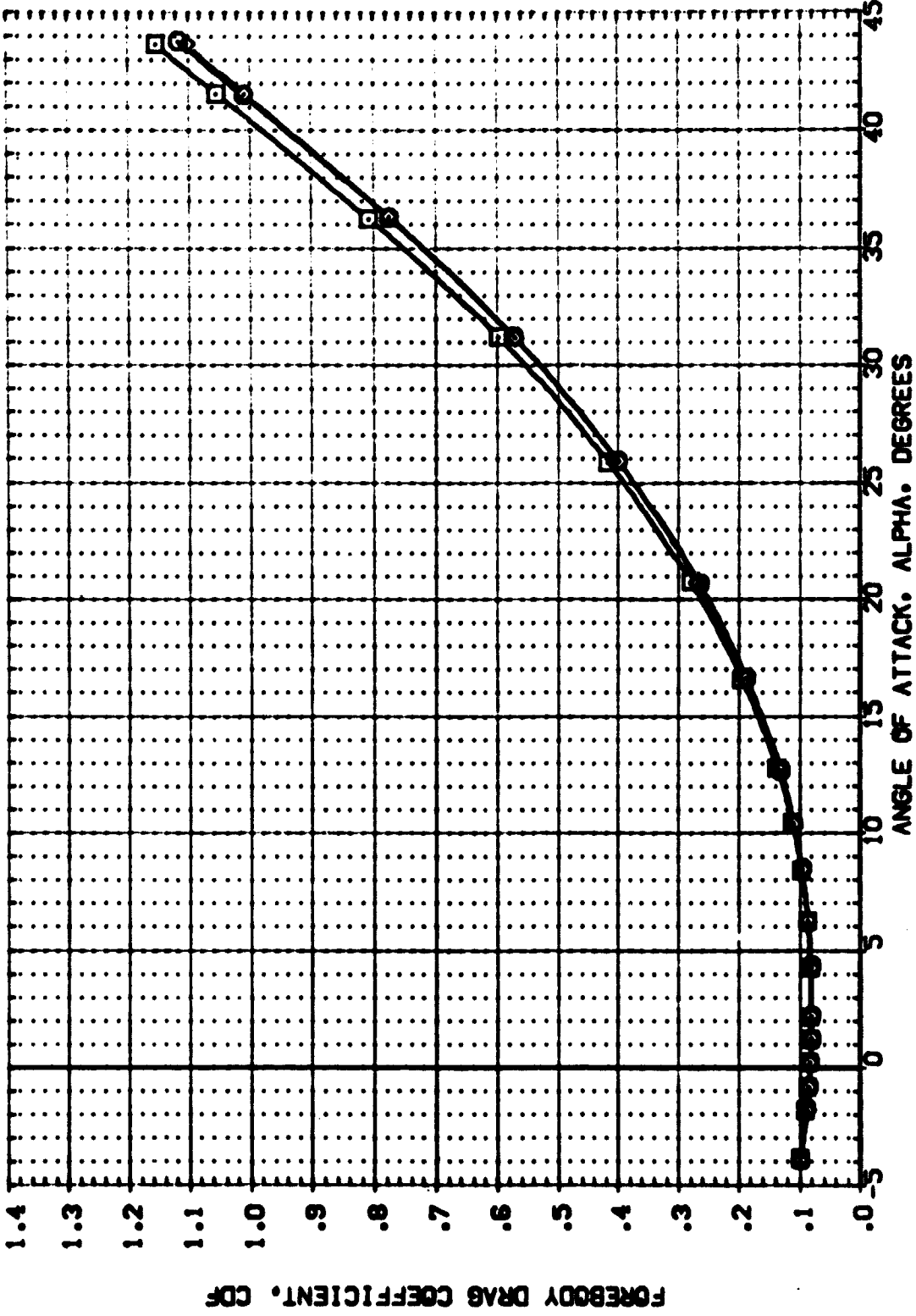




DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (SYMBOL) DATA UNIT 1005 CONF-2A B10C507MCF-4M7E B10M5X18  
 (SYMBOL) DATA UNIT 1005 CONF-2A B10C507MCF-4M7E B10M5X18  
 (SYMBOL) DATA UNIT 1005 CONF-2A B10C507MCF-4M7E B10M5X18

REFERENCE INFORMATION  
 SHEET 67.1500 50 IN.  
 LIFT 7.1200 IN-OES  
 XREF 14.0500 IN-OES  
 YREF 13.1468 IN-OES  
 ZREF .0000 IN-OES  
 SCALE 6.0000 IN-OES  
 SCALE .0150 IN-OES

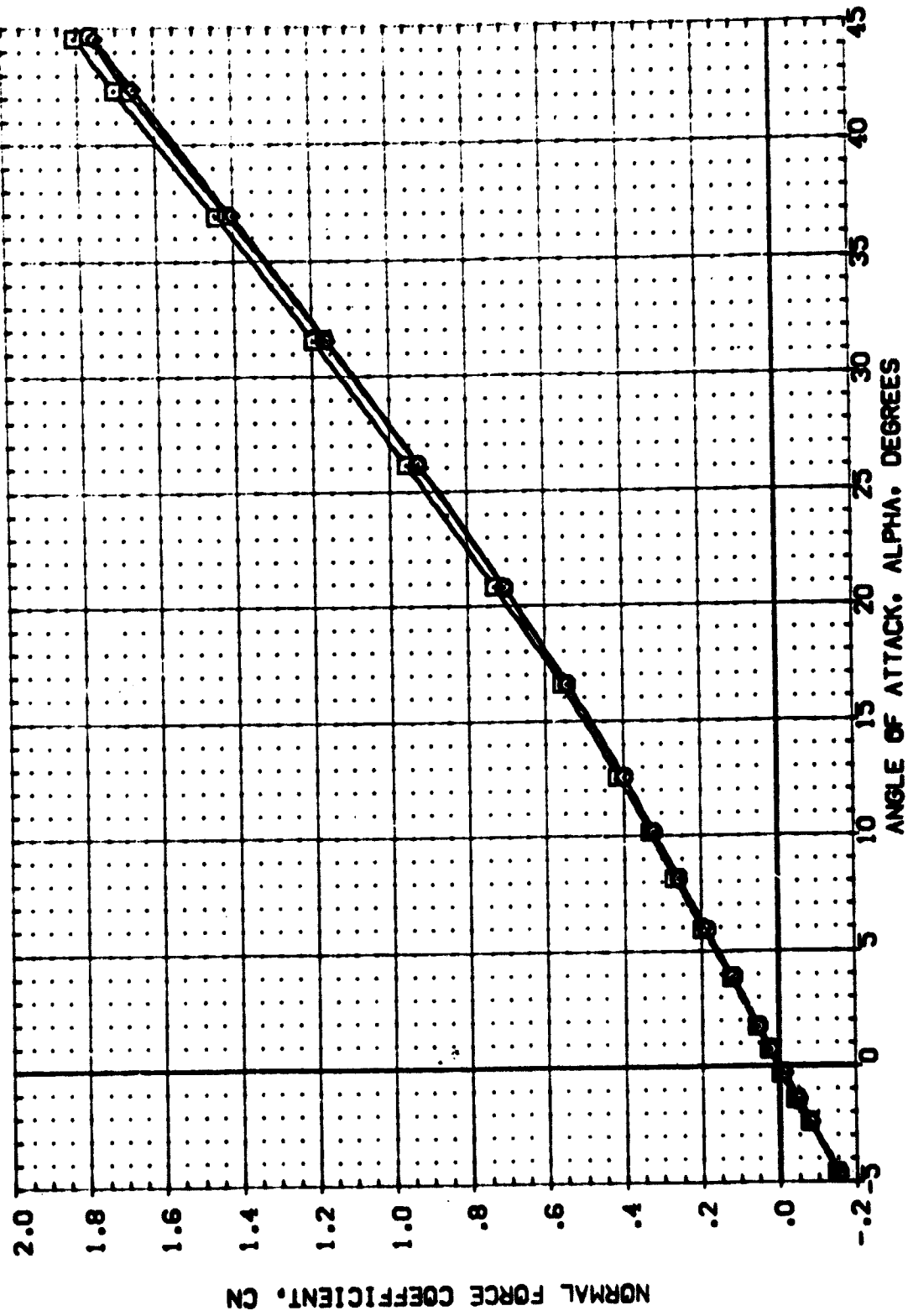
ELEVTR EOLAP SPDRK FLUDR  
 .000 .000 .000 .000  
 .000 13.750 54.820 .000  
 .000 -14.250 54.820 .000



BODY FLAP DEFLECTED -898 CONFIG

(C)MACH = 4.60

DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 { 1 } DATA UPVT 1088 CONF-2A 810250706-1487E 1889V3A18  
 { 2 } DATA UPVT 1088 CONF-2A 810250706-1487E 1889V3A18  
 { 3 } DATA UPVT 1088 CONF-2A 810250706-1487E 1889V3A18  
 REFERENCE INFORMATION  
 SREF 87.1580 50. IN.  
 LREF 7.1220 INCHES  
 PREF 14.0502 INCHES  
 XREF 13.1488 INCHES  
 YREF 6.0000 INCHES  
 ZREF 6.0000 INCHES  
 SCALE .0150 SCALE

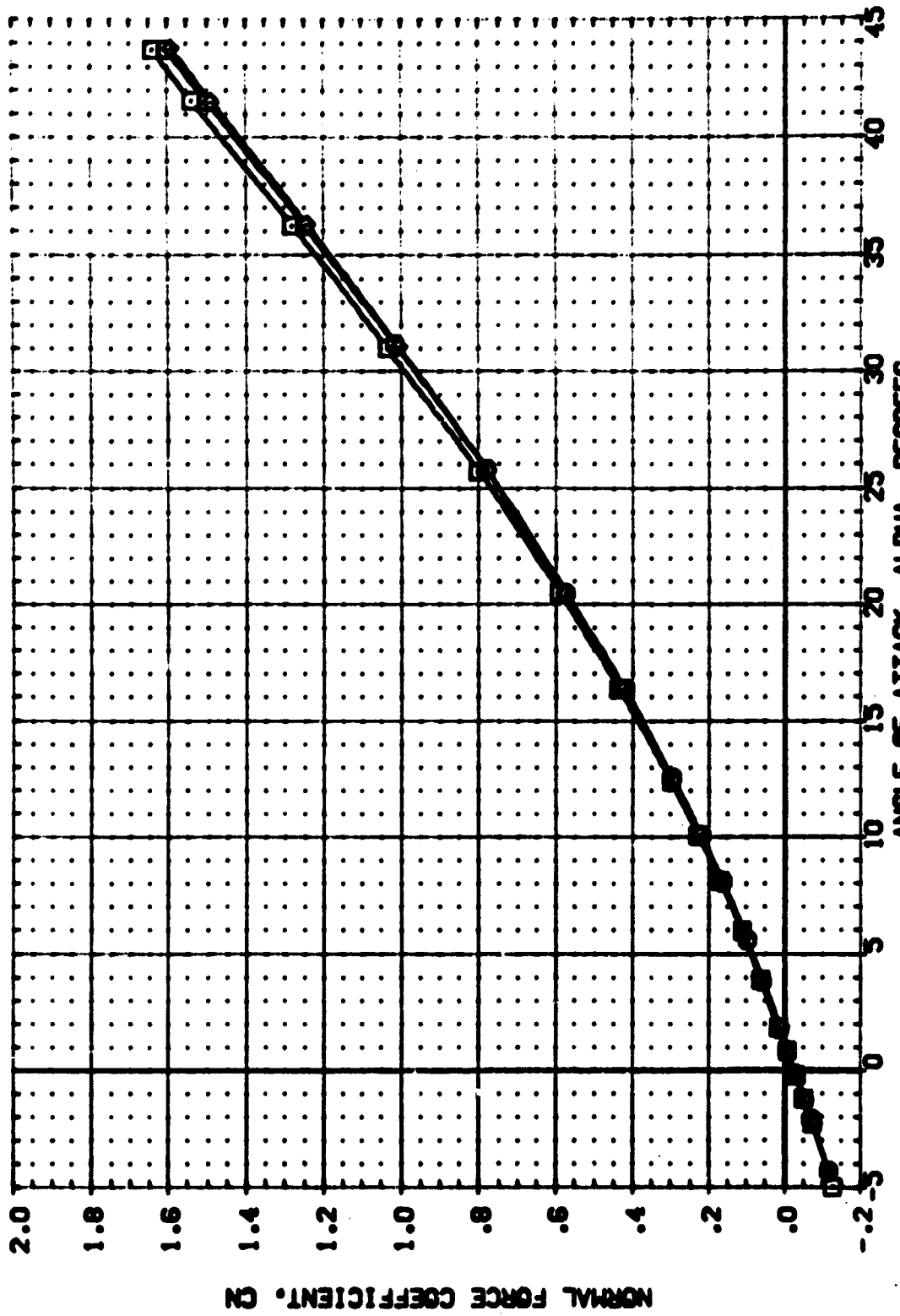


BODY FLAP DEFLECTED -898 CONFIG

(A)MACH = 2.50

DATA SET SYMBOL    CONFIGURATION DESCRIPTION    ELEVTR    BODYFLAP    SPORNK    RUDDER    REFERENCE INFORMATION

[SYMBOL]	0444 UPVT 1005 CONF-2A B10CS07H3-4M7E B10EVSX18	.000	.000	24.500	.000	97.1250	50. IN.
[SYMBOL]	0444 UPVT 1005 CONF-2A B10CS07H3-4M7E B10EVSX18	.000	.000	24.500	.000	7.1250	NO. CS
[SYMBOL]	0444 UPVT 1005 CONF-2A B10CS07H3-4M7E B10EVSX18	.000	-12.250	24.500	.000	15.0000	NO. CS
[SYMBOL]	0444 UPVT 1005 CONF-2A B10CS07H3-4M7E B10EVSX18	.000	-14.250	24.500	.000	13.1408	NO. CS
						6.0000	NO. CS
						6.0000	NO. CS
						6.0150	SCALE



BODY FLAP DEFLECTED -898 CONFIG

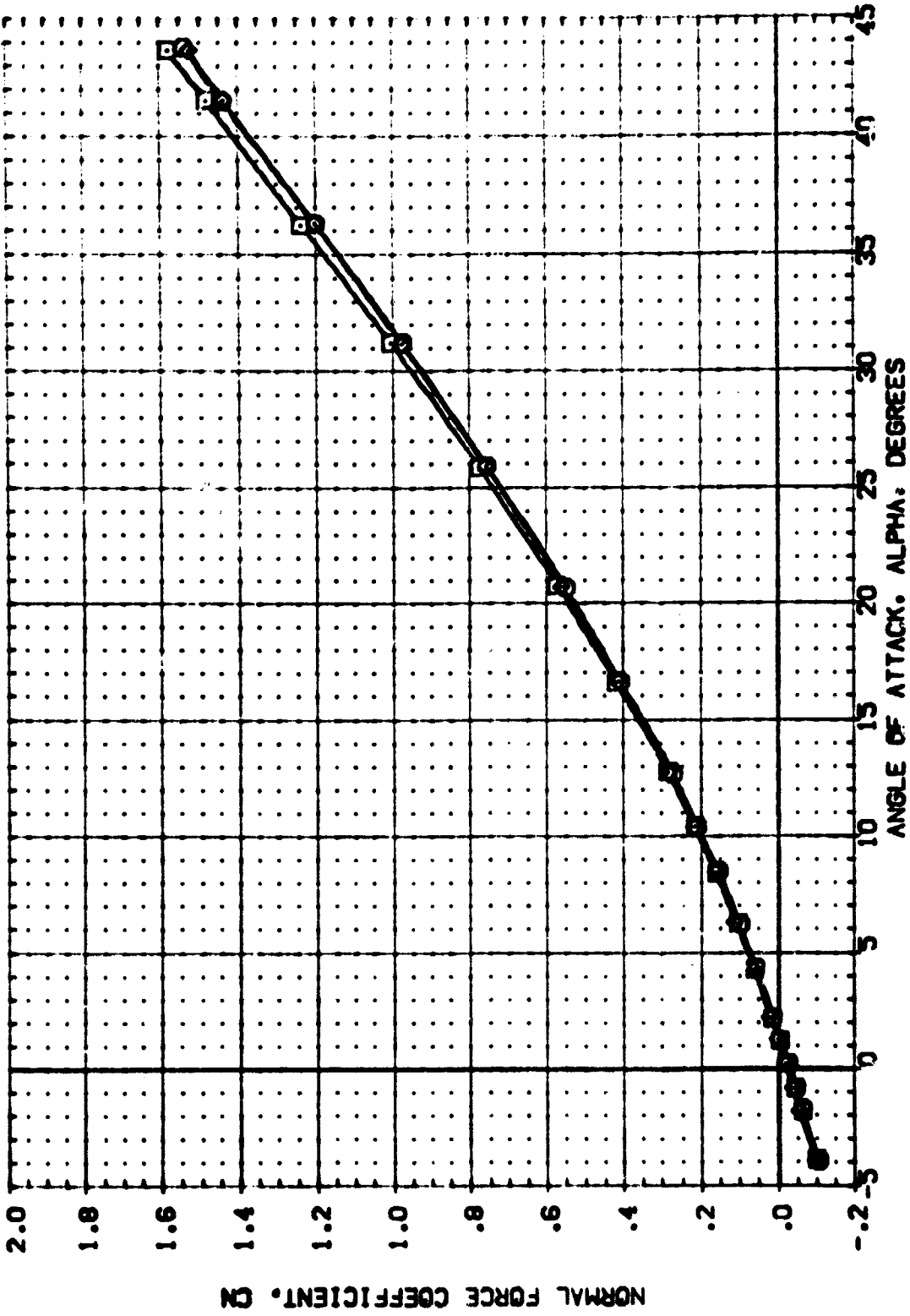
(C)MACH = 3.90

DATA SET SWED. CONFIGURATION DESCRIPTION

(REV:077) DATA UNIT (088) CONF-2A (110) 20% OF ANGLE (REV:077) 18  
 (REV:088) DATA UNIT (088) CONF-2A (110) 20% OF ANGLE (REV:077) 18  
 (REV:088) DATA UNIT (088) CONF-2A (110) 20% OF ANGLE (REV:077) 18

ELEVTR 0.000  
 SPOBRK 31.500  
 FLUDER 0.000  
 RUDER 0.000

REFERENCE INFORMATION  
 XREF 07.1500  
 YREF 7.1200  
 XTRF 13.1400  
 YTRF 6.0000  
 ZTRF 0.0000  
 SCALE 0.0150

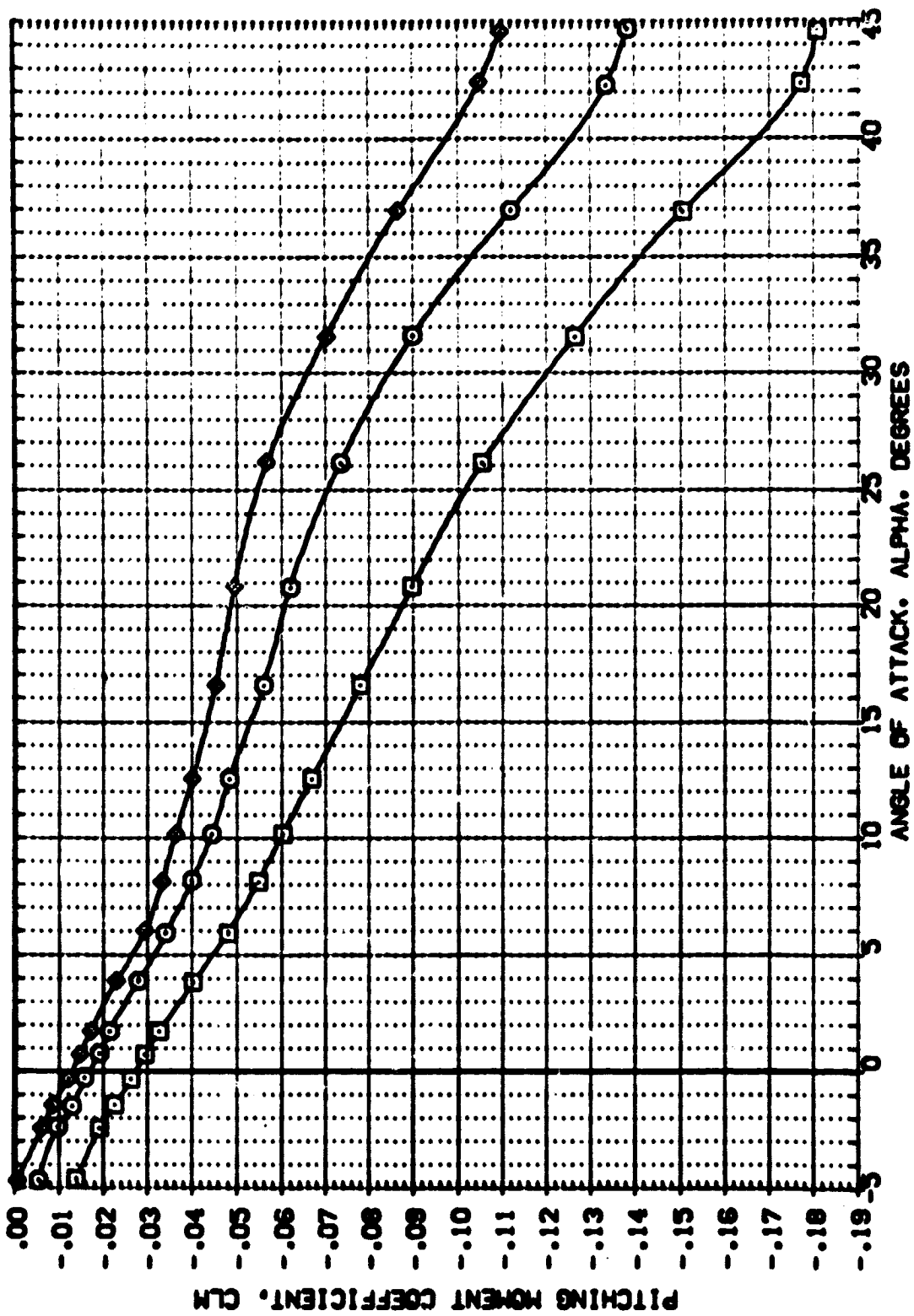


ANGLE OF ATTACK. ALPHA: DEGREES

BODY FLAP DEFLECTED -898 CONFIG

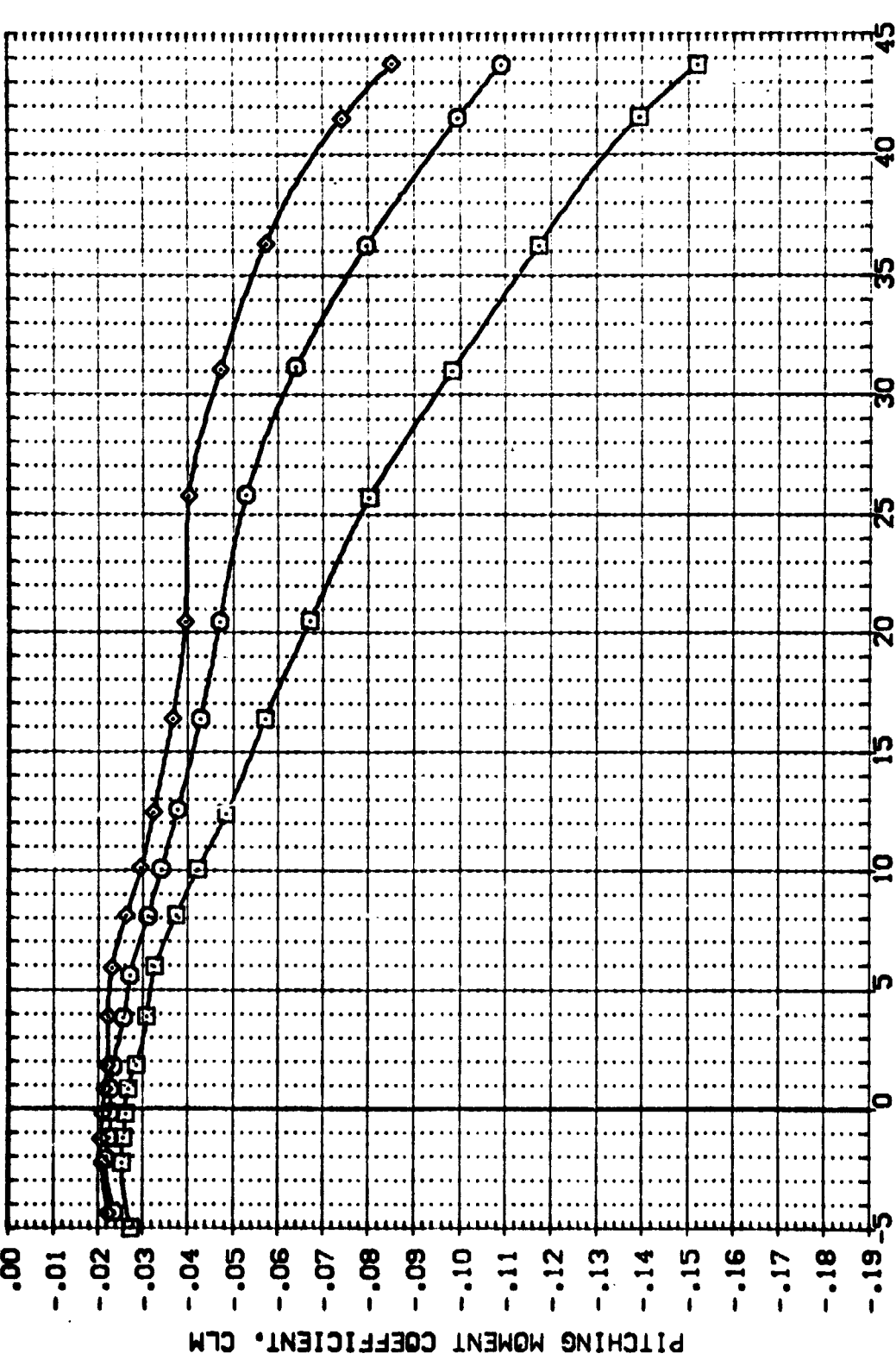
(C)MACH = 4.60

DATA SET SHEET	CONFIGURATION DESCRIPTION	FLYER	REFLAP	SPURK	FLOOR	REFERENCE INFORMATION
{ 87-007 }	DATA UNIT 1000 CONF-2A BLDG-2A WAVE 1000-18	.000	.000	54.500	.000	SPRT 87.1500
{ 87-008 }	DATA UNIT 1000 CONF-2A BLDG-2A WAVE 1000-18	.000	-12.500	54.500	.000	LAST 7.1250
{ 87-009 }	DATA UNIT 1000 CONF-2A BLDG-2A WAVE 1000-18	.000	-14.250	54.500	.000	SPRT 14.0000
						LAST 13.1400
						SPRT 6.0000
						LAST 6.0000
						SCALE .0150



BODY FLAP DEFLECTED -898 CONFIG  
 (M)MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVATOR	WING LIFT	WING DRAG	WING SPIN	WING YAW	WING ROLL	WING SCALE	REFERENCE INFORMATION
{ 89807 }	2M44 UPVT 1033 CONF-2A B10C507HCF 1W67E 1BR5V5X18	.000	.000	.000	.000	.000	.000	.0150	87.1590 INCHES
{ 89808 }	2M44 UPVT 1033 CONF-2A B10C507HCF 1W67E 1BR5V5X18	.000	.000	.000	.000	.000	.000	.0150	7.1220 INCHES
{ 89809 }	2M44 UPVT 1033 CONF-2A B10C507HCF 1W67E 1BR5V5X18	.000	.000	.000	.000	.000	.000	.0150	14.0502 INCHES
		.000	.000	.000	.000	.000	.000	.0150	13.1469 INCHES
		.000	.000	.000	.000	.000	.000	.0150	6.0000 INCHES
		.000	.000	.000	.000	.000	.000	.0150	SCALE



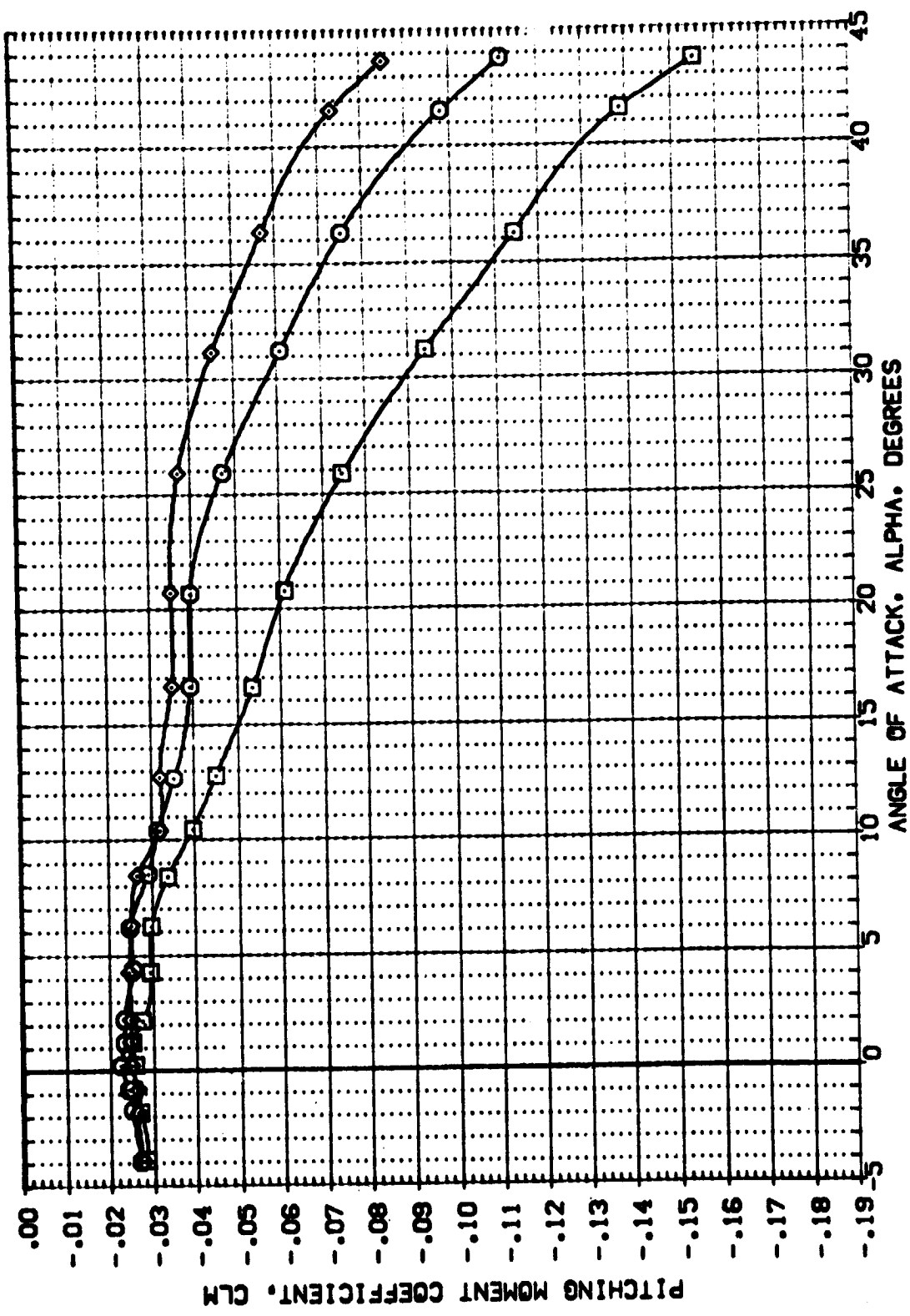
ANGLE OF ATTACK, ALPHA, DEGREES

PITCHING MOMENT COEFFICIENT, CM

BODY FLAP DEFLECTED -898 CONFIG  
(B)MACH = 3.90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

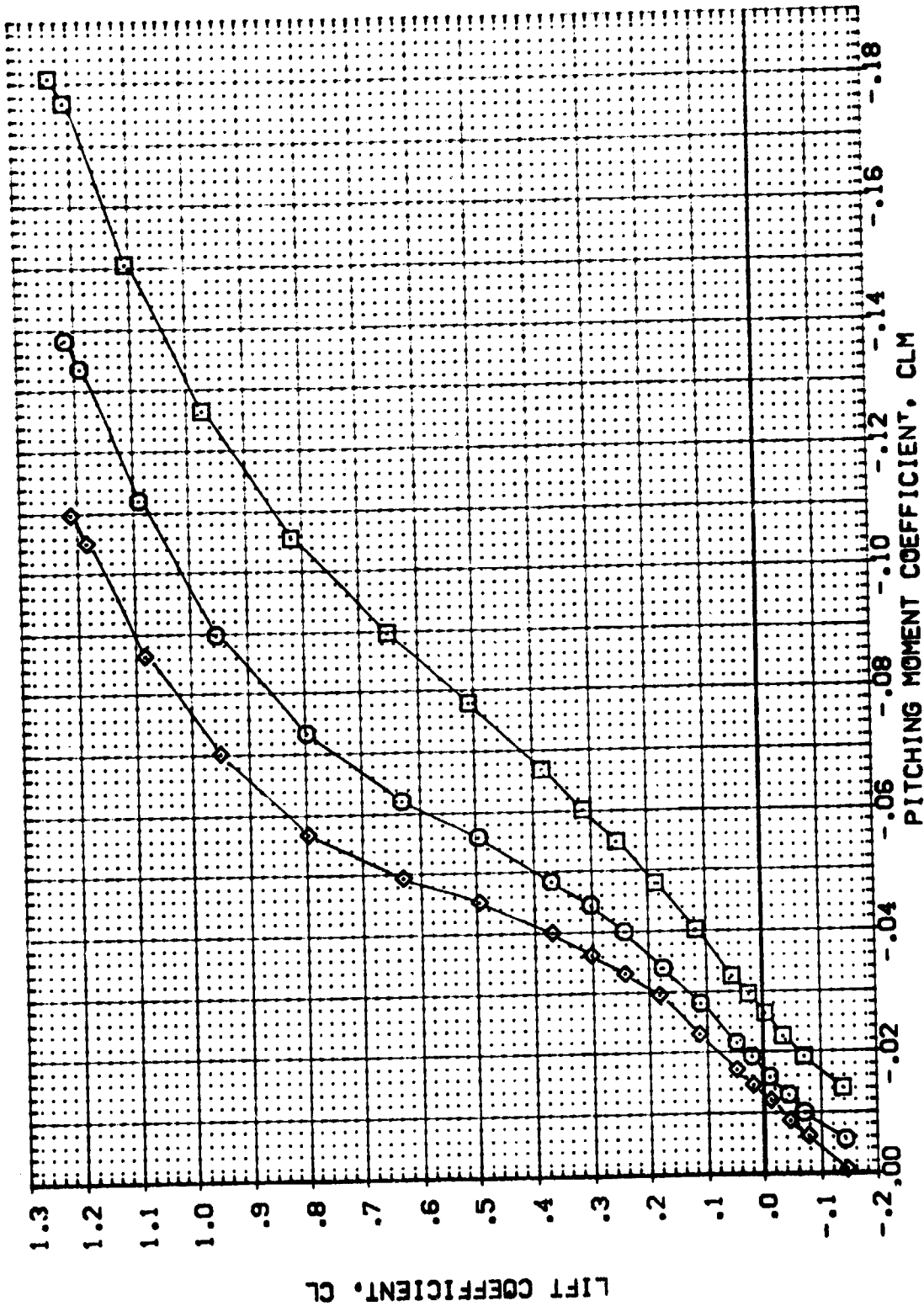
(MPC07)	0A4 UPAT 1035 CONF-2A B10C307H5F4167E18P5V5X16	ELEVTR	0.000	BDFLAP	0.000	SPORBK	54.920	RUDDER	0.000	REFERENCE INFORMATION
(MPC02)	0A4 UPAT 1035 CONF-2A B10C307H5F4167E18P5V5X16		0.000	13.750	0.000	54.920			0.000	97.1500
	0A4 UPAT 1035 CONF-2A B10C307H5F4167E18P5V5X16		0.000	-14.250	0.000	54.920			0.000	7.1220
									0.000	14.0502
									0.000	13.1469
									0.000	6.0000
									0.000	6.0000
									0.0150	SCALE



BODY FLAP DEFLECTED -898 CONFIG

(C)MACH = 4.60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
{RPNED07}	0A44 UPVT 1005 CONF-2A B10C507RG-4M7E18S5VX18	.000	.000	54.920	.000	SREF 87.1560
{RPNED08}	0A44 UPVT 1005 CONF-2A B10C507RG-4M7E18S5VX18	.000	13.750	54.920	.000	LREF 7.1220
{RPNED09}	0A44 UPVT 1005 CONF-2A B10C507RG-4M7E18S5VX18	.000	-14.250	54.920	.000	MREF 14.0520
						XMRP 13.1468
						YMRP .0000
						ZMRP 6.0000
						SCALE .0150



BODY FLAP DEFLECTED -89B CONFIG

(M)MACH = 2.50



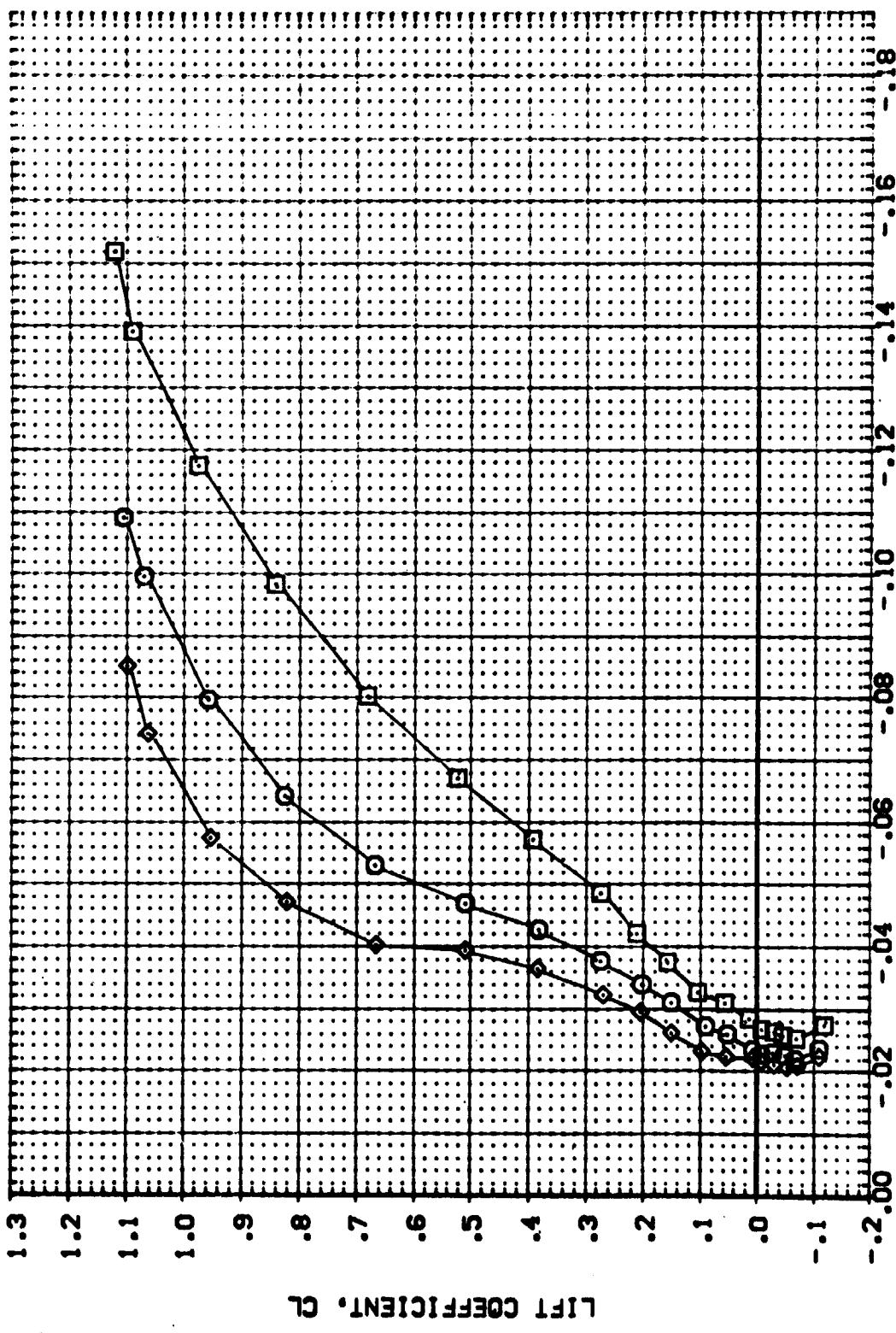


DATA SET SYMBOL: (NPHED7) (NPHED8) (NPHED2)

CONFIGURATION DESCRIPTION:  
 DAM4 UPVT 1035 CONF-2A B10C3D7H3F4167E18P5V5X16  
 DAM4 UPVT 1035 CONF-2A B10C3D7H3F4167E18P5V5X16  
 DAM4 UPVT 1035 CONF-2A B10C3D7H3F4167E18P5V5X16

ELEVTR: .000  
 BDFLAP: .000  
 SPOBRK: 54.920  
 RUDDER: .000

REFERENCE INFORMATION:  
 SREF: 87.1580 SQ. IN.  
 LREF: 7.1220 INCHES  
 BREF: 14.0502 INCHES  
 XMRP: 13.1469 INCHES  
 YMRP: .0000 INCHES  
 ZMRP: 6.0000 INCHES  
 SCALE: .0150



PITCHING MOMENT COEFFICIENT, CLM

BODY FLAP DEFLECTED -898 CONFIG

(R)MACH = 3.90

DATA SET SYMBOL    CONFIGURATION DESCRIPTION    ELEVTR    BOFLAP    SPOBRK    RUDDER    REFERENCE INFORMATION

(RPNEDZ)    0A44 UPVT 1005 CONF-2A B10CS070G-4V67E18R5V5X18    .000    .000    .000    .000    SREF    87.1560    50. IN.

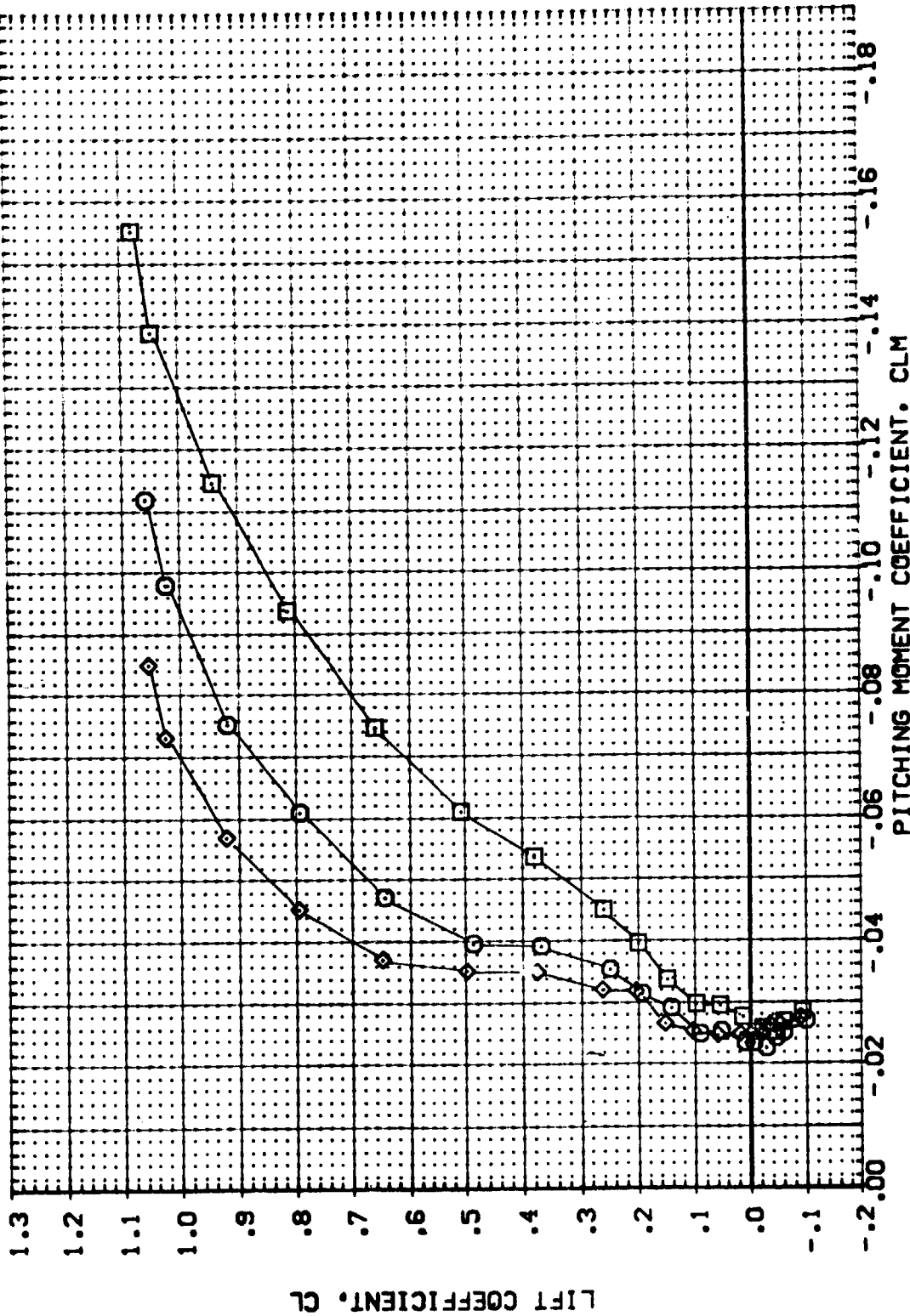
(RPNEDZ)    0A44 UPVT 1005 CONF-2A B10CS070G-4V67E18R5V5X18    .000    .000    .000    .000    LREF    7.1220    INCHES

(RPNEDZ)    0A44 UPVT 1005 CONF-2A B10CS070G-4V67E18R5V5X18    .000    -14.250    54.920    .000    BREF    14.0502    INCHES

(RPNEDZ)    0A44 UPVT 1005 CONF-2A B10CS070G-4V67E18R5V5X18    .000    -14.250    54.920    .000    YPRP    13.1469    INCHES

(RPNEDZ)    0A44 UPVT 1005 CONF-2A B10CS070G-4V67E18R5V5X18    .000    -14.250    54.920    .000    ZPRP    6.0000    INCHES

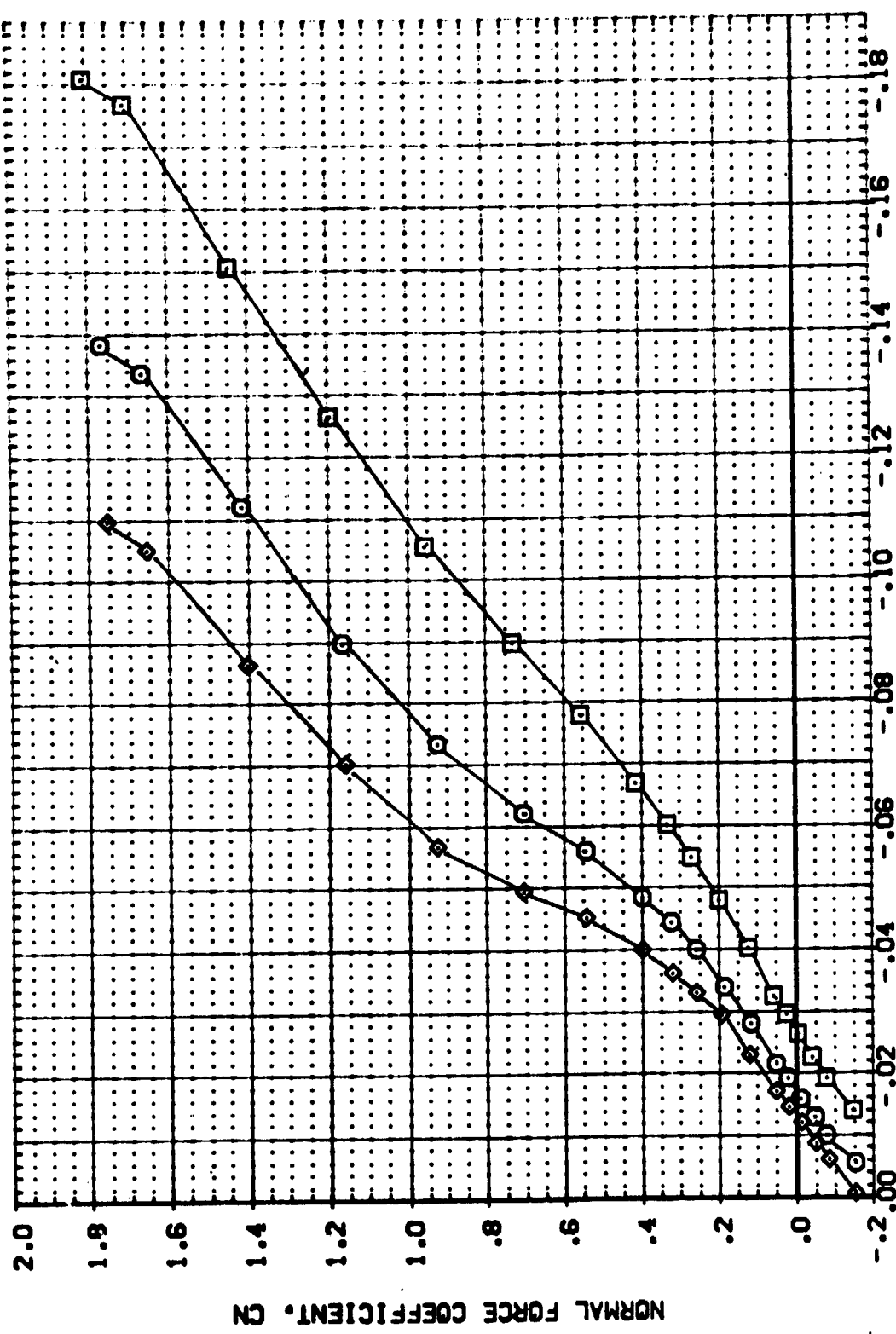
(RPNEDZ)    0A44 UPVT 1005 CONF-2A B10CS070G-4V67E18R5V5X18    .000    -14.250    54.920    .000    SCALE    .0150    SCALE



BODY FLAP DEFLECTED -898 CONFIG

(C)MACH = 4.60

DATA SET SYMBOL: **0441**  
 CONFIGURATION DESCRIPTION: **CONF-2A B10CSD7M3F1A87E188VSX16**  
 REFERENCE INFORMATION: **SO. IN. 87.1580**  
**IN. OF ES 7.1220**  
**IN. OF ES 14.0502**  
**IN. OF ES 13.1469**  
**IN. OF ES .0000**  
**IN. OF ES .0000**  
**SCALE .0150**



PITCHING MOMENT COEFFICIENT, CLM

BODY FLAP DEFLECTED -898 CONFIG

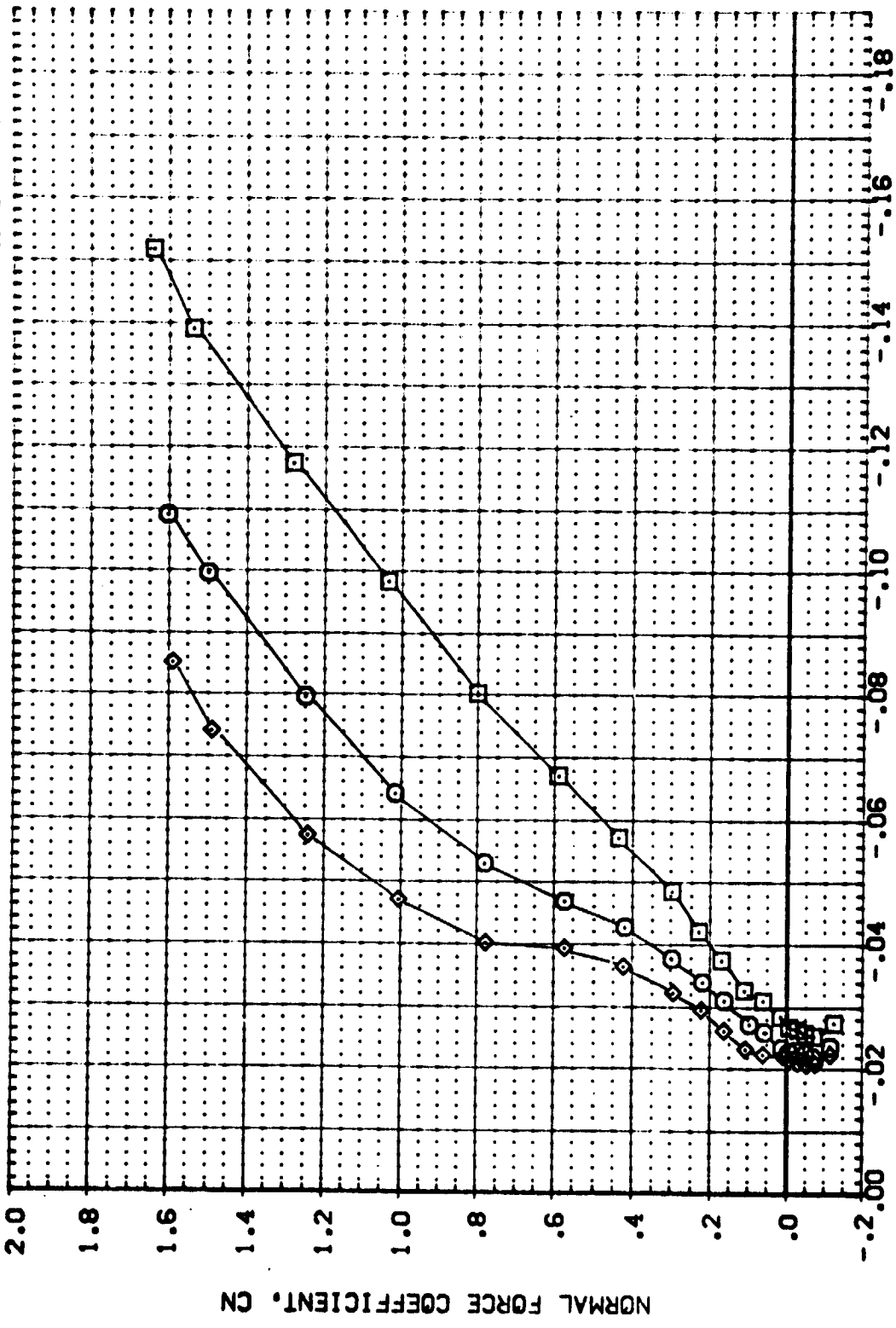
(A)MACH = 2.50

DATA SET SYMBOL: (RPMED7) (RPMED8) (RPMED9)

CONFIGURATION DESCRIPTION: 0A44 UPVT 1008 CONF-2A B10C307M3-4167E B185VX18  
 0A44 UPVT 1008 CONF-2A B10C307M3-4167E B185VX18  
 0A44 UPVT 1008 CONF-2A B10C307M3-4167E B185VX18

ELEVTR: .000  
 BOFLAP: .000  
 SPOBRK: 54.820  
 RUDDER: .000

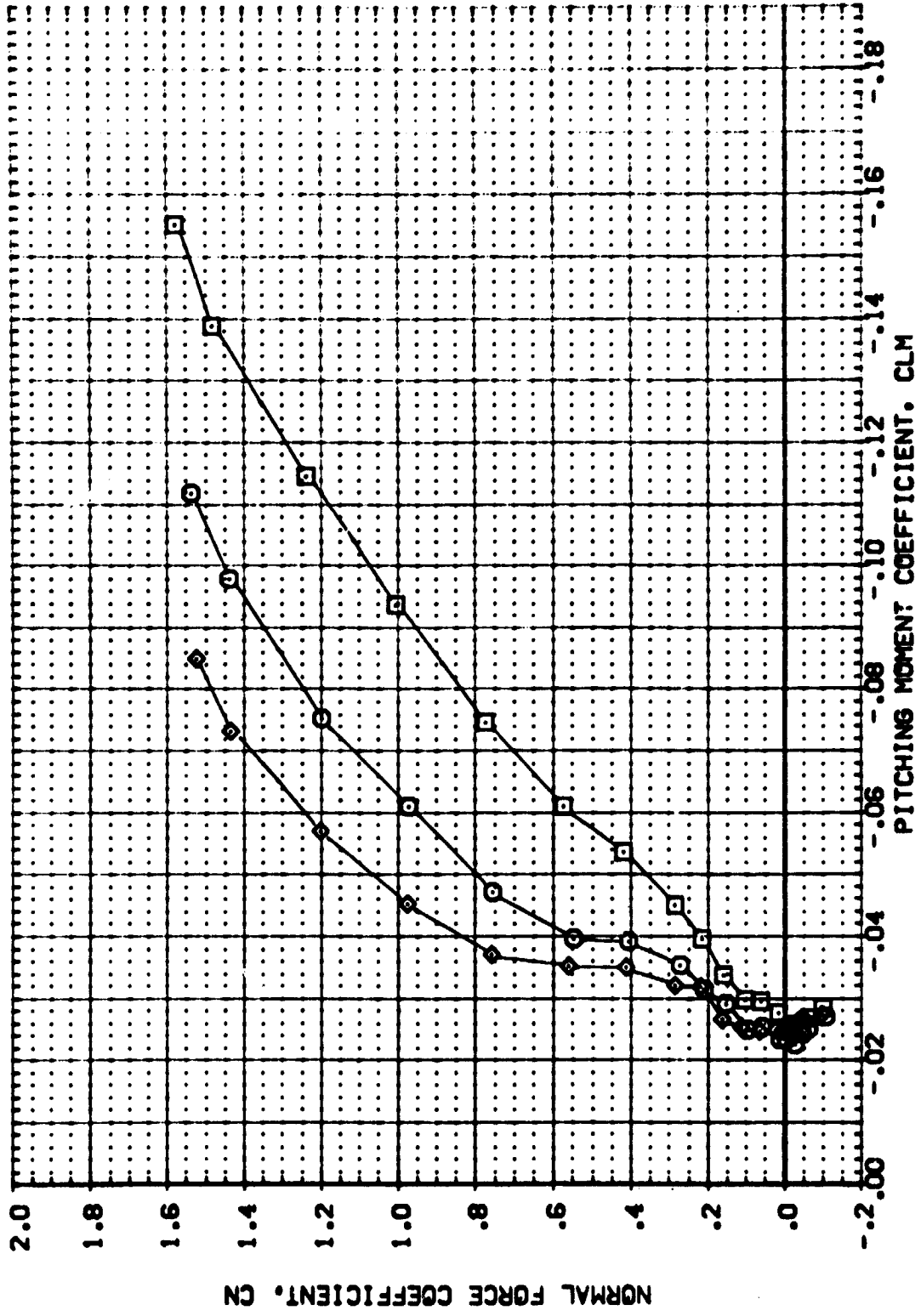
REFERENCE INFORMATION: 50. IN. IN-OSES  
 87.1560 IN-OSES  
 7.1220 IN-OSES  
 14.0502 IN-OSES  
 13.1489 IN-OSES  
 XPRP: .0000 IN-OSES  
 YPRP: .0000 IN-OSES  
 ZPRP: .0000 IN-OSES  
 SCALE: .0150 SCALE



BODY FLAP DEFLECTED -898 CONFIG

(B)MACH = 3.90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RPNED7)	DA44 UPVT 1035 CONF-2A B10C307MGF41W7E18P5V3X16	.000	.000	54.520	.000	SREF 87.1580
(RPNED8)	DA44 UPVT 1035 CONF-2A B10C307MGF41W7E18P5V3X16	.000	13.750	54.520	.000	LREF 7.1230
(RPNED9)	DA44 UPVT 1035 CONF-2A B10C307MGF41W7E18P5V3X16	.000	-14.250	54.520	.000	BREF 14.0502
						XPRP 13.1469
						ZPRP .0000
						ZPRP 6.0000
						SCALE .0150



BODY FLAP DEFLECTED -898 CONFIG

(C)MACH = 4.60

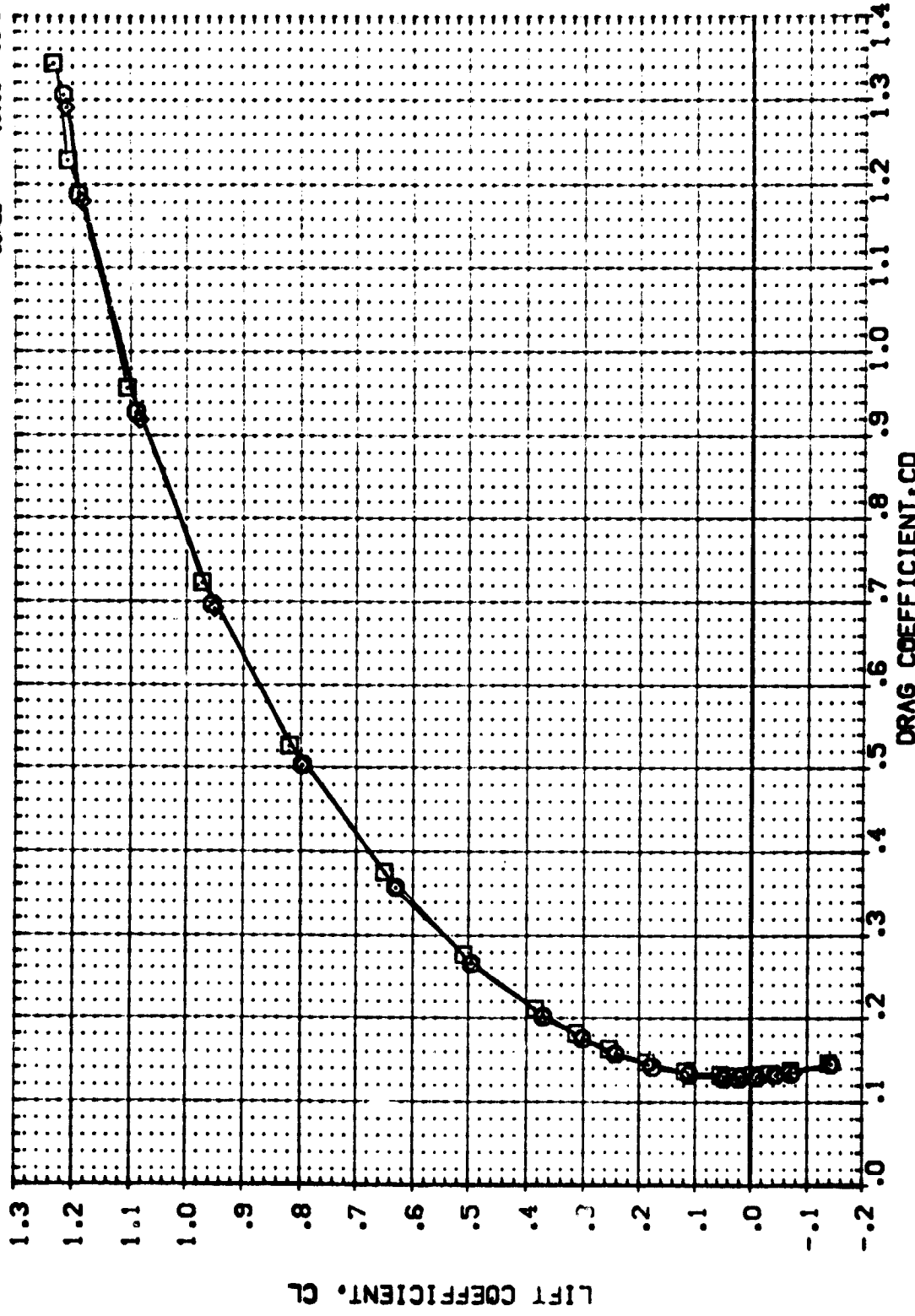
DATA SET SYMBOL CONFIGURATION DESCRIPTION

0A14 UPVT 1035 CONF-2A B10C5D7M3F4W67E18W6V3X18  
 0A14 UPVT 1035 CONF-2A B10C5D7M3F4W67E18W6V3X18  
 0A14 UPVT 1035 CONF-2A B10C5D7M3F4W67E18W6V3X18

ELEVTR 80FLAP 80SPBRK RUDDER

REFERENCE INFORMATION

SREF 87.1560 50. IN.  
 LREF 7.1270 IN-OES  
 XPRP 14.0502 IN-OES  
 YPRP 13.1468 IN-OES  
 ZPRP 6.0000 IN-OES  
 SCALE .0150 SCALE

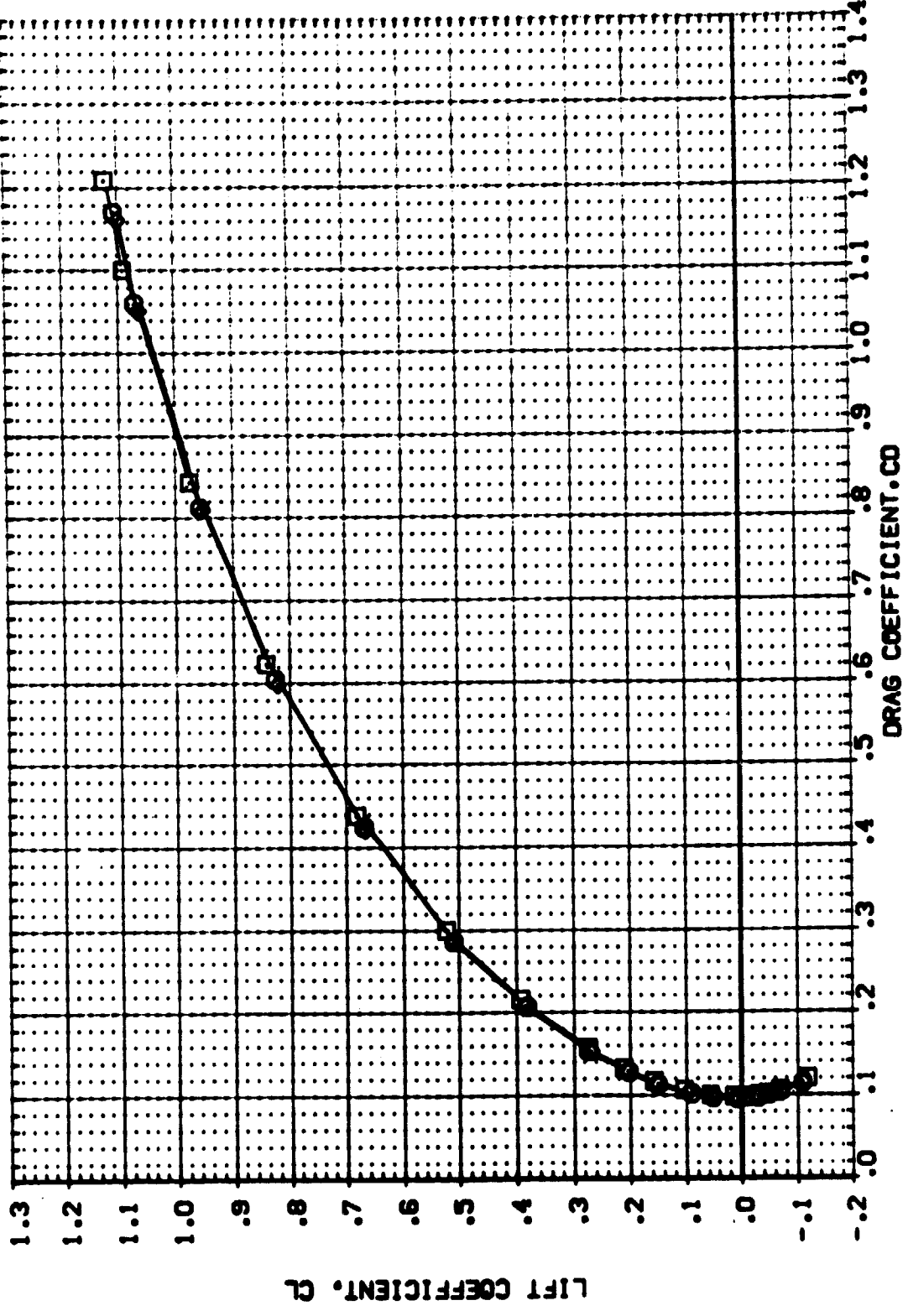


DRAG COEFFICIENT-CD

BODY FLAP DEFLECTED -898 CONFIG

(M)MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDLAP	SPUSK	FLDDBR	REFERENCE INFORMATION
{ SPIN77 }	0444 UPVT 1035 CONF-2A B1025070F4167E18P5V5X16	.000	.000	54.520	.000	SREF 97.1500
{ SPIN88 }	0444 UPVT 1035 CONF-2A B1025070F4167E18P5V5X16	.000	13.750	54.520	.000	LREF 7.1200
{ SPIN99 }	0444 UPVT 1035 CONF-2A B1025070F4167E18P5V5X16	.000	-14.250	54.520	.000	BREF 14.0500
						XTRP 13.1465
						YTRP .0000
						ZTRP 6.0000
						SCALE .0150



BODY FLAP DEFLECTED -898 CONFIG  
(8)MACH = 3.90





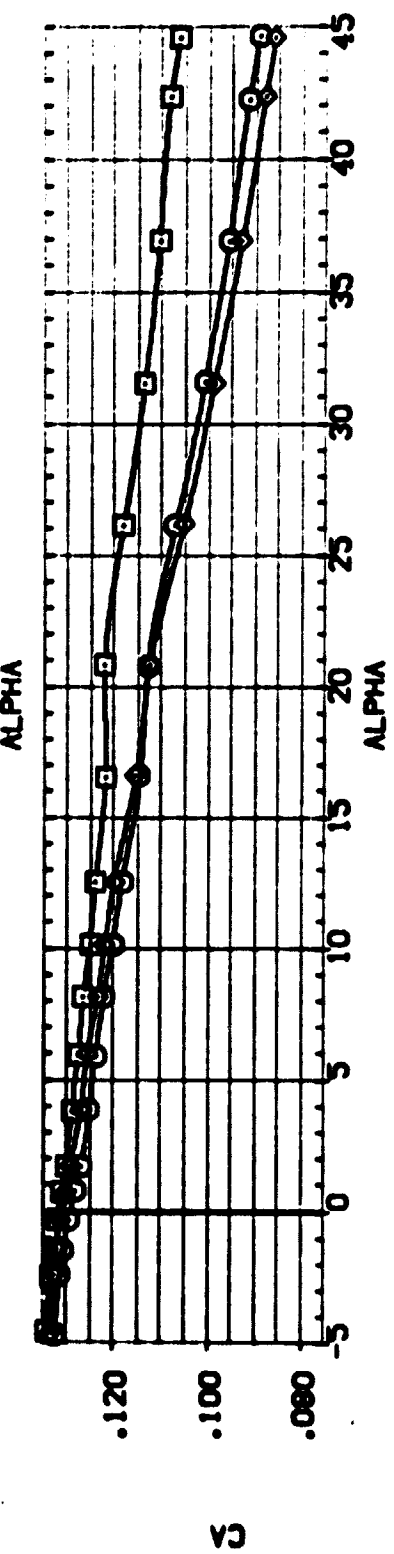
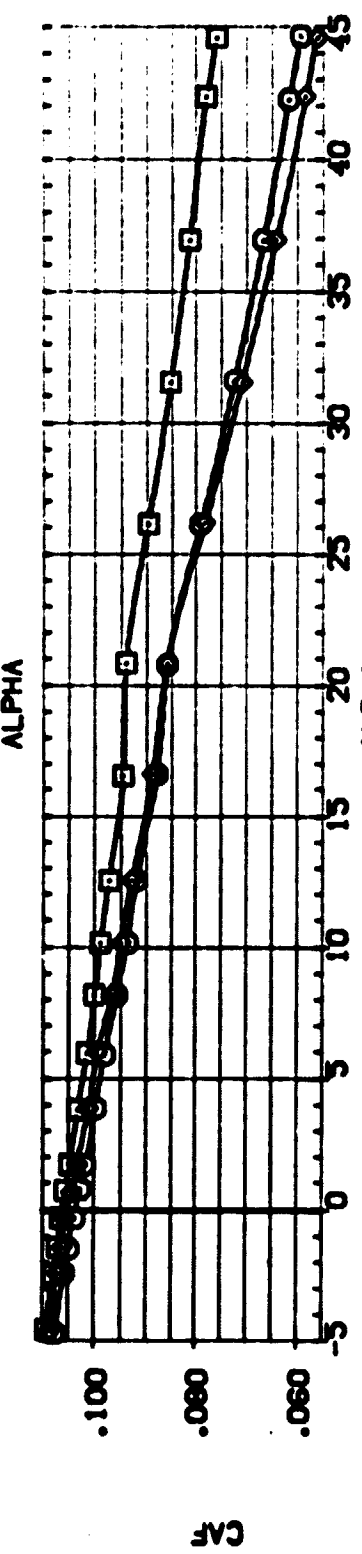
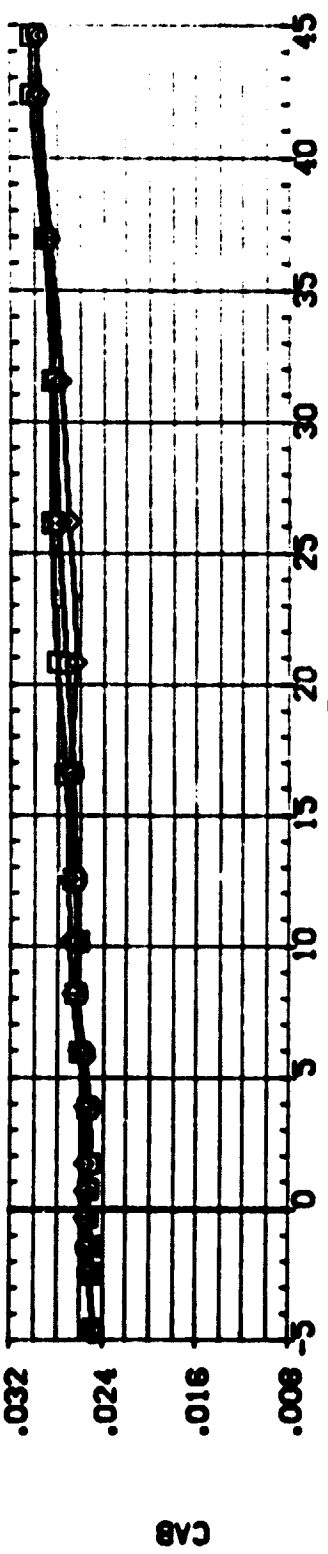
DATA SET SYMBOL CONFIGURATION DESCRIPTION REFERENCE INFORMATION

87.1360	50. IN
7.1220	IN-OES
14.0502	IN-OES
13.1468	IN-OES
0.0000	IN-OES
0.0000	IN-OES
0.0150	SCALE

SPRFLAP	FLUDER
0.000	0.000
0.000	0.000
0.000	0.000

ELEVTR	SDFLAP	SPRDK	SPRFLAP
0.000	0.000	54.820	54.820
0.000	13.750	54.820	54.820
0.000	-14.250		

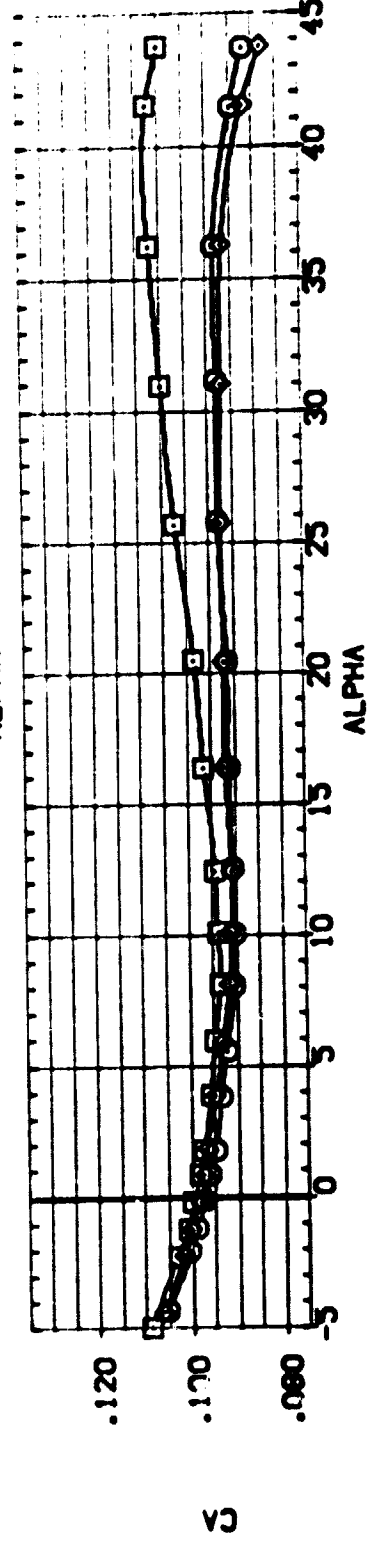
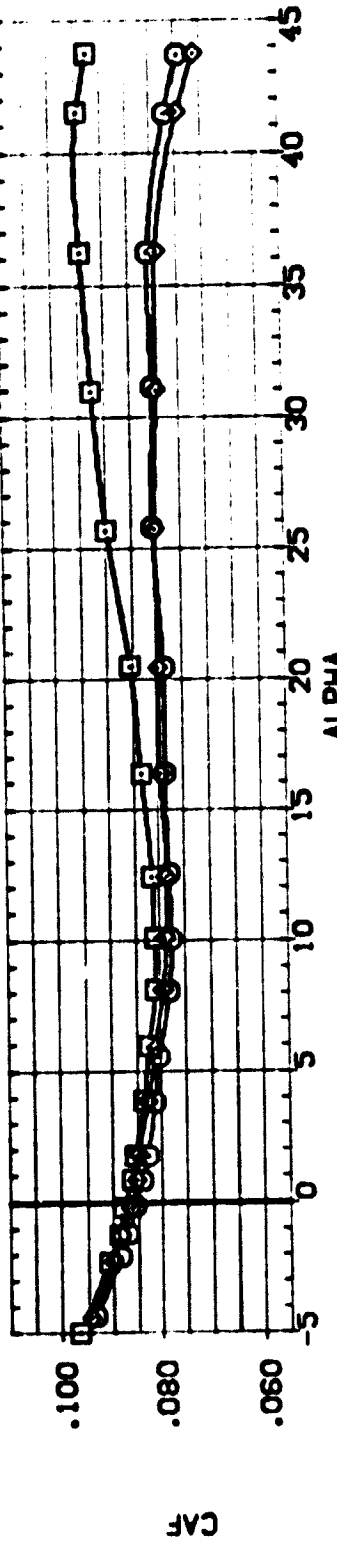
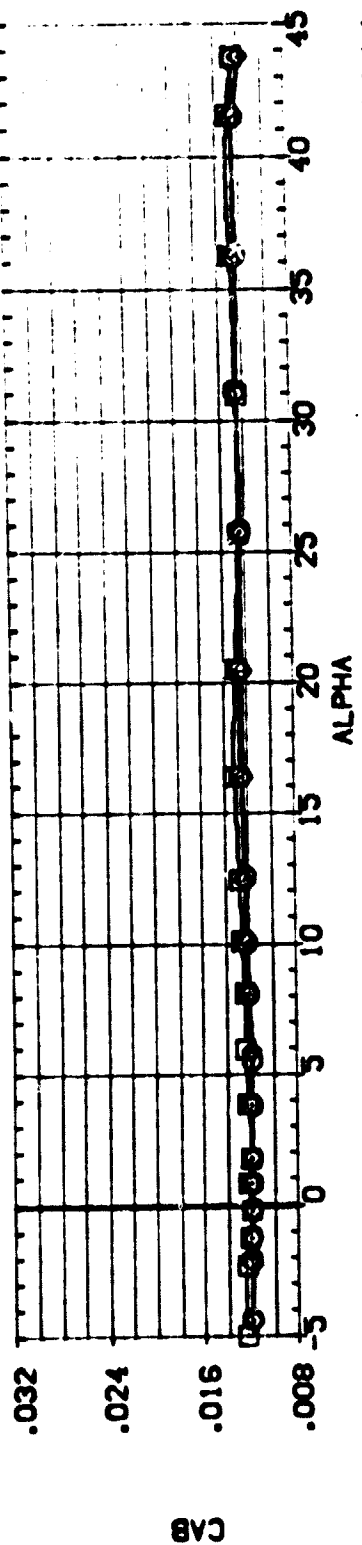
DATA UNIT	1005	CONF-2A	BI0C507M03	4M07E	BI0M0X18
DATA UNIT	1005	CONF-2A	BI0C507M03	4M07E	BI0M0X18
DATA UNIT	1005	CONF-2A	BI0C507M03	4M07E	BI0M0X18



BODY FLAP DEFLECTED -898 CONFIG

(A)MACH = 2.50

DATA SET SYMBOL:  $\square$   $\circ$   
 CONFIGURATION DESCRIPTION:  
 DATA UPVT 1005 CONF-2A 81003070F AWTGTE 18895X16  
 DATA UPVT 1005 CONF-2A 81003070F AWTGTE 18895X16  
 DATA UPVT 1005 CONF-2A 81003070F AWTGTE 18895X16  
 REFERENCE INFORMATION:  
 SREF 87.1560 50. IN.  
 LREF 7.1720 IN.OSES  
 XREF 14.0502 IN.OSES  
 YREF 13.1488 IN.OSES  
 ZREF 6.0000 IN.OSES  
 TRAP 6.0000 IN.OSES  
 SCALE .0150 SCALE



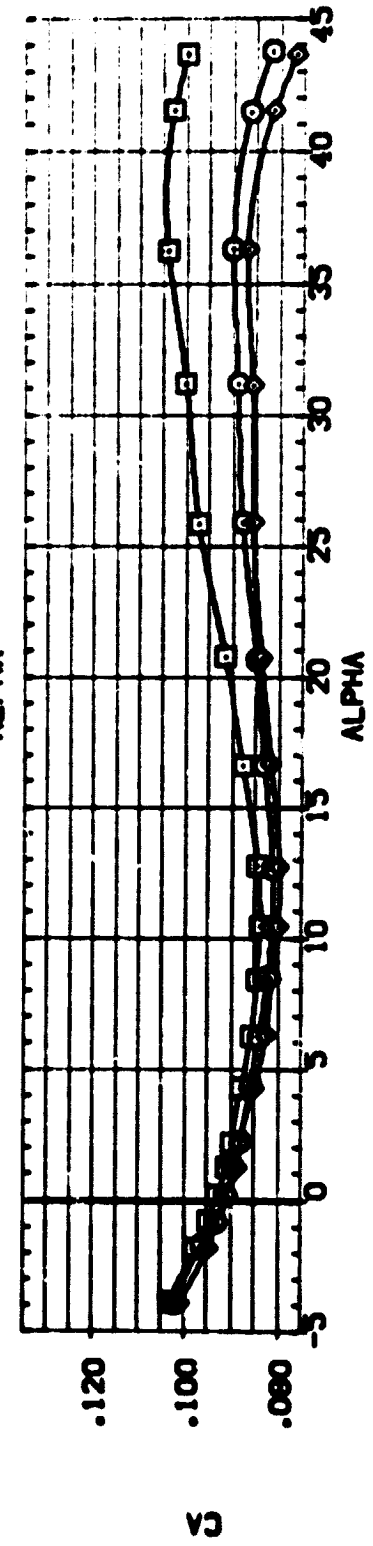
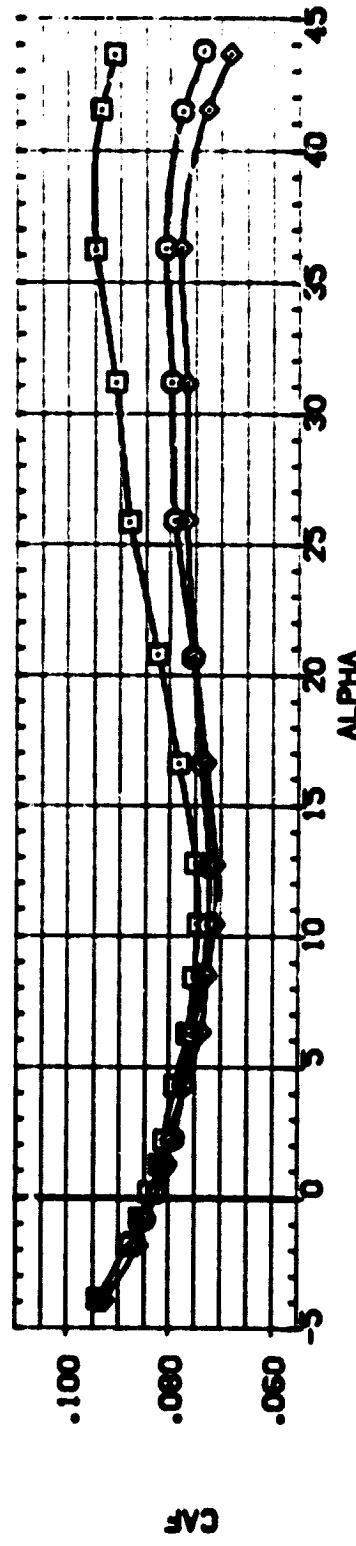
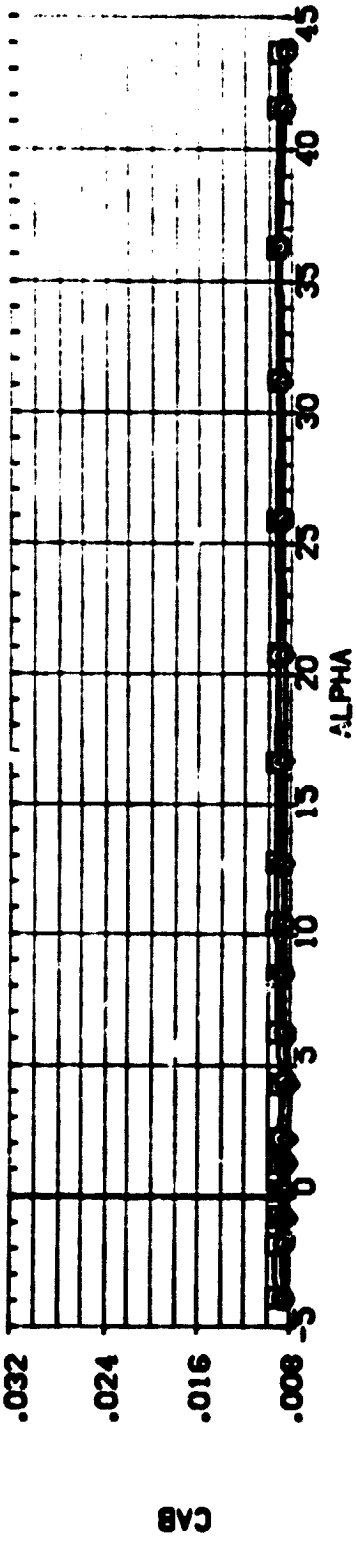
BODY FLAP DEFLECTED - 898 CONFIG  
 (B)MACH = 3.90

DATA SET SYMBOL    CONFIGURATION DESCRIPTION    REFERENCE INFORMATION

{ 89807 }	DATA UPVT 1005 CDF-2A BLOCSDMG-NW7E   BLOCSDMG-SE7E	REF 87.1500	90. IN
{ 89808 }	DATA UPVT 1005 CDF-2A BLOCSDMG-NW7E   BLOCSDMG-SE7E	REF 7.1220	INODES
{ 89809 }	DATA UPVT 1005 CDF-2A BLOCSDMG-NW7E   BLOCSDMG-SE7E	REF 14.0000	INODES
		REF 13.1400	INODES
		REF 0.0000	INODES
		REF 0.0000	INODES
		REF 0.0000	INODES
		REF 0.0150	SCALE

ELEVTR    EDLFLAP    SPDRBK    FLODER

.000	.000	54.500	.000
.000	13.750	54.500	.000
.000	-14.250	54.500	.000



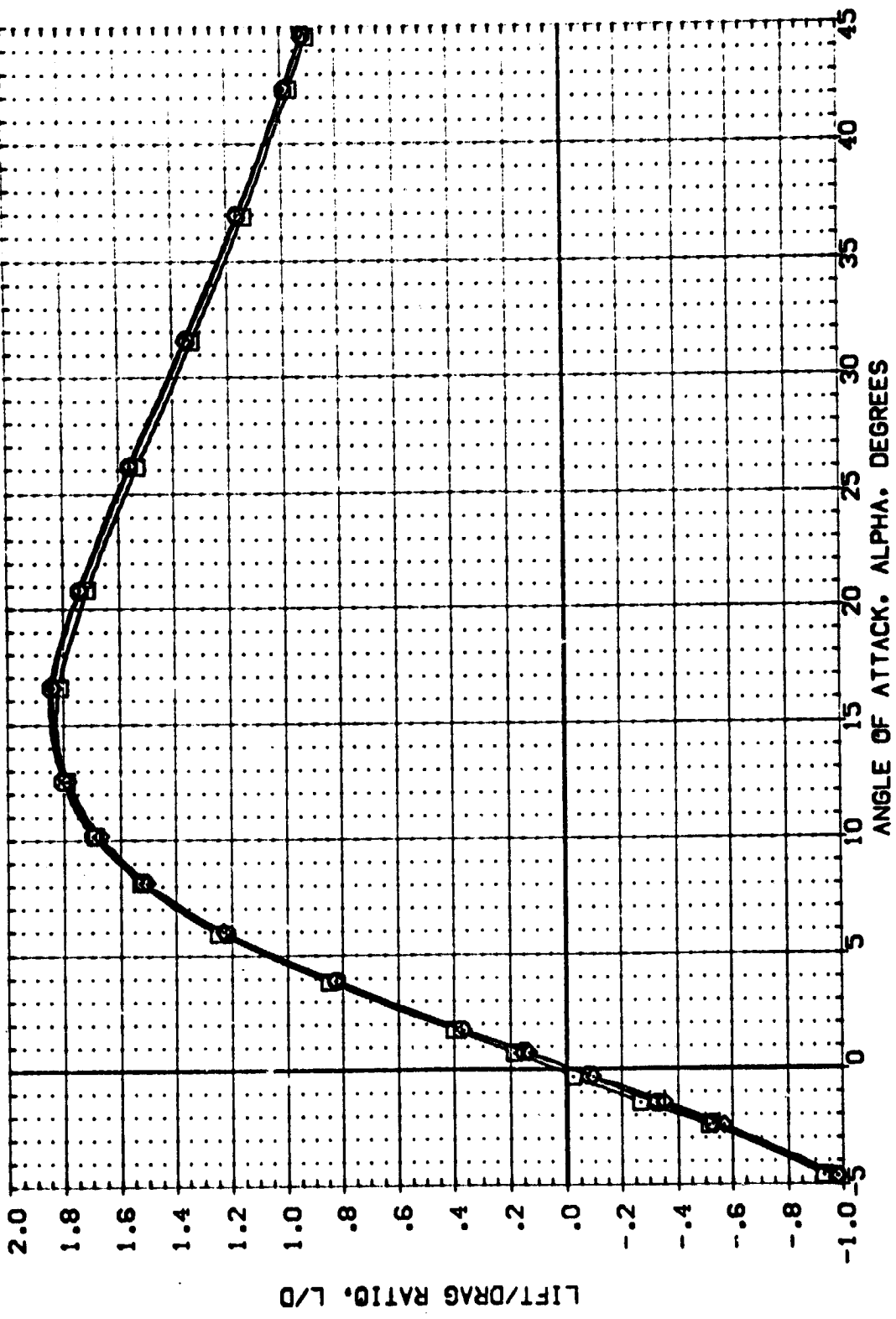
BODY FLAP DEFLECTED -898 CONFIG

(C)MACH = 4.60

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNP07) □ 0A14 UPVT 1035 CONF-2A B100S0703-A187E | BRS/SX18  
 (RNP08) ◇ 0A14 UPVT 1035 CONF-2A B100S0703-A187E | BRS/SX18  
 (RNP02) ◇ 0A14 UPVT 1035 CONF-2A B100S0703-A187E | BRS/SX18

ELEVTR BOFLAP SPOBRK RUDDER  
 .000 .000 54.920 .000  
 .000 13.750 54.920 .000  
 .000 -14.250 54.920 .000

REFERENCE INFORMATION  
 SREF 87.1560 SQ.IN.  
 LREF 7.1270 INCHES  
 BREF 14.0532 INCHES  
 XPRP 13.1459 INCHES  
 YPRP .0000 INCHES  
 ZPRP 6.0000 INCHES  
 SCALE .0150 SCALE



ANGLE OF ATTACK, ALPHA, DEGREES

BODY FLAP DEFLECTED -89B CONFIG  
 CAJMACB = 2.50

DATA SET SYMBOL    CONFIGURATION DESCRIPTION

(RPA07)    DATA UPVT 1035 CONF-2A B10CS07H3F1A87E18R5V5X18

(RPA08)    DATA UPVT 1035 CONF-2A B10CS07H3F1A87E18R5V5X18

(RPA02)    DATA UPVT 1035 CONF-2A B10CS07H3F1A87E18R5V5X18

ELEVTR    BDFLAP    SPOBRK    RUDDER

.000       .000       54.920    .000

.000       .000       54.920    .000

.000       -14.250    54.920    .000

REFERENCE INFORMATION

SREF       87.1560    SQ. IN.

LREF       7.1220    IN.-ES

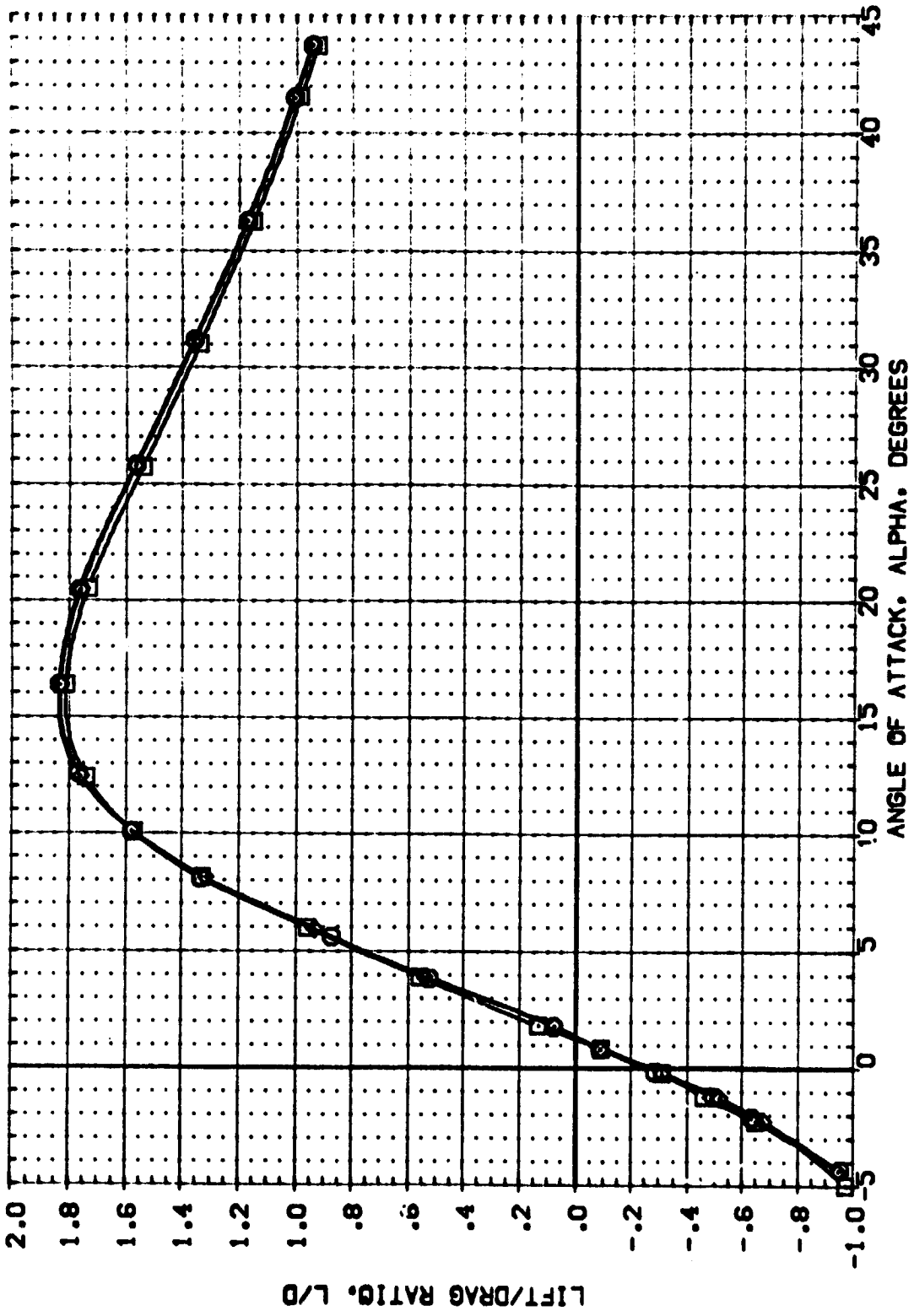
BREF       14.0502    IN.-ES

XMRP       13.1469    IN.-ES

YMRP       6.0000    IN.-ES

ZMRP       6.0000    IN.-ES

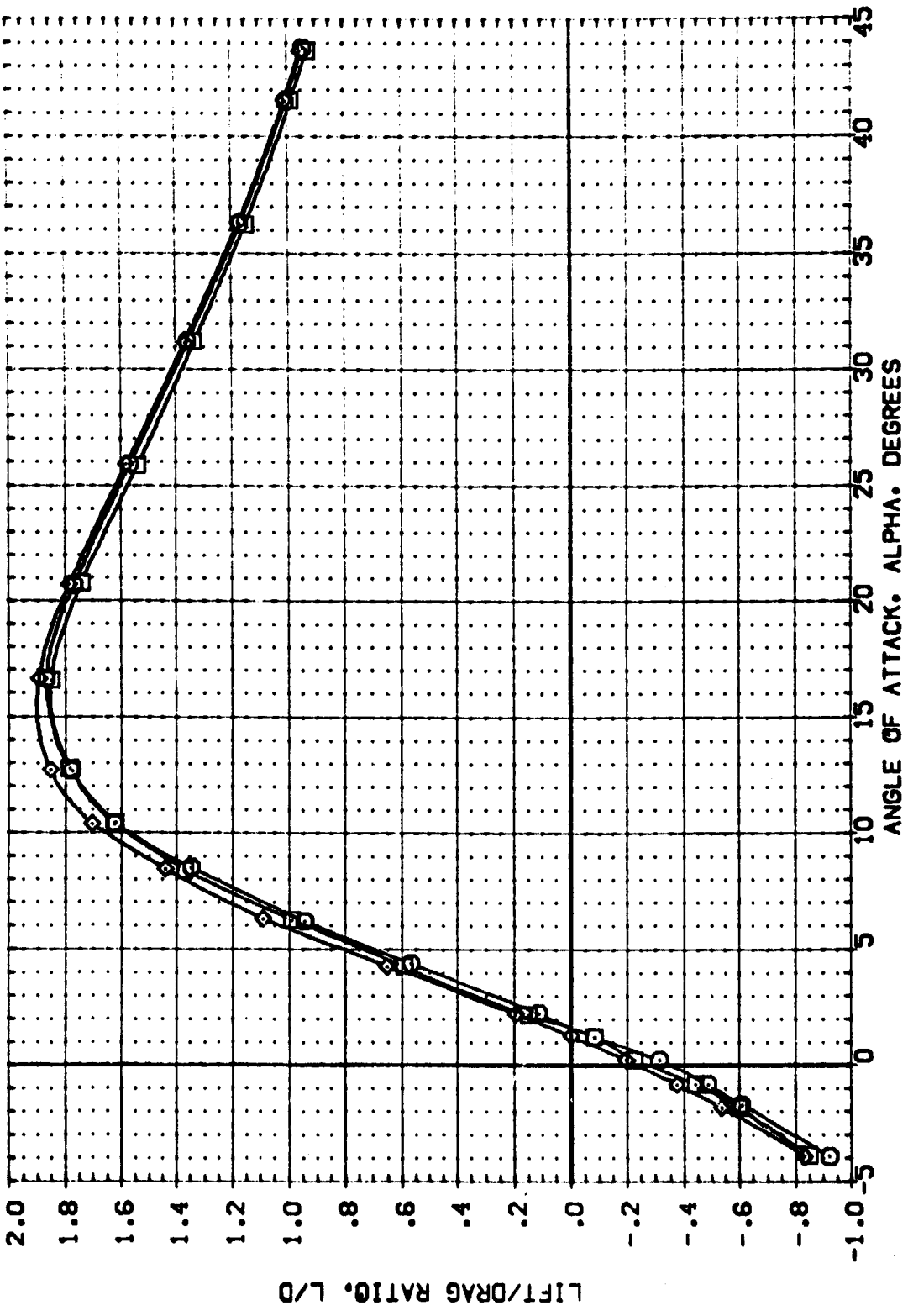
SCALE       .0150    SCALE



BODY FLAP DEFLECTED -89B CONFIG

(B)MACH = 3.90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BOFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RPAF07)	DA44 LPVT 1035 CONF-2A B1DC307CF-4W67E18R5V3X18	.000	.000	54.920	.000	SREF .87.1560 SQ.IN.
(RPAF08)	DA44 LPVT 1035 CONF-2A B1DC307CF-4W67E18R5V3X18	.000	13.750	54.920	.000	LREF 7.1220 INCHES
(RPAF02)	DA44 LPVT 1035 CONF-2A B1DC307CF-4W67E18R5V3X18	.000	-14.250	54.920	.000	BREF 14.0502 INCHES
						YWRP 13.1469 INCHES
						ZWRP .0000 INCHES
						SCALE 6.0000 INCHES
						SCALE .0150



BODY FLAP DEFLECTED -89B CONFIG

(C)MACH = 4.60

DATA SET SYMBOL CONFIGURATION DESCRIPTION

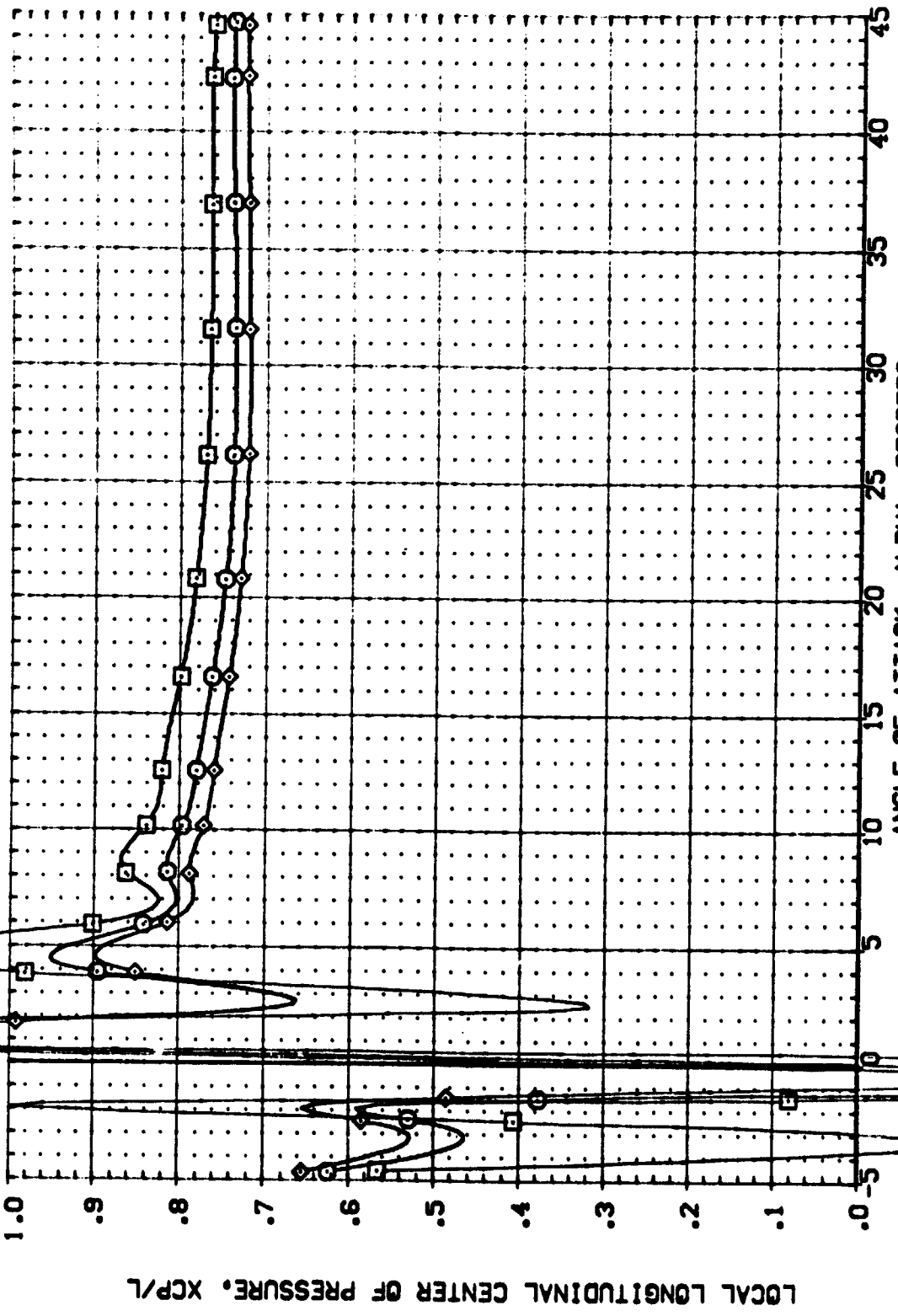
(RPA007)	0A44 UPV	1005	CONF -2A	B10C5D7MCF	AV87E	BR5V5X16
(RPA008)	0A44 UPV	1005	CONF -2A	B10C5D7MCF	AV87E	BR5V5X16
(RPA002)	0A44 UPV	1005	CONF -2A	B10C5D7MCF	AV87E	BR5V5X16

REFERENCE INFORMATION

SREF	87.1560	50. IN.
LREF	7.1200	IN-OES
BREF	14.0502	IN-OES
XTRP	13.1468	IN-OES
ZTRP	6.0000	IN-OES
SCALE	.0150	SCALE

ELEVTR BDFLAP SPOBRK RUDDER

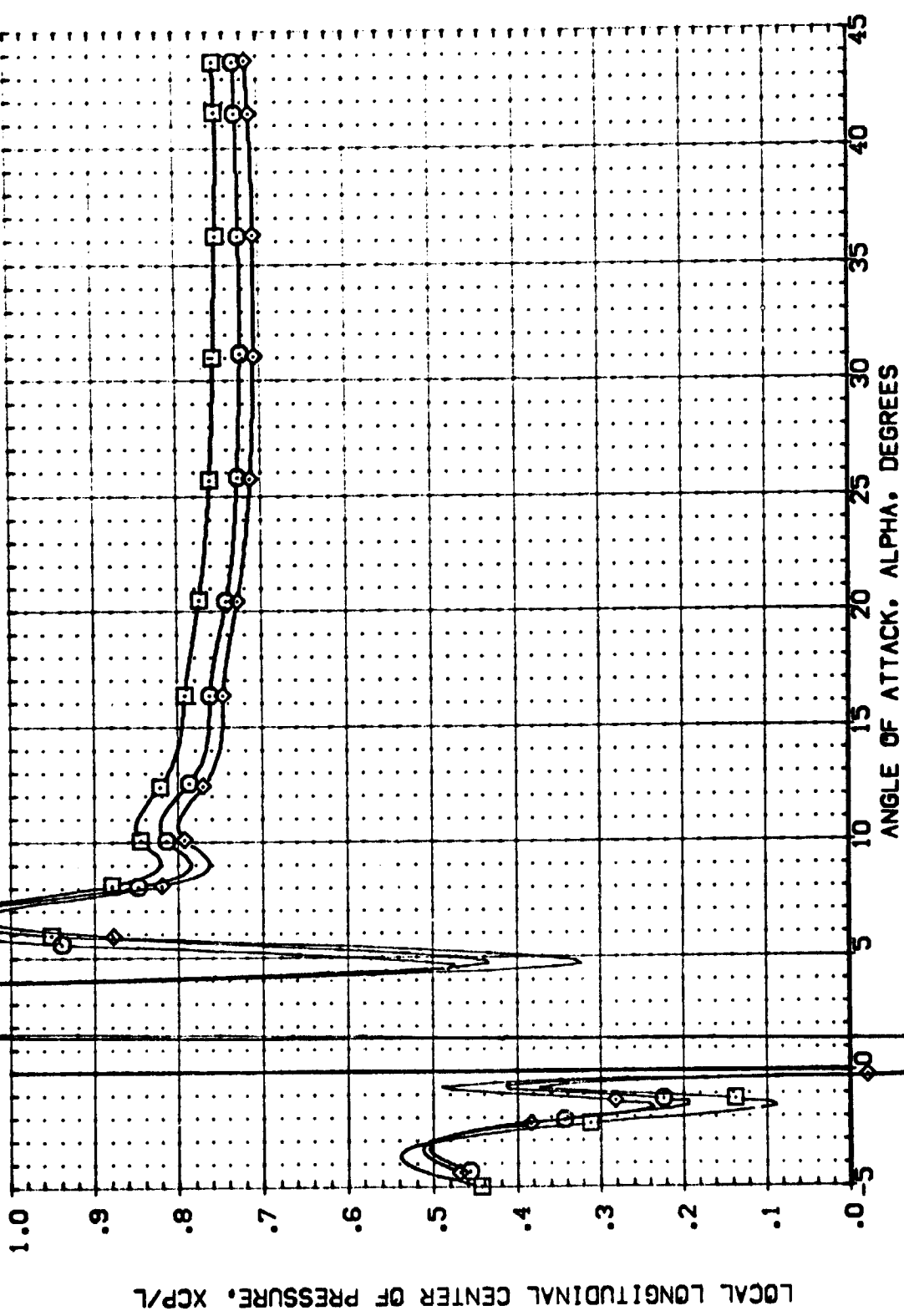
ELEVTR	.000	SPOBRK	54.920	RUDDER	.000
BDFLAP	.000	SPOBRK	54.920	RUDDER	.000
BDFLAP	-14.250	SPOBRK	54.920	RUDDER	.000



BODY FLAP DEFLECTED -89B CONFIG

(M)MACH = 2.50

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION	ELEVTR	BOFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RNP07)	0444 UPV	1033 CONF 2A B10C307H3F-4V87E18R5VX18	.000	.000	54.920	.000	SREF 87.1560
(RNP08)	0444 UPV	1033 CONF 2A B10C307H3F-4V87E18R5VX18	.000	13.750	54.920	.000	LREF 7.1220
(RNP02)	0444 UPV	1033 CONF 2A B10C307H3F-4V87E18R5VX18	.000	-14.250	54.920	.000	BREF 14.0502
							XPRP 13.1469
							YPRP .0000
							ZPRP 6.0000
							SCALE .0150



BODY FLAP DEFLECTED -89B CONFIG

(B)MACH = 3.90





DATA SET SYMBL. CONFIGURATION DESCRIPTION

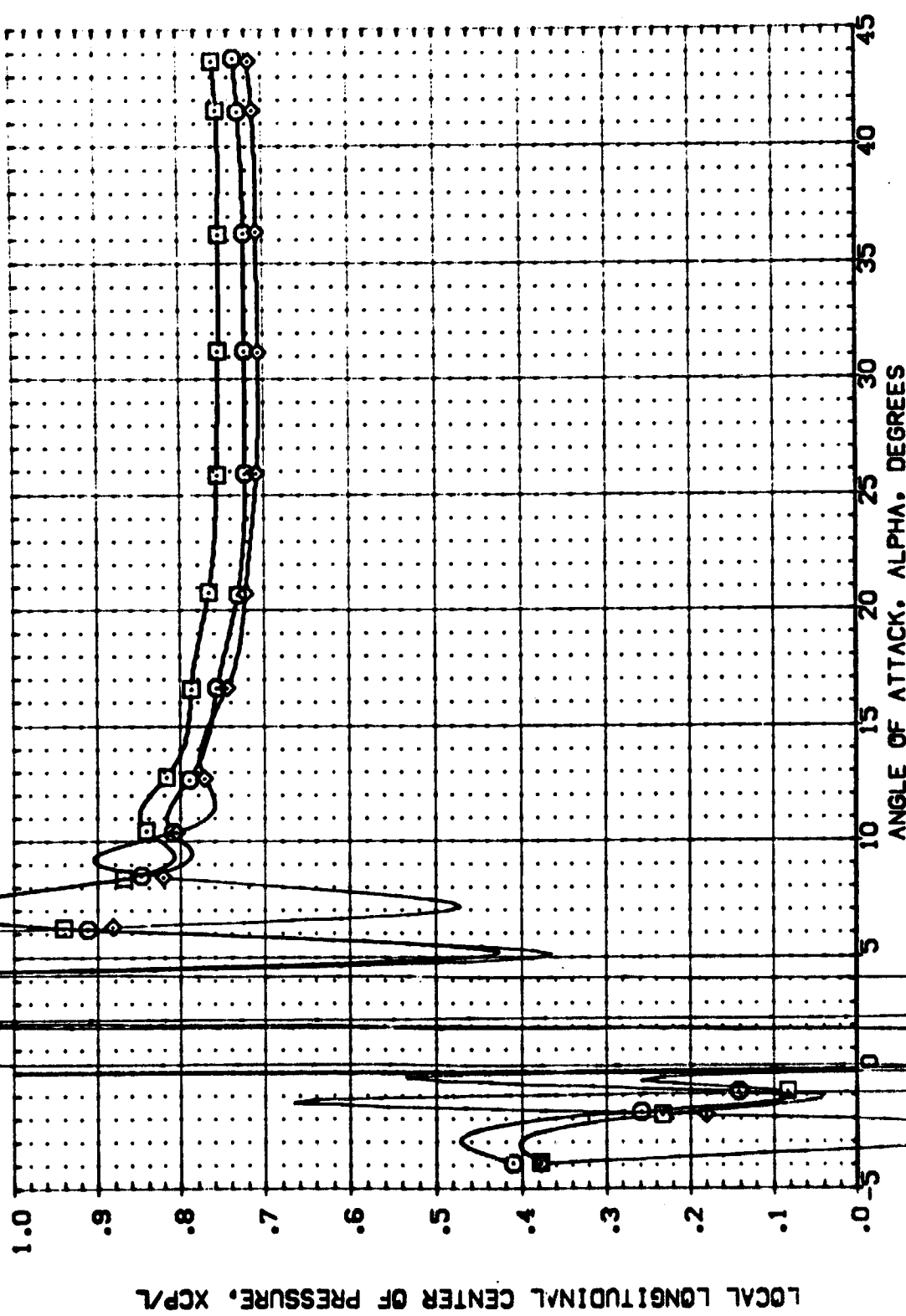
(RPR07)	0444 UPVT	1035 CONFG-2A	B10CS07HG-4WB7E	8R5V5X18
(RPR08)	0444 UPVT	1035 CONFG-2A	B10CS07HG-4WB7E	8R5V5X18
(RPR02)	0444 UPVT	1035 CONFG-2A	B10CS07HG-4WB7E	8R5V5X18

ELEVTR BDFLAP SPDRBK RUDDER

.000	.000	54.520	.000
.000	13.750	54.520	.000
.000	-14.250	54.520	.000

REFERENCE INFORMATION

SREF	67.1560	50. IN.
LREF	7.1270	INCHES
BREF	14.0502	INCHES
XTRP	13.1469	INCHES
YTRP	.0000	INCHES
ZTRP	6.0000	INCHES
SCALE	.0150	SCALE



LOCAL LONGITUDINAL CENTER OF PRESSURE, XCP/L

ANGLE OF ATTACK, ALPHA, DEGREES

BODY FLAP DEFLECTED -89B CONFIG  
(C)MACH = 0.60

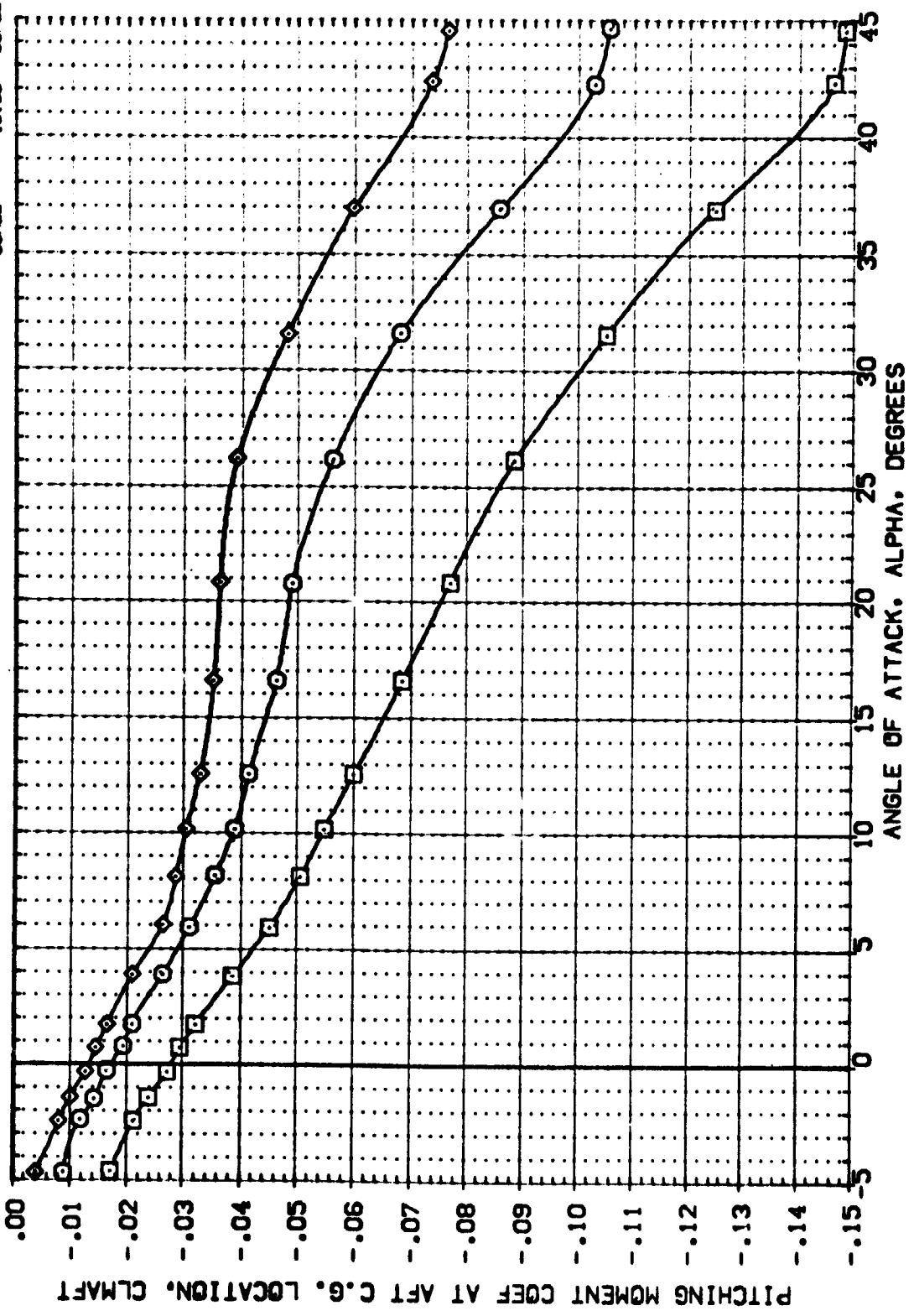
DATA SET SYMBOL: {HPAG07} {HPAG08} {HPAG02}

CONFIGURATION DESCRIPTION:  
 0A44 UPVT 1005 CONF-2A 81003070F-1A67E | 8R3V5X16  
 0A44 UPVT 1005 CONF-2A 81003070F-1A67E | 8R3V5X16  
 0A44 UPVT 1005 CONF-2A 81003070F-1A67E | 8R3V5X16

ELEVTR: .000  
 EDFLAP: .000  
 SPOBRK: 54.920  
 RUDDER: .000

REFERENCE INFORMATION:  
 SREF: 87.5600  
 LREF: 7.1220  
 XMRP: 14.0502  
 YMRP: 13.5454  
 ZMRP: .0000  
 SCALE: 6.0000

SO. IN: 50. IN.  
 IN-ES: IN-ES  
 IN-ES: IN-ES  
 IN-ES: IN-ES  
 IN-ES: IN-ES  
 SCALE: SCALE



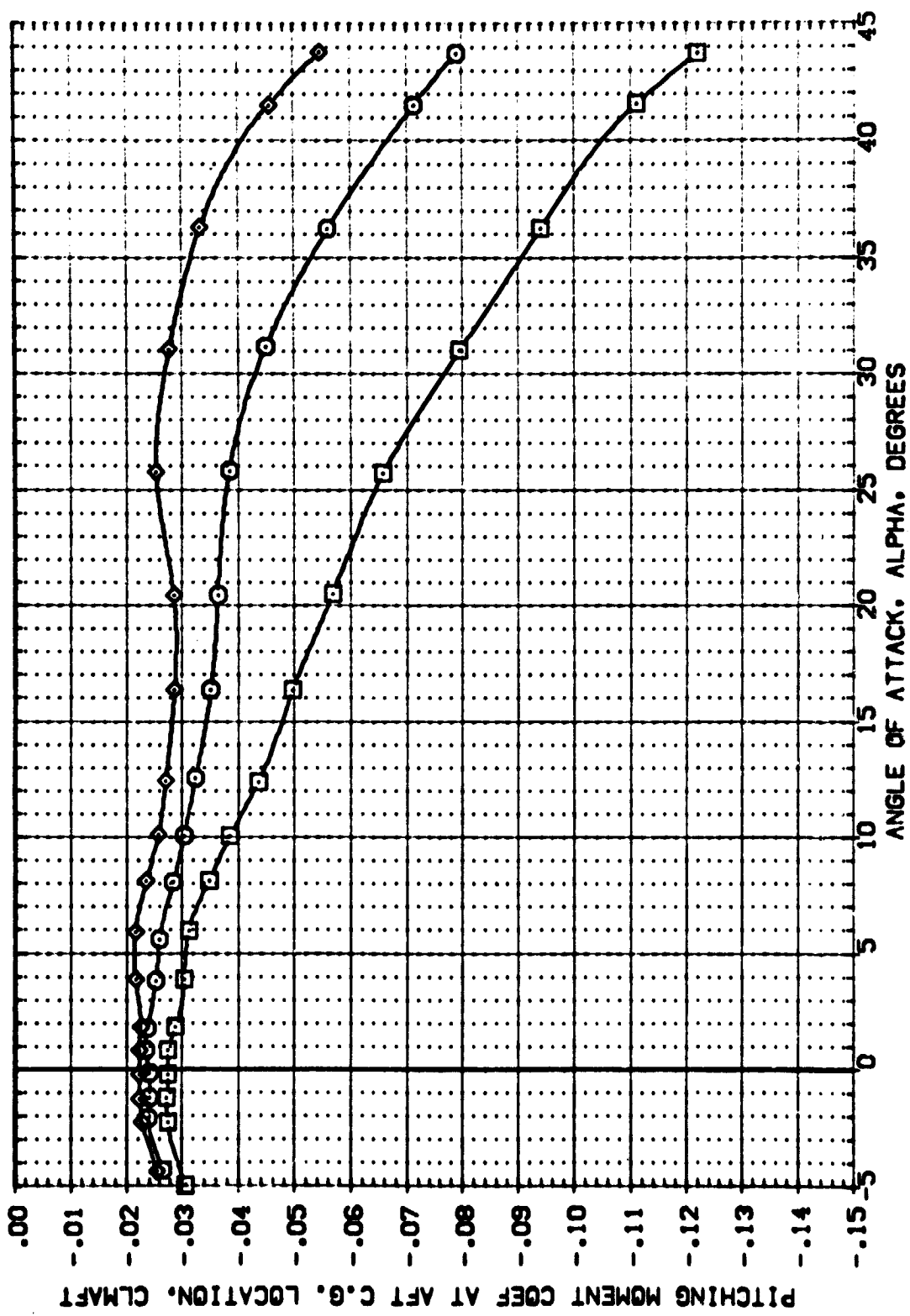
BODY FLAP DEFLECTED -898 CONFIG

(A)MACH = 2.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 {MP007} 0A44 UPVT 1003 CONF-2A BLOCSDTHF-AV87E18RVSX18  
 {MP008} 0A44 UPVT 1003 CONF-2A BLOCSDTHF-AV87E18RVSX18  
 {MP009} 0A44 UPVT 1003 CONF-2A BLOCSDTHF-AV87E18RVSX18

ELEVTR EDLAP SPOBRK RUDDER  
 .000 .000 .000 .000  
 .000 13.750 54.820 54.820  
 .000 -14.750 54.820 54.820

REFERENCE INFORMATION  
 SREF 87.9500 SQ.IN.  
 LREF 7.1220 INCHES  
 BREF 14.0502 INCHES  
 XPRP 13.5454 INCHES  
 YPRP .0000 INCHES  
 ZPRP 6.0000 INCHES  
 SCALE .0150 SCALE



BODY FLAP DEFLECTED -99R CONFIG

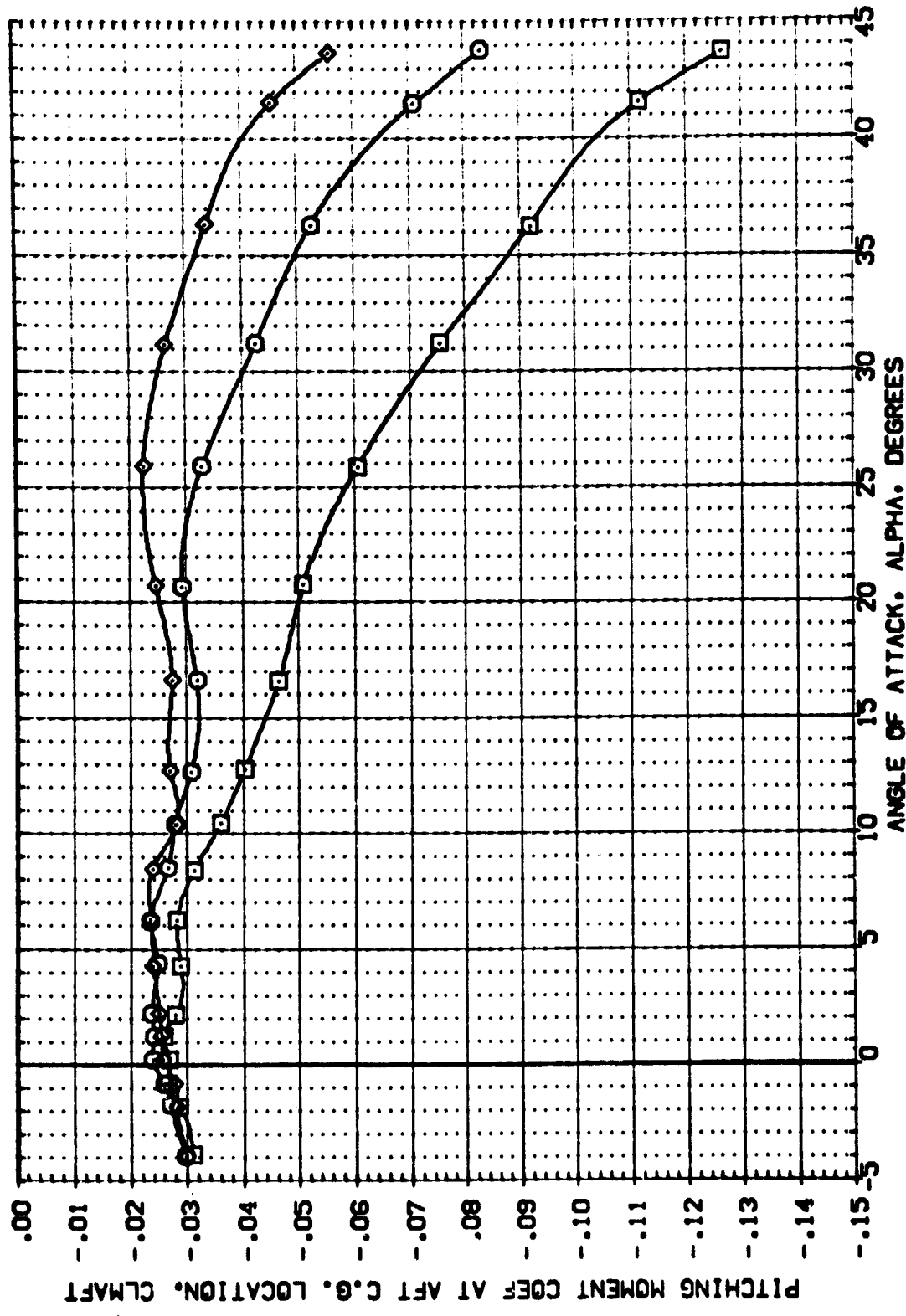
(3)MACH = 3.90

DATA SET SYMBOL: {MP007} {MP008} {MP002}

CONFIGURATION DESCRIPTION:  
 0A44 UPVT 1005 CONF-2A B10C3D7M7F4V67E18R5V3X18  
 0A44 UPVT 1005 CONF-2A B10C3D7M7F4V67E18R5V3X18  
 0A44 UPVT 1005 CONF-2A B10C3D7M7F4V67E18R5V3X18

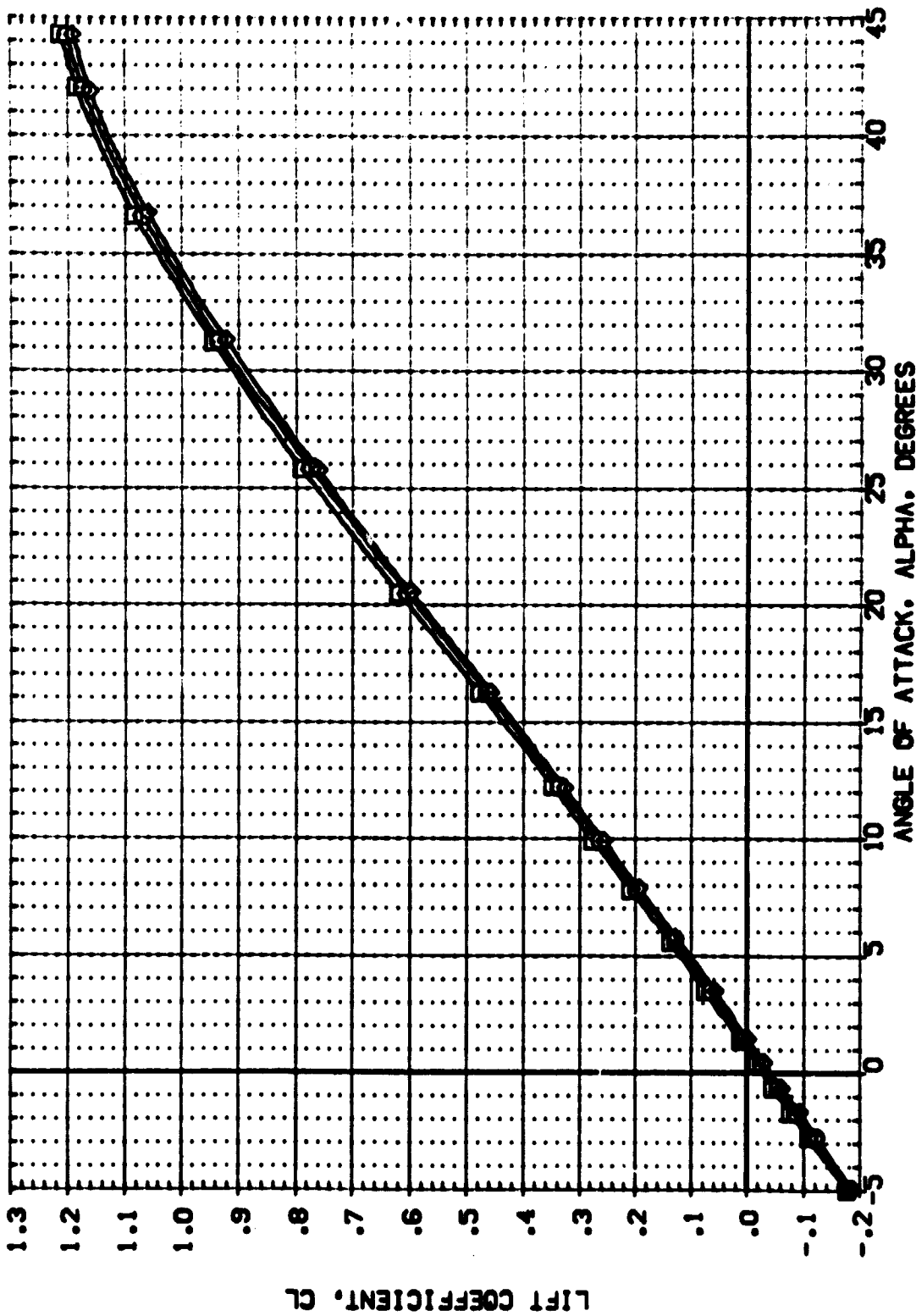
ELEVTR 80FLAP SPOBRK RUDDER  
 .000 .000 .000  
 .000 .000 .000  
 .000 -13.750 54.920  
 .000 -14.250 54.920

REFERENCE INFORMATION:  
 SREF 67.5600 50. IN.  
 LREF 7.1220 IN-OES  
 XREF 14.0502 IN-OES  
 YMRP 13.5454 IN-OES  
 ZMRP .0000 IN-OES  
 SCALE 6.0000 IN-OES  
 .0150 SCALE



BODY FLAP DEFLECTED -898 CONFIG  
 [C]MACH = 4.60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDTLAP	SPDRNK	RUDDER	REFERENCE INFORMATION
(MREZ3)	DATA UPVT 1005 CONF4	.000	.000	\$4.520	.000	SHEET 67.1590 50. IN.
(MREZ2)	DATA UPVT 1005 CONF4	.000	13.750	\$4.520	.000	LINE 7.1320 IN-OES
(MRE13)	DATA UPVT 1005 CONF4	.000	-14.250	\$4.520	.000	SHEET 14.0502 IN-OES
						XFRP 12.5772 IN-OES
						YFRP .0000 IN-OES
						ZFRP 6.0000 IN-OES
						SCALE .0150 SCALE

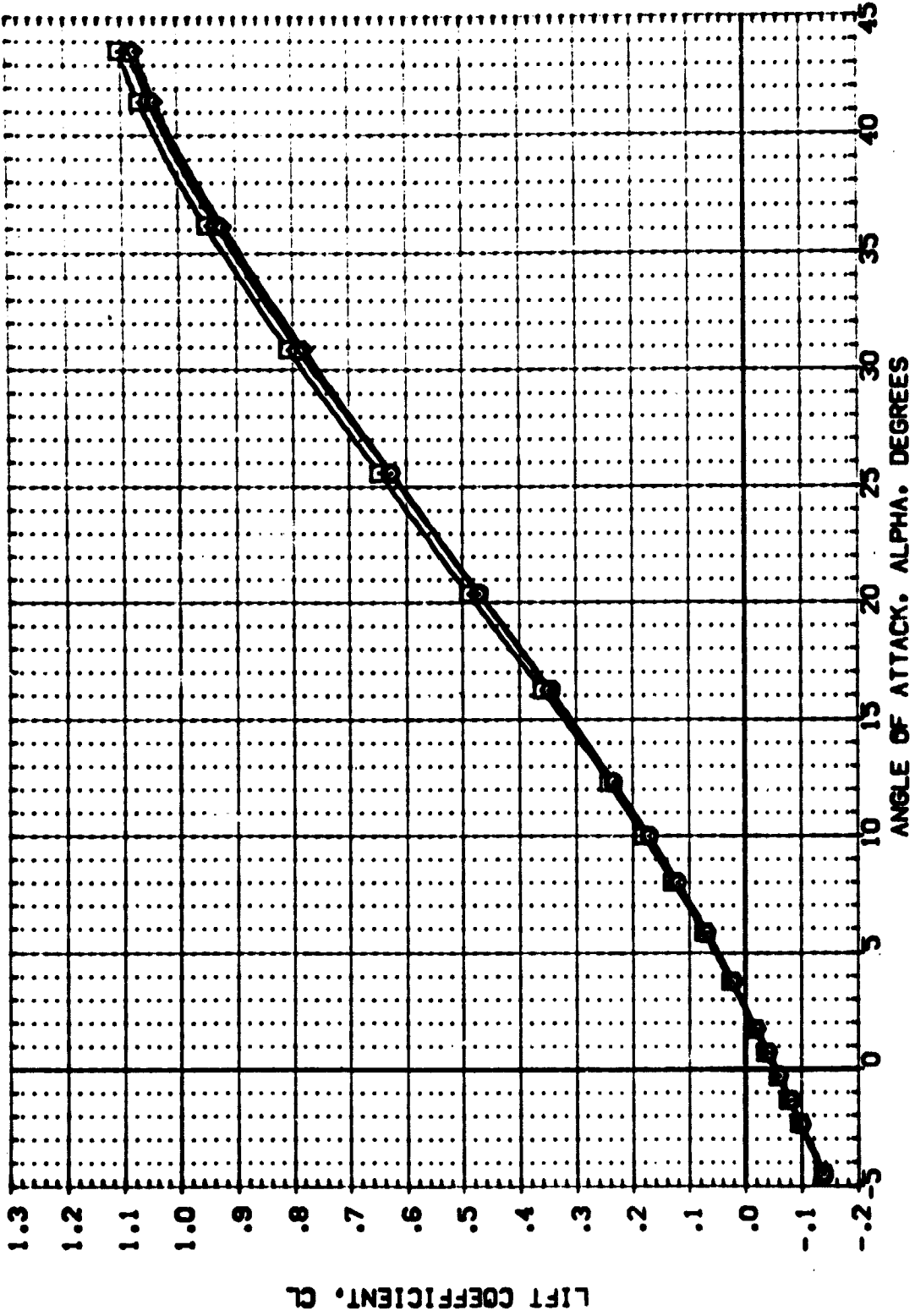


ANGLE OF ATTACK, ALPHA, DEGREES

BODY FLAP DEFLECTED -1398 CONFIG

(A)MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPOONK	FLUDDER	REFERENCE INFORMATION
(NAME21)	0444 UPVT 1005 CONF4	.000	.000	54.820	.000	REF 67.1500
(NAME22)	0444 UPVT 1005 CONF4	.000	.000	54.820	.000	LINEF 7.1200
(NAME19)	0444 UPVT 1005 CONF4	.000	-13.750	54.820	.000	LINEF 14.6500
			-14.250	54.820	.000	YWRP 12.5772
						ZWRP .0000
						SCALE 6.0000
						SCALE .0150



BODY FLAP DEFLECTED -1398 CONFIG

(B)MACH = 3.90



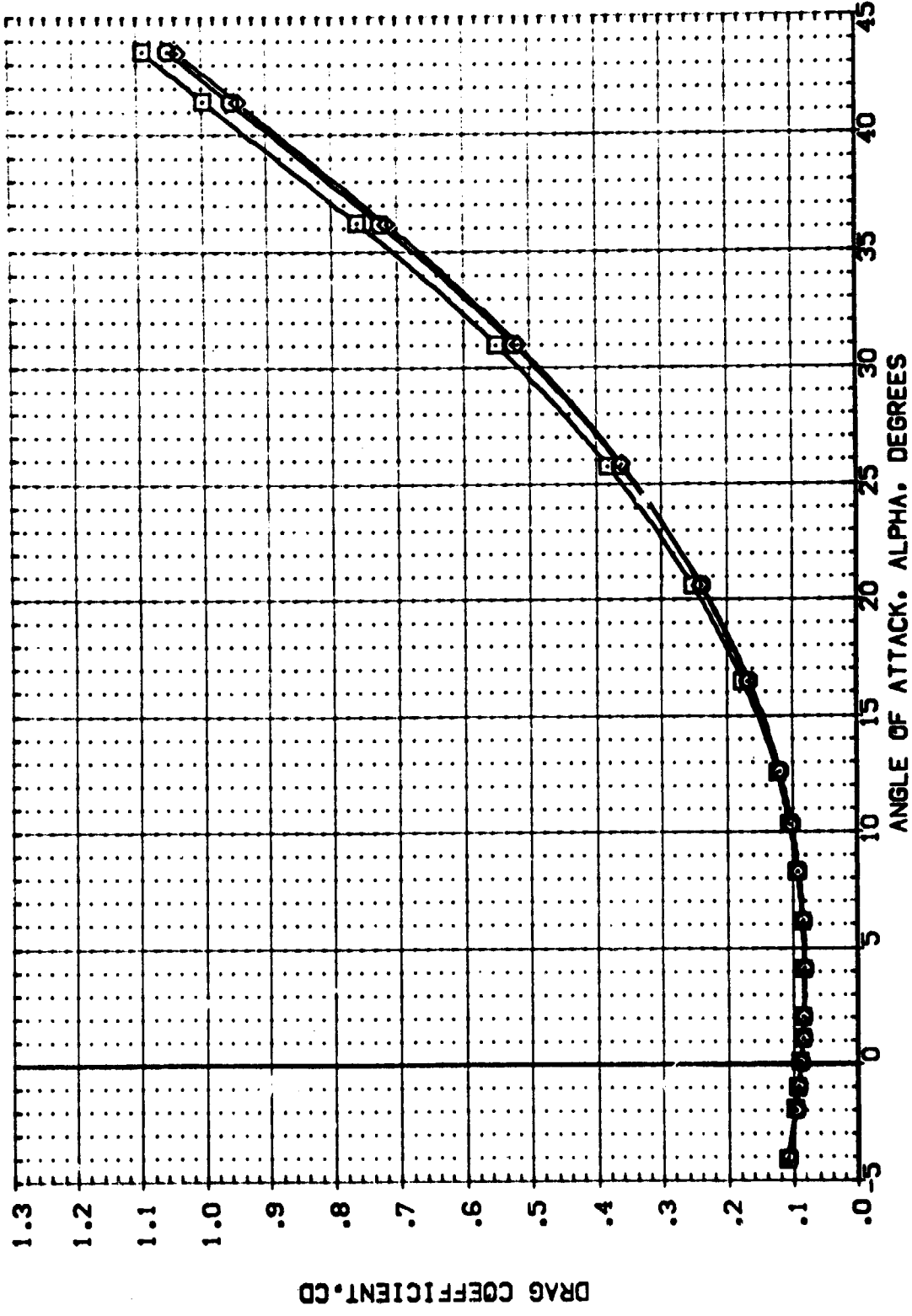






DATA SET SYMBO. CONFIGURATION DESCRIPTION

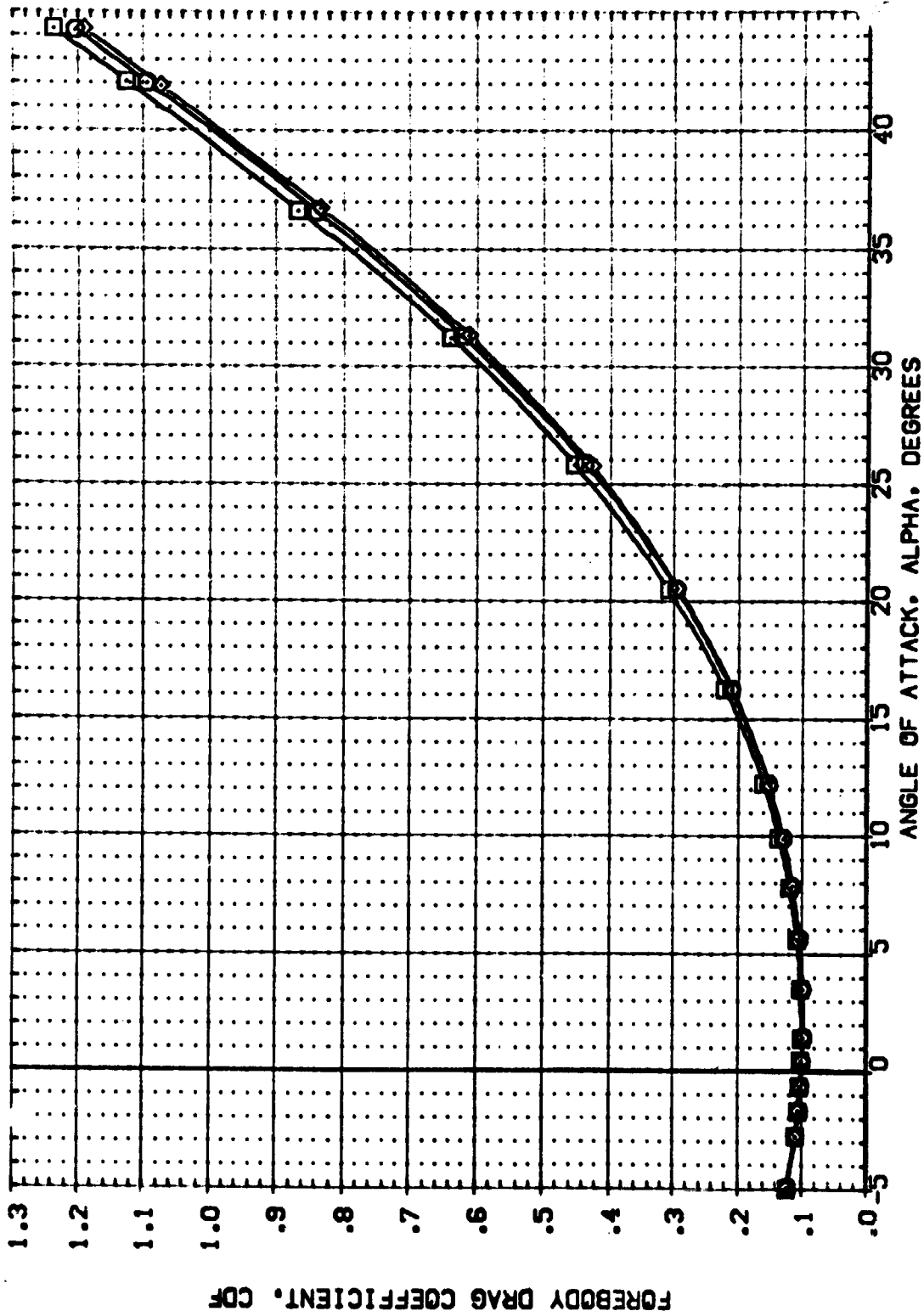
(RPEZ3)	0A4 UPVT 1035 CONF4	819C7EZF3MHSV7V107X18	ELEVTR	8DFLAP	SPD5BK	RJODER	REF. INFO	50. IN.
(RPEZ2)	0A4 UPVT 1035 CONF4	819C7EZF3MHSV7V107X18	.000	.000	54.520	.000	SREF	7.1200
(RPEZ1)	0A4 UPVT 1035 CONF4	819C7EZF3MHSV7V107X18	.000	13.750	54.520	.000	LREF	14.0572
			.000	-14.250	54.520	.000	SREF	12.5772
							YTRP	6.0000
							ZTRP	6.0000
							SCALE	.0150



BODY FLAP DEFLECTED -1398 CONFIG

(C)MACH = 4.60

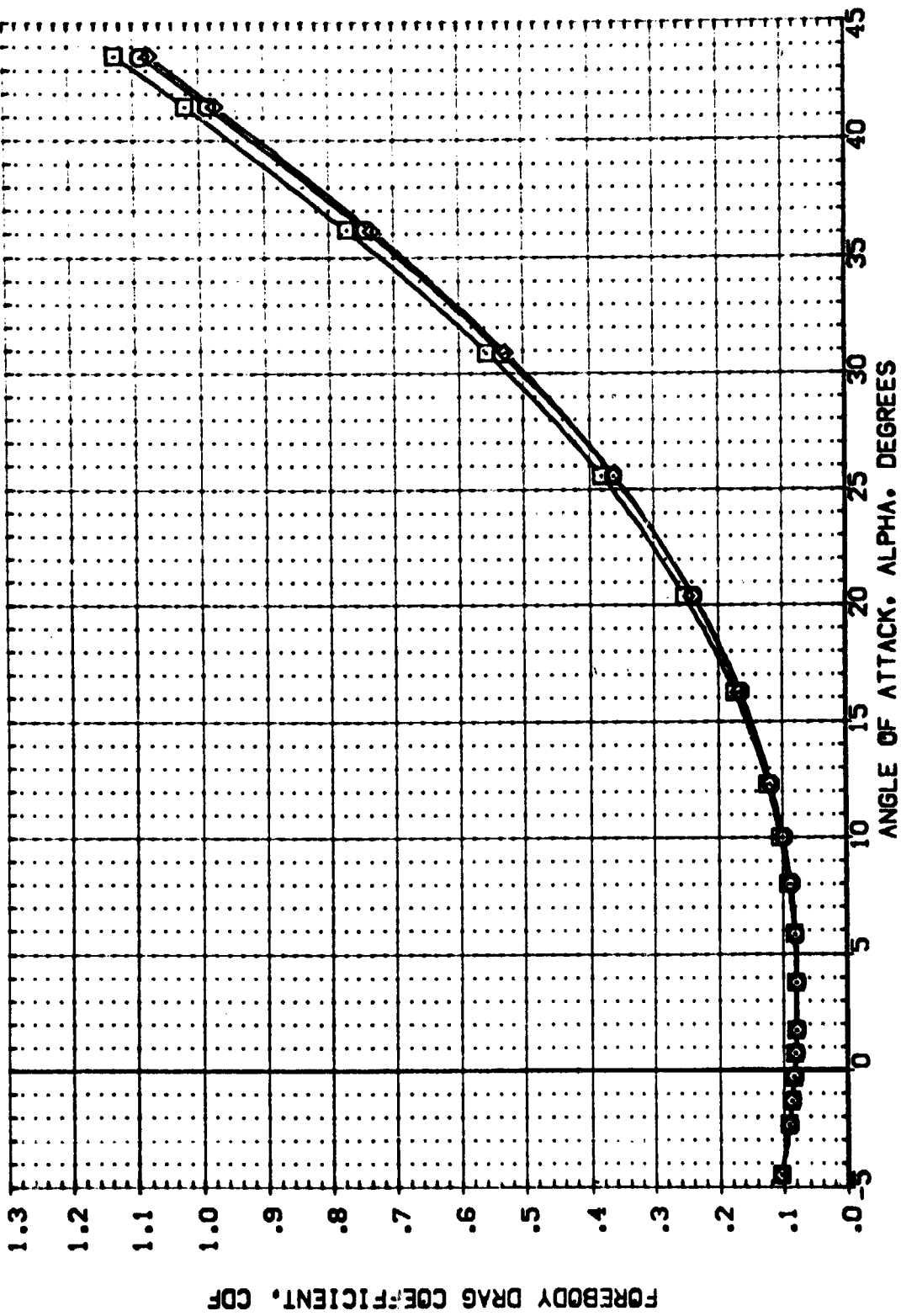
DATA SET SYMBO	CONFIGURATION DESCRIPTION	ELEVTR	EDFLAP	SPDRK	RUDDER	REFERENCE INFORMATION
(MNEZ)	DATA UPVT 1035 CONF4	.000	.000	54.920	.000	07.1560
(MNEZ)	DATA UPVT 1035 CONF4	.000	13.750	54.920	.000	7.1220
(MNEZ)	DATA UPVT 1035 CONF4	.000	-14.250	54.920	.000	14.0502
						12.5772
						.0000
						6.0000
						.0100
						SCALE



BODY FLAP DEFLECTED -1398 CONFIG

(A)MACH = 2.50

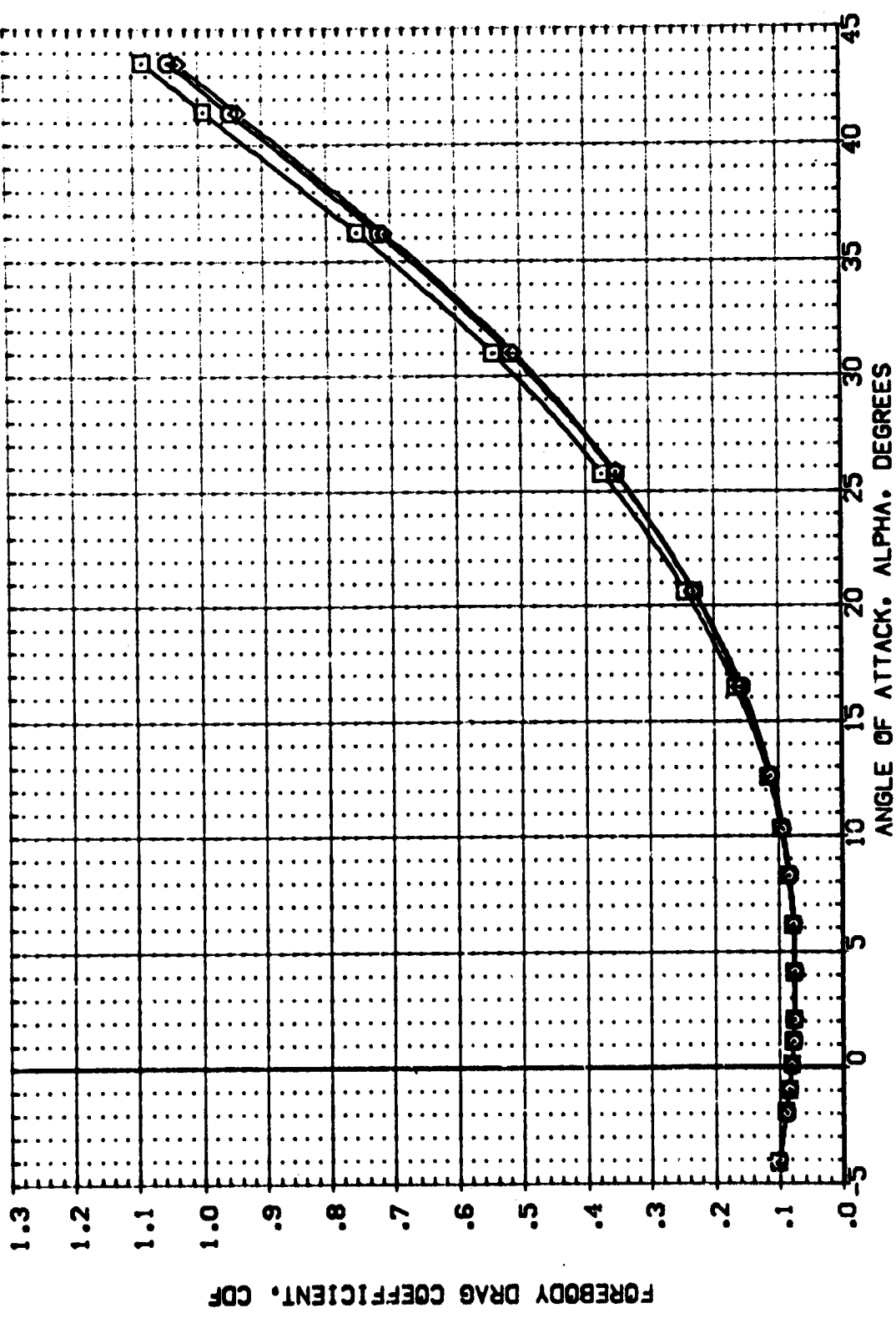
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BOFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RPNZ3)	0A44 UPVT 1035 CONF4	.000	.000	54.520	.000	SREF 67.1560
(RPNZ2)	0A44 UPVT 1035 CONF4	.000	13.750	54.520	.000	LREF 7.1720
(RPNZ1)	0A44 UPVT 1035 CONF4	.000	-14.250	54.520	.000	BREF 14.0502
						XPRP 12.5772
						YPRP 6.0000
						ZPRP 6.0000
						SCALE .0150



BODY FLAP DEFLECTED -1398 CONFIG

(C)MACH = 3.90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BD FLAP	SPDRBK	RUDDER	REFERENCE INFORMATION
(RPNZ3)	0A44 UPVT 1005 CONF4	.000	.000	54.920	.000	SREF 67.1960 50. IN.
(RPNZ2)	0A44 UPVT 1005 CONF4	.000	13.750	54.920	.000	LREF 7.1220 IN-OES
(RPNZ1)	0A44 UPVT 1005 CONF4	.000	-14.250	54.920	.000	BREF 14.0502 IN-OES
						XMRP 12.5772 IN-OES
						YMRP 6.0000 IN-OES
						ZMRP 6.0000 IN-OES
						SCALE .0150 SCALE



BODY FLAP DEFLECTED -139B CONFIG

(C)MACH = 4.60

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RPEZ3) □ DATA UPVT 1035 CNF4 B1SC7E23-SMWSV7V107X16  
 (RPEZ2) ◇ DATA UPVT 1035 CNF4 B1SC7E23-SMWSV7V107X16  
 (RPE19) DATA UPVT 1035 CNF4 B1SC7E23-SMWSV7V107X16

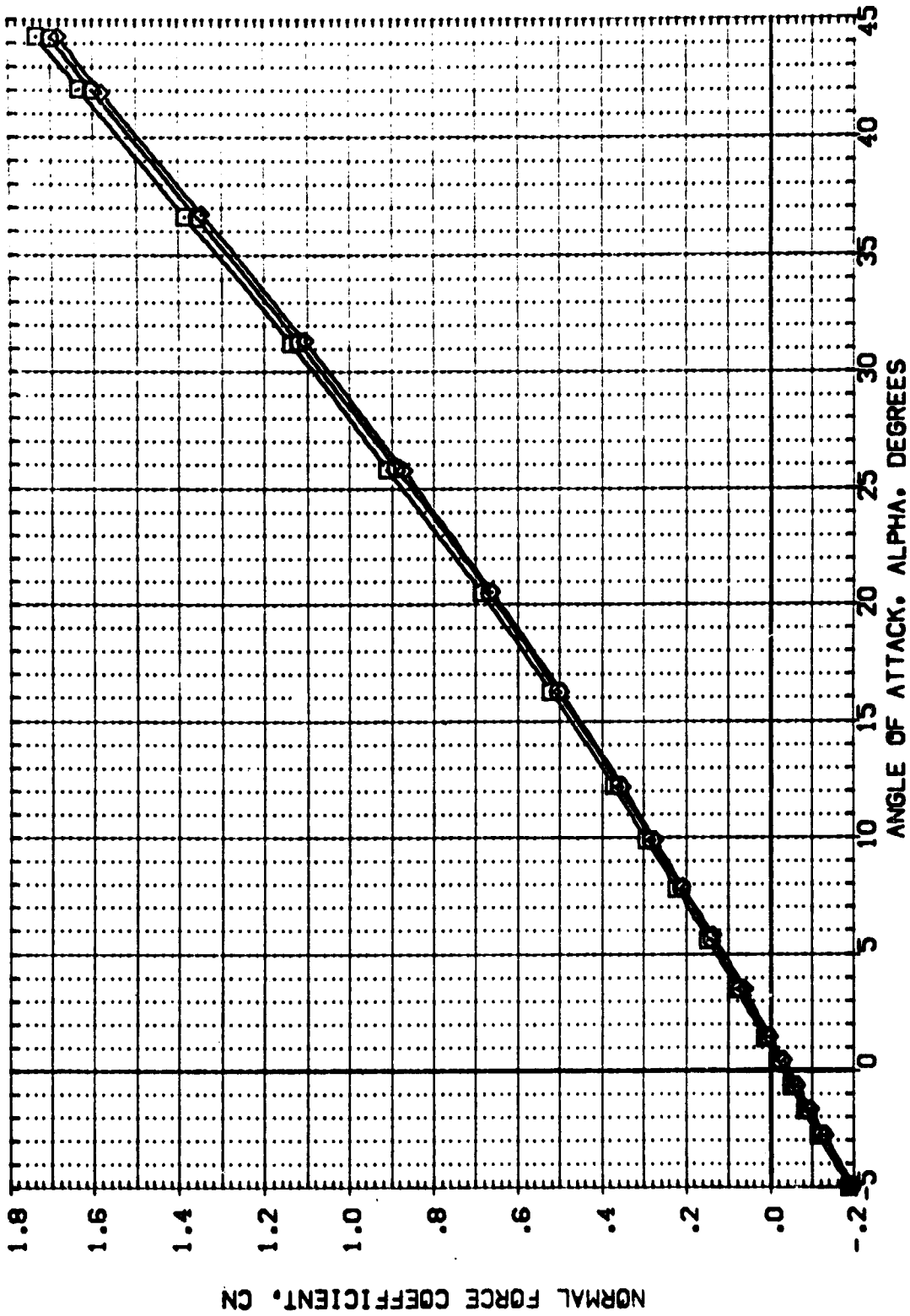
ELEVTR 0.000  
 .000  
 .000

BDFLAP 0.000  
 13.750  
 -14.250

SPOSBRK 54.920  
 54.920  
 54.920

RUDDER 0.000  
 0.000  
 0.000

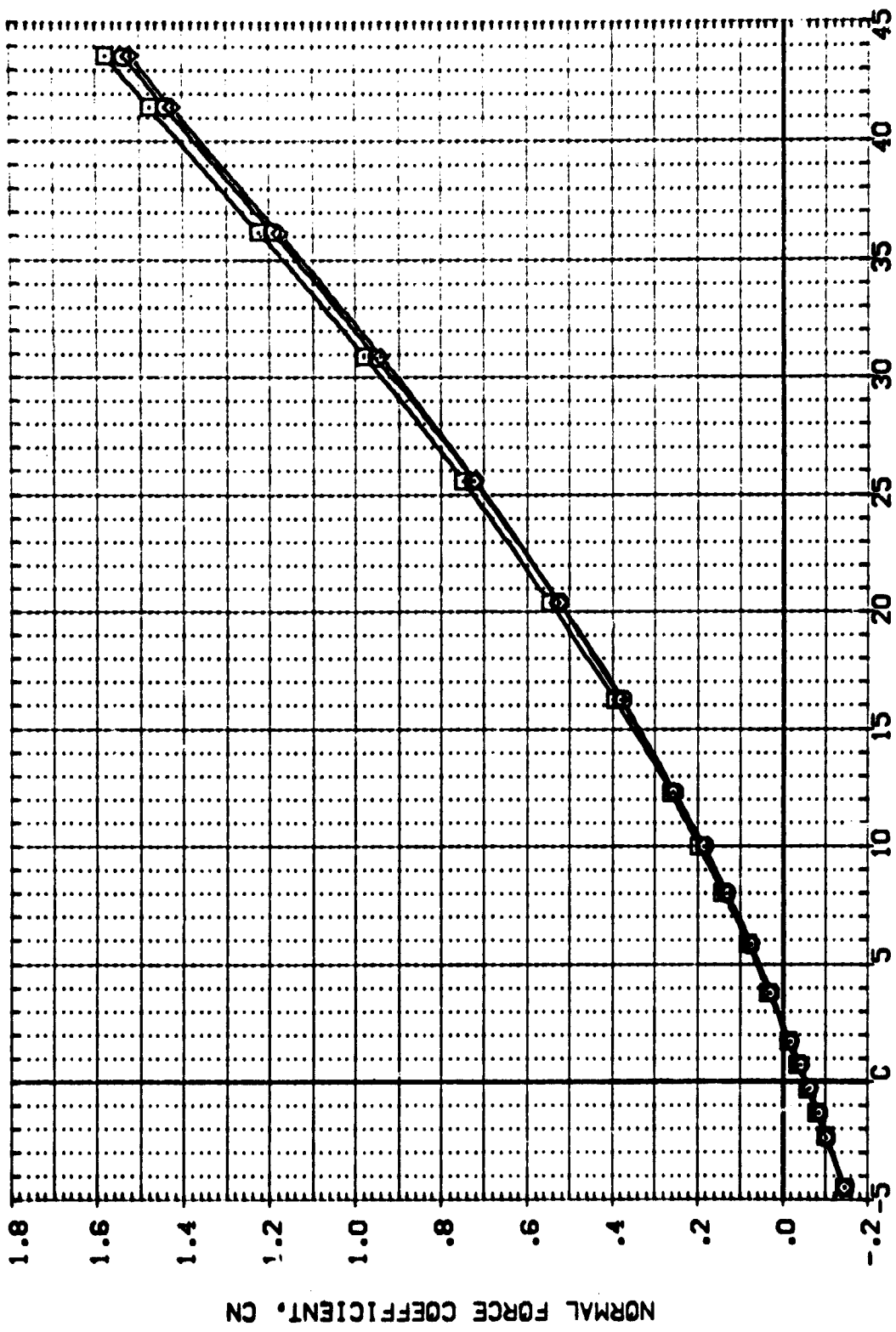
REFERENCE INFORMATION  
 SREF 87.1560 SO.IN.  
 LREF 7.1220 IN.-ES  
 BREF 14.0502 IN.-ES  
 XMRP 12.5772 IN.-ES  
 YMRP 0.0000 IN.-ES  
 ZMRP 6.0000 IN.-ES  
 SCALE .0150 SCALE



BODY FLAP DEFLECTED -1398 CONFIG

(A)MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
(RPEZ3)	0A44 UPVT 1005 CNF4	.000	.000	54.920	.000	SREF 87.1580
(RPEZ2)	0A44 UPVT 1005 CNF4	.000	13.750	54.920	.000	LREF 7.1220
(RPE19)	0A44 UPVT 1005 CNF4	.000	-14.250	54.920	.000	BREF 14.0502
						XPRP 12.5772
						YPRP .0000
						ZPRP 6.0000
						SCALE .0150

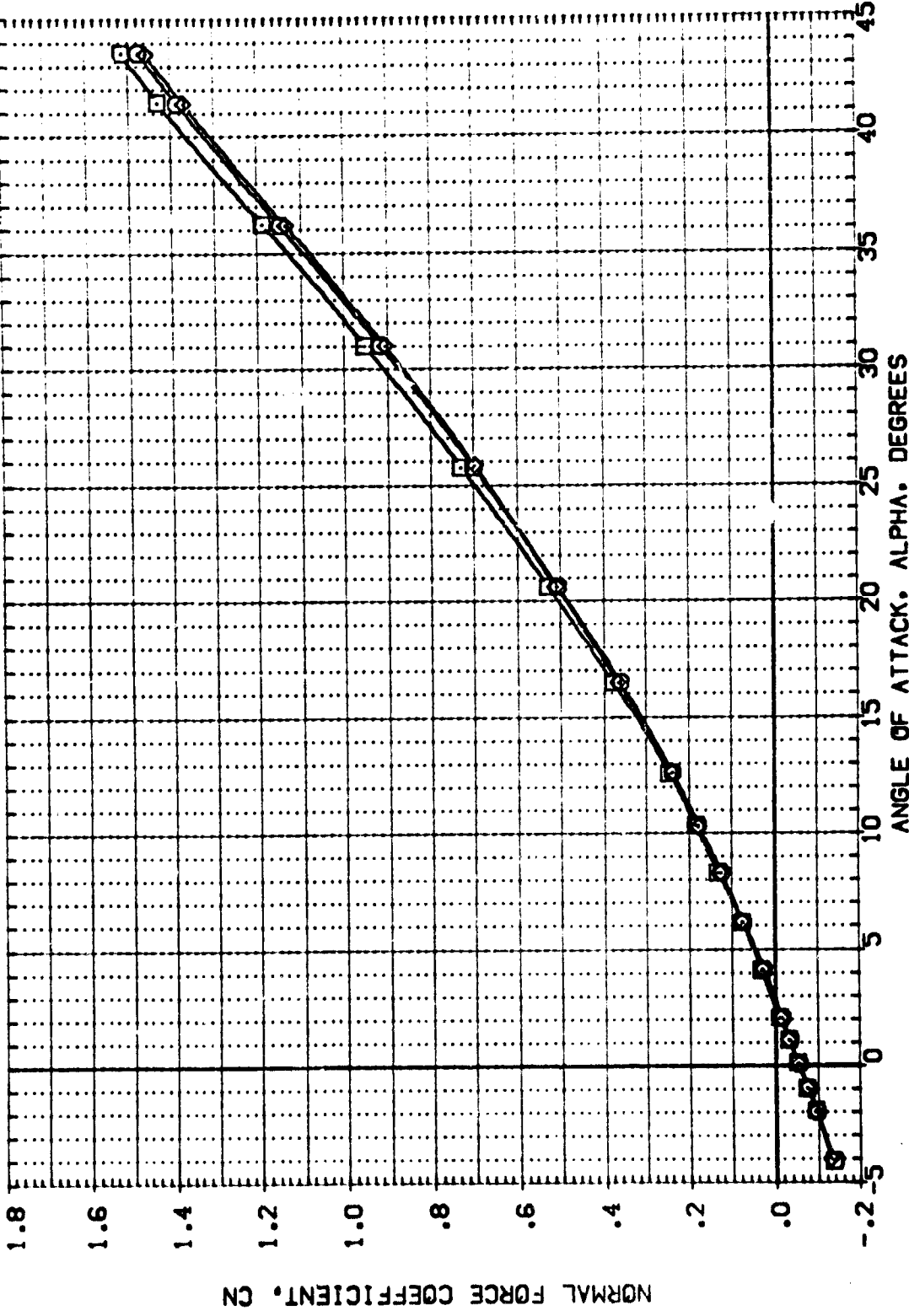


ANGLE OF ATTACK, ALPHA, DEGREES

BODY FLAP DEFLECTED -139B CONFIG

(B)MACH = 3.90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPDRBK	RUDDER	REFERENCE INFORMATION	SO, IN.
(RPAE23)	0A44 UPVT 1035 CONF4	.000	.000	54.920	.000	SREF	87.1560
(RPAE22)	0A44 UPVT 1035 CONF4	.000	13.750	54.920	.000	LREF	7.1220
(RPAE19)	0A44 UPVT 1035 CONF4	.000	-14.250	54.920	.000	BREF	14.0502
						XPRP	12.5772
						YPRP	.0000
						ZPRP	6.0000
						SCALE	.0150



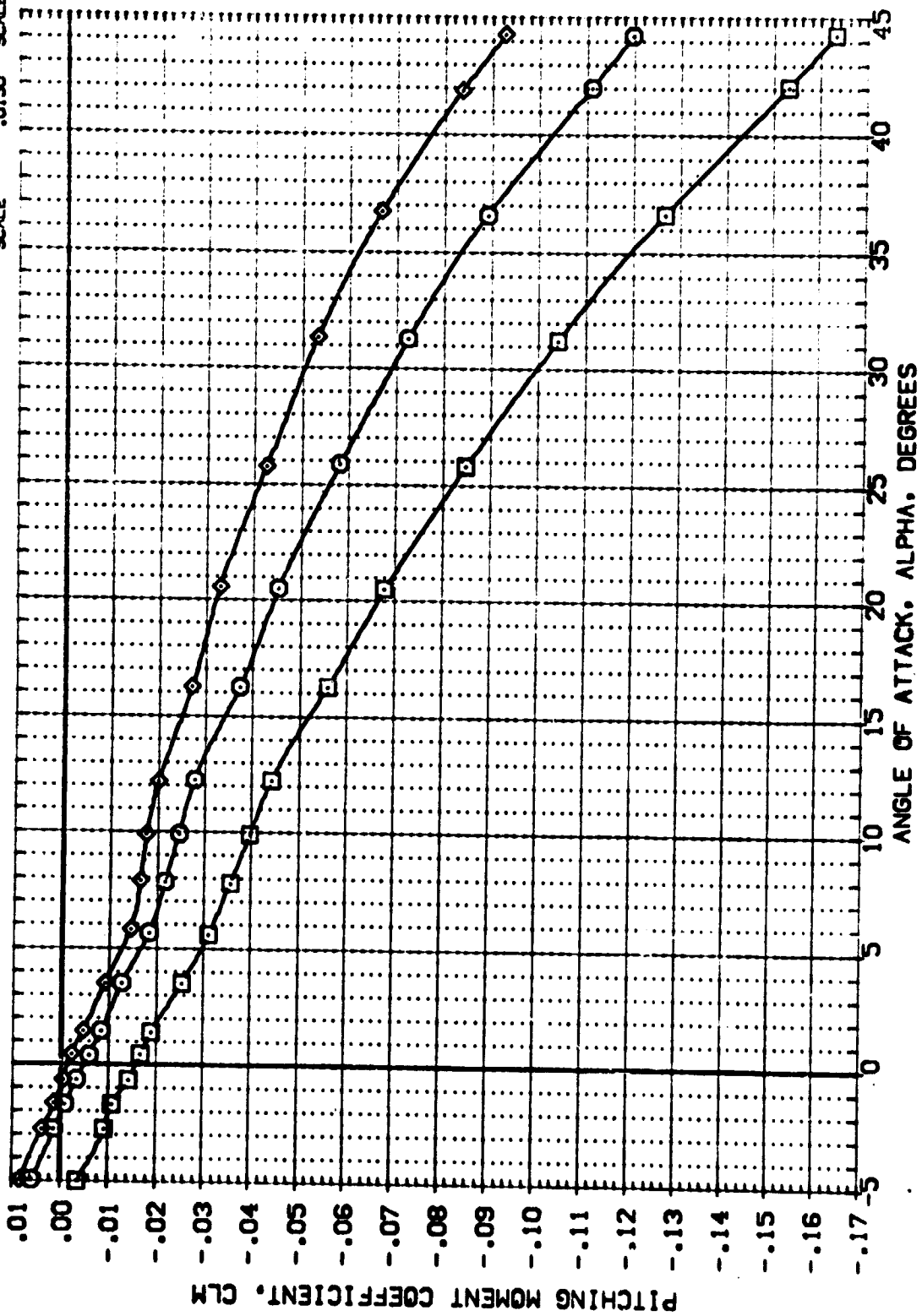
BODY FLAP DEFLECTED -139B CONFIG

(C)MACH = 4.60



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RPNZ2)	0A44 LPVT 1035 CONF4	81SC7E23F3HARSV7107X16	EL	TR	BOFLAP	SPDRBK	RUDDER	REFERENCE INFORMATION
(RPNZ2)	0A44 LPVT 1035 CONF4	81SC7E23F3HARSV7107X16	.000	.000	.000	54.520	.000	SREF 97.1560 SO.IN.
(RPNZ18)	0A44 LPVT 1035 CONF4	81SC7E23F3HARSV7107X16	.000	.000	13.750	54.520	.000	LREF 7.1220 INO-ES
			.000	.000	-14.250	54.520	.000	BREF 14.0502 INO-ES
								XPRP 12.5772 INO-ES
								YPRP .0000 INO-ES
								ZPRP 6.0000 INO-ES
								SCALE .0150 SCALE



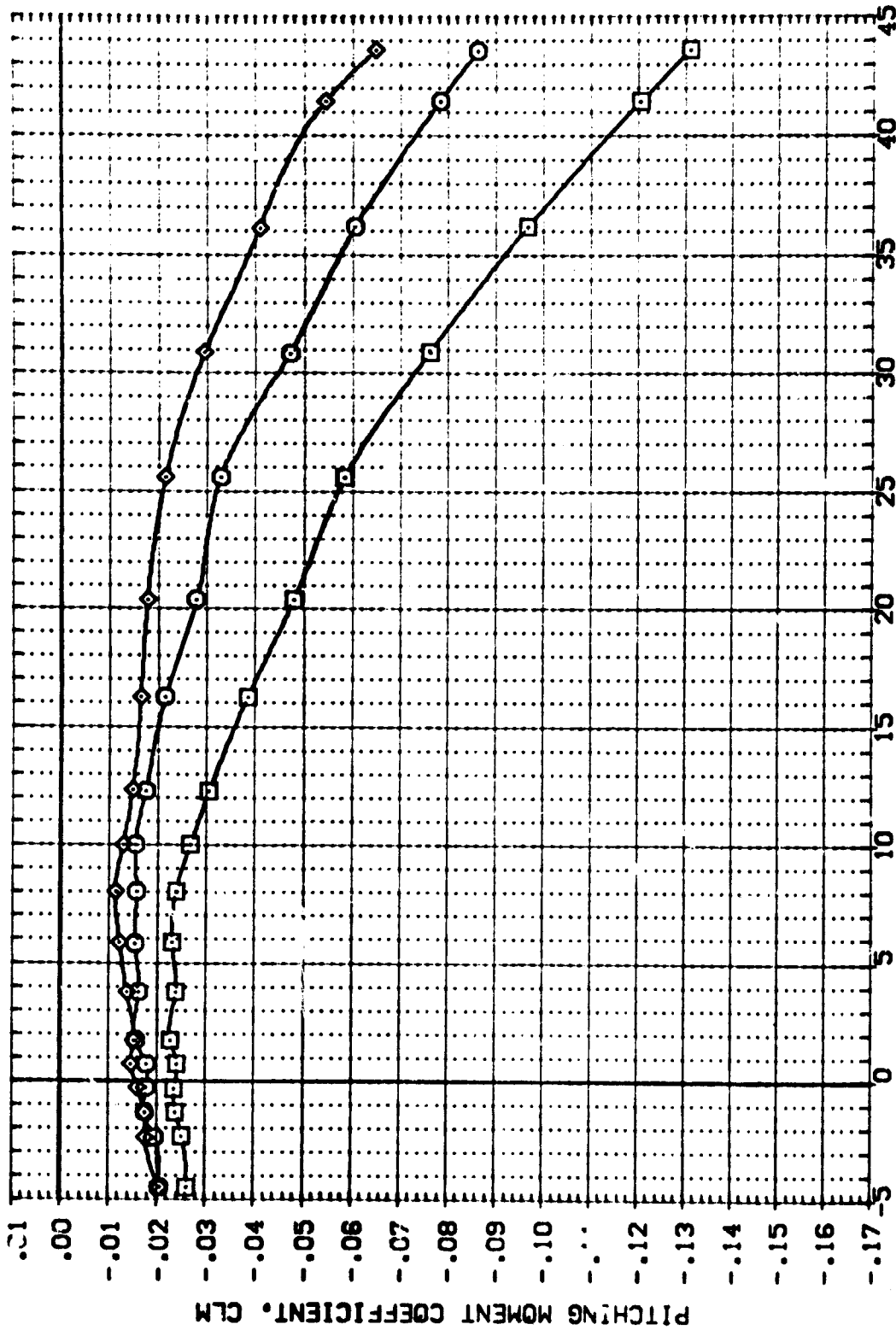
BODY FLAP DEFLECTED -1398 CONFIG

(1)MACH = 2.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RPNZ2) 0A44 UPVT 1035 CONF4 B1SC7EZF34RS7V107X16  
 (RPNZ2) 0A44 UPVT 1035 CONF4 B1SC7EZF34RS7V107X16  
 (RPNZ19) 0A44 UPVT 1035 CONF4 B1SC7EZF34RS7V107X16

ELEVTR BDFLAP SPOBRK RUDDER REFERENCE INFORMATION  
 .000 .000 .000 .000 SREF 87.1560 SO.IN.  
 .000 .000 .000 .000 LREF 7.1220 IN.-ES  
 .000 -13.750 54.920 54.920 BREF 14.0502 IN.-ES  
 .000 -14.250 54.920 54.920 XMRP 12.5772 IN.-ES  
 YMRP .0000 IN.-ES  
 ZMRP 6.0000 IN.-ES  
 SCALE .0150 SCALE



ANGLE OF ATTACK, ALPHA, DEGREES

BODY FLAP DEFLECTED -1398 CONFIG

(B)MACH = 3.90



DATA SET SYMBOL: (RPN22) (RPN22) (RPN19)

CONFIGURATION DESCRIPTION: 0A14 UPVT 1035 CONF 4 0A14 UPVT 1035 CONF 4 0A14 UPVT 1035 CONF 4

ELEVTR: .000 .000 .000  
 BOFLAP: .000 13.750 -14.250  
 SPOBRK: 54.920 54.920 54.920  
 RUDDER: .000 .000 .000

REFERENCE INFORMATION: 87.1560 SQ. IN. 50. IN. 7.1270 INCHES 14.0502 INCHES 12.5772 INCHES 6.0000 INCHES 6.0000 INCHES .0150 SCALE



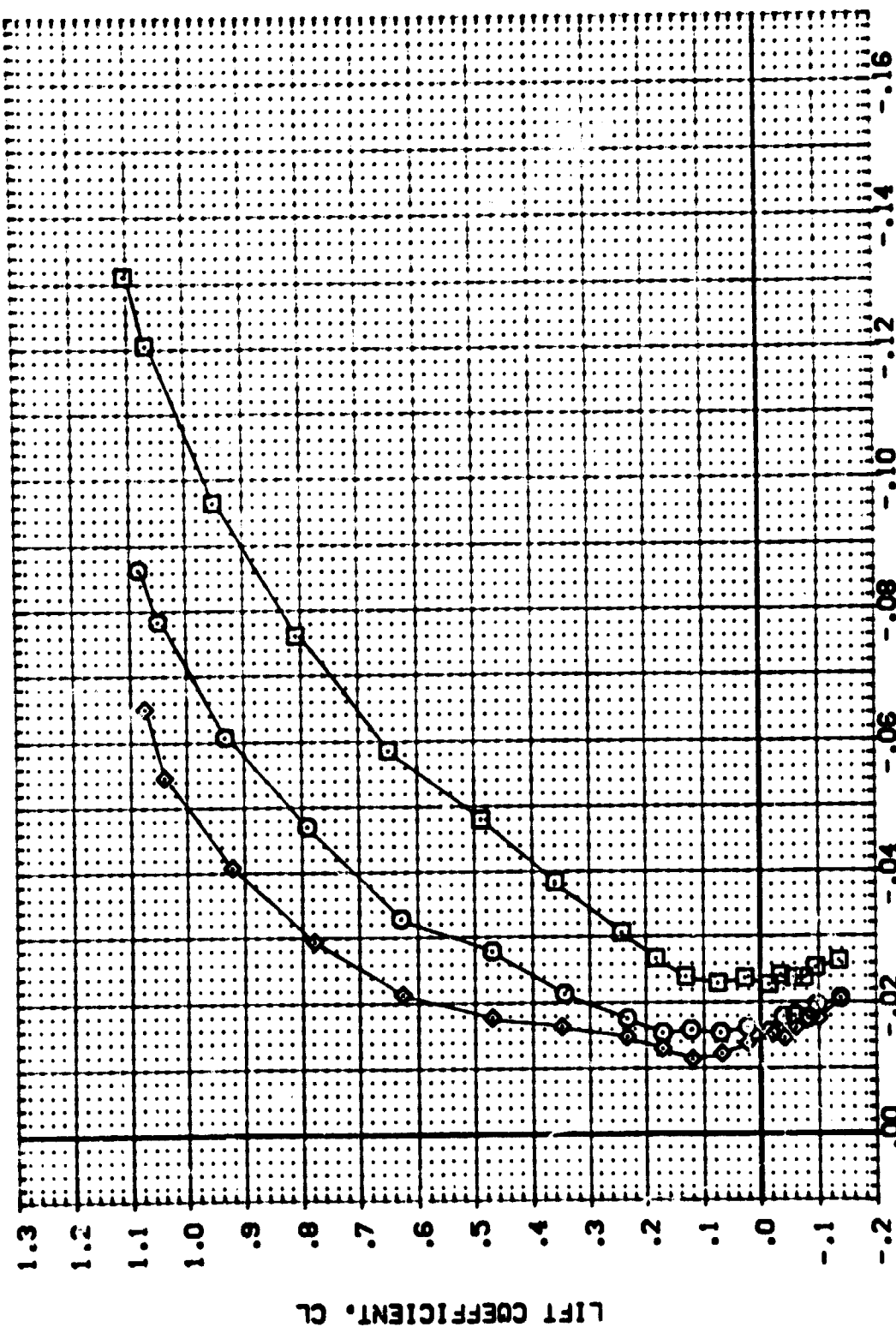
BODY FLAP DEFLECTED -1398 CONFIG

(A)MACH = 2.50



DATA SET SYMBL. CONFIGURATION DESCRIPTION

(BNEZ2)	0A44 UPVT 1035 COAF4	B1S7EZF3SHR5V7107A18	ELEVTR	50FLAP	SPDRBK	RUDDER	REF. INFO	90. IN.
(BNEZ3)	0A44 UPVT 1035 COAF4	B1S7EZF3SHR5V7107A18	.000	.000	54.520	.000	97.1580	IN.-ES
(BNEZ19)	0A44 UPVT 1035 COAF4	B1S7EZF3SHR5V7107A18	.000	13.750	54.520	.000	7.1270	IN.-ES
			.000	-14.250	54.520	.000	14.0502	IN.-ES
							12.5772	IN.-ES
							.0000	IN.-ES
							6.0000	SCALE
							.0150	SCALE

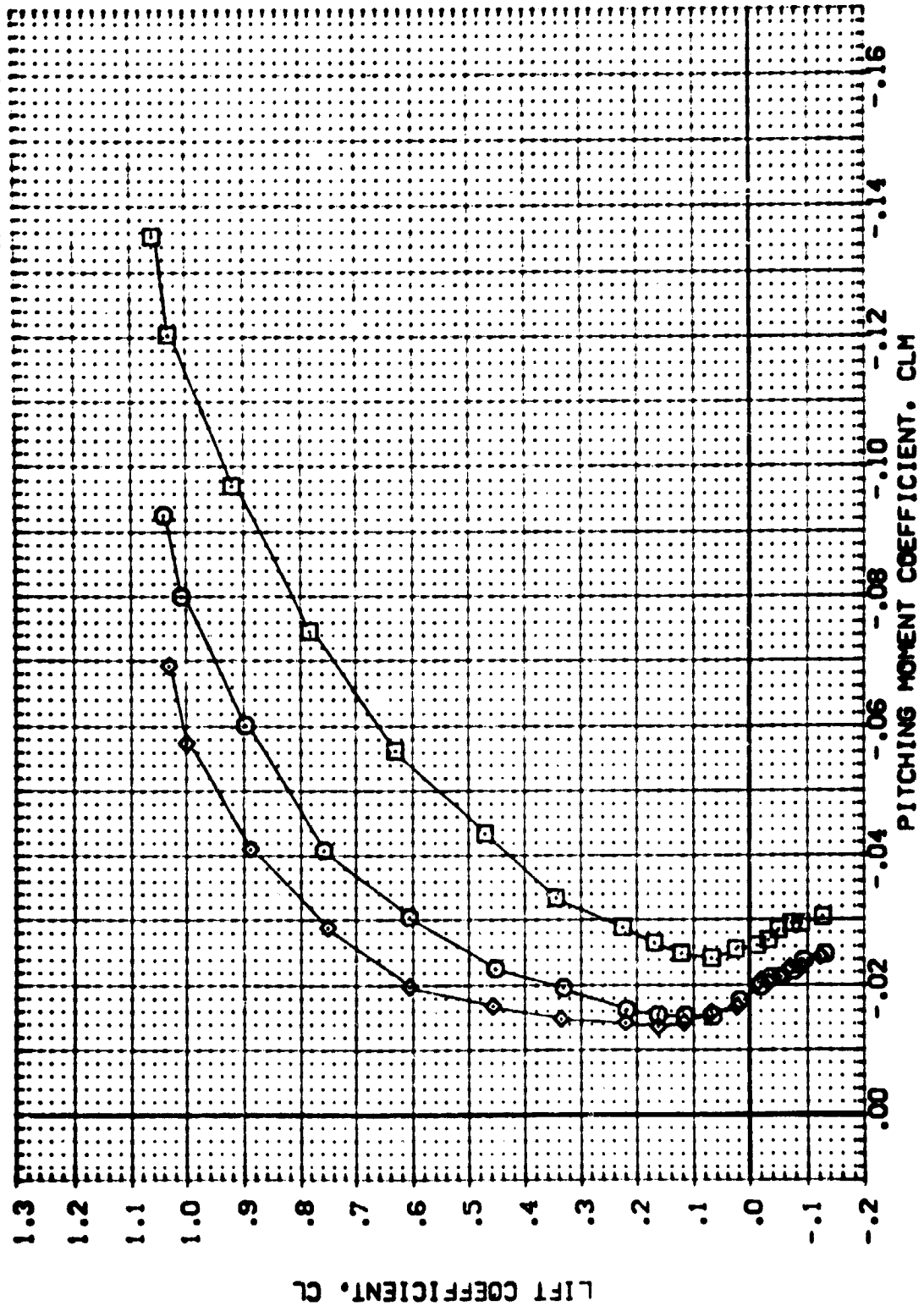


PITCHING MOMENT COEFFICIENT, CLM

BODY FLAP DEFLECTED -1398 CONFIG

(B)MACH = 3.90

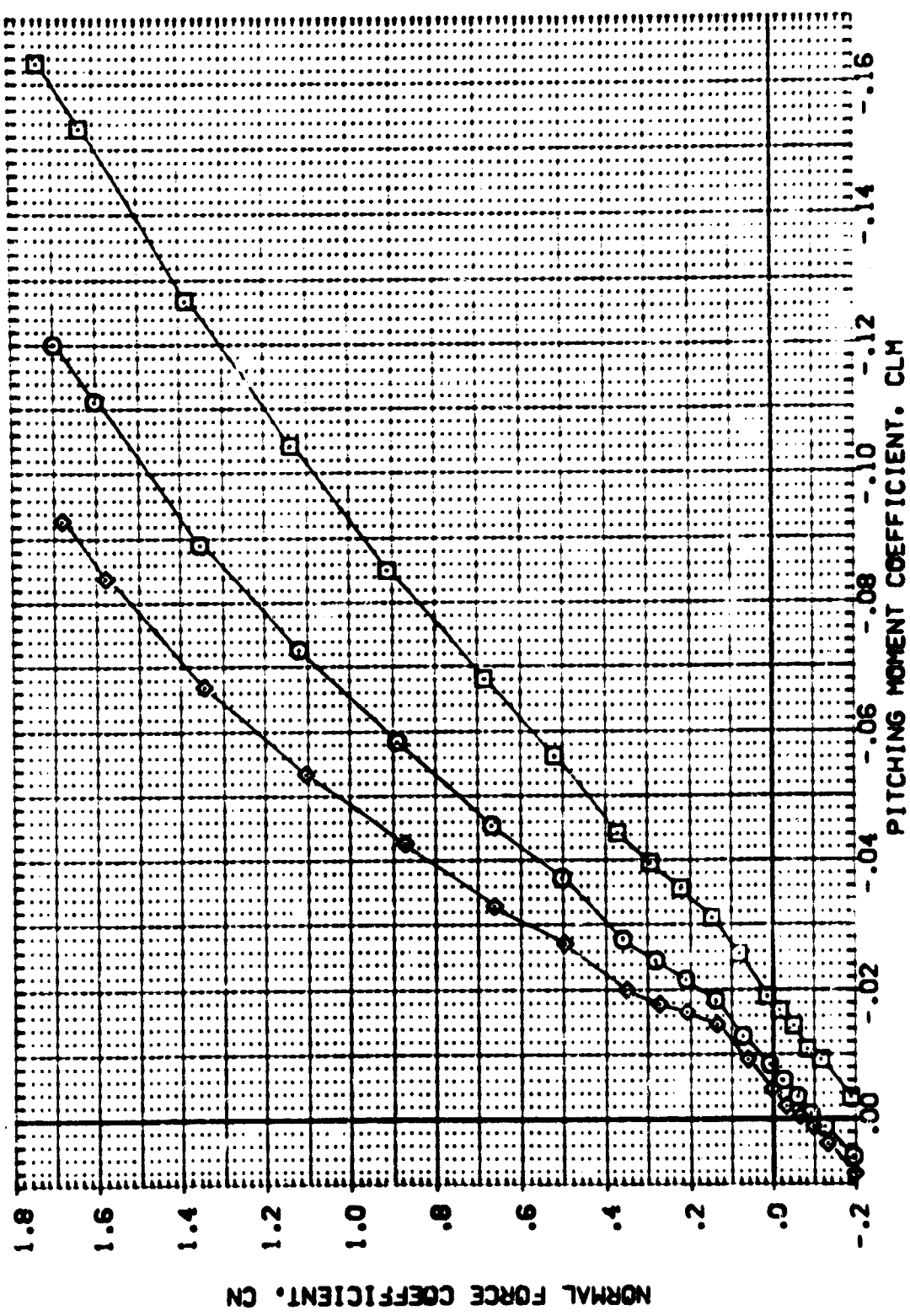
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BOFLAP	SPOBRK	FLOORR	REFERENCE INFORMATION
(SWE22)	DATA UNVT 1000 C064	.000	.00	54.520	.000	07.1580
(SWE23)	DATA UNVT 1000 C064	.000	12.750	54.520	.000	7.1220
(SWE24)	DATA UNVT 1000 C064	.000	-11.250	54.520	.000	14.0500
						12.5770
						0.0000
						0.0000
						0.0180
						SCALE



BODY FLAP DEFLECTED -1398 CONFIG

(C)MACH = 4.60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPORK	FLUDER	REFERENCE INFORMATION
(MFEZ3)	0A44 UPVT 1055 CONF4	.000	.000	54.820	.000	REF 87.1500
(MFEZ2)	0A44 UPVT 1055 CONF4	.000	13.750	54.820	.000	LINE 7.1220
(MFEZ1)	0A44 UPVT 1055 CONF4	.000	-14.250	54.820	.000	REF 14.0500
						LINE 12.5772
						TYPE 6.0000
						TYPE 6.0000
						SCALE .0150
						SCALE



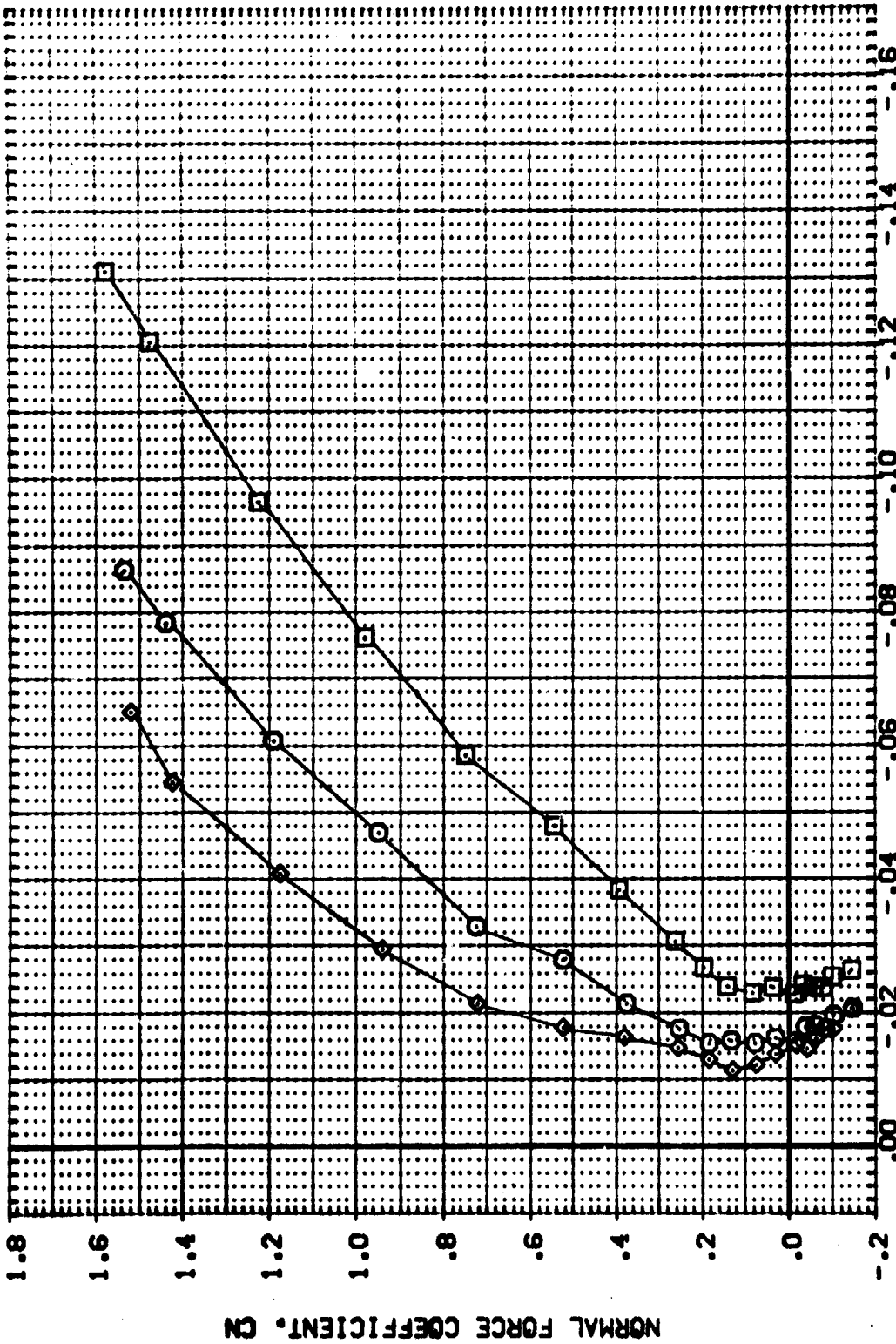
BODY FLAP DEFLECTED -1398 CONFIG

(A)MACH = 2.50

DATA SET SHEET CONFIGURATION DESCRIPTION  
 (REVISED) DATA UNIT 1000 CONF.1  
 (REVISED) DATA UNIT 1000 CONF.2  
 (REVISED) DATA UNIT 1000 CONF.3

ELEVTR 80FLAP 8POWBK 8ALDGR  
 .000 .000 .000 .000  
 .000 .000 .000 .000  
 .000 .000 .000 .000

REFERENCE INFORMATION  
 SWS 87.1980 80 IN.  
 LWS 7.1220 INCHES  
 XWSP 14.0502 INCHES  
 YWSP 12.5772 INCHES  
 ZWSP .0000 INCHES  
 SCALE 6 .0150 SCALE

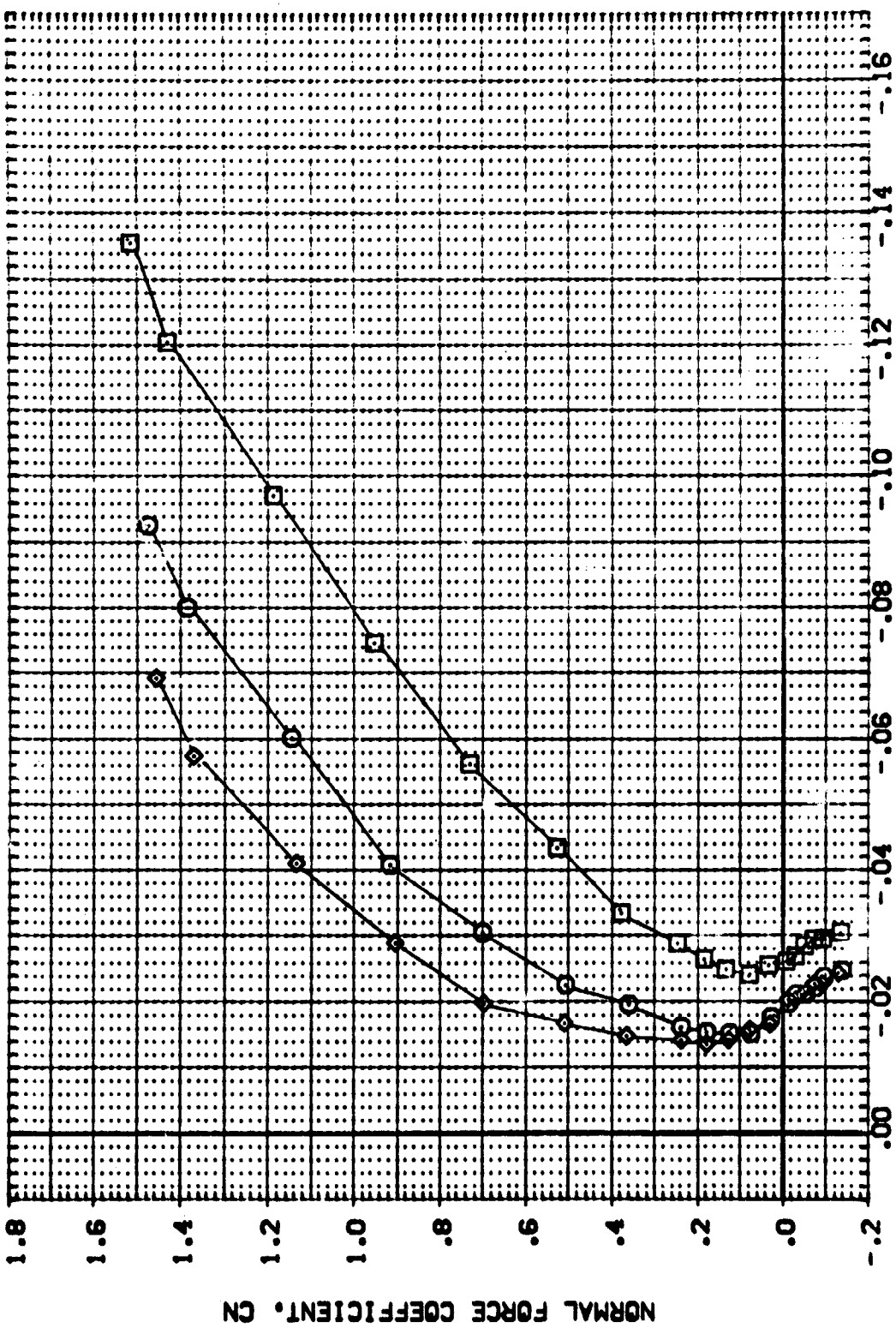


BODY FLAP DEFLECTED -1398 CONFIG

(B)MACH = 3.90



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPDRBK	RUDDER	REFERENCE INFORMATION
(BMEZ2)	0M44 UPVT 1005 CNF4	.000	.000	\$4.820	.000	SREF 87.1560
(BMEZ3)	0M44 UPVT 1005 CNF4	.000	19.750	\$4.820	.000	LREF 7.1220
(BMEZ4)	0M44 UPVT 1005 CNF4	.000	-14.250	\$4.820	.000	XREF 14.0502
						YREF 12.5772
						ZREF .0000
						SCALE 6.0150
						SCALE



BODY FLAP DEFLECTED -1398 CONFIG

(C)MACH = 4.60

DATA SET SYMBOL: (RPNZ2) (RPNZ2) (RPNZ2)

CONFIGURATION DESCRIPTION: 0A44 LPVT 1035 CONF4, 0A44 LPVT 1035 CONF4, 0A44 LPVT 1035 CONF4

SO. IN.: 87.1560, INC-ES: 7.1220, INC-ES: 14.0502, INC-ES: 12.5772, INC-ES: 6.0000, INC-ES: 6.0000, SCALE: .0150

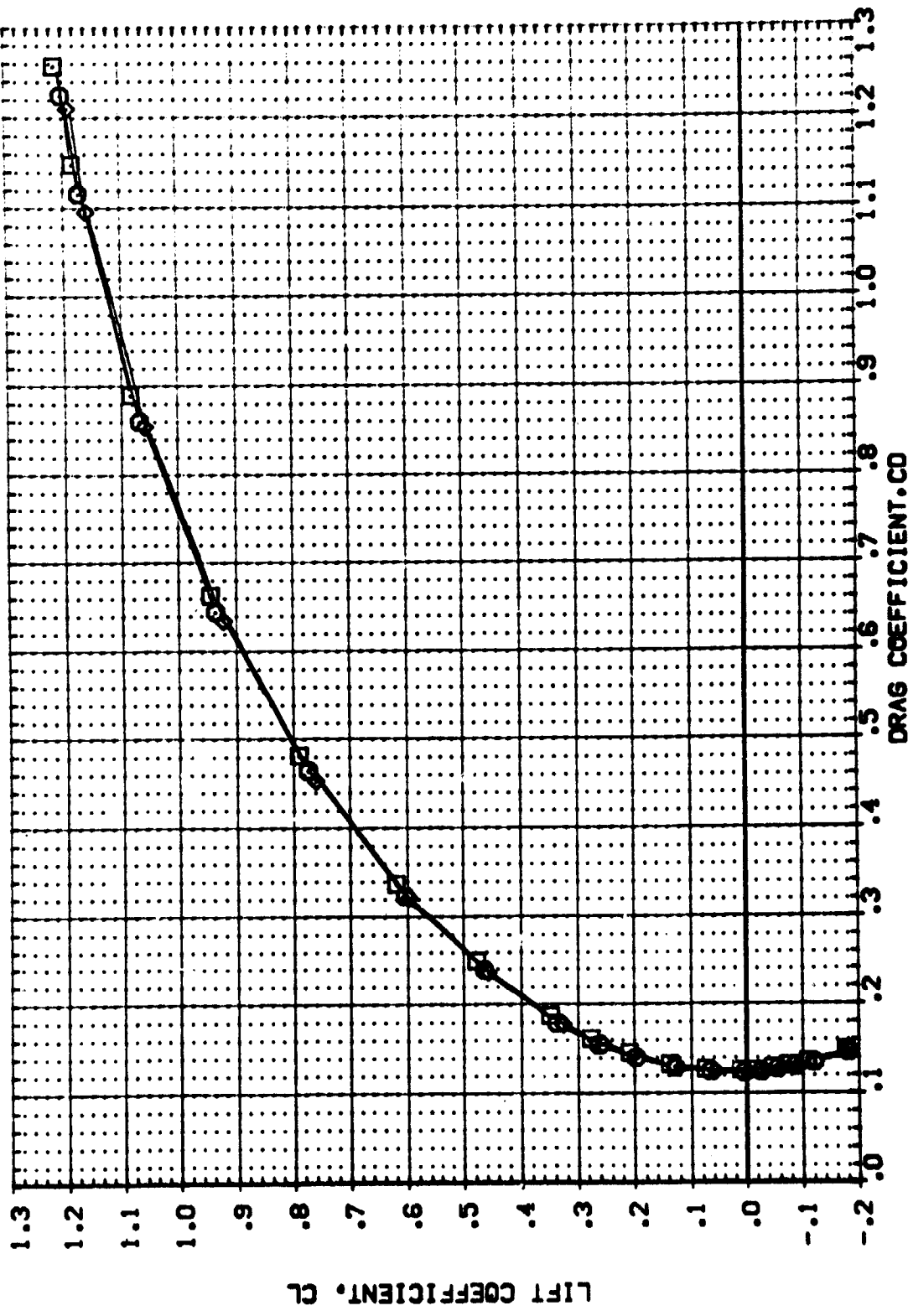
RUDDER: .000, .000, .000

S-08BK: 54.920, 54.920, 54.920

BOFLAP: .000, 13.750, -14.250

ELEVTR: .000, .000, .000

REFERENCE INFORMATION: SREF, LREF, BREF, XMRP, YMRP, ZMRP, SCALE



BODY FLAP DEFLECTED -1398 CONFIG

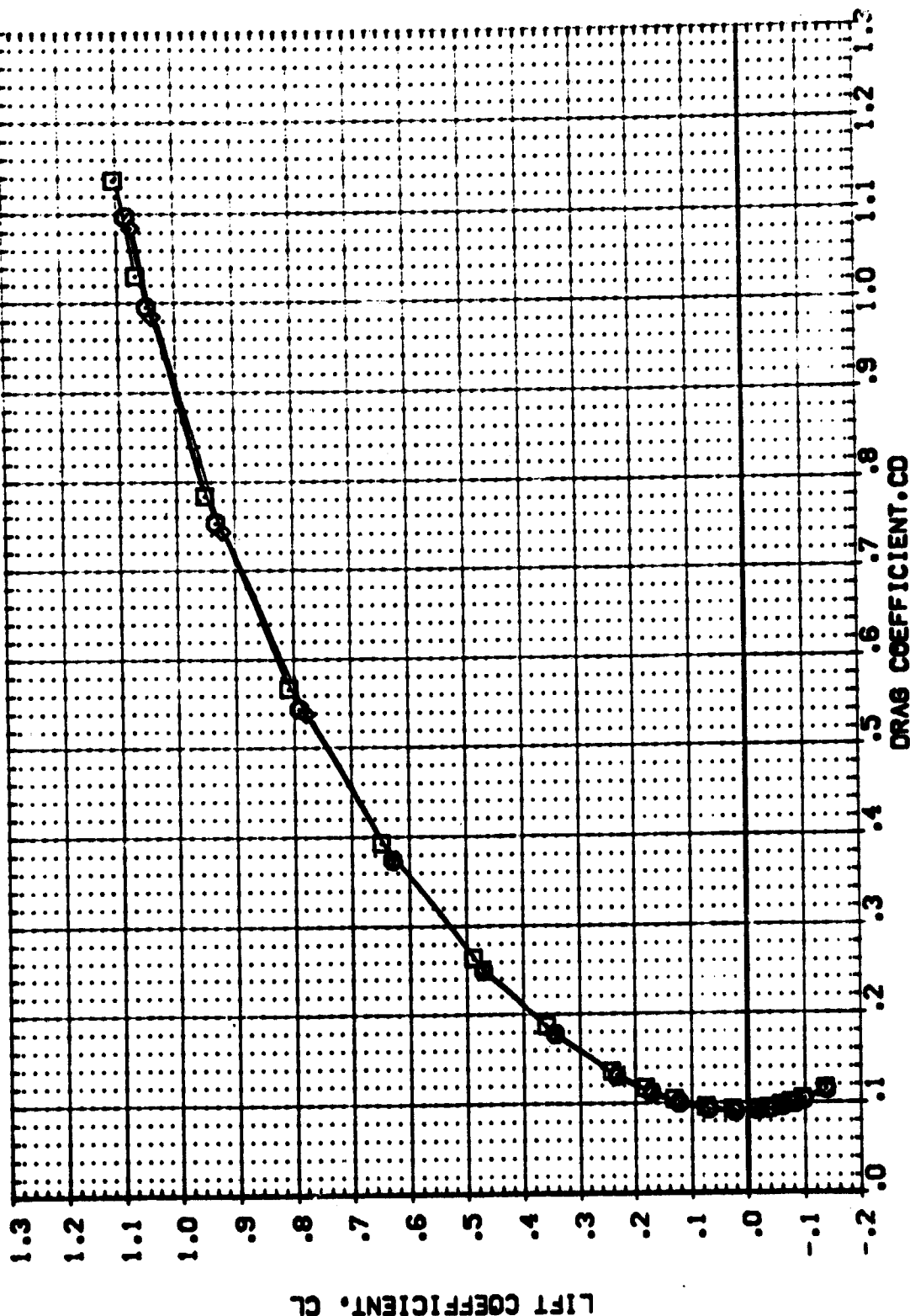
(A)MACH = 2.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (NWEZ3) 0101 UNVT 1035 CONF4  
 (NWEZ2) 0101 UNVT 1035 CONF4  
 (NWEZ1) 0101 UNVT 1035 CONF4

REFERENCE INFORMATION  
 SREF 07.1580 SQ. IN.  
 LREF 7.1270 IN.-ES  
 BRFT 14.0502 IN.-ES  
 YPRP 12.5772 IN.-ES  
 ZPRP 0.0000 IN.-ES  
 SCALE 0.0150 SCALE

ELEVTR 0.000  
 BD-LAP 0.000  
 SPOBRK 54.920  
 RUDDER 0.000

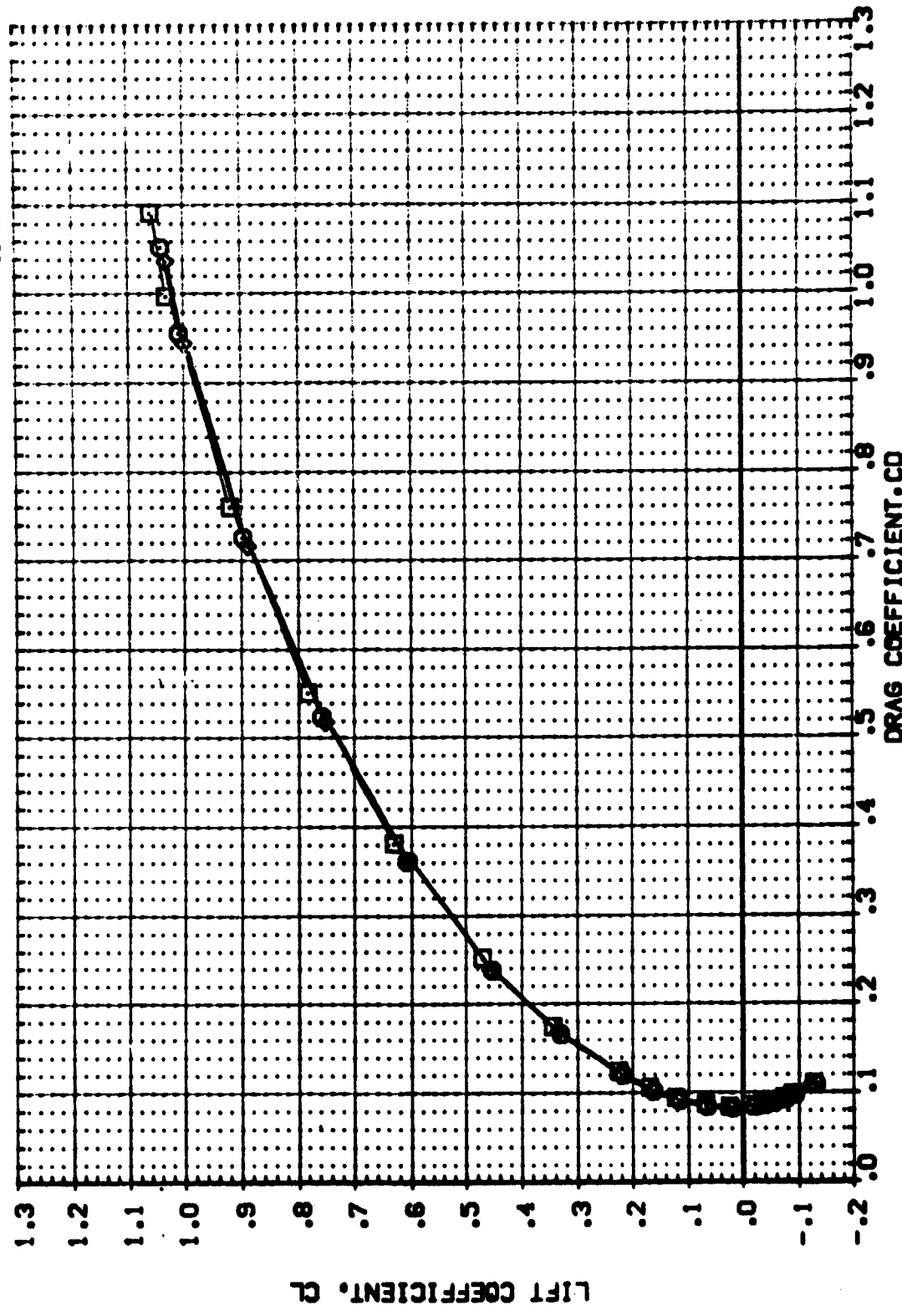
0101 UNVT 1035 CONF4  
 0101 UNVT 1035 CONF4  
 0101 UNVT 1035 CONF4



BODY FLAP DEFLECTED -1398 CONFIG

(R)MACH = 3.95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPDBRK	RUDDER	REFERENCE INFORMATION
{NPEZ3}	8A44 UPVT 1035 CONF4	.000	.000	54.920	.000	SREF 87.1590
{NPEZ2}	8A44 UPVT 1035 CONF4	.000	19.750	54.920	.000	LINE 7.1220
{NPE19}	8A44 UPVT 1035 CONF4	.000	-14.250	54.920	.000	BASEP 14.0502
						XPRP 12.5772
						YPRP .0000
						ZPRP 6.0000
						SCALE .0150

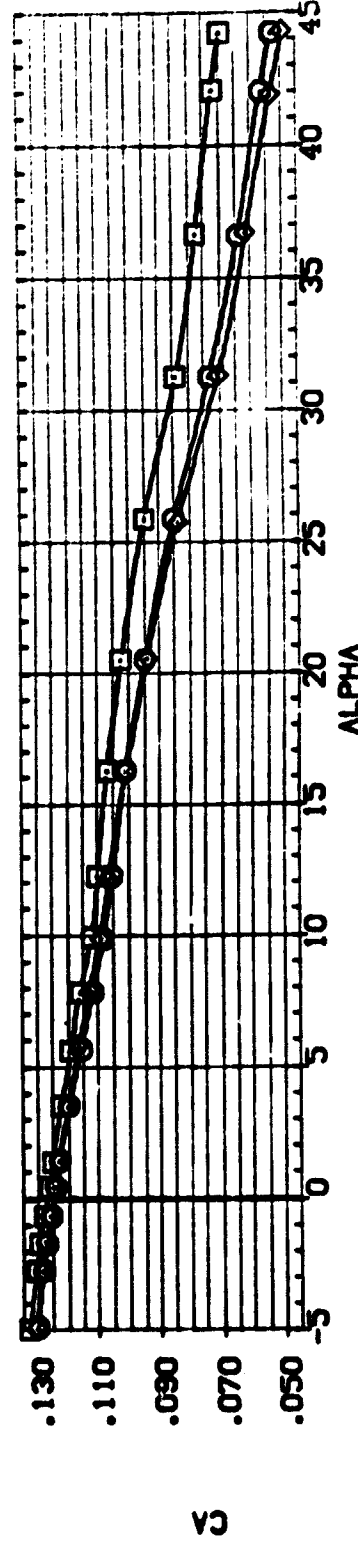
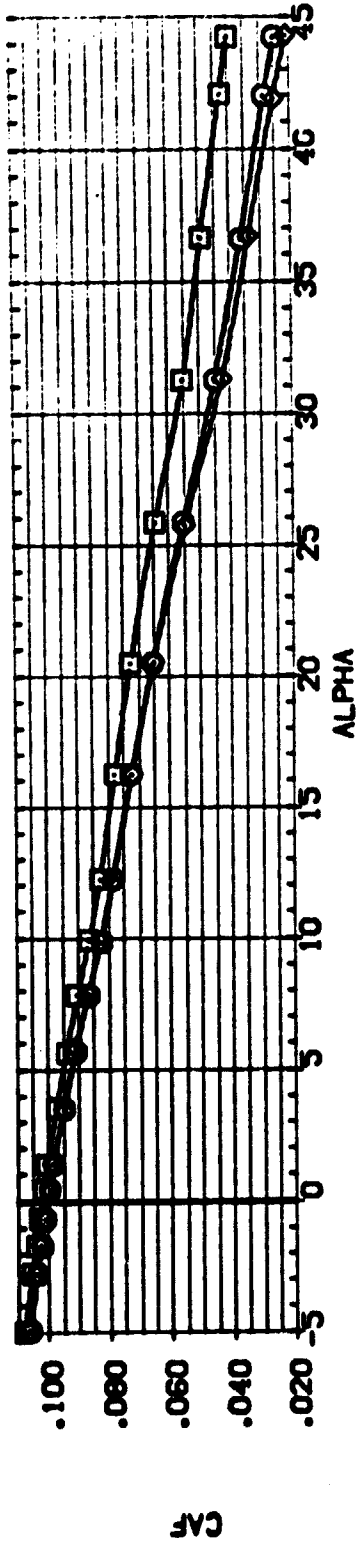
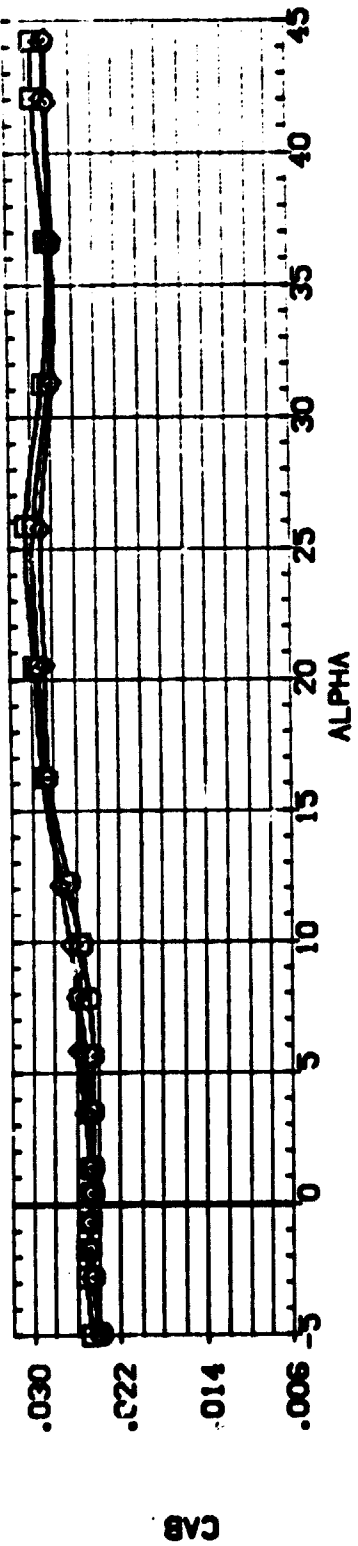


BODY FLAP DEFLECTED -1398 CONFIG

(C)MACH = 4.60

DATA SET SYMBOL CONFIGURATION DESCRIPTION REFERENCE INFORMATION

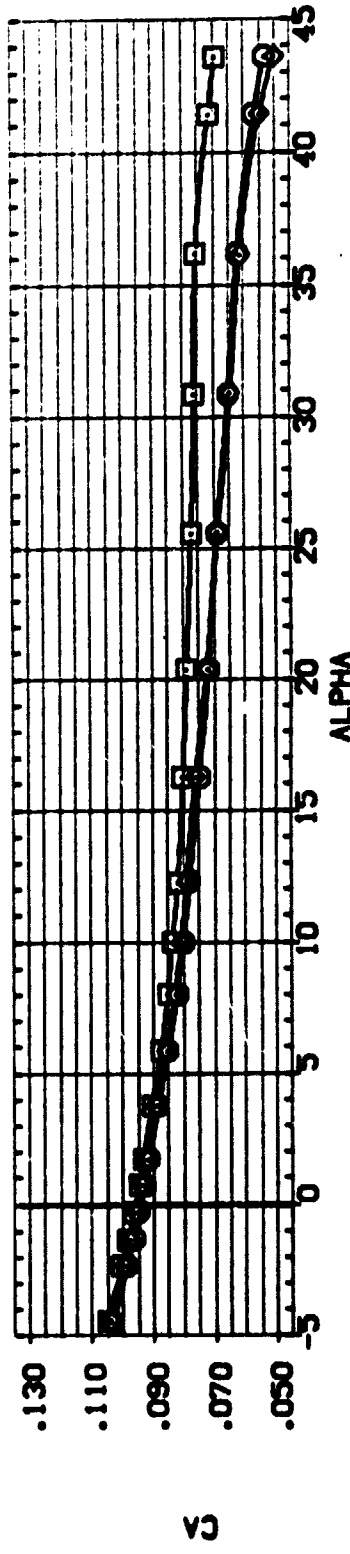
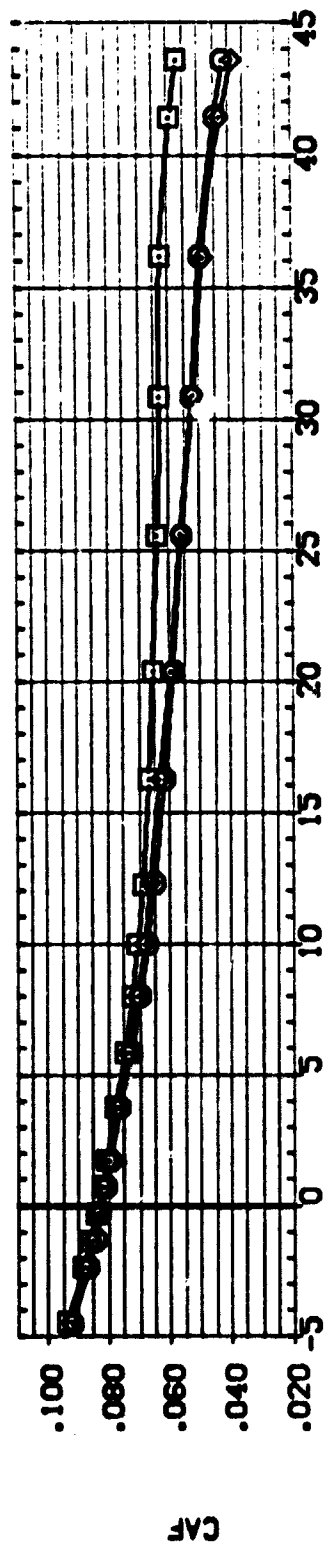
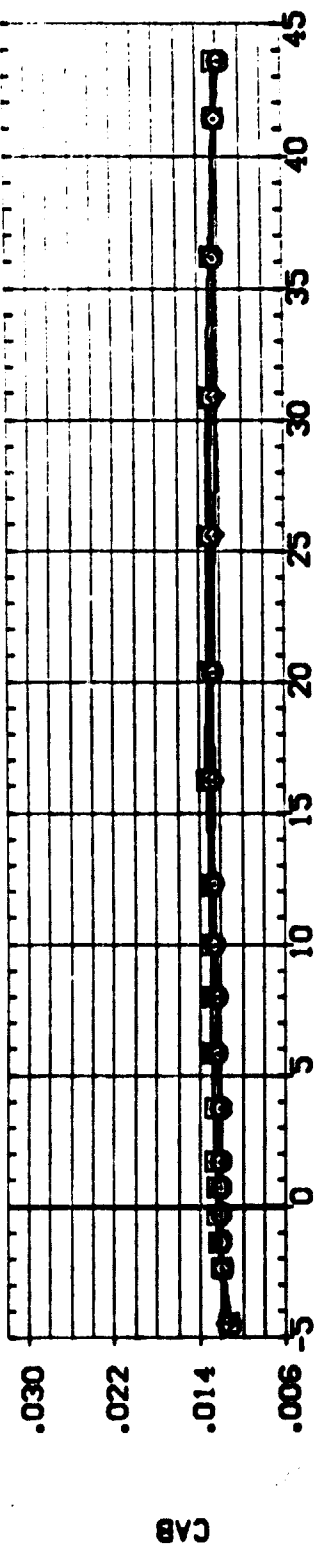
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	EDFLAP	SPODRK	FLUDDR	REF. IN.
(RMP23)	DATA UNVT 1035 CONF4	.000	.000	54.320	.000	87.1580
(RMP22)	DATA UNVT 1035 CONF4	.000	13.750	54.320	.000	7.1220
(RMP19)	DATA UNVT 1035 CONF4	.000	-14.250	54.320	.000	14.0502
						12.5772
						6.0000
						6.0000
						.0150
						SCALE



BODY FLAP DEFLECTED -1398 CONFIG

(A)MACH = 2.50

DATA SET SYMBOL: (RNP23) (RNP22) (RNP19)  
 CONFIGURATION DESCRIPTION: DAM1 UPVT 1035 CONF4, DAM1 UPVT 1035 CONF4, DAM1 UPVT 1035 CONF4  
 ELEVTR: .000, .000, .000  
 HOFLAP: .000, 13.750, -14.250  
 SPOBRK: 54.920, 54.920, 54.920  
 RUDDER: .000, .000, .000  
 REFERENCE INFORMATION: SREF 87.1560, LREF 7.1220, XMRP 12.5772, YMRP .0000, ZMRP 6.0000, SO.IN. 50.0000, IN.-ES 12.5772, IN.-ES 7.1220, IN.-ES 6.0000, SCALE .0150



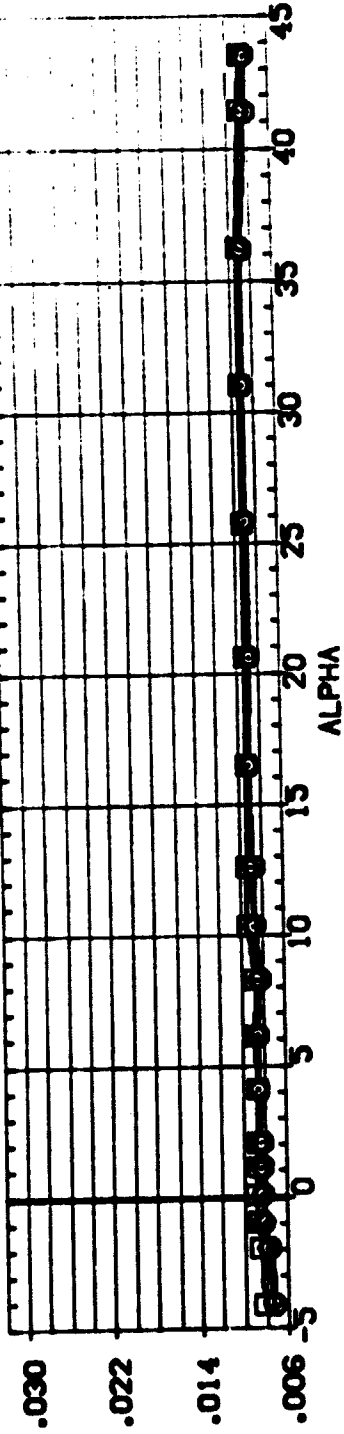
BODY FLAP DEFLECTED -1398 CONFIG  
 (B)MACH = 3.90

DATA SET SYMBOL: (MPP23) (MPP22) (MPP18)

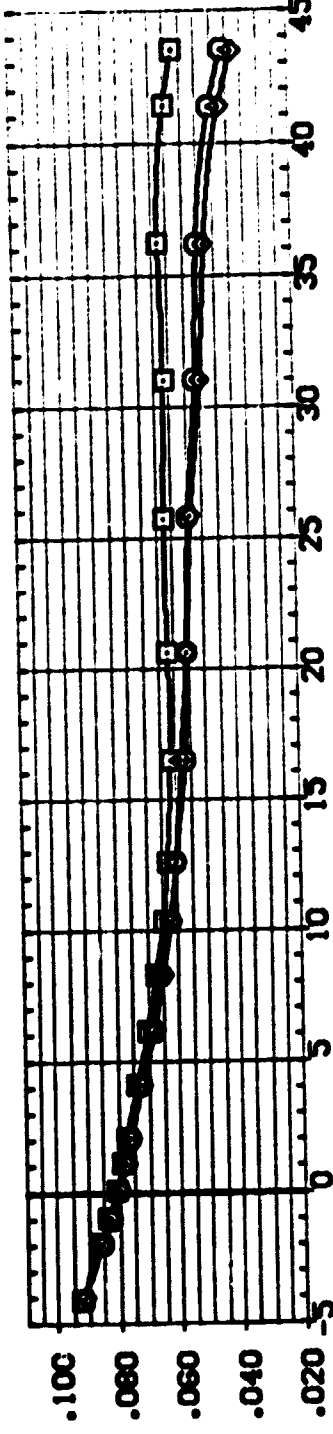
CONFIGURATION DESCRIPTION:  
 0441 UPVT 1035 CONF4  
 0442 UPVT 1035 CONF4  
 0443 UPVT 1035 CONF4  
 0444 UPVT 1035 CONF4

ELEVTR: .000  
 BDFLAP: .000  
 SPDRBK: 54.820  
 RUDDER: .000

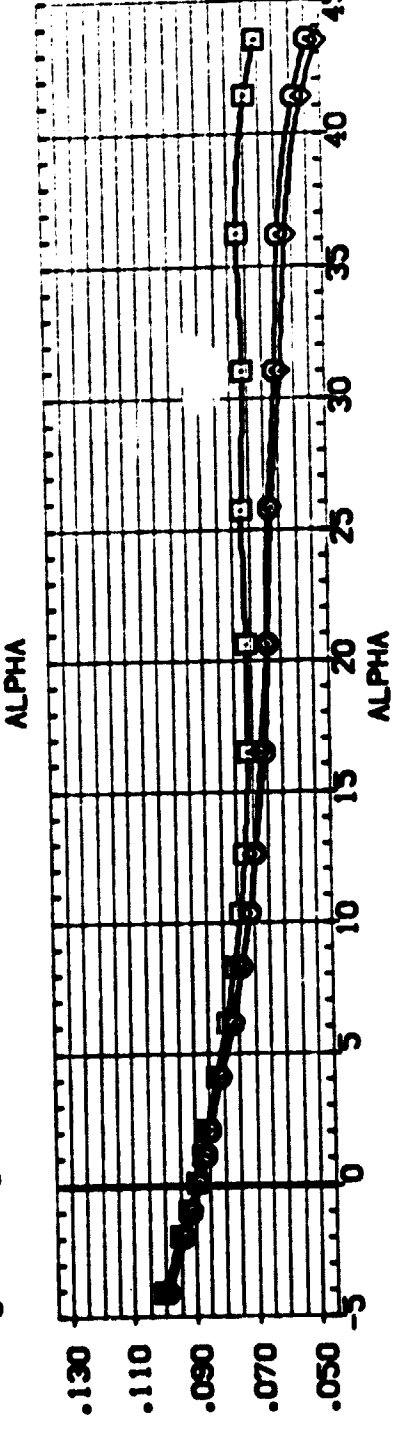
REFERENCE INFORMATION:  
 SREF: 87.1580 SQ. IN.  
 LREF: 7.1270 INCHES  
 BREF: 14.0502 INCHES  
 XREF: 12.5772 INCHES  
 YREF: .0000 INCHES  
 ZREF: 6.0000 INCHES  
 SCALE: .0150



CAB



CAF



CA

BODY FLAP DEFLECTED -1398 CONF16

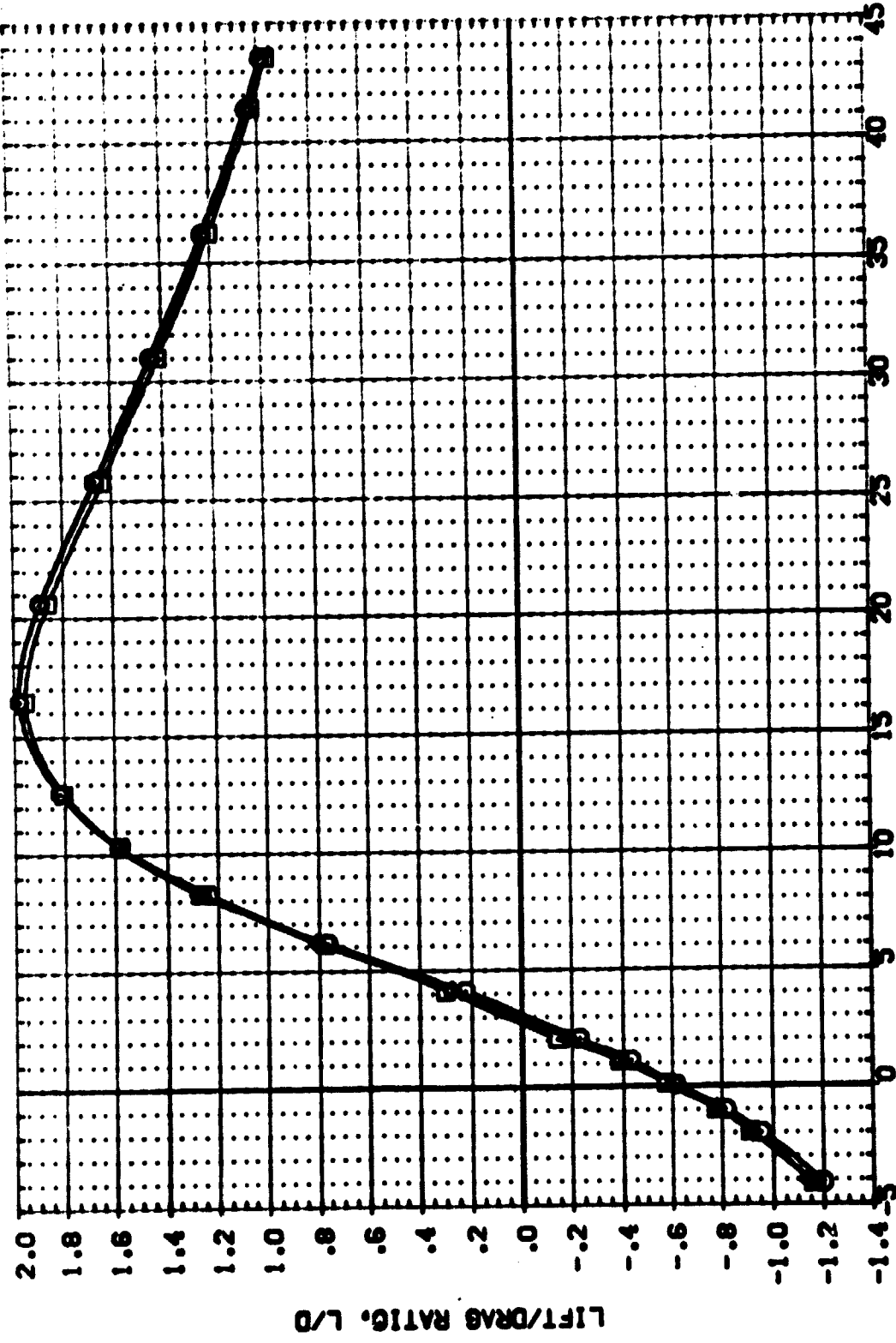
(C)MACH = 4.60







DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BOFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
{ 18P22 }	8A44 UPVT 1035 CONF4	.000	.000	54.920	.000	SREF 97.1550 SO.IN.
{ 18P22 }	8A44 UPVT 1035 CONF4	.000	13.750	54.920	.000	LREF 7.1220 IN-ES
{ 18P22 }	8A44 UPVT 1035 CONF4	.000	-14.250	54.920	.000	BREF 14.0502 IN-ES
						XMRP 12.5772 IN-ES
						VMXP 6.0000 IN-ES
						ZMRP 6.0000 IN-ES
						SCALE .0150 SCALE



ANGLE OF ATTACK, ALPHA, DEGREES

BODY FLAP DEFLECTED -1398 CONFIG

(C)MACH = 4.60

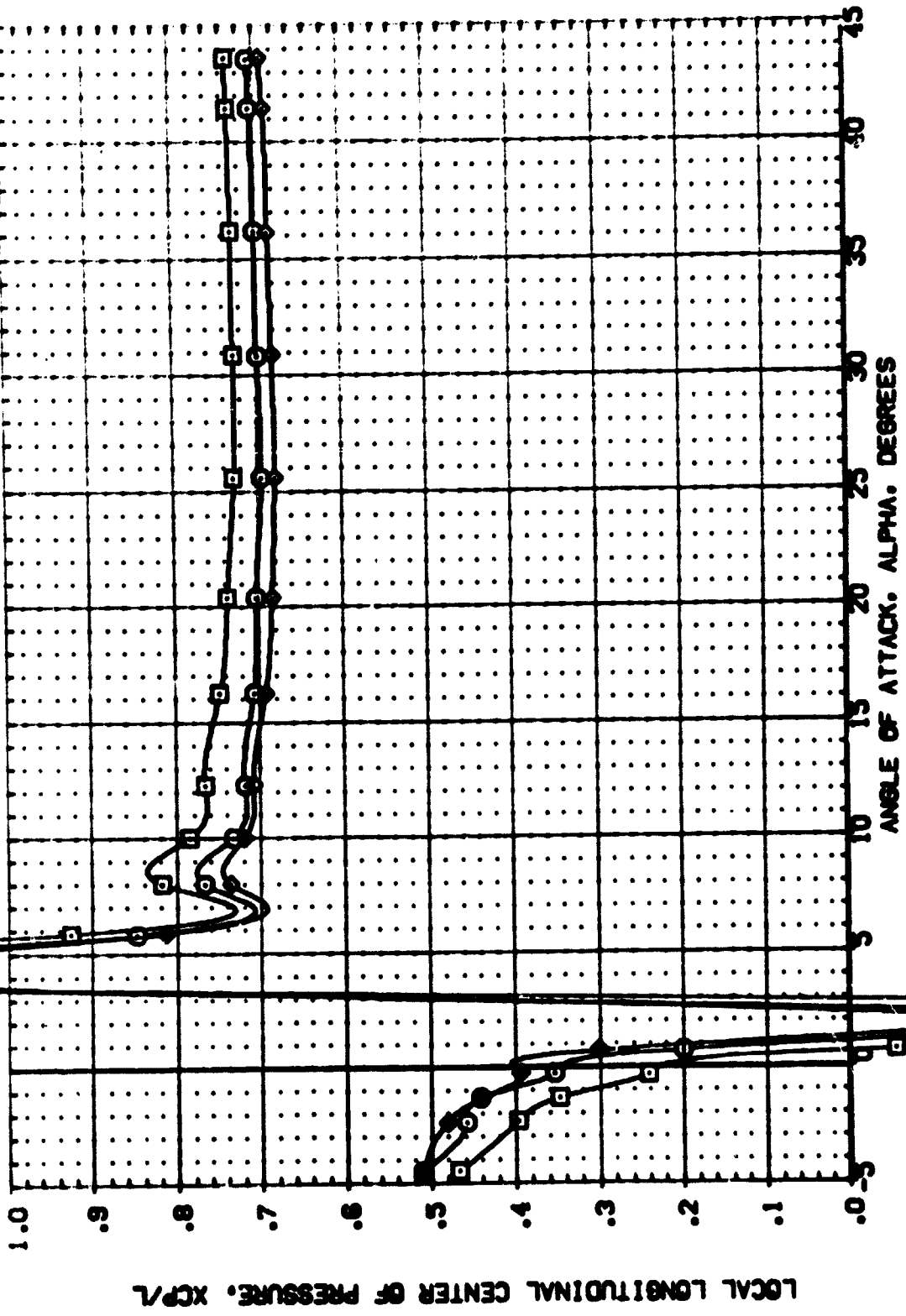


DATA SET SYMBOL: (MNP21) (MNP22) (MNP18)

CONFIGURATION DESCRIPTION:  
 0444 UPVT 1033 CONF4  
 0444 UPVT 1033 CONF4  
 0444 UPVT 1033 CONF4

REFERENCE INFORMATION:  
 SREF 67.1560 50. IN.  
 XREF 7.1220 INCHES  
 YREF 14.0502 INCHES  
 ZREF 12.5772 INCHES  
 YPROP .0000 INCHES  
 ZPROP 6.0000 INCHES  
 SCALE .0150 SCALE

ELEVTR BDFLAP SPOBRK RUDDER  
 .000 .000 .000 .000  
 .000 54.920 54.920  
 .000 19.750 54.920  
 .000 -14.250



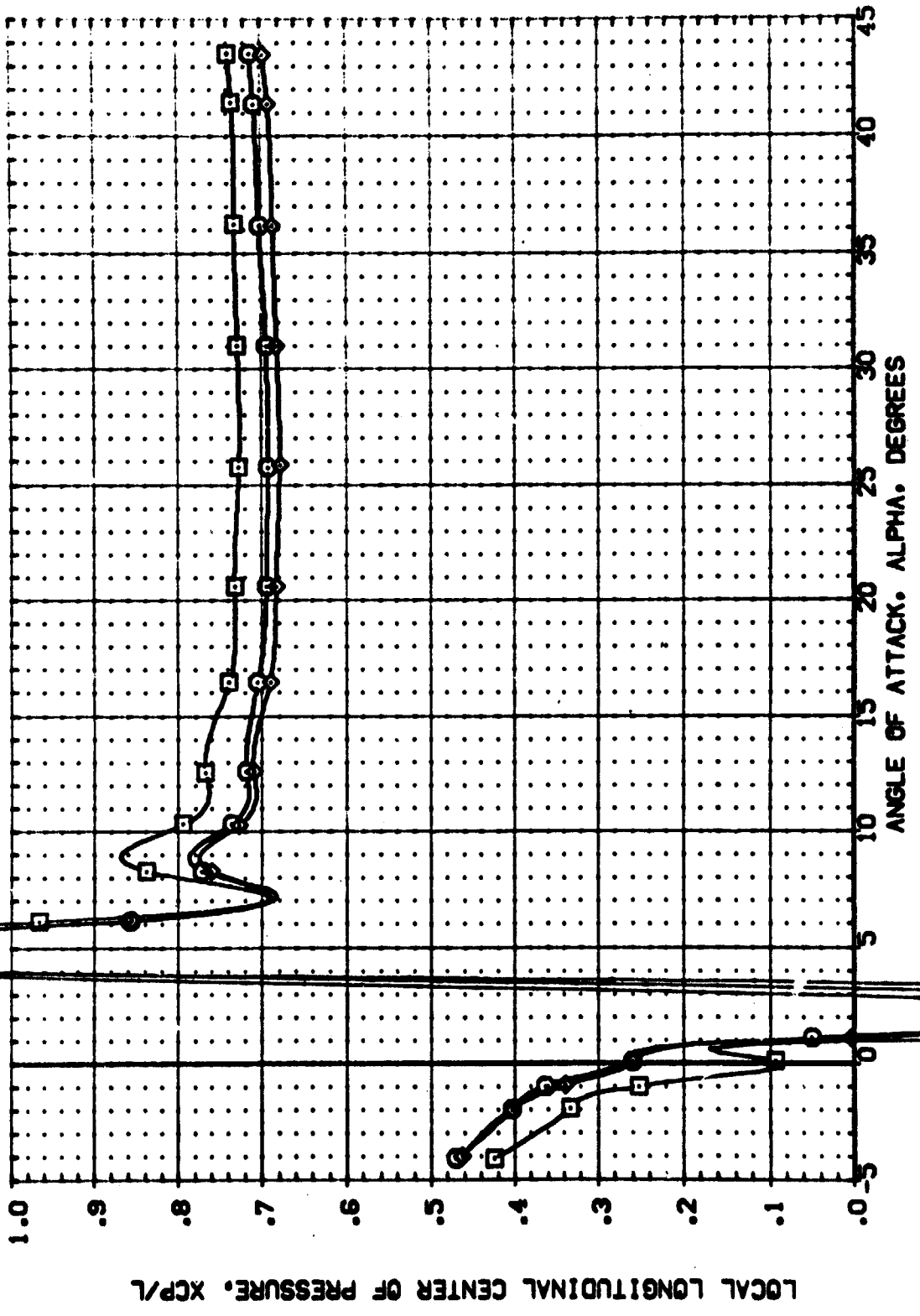
BODY FLAP DEFLECTED -1398 CONFIG  
 (B)MACH = 3.17

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [BPA23] 044 UPVT 1032 C044  
 [BPA22] 044 UPVT 1032 C044  
 [BPA18] 044 UPVT 1032 C044

REFERENCE INFORMATION  
 REF 07.1580 50 IN.  
 LREF 7.1220 INCHES  
 REF 14.0502 INCHES  
 XREF 12.5772 INCHES  
 YREF .0000 INCHES  
 ZREF 6.0000 INCHES  
 SCALE .0120

ELEVTR BDFLAP SPOBK RUDDER  
 .000 .000 .000 .000  
 .000 13.250 54.820 .000  
 .000 -14.250 54.820 .000

B1S7E2F3M4S5V7I07X18  
 B1S7E2F3M4S5V7I07X18  
 B1S7E2F3M4S5V7I07X18



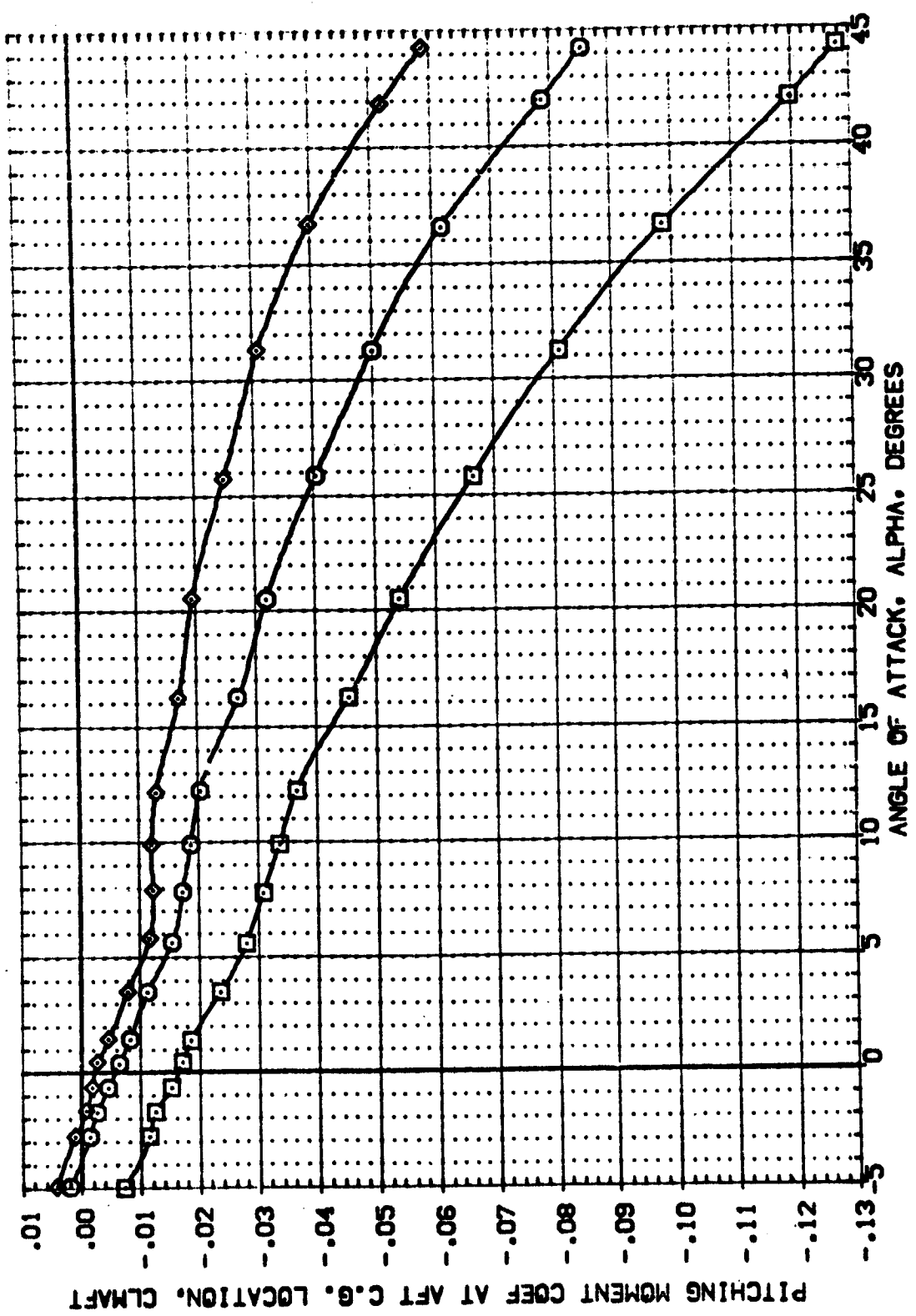
BODY FLAP DEFLECTED -1398 CONFIG

(C)MACH = 4.160

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (MPCZ23) 0A14 UPVT 1035 CONF4 B19C7E23F5M4RSV7V107X16  
 (MPCZ22) 0A14 UPVT 1035 CONF4 B19C7E23F5M4RSV7V107X16  
 (MPCZ19) 0A14 UPVT 1035 CONF4 B19C7E23F5M4RSV7V107X16

ELEVTR BDFLAP SPODBK RUDDER  
 .000 .000 .000 .000  
 .000 .000 .000 .000  
 .000 13.750 54.520  
 .000 -14.250 54.520

REFERENCE INFORMATION  
 SREF 87.5600 50. IN.  
 LREF 7.1220 INCHES  
 BREF 14.0502 INCHES  
 XPRP 12.8643 INCHES  
 YPRP .0000 INCHES  
 ZPRP 6.0000 INCHES  
 SCALE .0150 SCALE



BODY FLAP DEFLECTED -1398 CONFIG

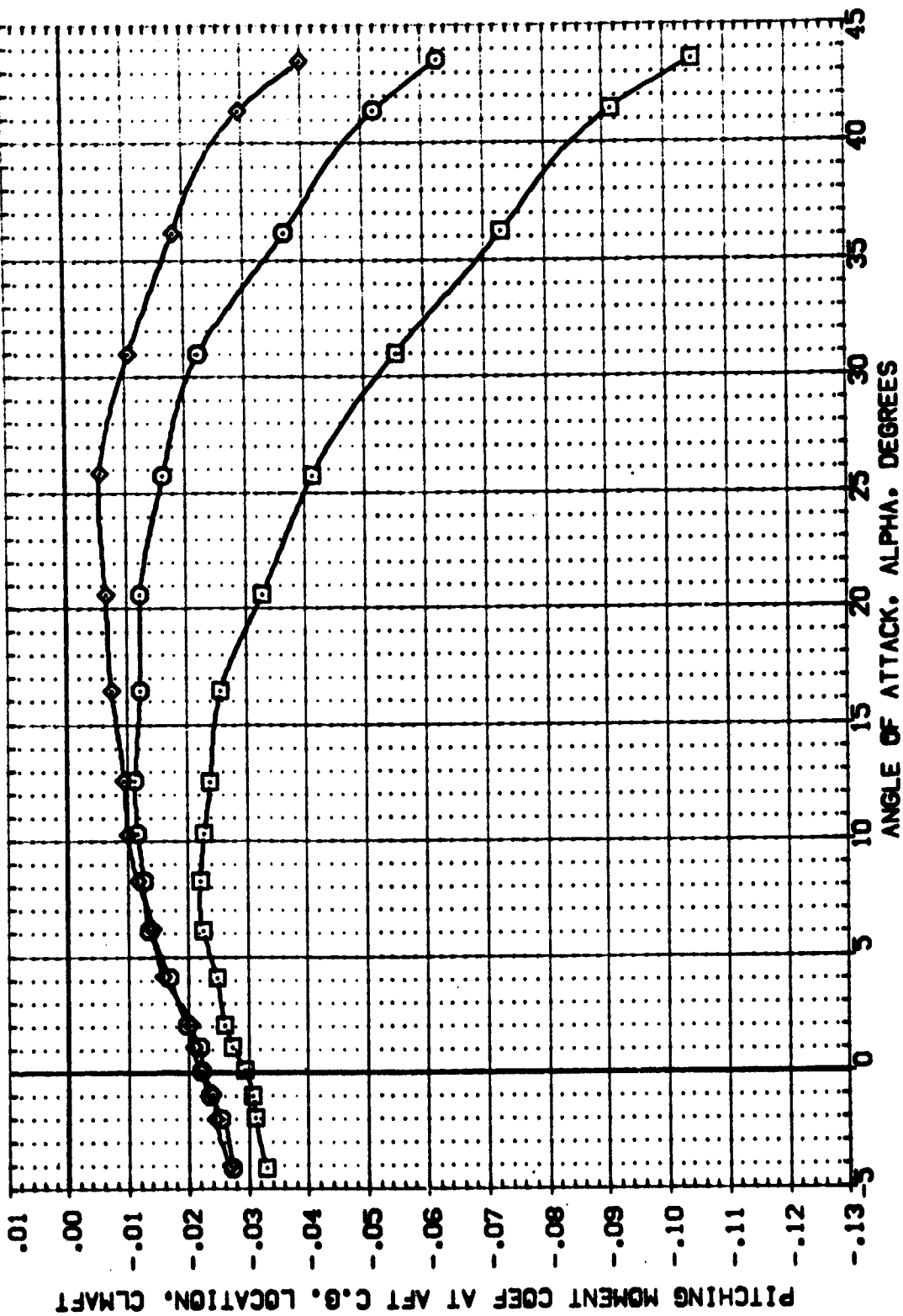
(A)MACH = 2.50



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (MPCZ1) 0444 UPVT 1035 CONF4 81SC7E23-SMRSV7107X18  
 (MPCZ2) 0444 UPVT 1035 CONF4 81SC7E23-SMRSV7107X18  
 (MPCZ18) 0444 UPVT 1035 CONF4 81SC7E23-SMRSV7107X18

ELEVTR BOFLAP SPOBRK RUDDER  
 .000 .000 54.520 .000  
 .000 13.750 54.520 .000  
 .000 -14.250 54.520 .000

REFERENCE INFORMATION  
 SREF 97.5600 50.14  
 LREF 7.1220 INCHES  
 XREF 14.0502 INCHES  
 YREF 12.5643 INCHES  
 ZREF .0000 INCHES  
 ZAMP 6.0000 INCHES  
 SCALE .0150 SCALE



BODY FLAP DEFLECTED -1398 CONFIG

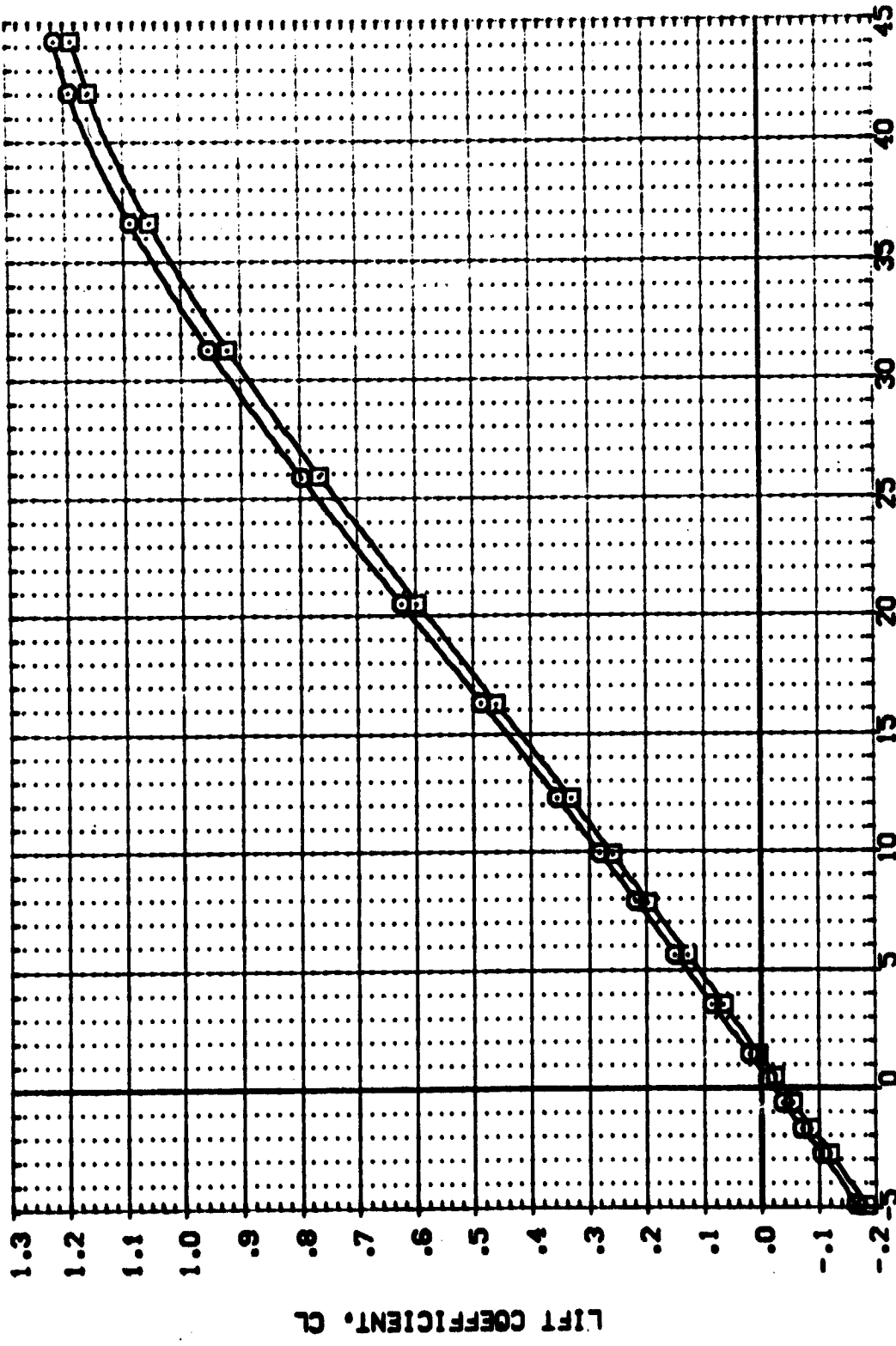
(C)MACH = 4.60



DATA SET SYMBOL: 8  
 CONFIGURATION DESCRIPTION: 821C7E23-34W5V7107X18  
 821C7E23-34W5V7107X18  
 8M4 UPVT 1005 C0F4  
 8M4 UPVT 1005 C0F4

ELEVTR: .000  
 BDPLAP: 13.750  
 SPORK: 54.500  
 RUDDER: .000

REFERENCE INFORMATION:  
 SNET: 87.1500 SQ. IN.  
 LNET: 7.1220 INCHES  
 PNET: 14.0502 INCHES  
 XTRP: 12.5772 INCHES  
 YTRP: .0000 INCHES  
 ZTRP: 6.0000 INCHES  
 SCALE: .0150 SCALE



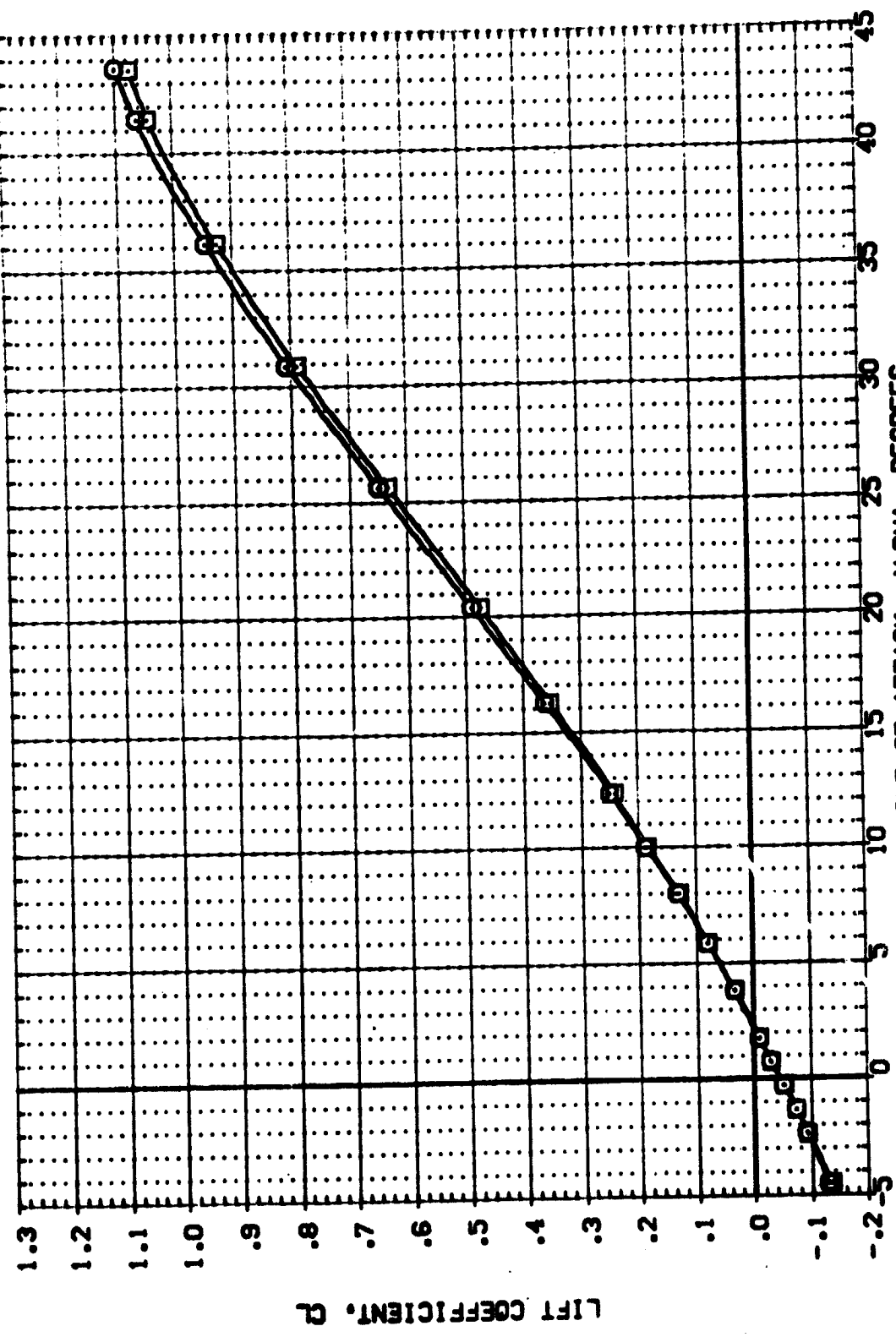
ANGLE OF ATTACK, ALPHA, DEGREES

LIFT COEFFICIENT, CL

BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(A)MACH = 2.50

DATA SET SYMBOL: 8A14 UPVT 1035 CONF4  
 CONFIGURATION DESCRIPTION: 821C7E2ZP3H4B5V7107X18  
 821C7E2ZP3H4B5V7107X18  
 REFERENCE INFORMATION: 50. IN. INCHES  
 87.1560 INCHES  
 7.1220 INCHES  
 14.6502 INCHES  
 12.5772 INCHES  
 6.0000 INCHES  
 6.0000 INCHES  
 6.0150 INCHES  
 SCALE: .0150



ANGLE OF ATTACK, ALPHA, DEGREES

BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(B)MACH = 3.90

DATA SET SYMBOL: 044 UPT 1035 CONF4  
 (WINGS) □ 044 UPT 1035 CONF4  
 (WINGS) □ 044 UPT 1035 CONF4

CONFIGURATION DESCRIPTION  
 021C7E2F3H8S7V107A18  
 021C7E2F3H8S7V107A18

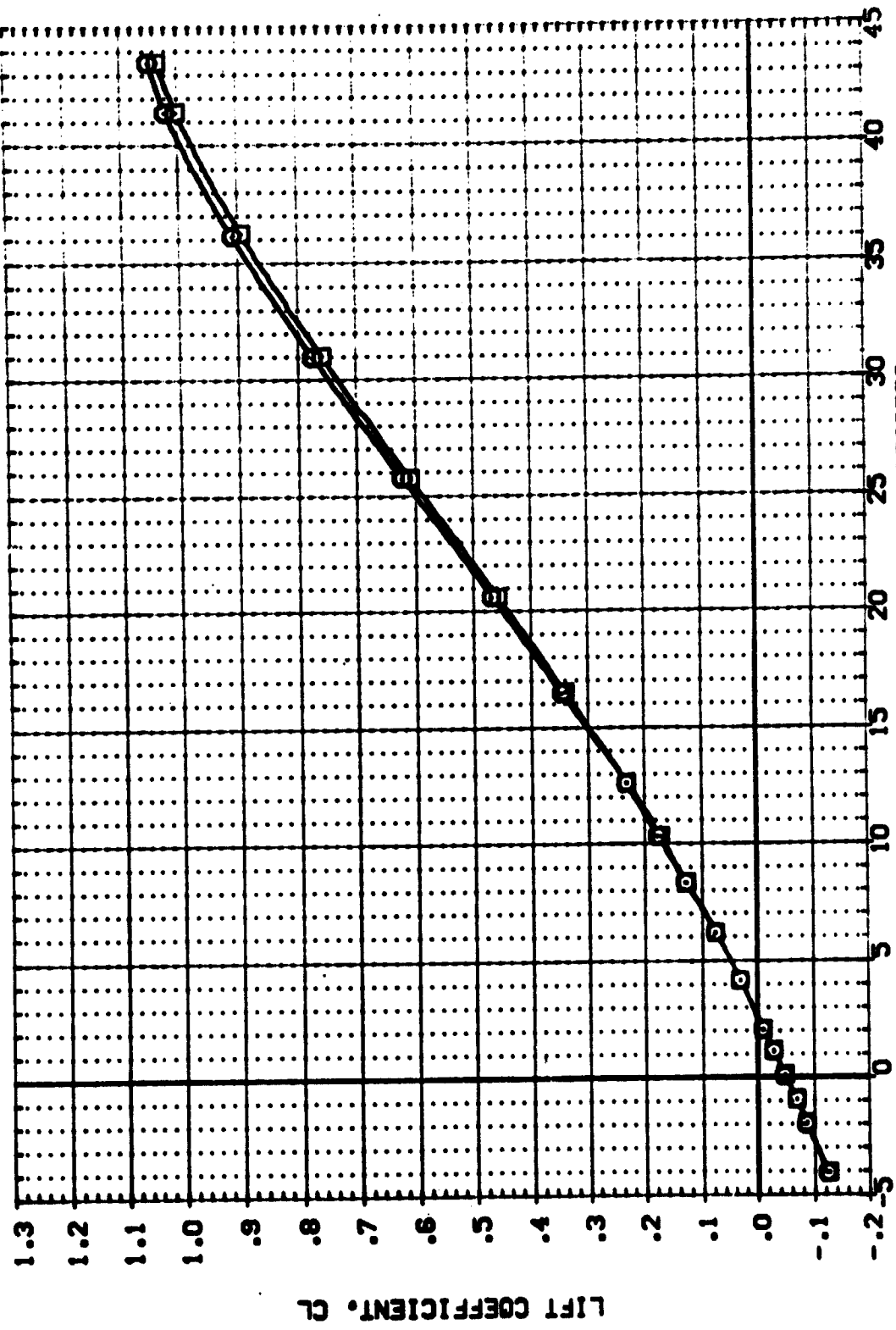
ELEVTR 00.000  
 00.000

SDFLAP 13.750  
 -14.250

SPDRK 54.520  
 54.520

RUDDR 0.000  
 0.000

REFERENCE INFORMATION  
 REF 87.1500 90. IN  
 LINE 7.1220 INCHES  
 REF 14.0502 INCHES  
 YAMP 12.5772 INCHES  
 ZAMP 6.0000 INCHES  
 SCALE .0150 SCALE

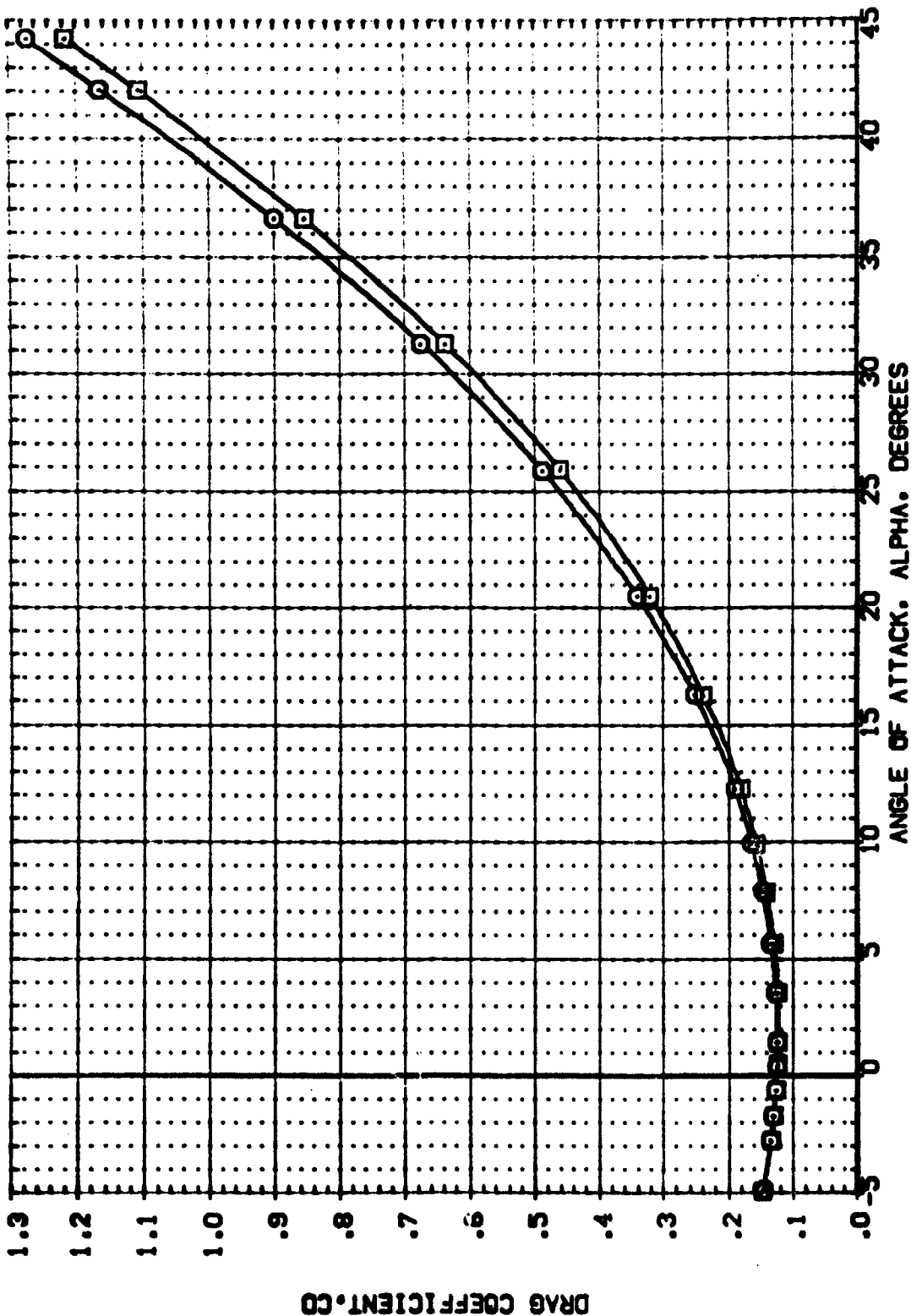


ANGLE OF ATTACK, ALPHA, DEGREES  
 BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE  
 (C)MACH = 4.60

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (MPREZ) □ 8M44 UPVT 1035 CONF4 821C7E2F5448B7V107X18  
 (MPREZ) □ 8M44 UPVT 1035 CONF4 821C7E2F5448B7V107X18

ELEVTR	BOFLAP	SPDRBK	RUDDER
.000	13.750	54.920	.000
.000	-14.250	54.920	.000

REF	INCHES
87.1550	50.150
7.1220	10.000
14.0502	10.000
12.5772	10.000
.0000	10.000
6.0000	10.000
.0150	SCALE



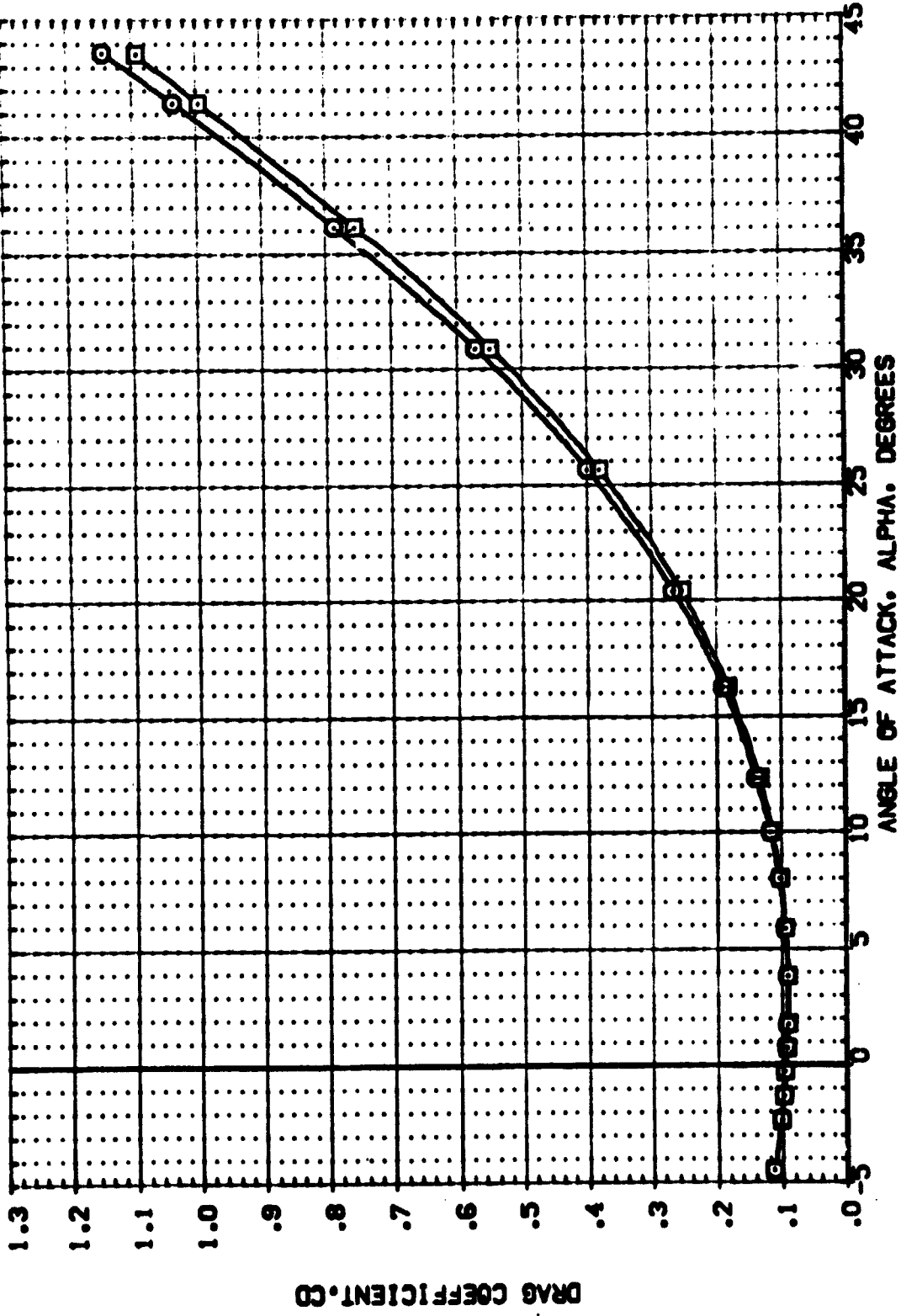
ANGLE OF ATTACK, ALPHA, DEGREES  
 BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(A)MACH = 2.50

DATA SET SHEET. CONFIGURATION DESCRIPTION  
 [REVISED] [ ] DATA UNIT 1000 CONF4 821C7E23F3MWSV7V107X18  
 [REVISED] [ ] DATA UNIT 1000 CONF4 821C7E23F3MWSV7V107X18

ELEVATOR DEFLECT 0.000  
 BODY FLAP DEFLECT -14.250  
 SPIN RATE 34.500  
 ROLL RATE 0.000

REFERENCE INFORMATION  
 SHEET 07.1500 50. IN.  
 UNIT 7.1270 100.00  
 XREF 14.0002 100.00  
 YREF 12.5772 100.00  
 ZREF 6.0000 100.00  
 SCALE .0150 INCHES



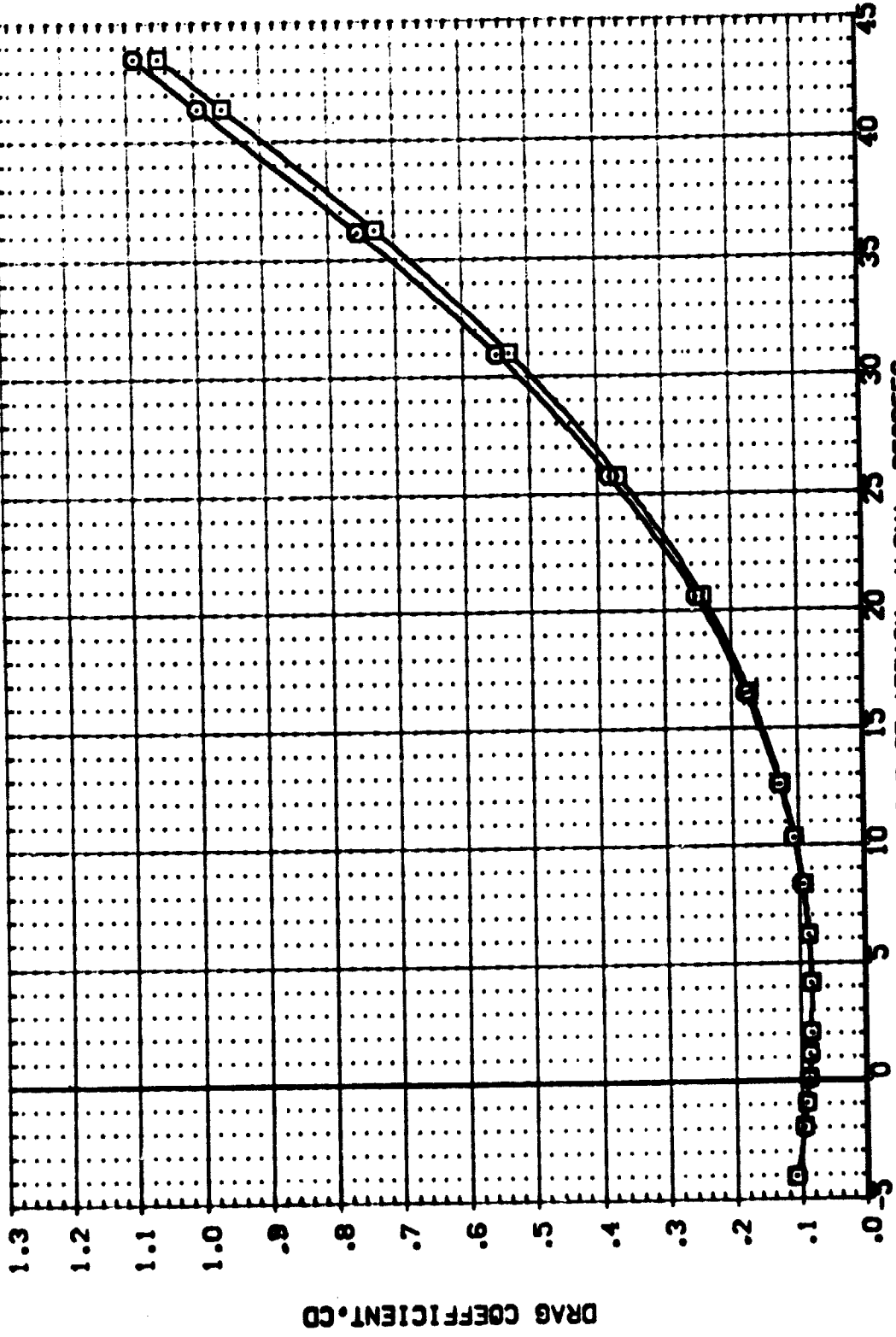
BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

3.90 MACH = 3.90

DATA SET SYMBOL: 8444 UPVT 1005 CONF4  
 (RANGE) 8444 UPVT 1005 CONF4  
 CONFIGURATION DESCRIPTION: 821C7E23-34W577107X18  
 821C7E23-34W577107X18

ELEVTR: .000  
 BDFLAP: 13.750  
 SPOBRK: 54.820  
 RUDDER: .000

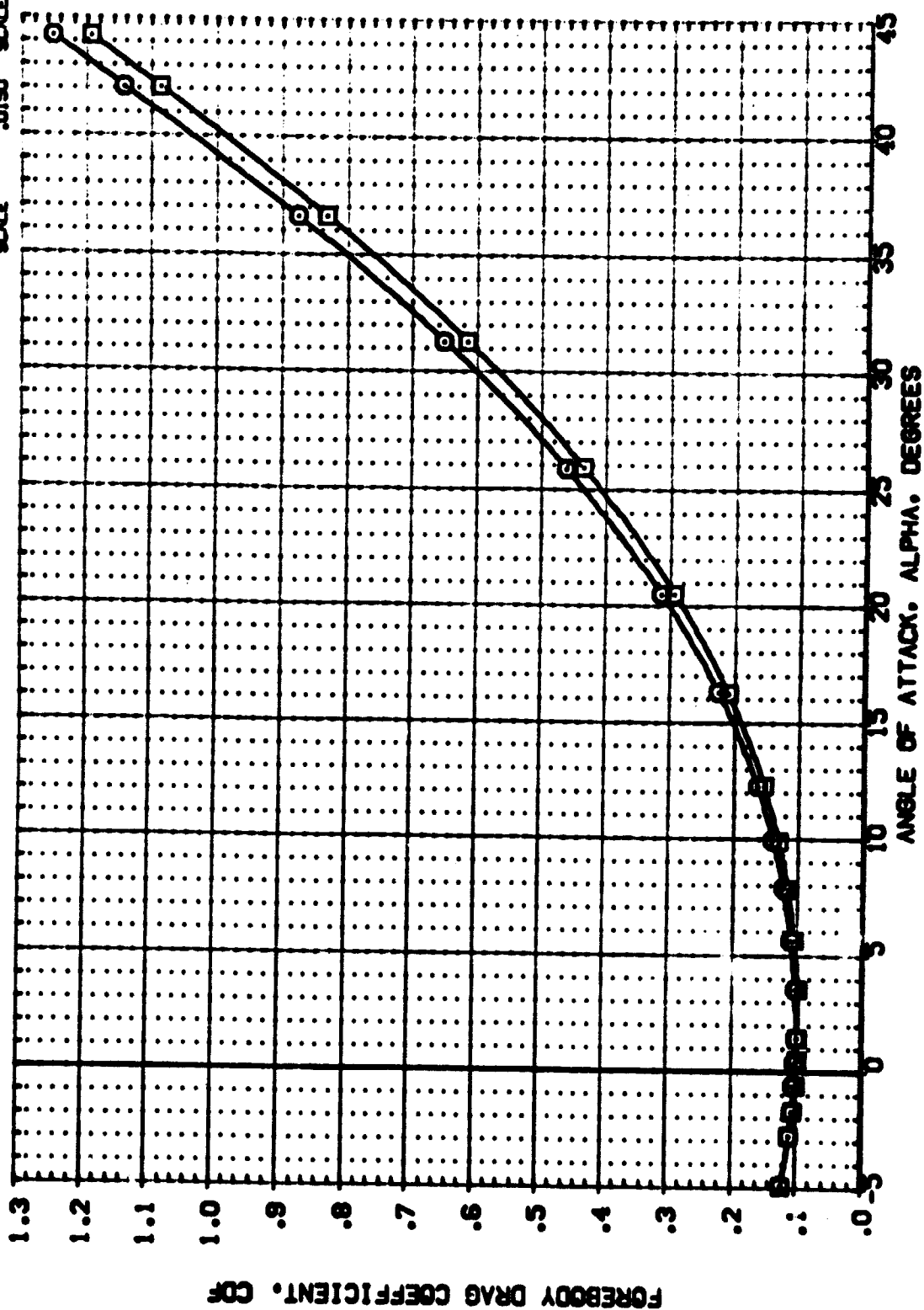
REFERENCE INFORMATION:  
 SREF: 87.1560 SQ. IN.  
 LREF: 7.1220 INCHES  
 XREF: 14.0502 INCHES  
 YREF: 12.5772 INCHES  
 ZREF: .0000 INCHES  
 SCALE: 6.0000 INCHES  
 .0150 INCHES



ANGLE OF ATTACK, ALPHA, DEGREES  
 BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

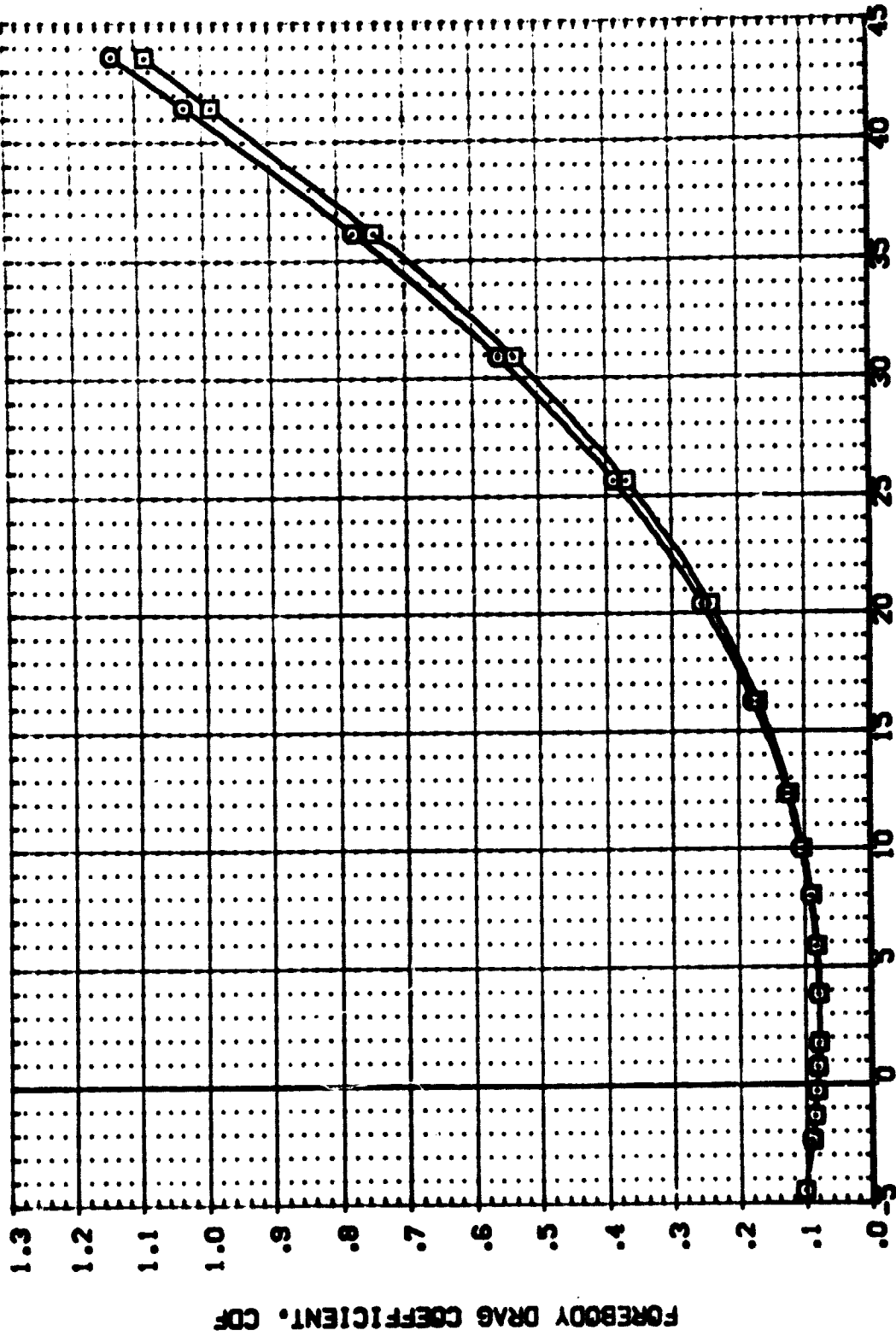
(C)MACH = 4.60

DATA SET 0488L CONFIGURATION DESCRIPTION REFERENCE INFORMATION  
 (REVISED) □ DATA UNIT 1000 CONF1 8217223-3448374107218 REF 87.1250 50. IN  
 (REVISED) □ DATA UNIT 1000 CONF1 8217223-3448374107218 LIFT 7.1220 NOSES  
 (REVISED) □ DATA UNIT 1000 CONF1 8217223-3448374107218 MOM 14.2500 NOSES  
 (REVISED) □ DATA UNIT 1000 CONF1 8217223-3448374107218 YAWP 12.5772 NOSES  
 (REVISED) □ DATA UNIT 1000 CONF1 8217223-3448374107218 YPRP 6.0000 NOSES  
 (REVISED) □ DATA UNIT 1000 CONF1 8217223-3448374107218 SCALE .0150 SCALE



BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE  
 MACH = 2.50

DATA SET SYMBOL: **B** CONFIGURATION DESCRIPTION: **811233-343537/107118**  
 (MACH) **0** **811233-343537/107118**  
 REFERENCE INFORMATION:  
 REF: **67.1500** NO. IN: **90. IN.**  
 LEF: **7.1200** NO. OF: **NOSES**  
 WPT: **14.0000** NO. OF: **NOSES**  
 WTP: **12.0000** NO. OF: **NOSES**  
 WWP: **6.0000** NO. OF: **NOSES**  
 SCALE: **6.0000** SCALE: **SCALE**



ANGLE OF ATTACK, ALPHA, DEGREES

BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

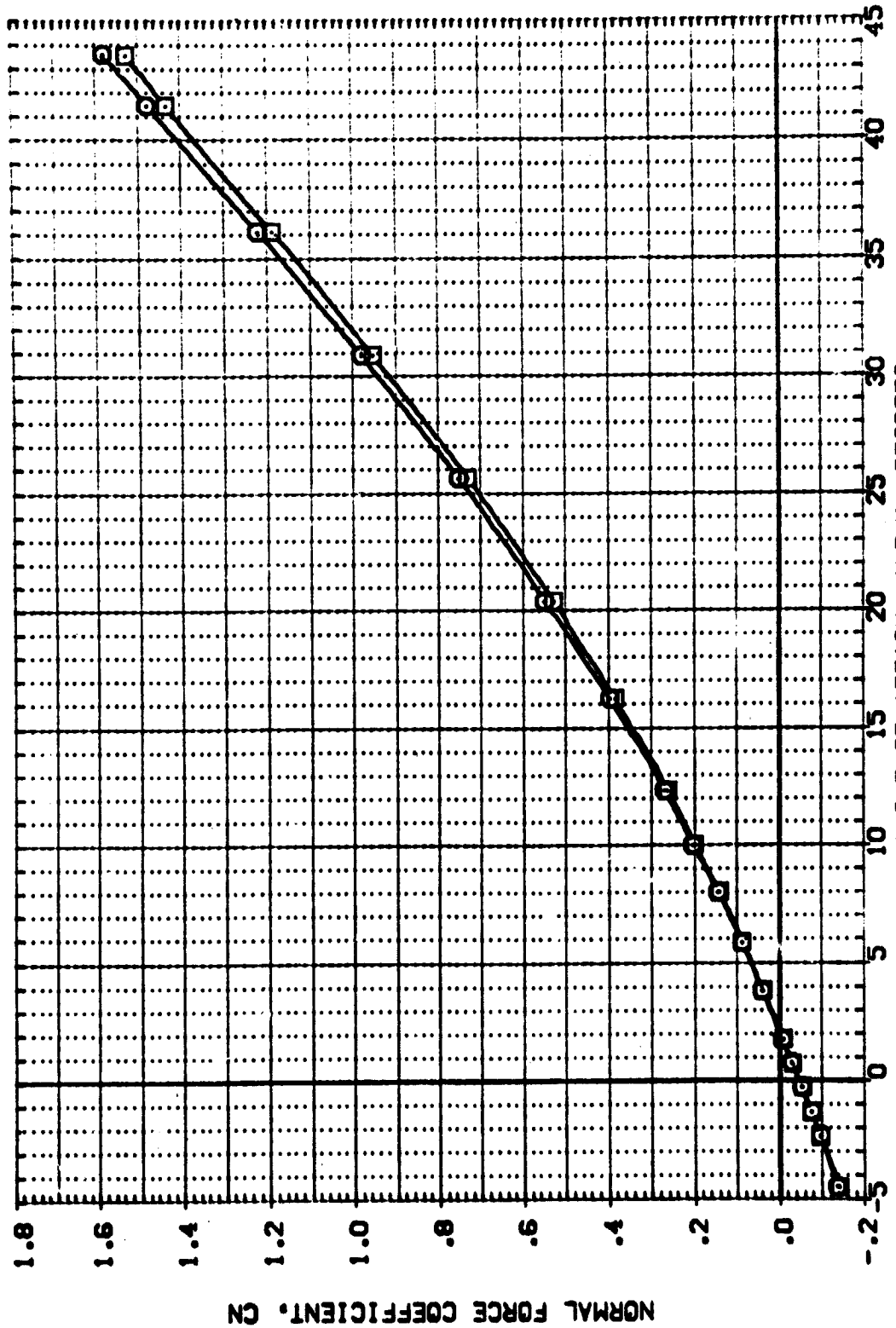
(B)MACH = 3.90







DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	SDFLAP	SPODBK	RUDDER	REFERENCE INFORMATION
(WPAZB) □	044 UPT 1035 CONF4	.000	13.750	54.920	.000	7.1560
(WPAZB) □	044 UPT 1035 CONF4	.000	-14.250	54.920	.000	7.1220
	B21C7EZF3H4RS7N107X16					14.0502
	B21C7EZF3H4RS7N107X16					12.5772
						.0000
						.0000
						.0150
						SCALE



ANGLE OF ATTACK, ALPHA, DEGREES

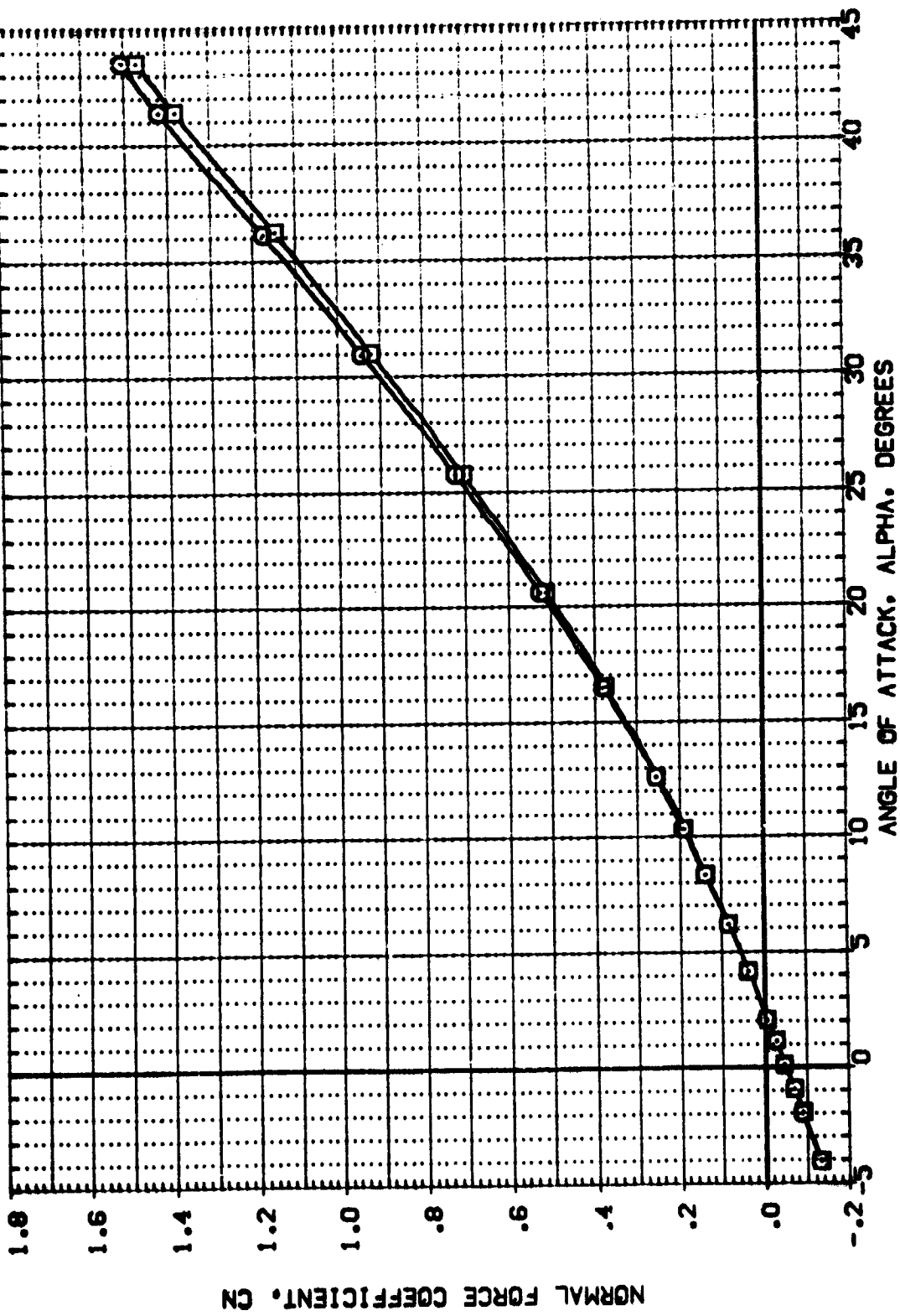
BODY FLAP DEFLECTED - 1.998 CONFIG WITH MODIFIED NOSE

(B)MACH = 3.90

DATA SET SYMB. CONFIGURATION DESCRIPTION  
 (UNITS) □ 8444 UPVT 1000 C004 8412333-3440007107218

ELEVTR DEF LAP SPURK FLIDER  
 .000 -12.700 01.000 .000

REFERENCE INFORMATION  
 REF 07.1500 80. IN  
 LEF 7.1220 INCHES  
 WOP 14.0502 INCHES  
 YWOP 12.5772 INCHES  
 ZWOP 6.0000 INCHES  
 SCALE .0160



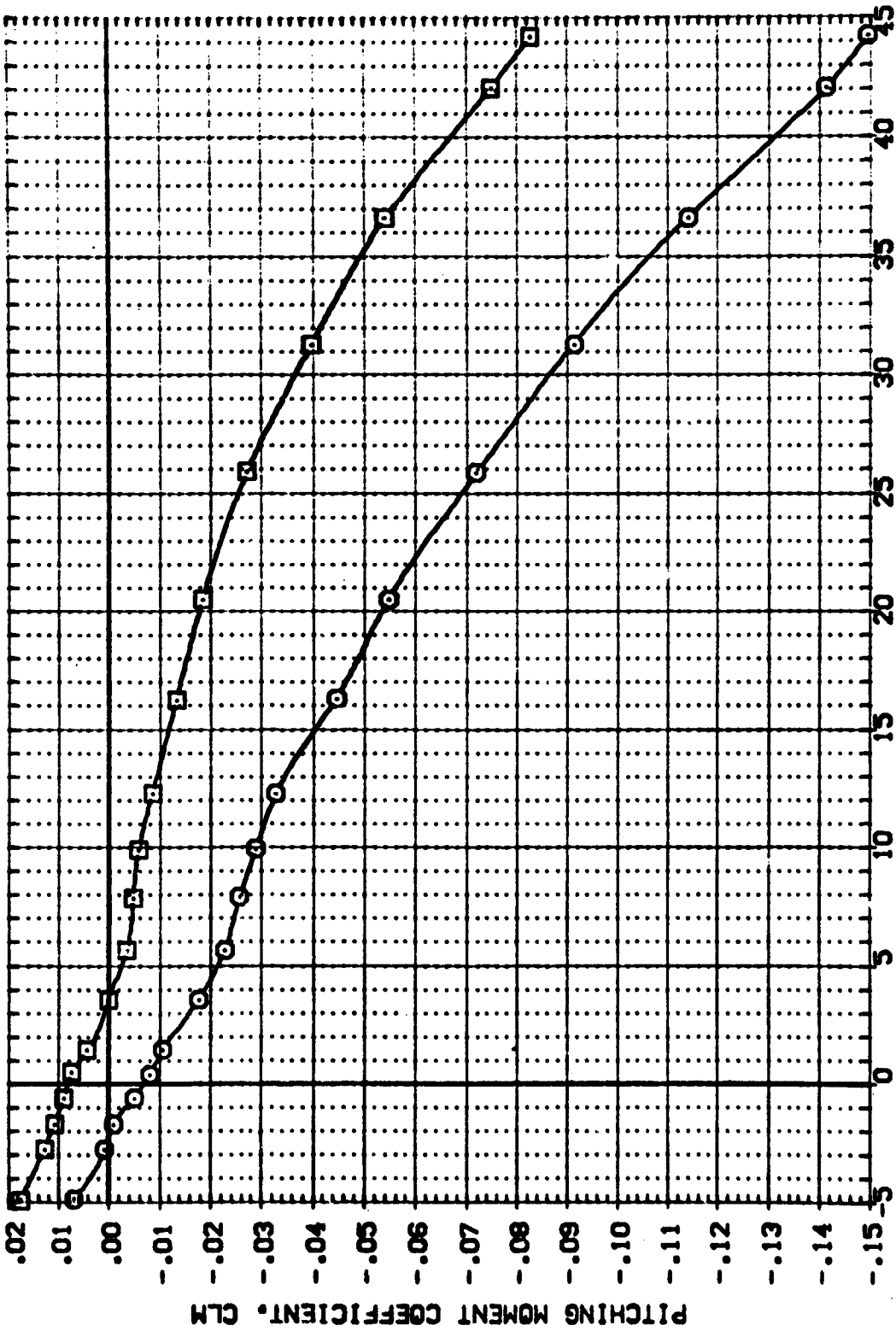
BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(C)MACH = 4.60

DATA SET SYMBOL: 8444 UPVT 1055 CONF4  
 CONFIGURATION DESCRIPTION: 821C7E23-3-4WSV7V107X18  
 8444 UPVT 1055 CONF4 821C7E23-3-4WSV7V107X18

ELEVTR 80FLAP 8PDRBK 8LDDER  
 .000 13.750 54.520 .000  
 .000 -14.250 54.520 .000

REFERENCE INFORMATION  
 SREF 67.1580 92 IN  
 LREF 7.1220 INCHES  
 BREF 14.0502 INCHES  
 XREF 12.5772 INCHES  
 YREF 6.0000 INCHES  
 ZREF 6.0000 INCHES  
 SCALE .0150



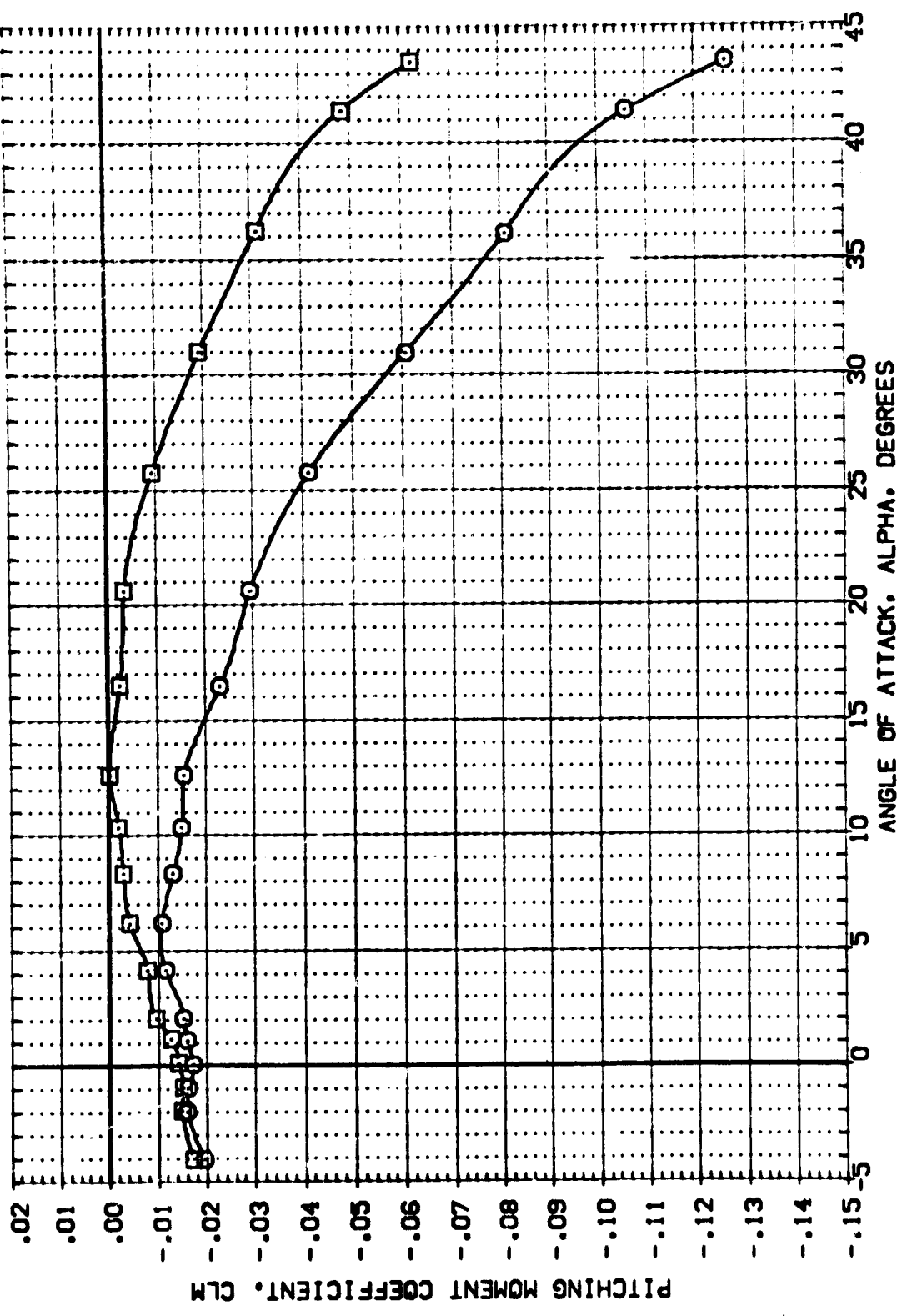
ANGLE OF ATTACK, ALPHA, DEGREES  
 BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(A)MACH = 2.50



DATA SET SYMBOL: (RPMZ28) (RPMZ28) }  
 CONFIGURATION DESCRIPTION: DATA UPVT 1035 CONF4 B21C7E2Z3F54UR5V7V107X16  
 DATA UPVT 1035 CONF4 B21C7E2Z3F54UR5V7V107X16  
 REFERENCE INFORMATION:  
 SREF 87.1560 SQ. IN.  
 LREF 7.1220 INCHES  
 BREF 14.6502 INCHES  
 XPRP 12.5772 INCHES  
 YPRP .0000 INCHES  
 ZPRP 6.0000 INCHES  
 SCALE .0150 SCALE

ELEVTR .000  
 BDFLAP 13.750  
 SPDBRK 54.520  
 RUDDER .000



BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE  
 (C)MACH = 4.60

DATA SET SYMBOL: 044 UPVT 1038 CONF 4  
 (RPNZS) 044 UPVT 1038 CONF 4  
 (RPNZS) 044 UPVT 1038 CONF 4

CONFIGURATION DESCRIPTION:  
 044 UPVT 1038 CONF 4  
 044 UPVT 1038 CONF 4

ELEVTR 00.000  
 BOFLAP 13.750  
 SPDRK 54.520  
 RUDDR 0.000

REFERENCE INFORMATION:  
 SNET 87.1550 50. IN.  
 LINEF 7.1220 IN.-ES  
 BRFF 14.0502 IN.-ES  
 XPRP 12.5772 IN.-ES  
 YPRP 6.0000 IN.-ES  
 ZPRP 6.0000 IN.-ES  
 SCALE .0150 SCALE



PITCHING MOMENT COEFFICIENT, CLM  
 BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(M)MACH = 2.50

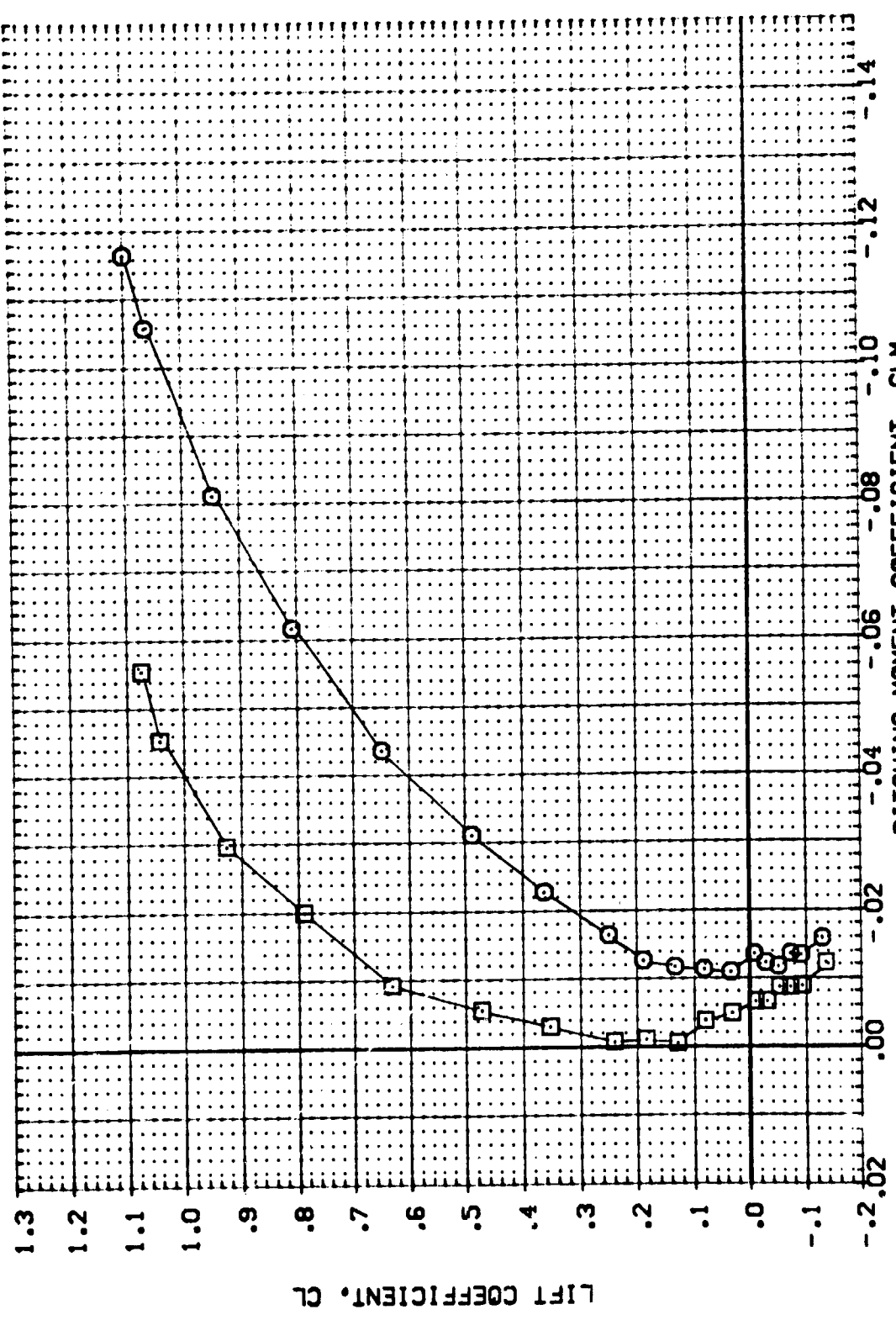




DATA SET SYMBOL:  $\square$  CONFIGURATION DESCRIPTION: 821C7E23-54R8V/107X16  
 (REF-28) 8A44 UPVT 1035 CONF4  
 (REF-25) 8A44 UPVT 1035 CONF4

ELEVTR BDFLAP SPOBRK RUDDER  
 .000 13.750 54.970 .000  
 .000 -14.250 54.970 .000

REFERENCE INFORMATION  
 SREF 87.1560 SQ. IN.  
 LREF 7.1220 IN.-ES  
 BREF 14.0502 IN.-ES  
 XMRP 12.5772 IN.-ES  
 YMRP 6.0000 IN.-ES  
 ZMRP 6.0000 IN.-ES  
 SCALE .0150



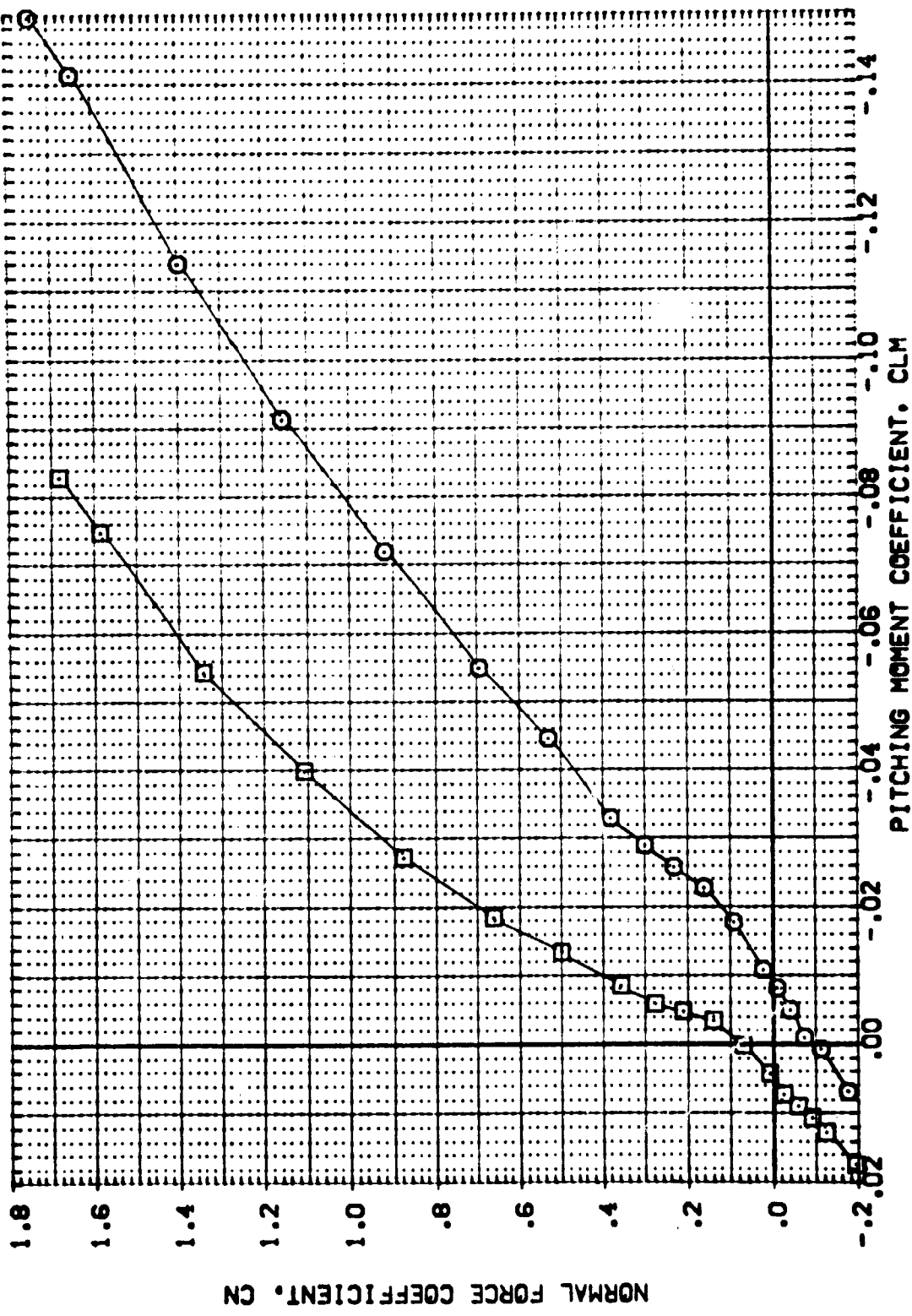
BODY FLAP DEFLECTED -139B CONFIG WITH MODIFIED NOSE

(B)MACH = 3.90





DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BOFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
{RPNZS}	0A44 UPVT 1035 CONF4	.000	13.750	54.520	.000	SREF 87.1560 SQ. IN.
{RPNZS}	0A44 UPVT 1035 CONF4	.000	-14.250	54.520	.000	LREF 7.1220 INCHES
	B21C7E23F34RSV7V107X18					BREF 14.0502 INCHES
	B21C7E23F34RSV7V107X18					XPRP 12.5772 INCHES
						ZPRP 6.0000 INCHES
						SCALE .0150



BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(A)MACH = 2.50

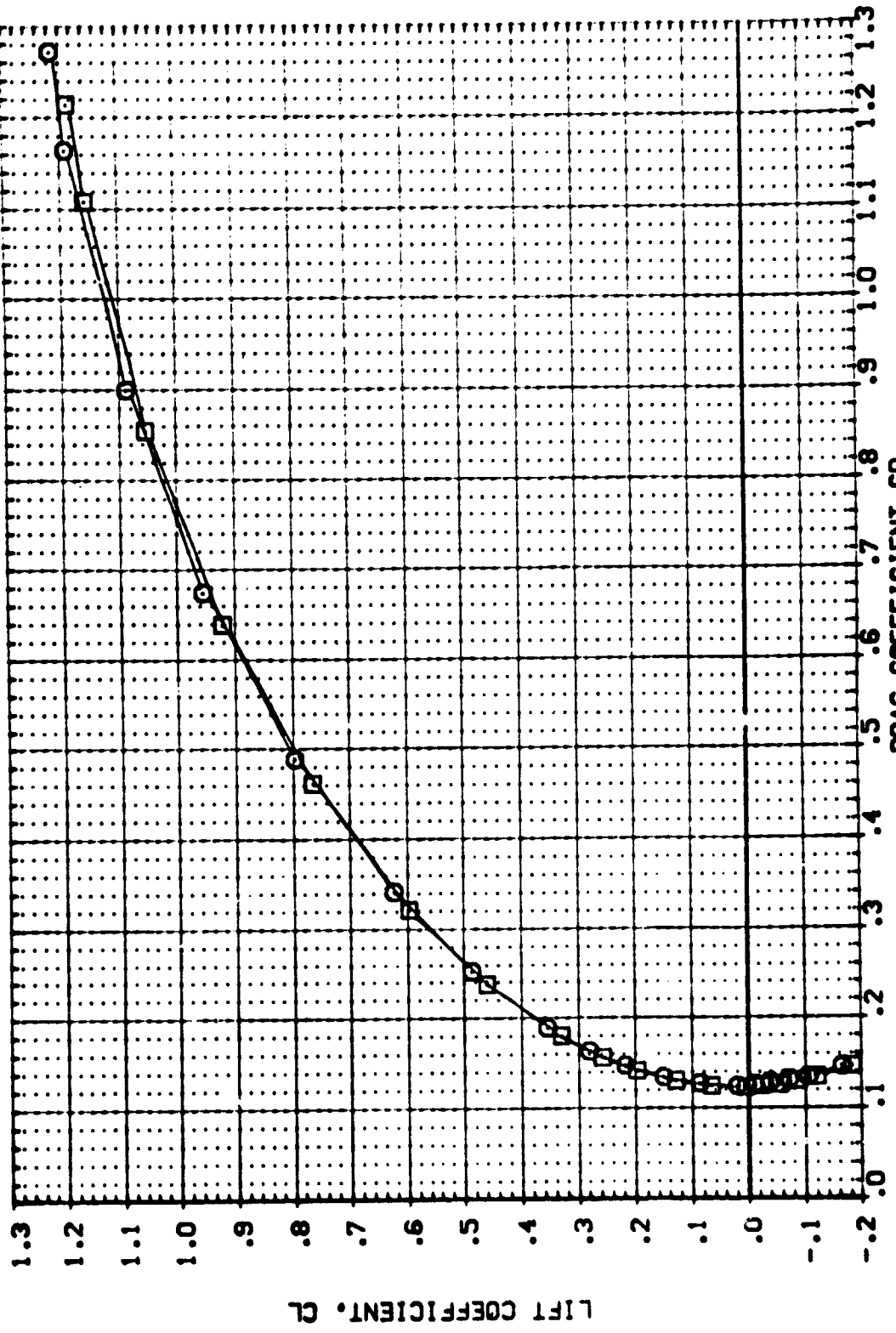




DATA SET SYMBOL: 0  
 CONFIGURATION DESCRIPTION: 81171233-3-1000-7-187118  
 (REVISED) 0  
 DATA UNIT: 1000  
 (REVISED) 0  
 DATA UNIT: 1000  
 (REVISED) 0

ELEVATION: .000  
 BODY FLAP: -12.200  
 SPIN: 21.500  
 ROLL: .000

REFERENCE INFORMATION:  
 GRID: 07.1500  
 UNIT: 7.1220  
 UNIT: 14.0000  
 UNIT: 12.5772  
 UNIT: 6.0000  
 UNIT: 6.0000  
 UNIT: .0150  
 SCALE:



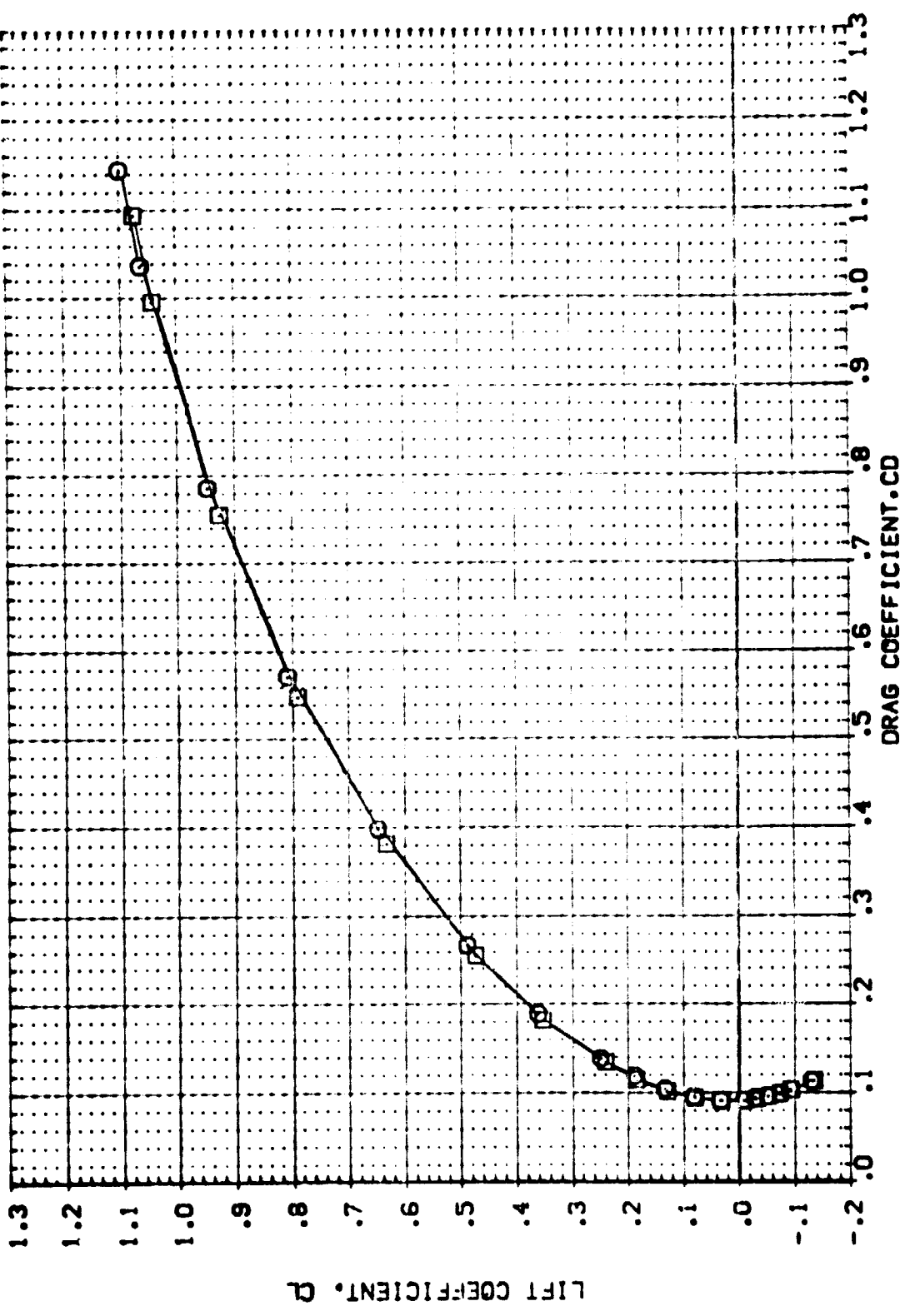
BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE  
 (MACH = 2.50)

REFERENCE INFORMATION  
 SREF 87.1580 90. IN  
 LREF 7.1720 INCHES  
 BREF 14.0502 INCHES  
 XREF 12.5772 INCHES  
 YREF .0000 INCHES  
 ZREF 6.0000 INCHES  
 SCALE .0150 SCALE

BLEVTR 80FLAP 80SPBK 80RDR  
 .000 13.750 54.520  
 .000 -14.250 54.520

CONFIGURATION DESCRIPTION  
 821C7E2F3MARSV7107X18  
 821C7E2F3MARSV7107X18

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (RPNZ8) 8A14 UPVT 1035 CONF4  
 (RPNZ5) 8A14 UPVT 1035 CONF4

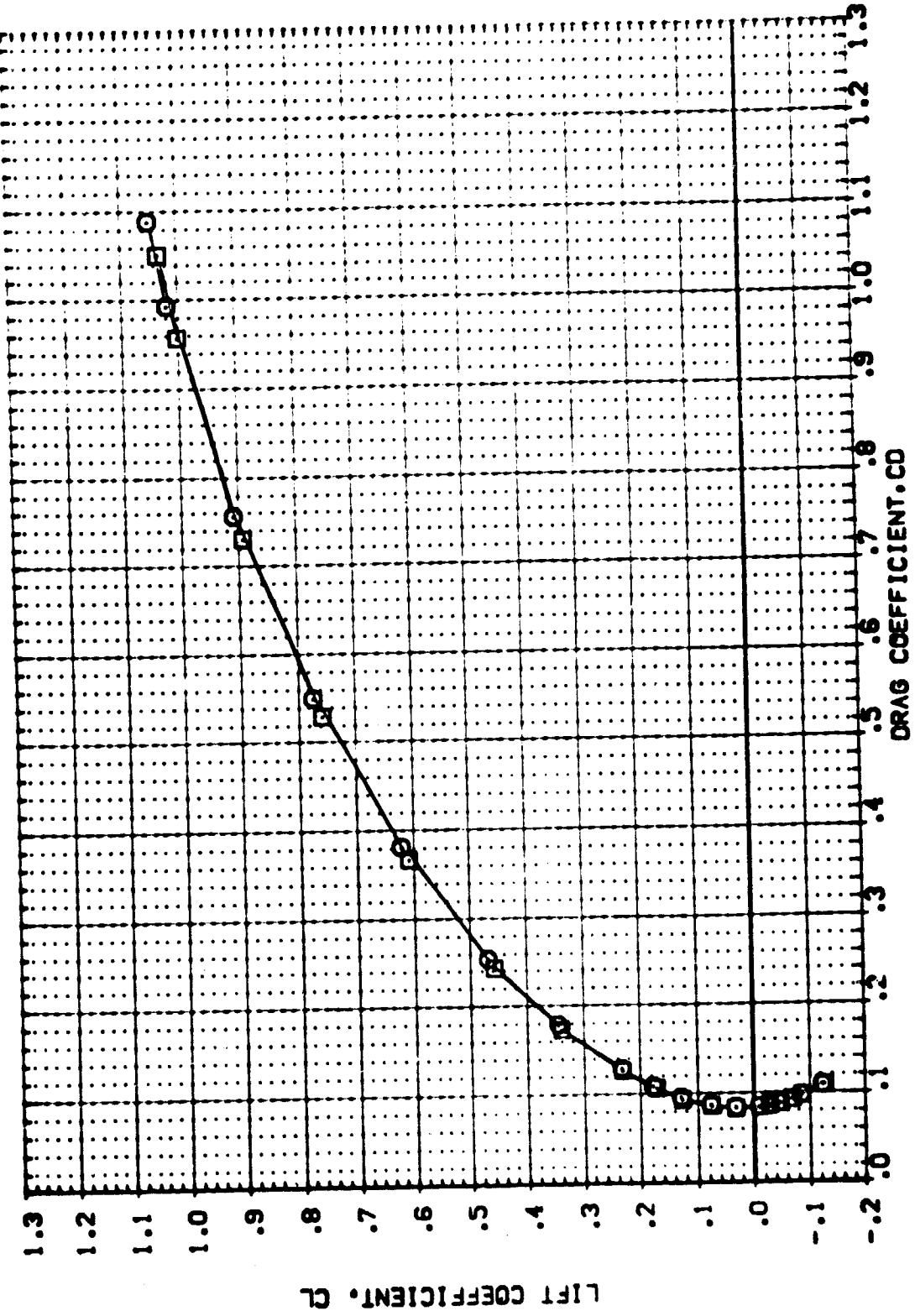


BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(B)MACH = 3.90

DATA SET SYMBOL: **CONFIGURATION DESCRIPTION**  
 (ADDRESS) **DATA UNIT 1888 8864** **ADDRESS RANGE 71187418**  
 REFERENCE INFORMATION  
 SET 07.1398 30. IN  
 DATE 7.1370 NO. 03  
 TIME 14.5573 NO. 03  
 YEAR 12.5773 NO. 03  
 MONTH 00.0000 NO. 03  
 DAY 00.0000 NO. 03  
 SCALE 6.0150 SCALE

CLVTR 80LAP 8700K 8000Y  
 .000 -13.738 31.828  
 .000 94.826



BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(C)MACH = 4.60



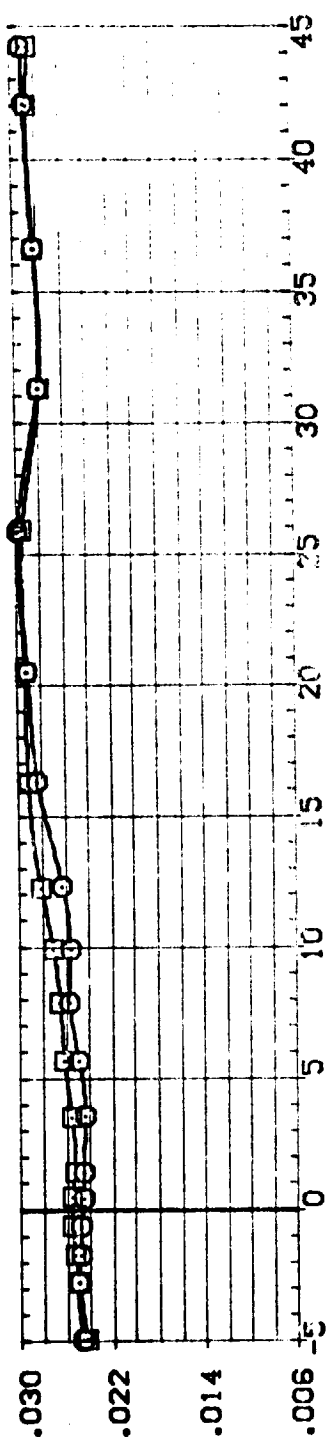
DATA SET SYMBOL (RNP25) □

CONFIGURATION DESCRIPTION  
 0A44 UPVT 10S CONF4  
 0A44 UPVT 10S CONF4

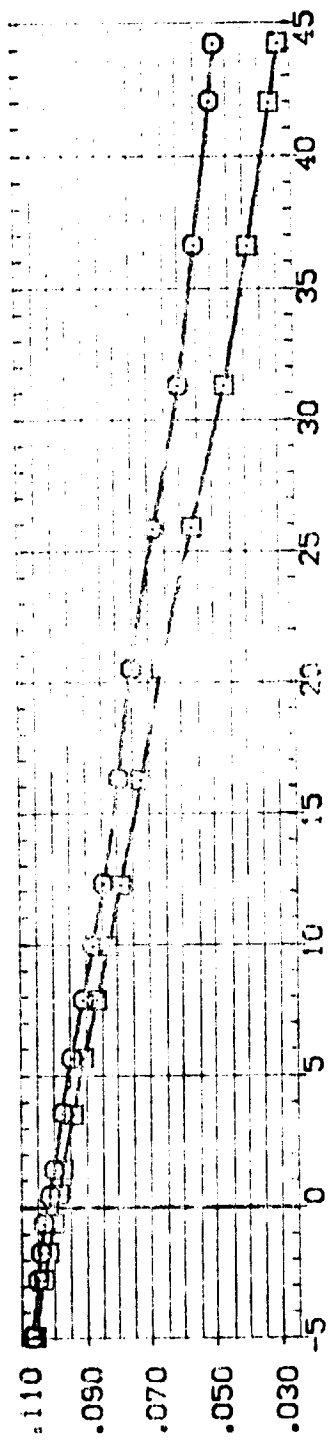
821C7E23-5448V7V107X16  
 821C7E23-5448V7V107X16

ELEVTR 80FLAP 8PDRBK RUDDER  
 .000 13.750 54.820 .000  
 .000 -14.250 54.820 .000

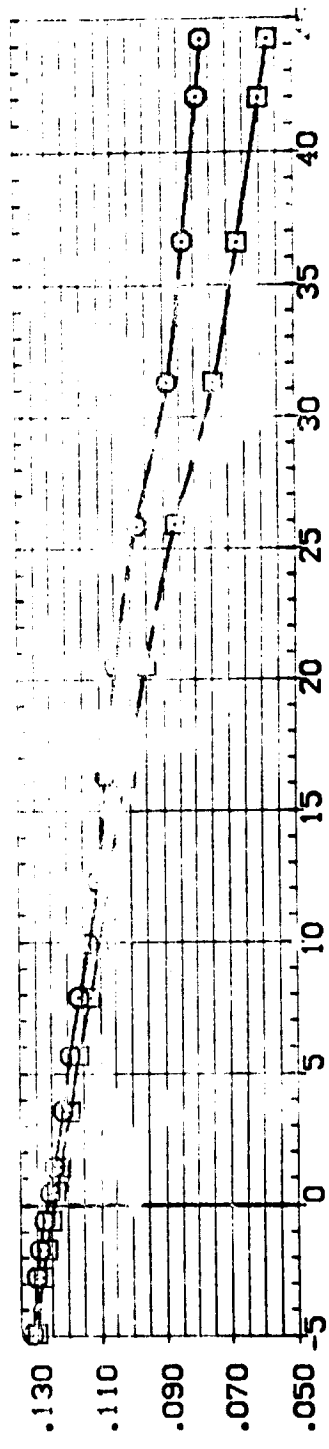
REFERENCE INFORMATION  
 SREF 87.1560 SQ. IN.  
 LREF 7.1270 INCHES  
 BREF 14.0502 INCHES  
 XPRP 12.5772 INCHES  
 YPRP 6.0000 INCHES  
 ZPRP 6.0000 INCHES  
 SCALE .0150



CAB



CAF



CA

BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

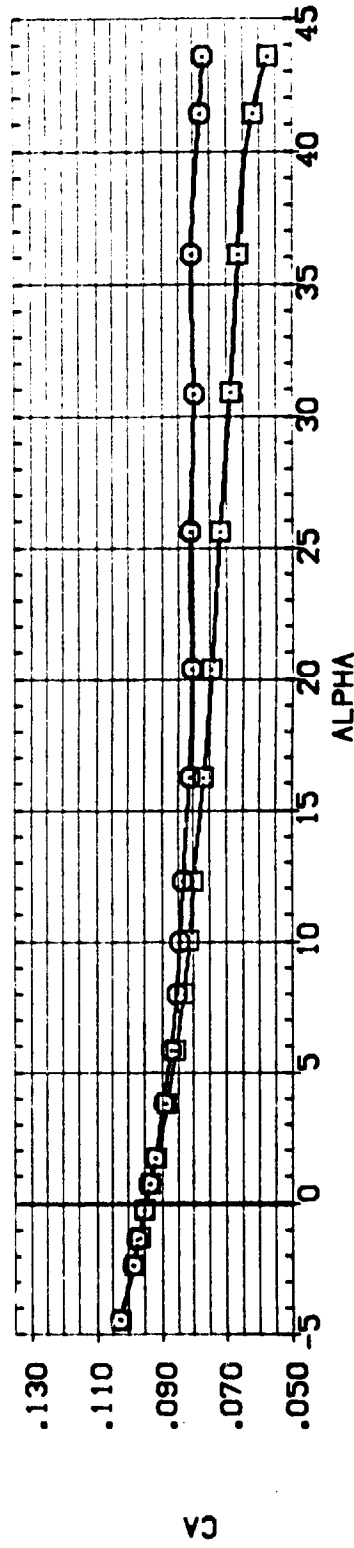
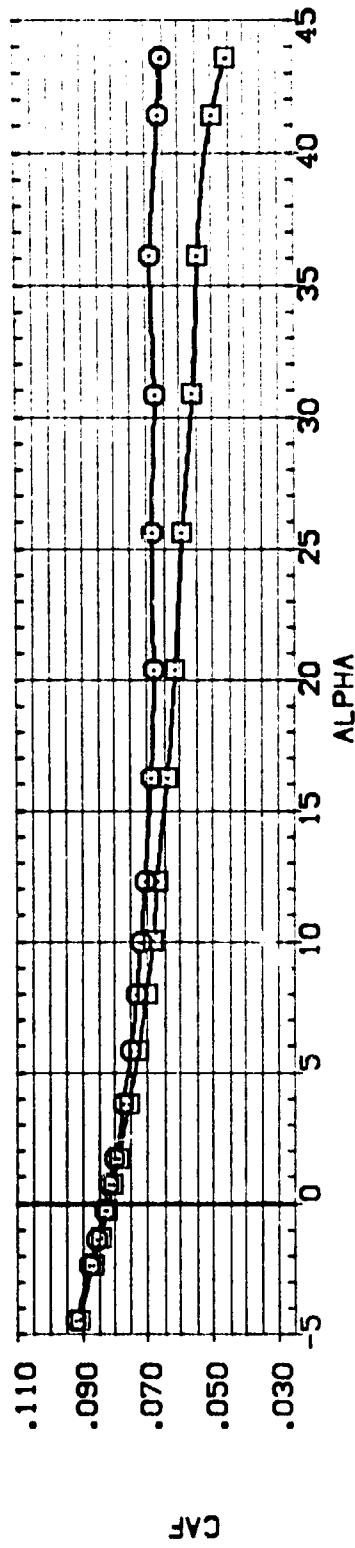
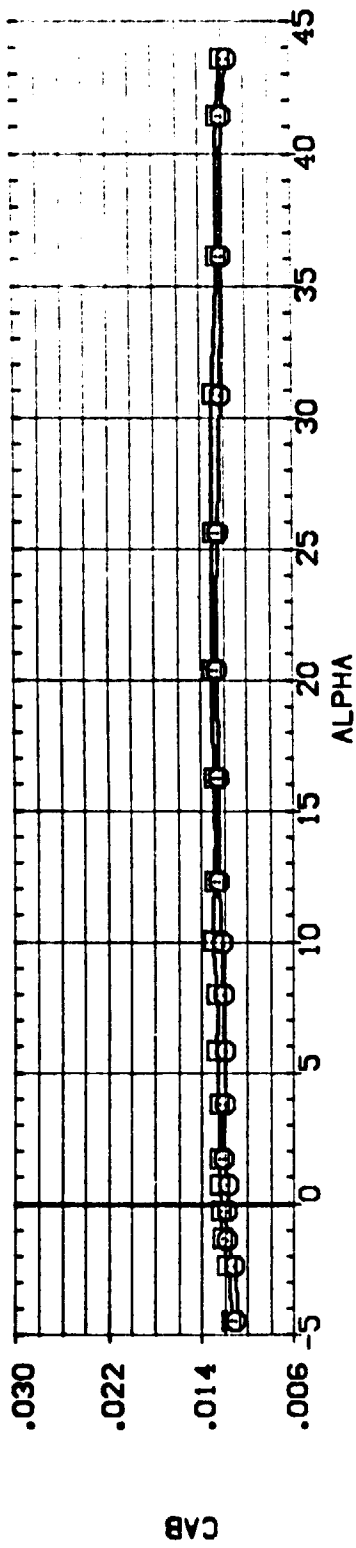
CAM-CH = 2.50

DATA SET SYMBOL: (RNP20) (RNP25) □

CONFIGURATION DESCRIPTION:  
 DATA UPVT 1085 CONF4  
 DATA UPVT 1085 CONF4  
 DATA UPVT 1085 CONF4

ELEVTR BDFLAP SPOBRK RUDDER  
 .000 13.750 54.920 .000  
 .000 -14.250 54.920 .000

REFERENCE INFORMATION:  
 SREF 87.1560 SQ. IN.  
 LREF 7.1220 IN.-ES  
 BREF 14.0502 IN.-ES  
 XMRP 12.5772 IN.-ES  
 YMRP .0000 IN.-ES  
 ZMRP 6.0000 IN.-ES  
 SCALE .0150 SCALE

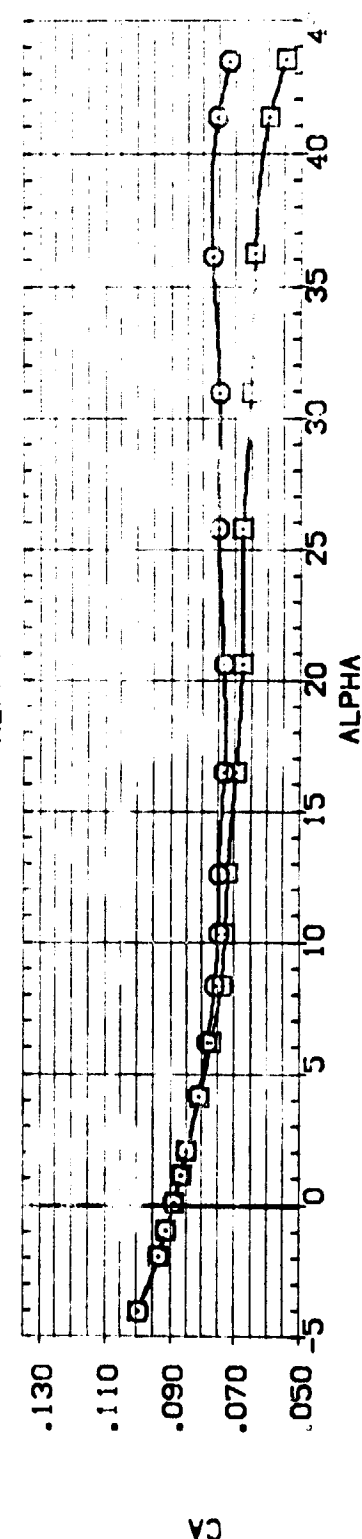
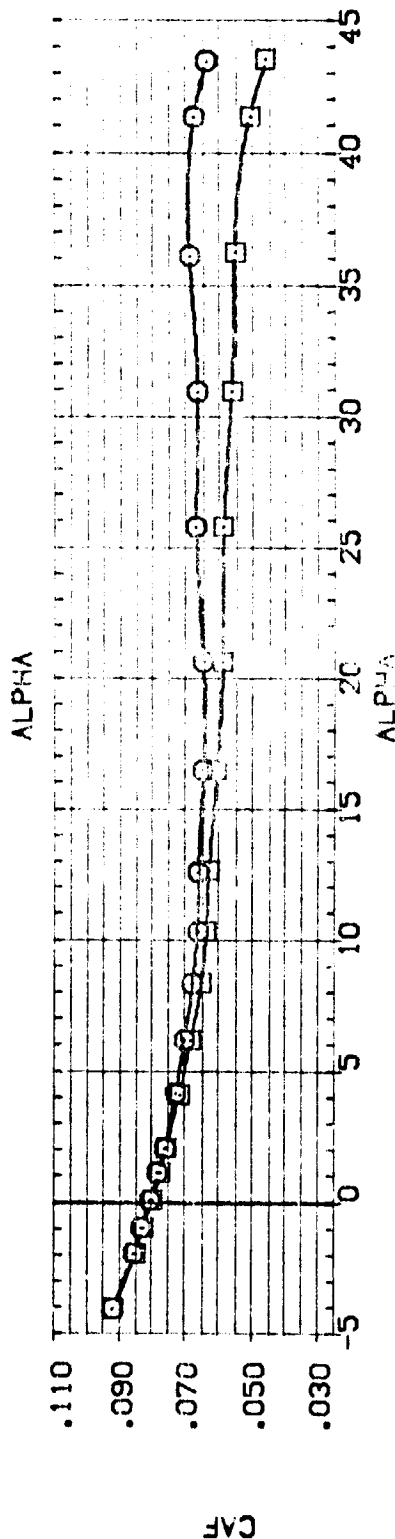
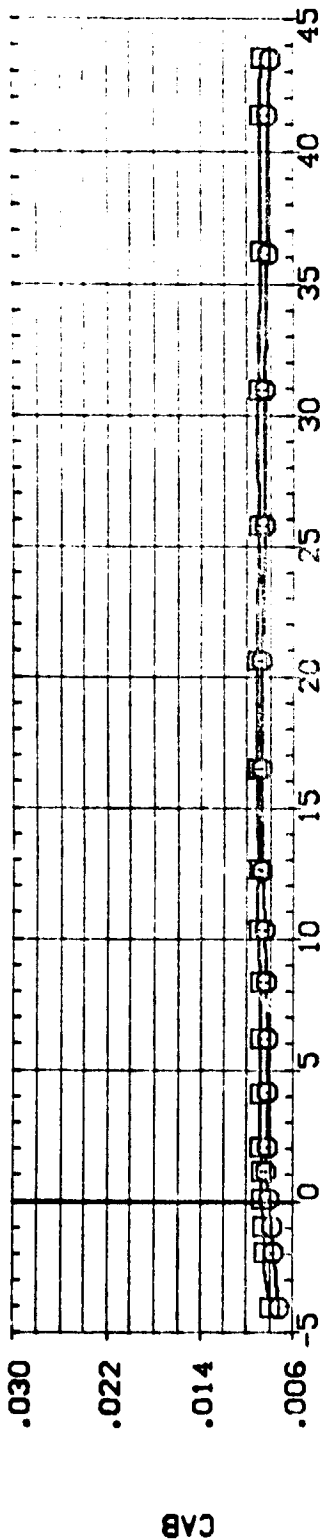


BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(B)MACH = 3.90

DATA SET SYMBOL: (RNP25)  (RNP25)

CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
GA44 UPVT 1035 CONF4	.000	13.750	54.920	.000	SREF 87.1560 SQ. IN.
GA44 UPVT 1035 CONF4	.000	-14.250	54.920	.000	LREF 7.1220 INCHES
B21C7E2F5HARS/V107X16					BREF 14.0502 INCHES
B21C7E2F5HARS/V107X16					XTRP 12.5772 INCHES
					YTRP .0000 INCHES
					ZTRP 6.0000 INCHES
					SCALE .0150 SCALE

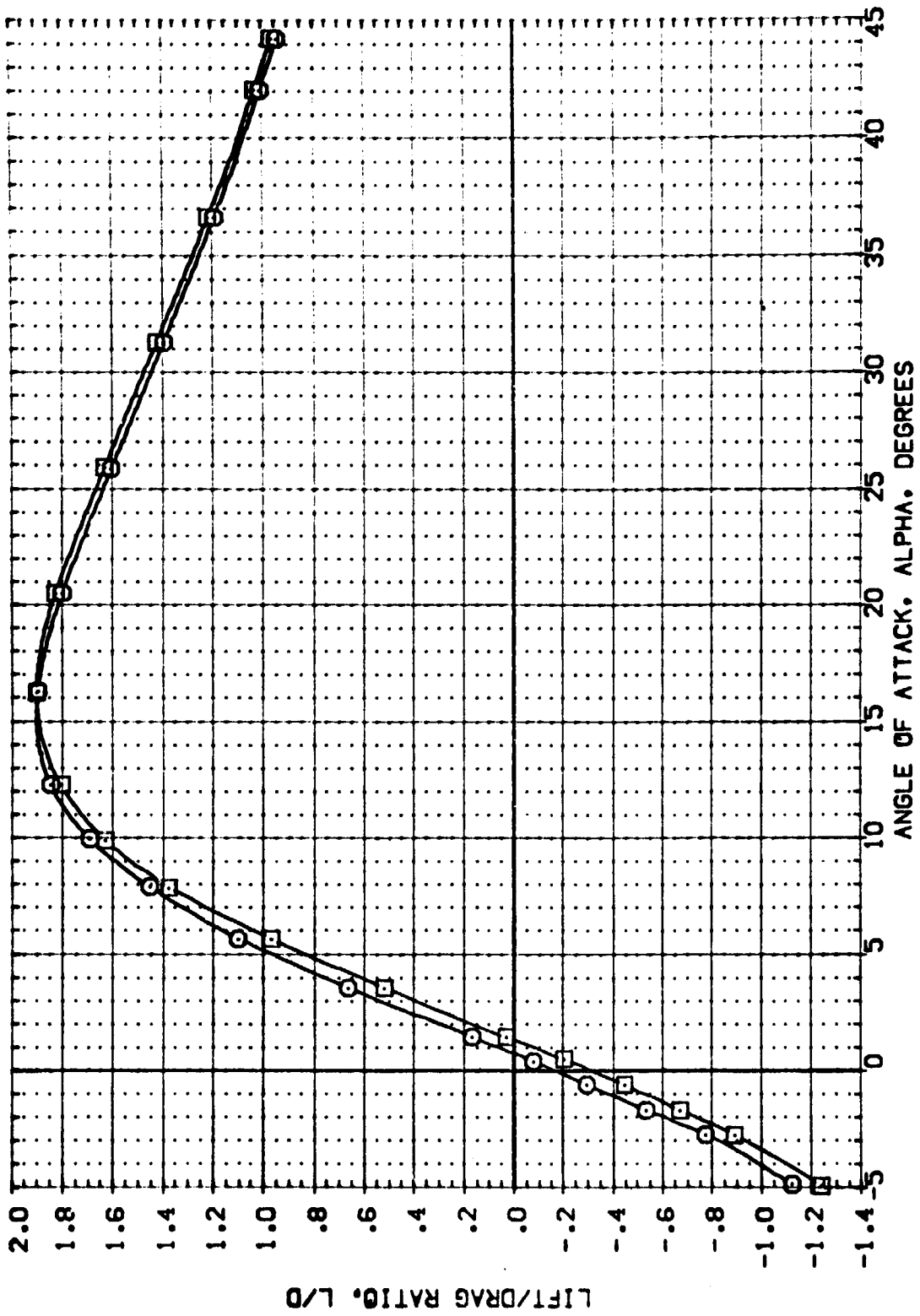


BODY FLAP DEFLECTED - 1398 CONFIG WITH MODIFIED NOSE

REVISION = 4.60

DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 (RNP2) □ 0A44 UPVT 1005 CONF4 B21C7E23F34R5V7V107X16  
 (RNP2) □ 0A44 UPVT 1005 CONF4 B21C7E23F34R5V7V107X16

ELEVTR	BDFLAP	SFOBRK	RUDDER	REFERENCE INFORMATION
.000	13.750	54.520	.000	SO IN: 87.1500
.000	-14.250	54.520	.000	INCHES 7.1200
				INCHES 14.0502
				INCHES 12.5772
				INCHES 6.0000
				INCHES 6.0000
				SCALE .0150



BODY FLAP DEFLECTED -139B CONFIG WITH MODIFIED NOSE

(A)MACH = 2.50

DATA SET SYMBOL: (RNP25) (RNP25)

CONFIGURATION DESCRIPTION: CA44 UPVT 1035 CONF4 CA44 UPVT 1035 CONF4

ELEVTR: .000

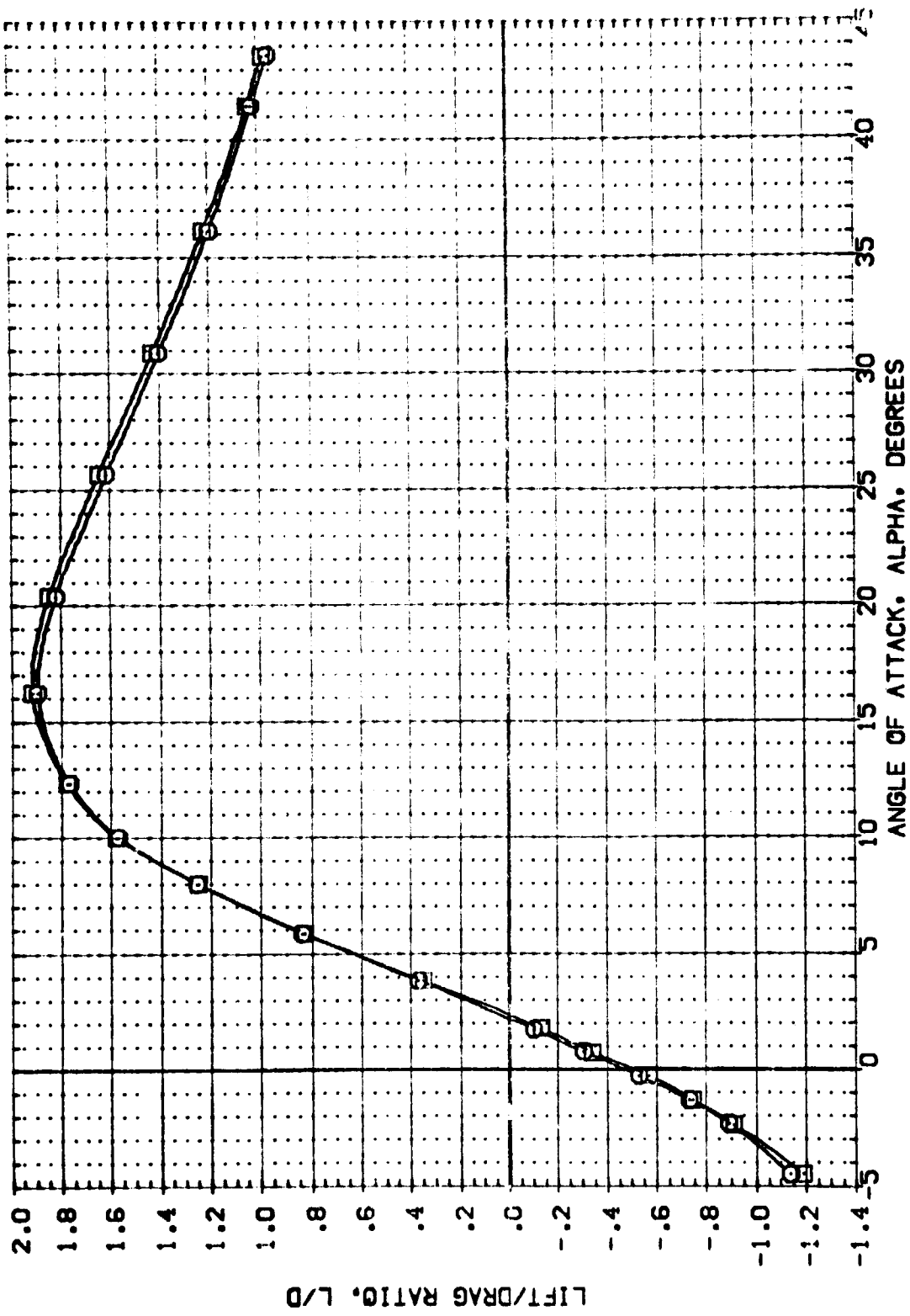
BOFLAP: 13.750

SPDRBK: 54.520

RUDDER: .000

REFERENCE INFORMATION:

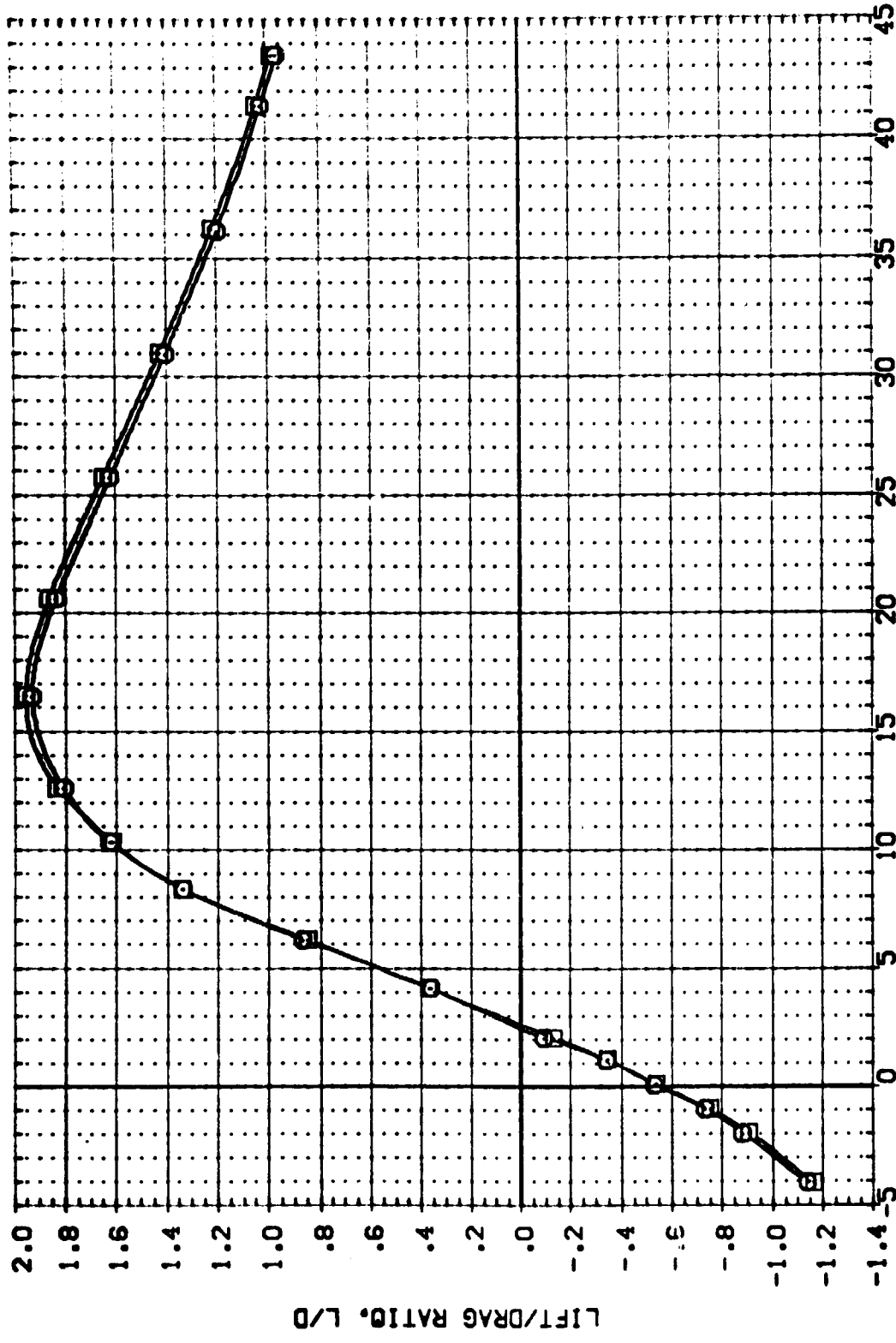
SREF	87.1550	SO IN.
LREF	7.1220	IN-ES
BREF	14.0502	IN-ES
XMRP	12.5772	IN-ES
YMRP	.0000	IN-ES
ZMRP	.0000	IN-ES
SCALE	.0150	SCALE



BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(B)MACH = 3.90

DATA SET SYMBL.	CONFIGURATION DESCRIPTION	ELEVTR	BOFLAP	SPDRK	RUDDER	REFERENCE INFORMATION
{RNP23}	8A44 UPT 1035 CONF4	.000	13.730	54.820	.000	WREF 87.1560 SQ. IN.
{RNP23}	8A44 UPT 1035 CONF4	.000	-14.260	54.820	.000	LREF 7.1220 INCHES
						WREF 14.0502 INCHES
						XREF 12.5772 INCHES
						ZREF 6.0000 INCHES
						ZREF 6.0000 INCHES
						SCALE .0150 SCALE



ANGLE OF ATTACK, ALPHA, DEGREES

BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

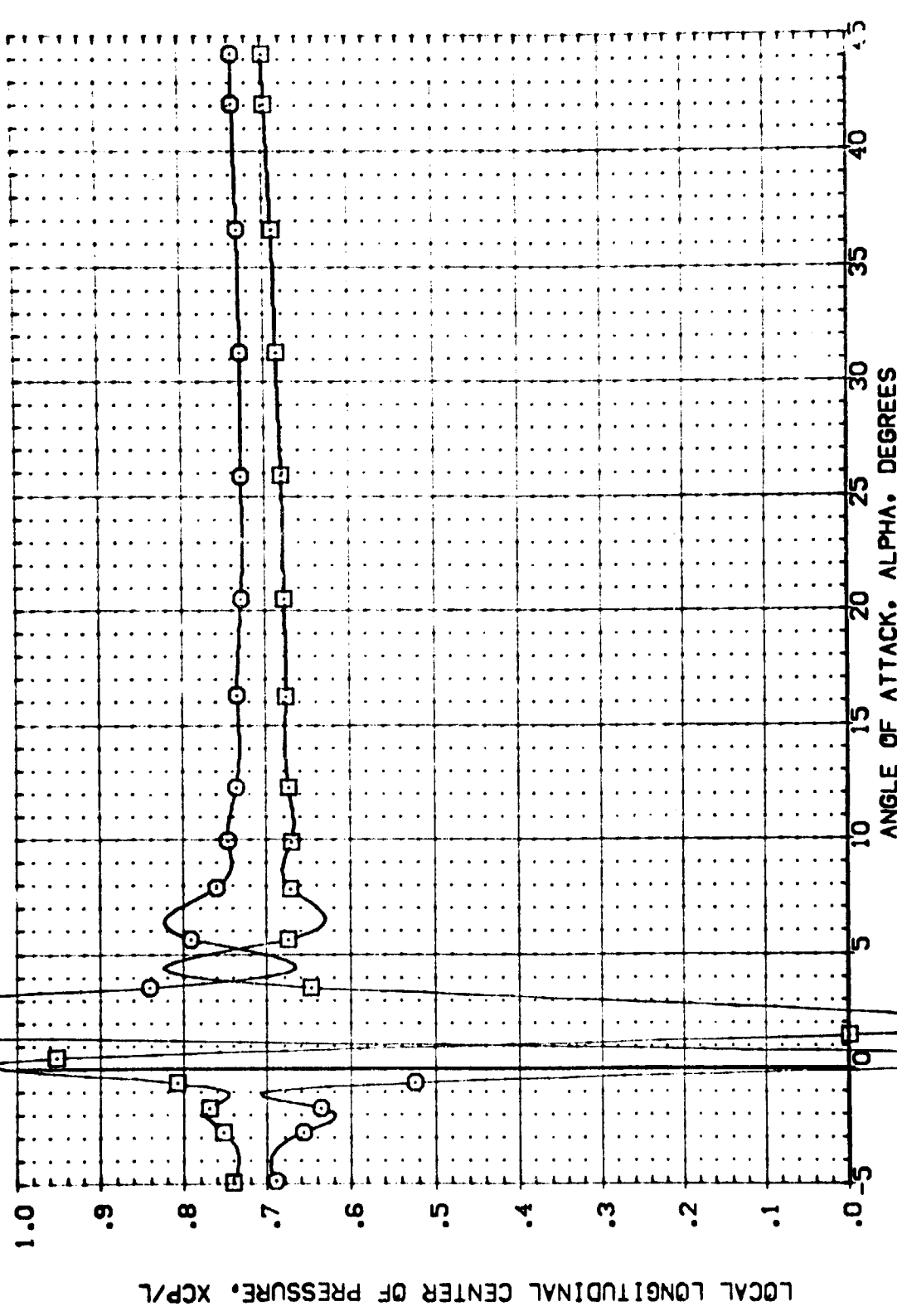
(C)MACH = 4.60



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (NPNP28) □ DA14 UPV1 1035 CONF4 B21C7EZF5HARSV7V107X18  
 (NPNP28) □ DA14 UPV1 1035 CONF4 B21C7EZF5HARSV7V107X18

ELEVTR BOFLAP SPODBRK RUDDER  
 .000 13.750 54.820 .000  
 .000 -14.250 54.520 .000

REFERENCE INFORMATION  
 SREF 87.1560 SQ. IN.  
 LREF 7.1220 INCHES  
 BREF 14.0502 INCHES  
 XTRP 12.5772 INCHES  
 YTRP .0000 INCHES  
 ZTRP 6.0000 INCHES  
 SCALE .0150 SCALE



LOCAL LONGITUDINAL CENTER OF PRESSURE, XCP/L

ANGLE OF ATTACK, ALPHA, DEGREES

BODY FLAP DEFLECTED -139B CONFIG WITH MODIFIED NOSE

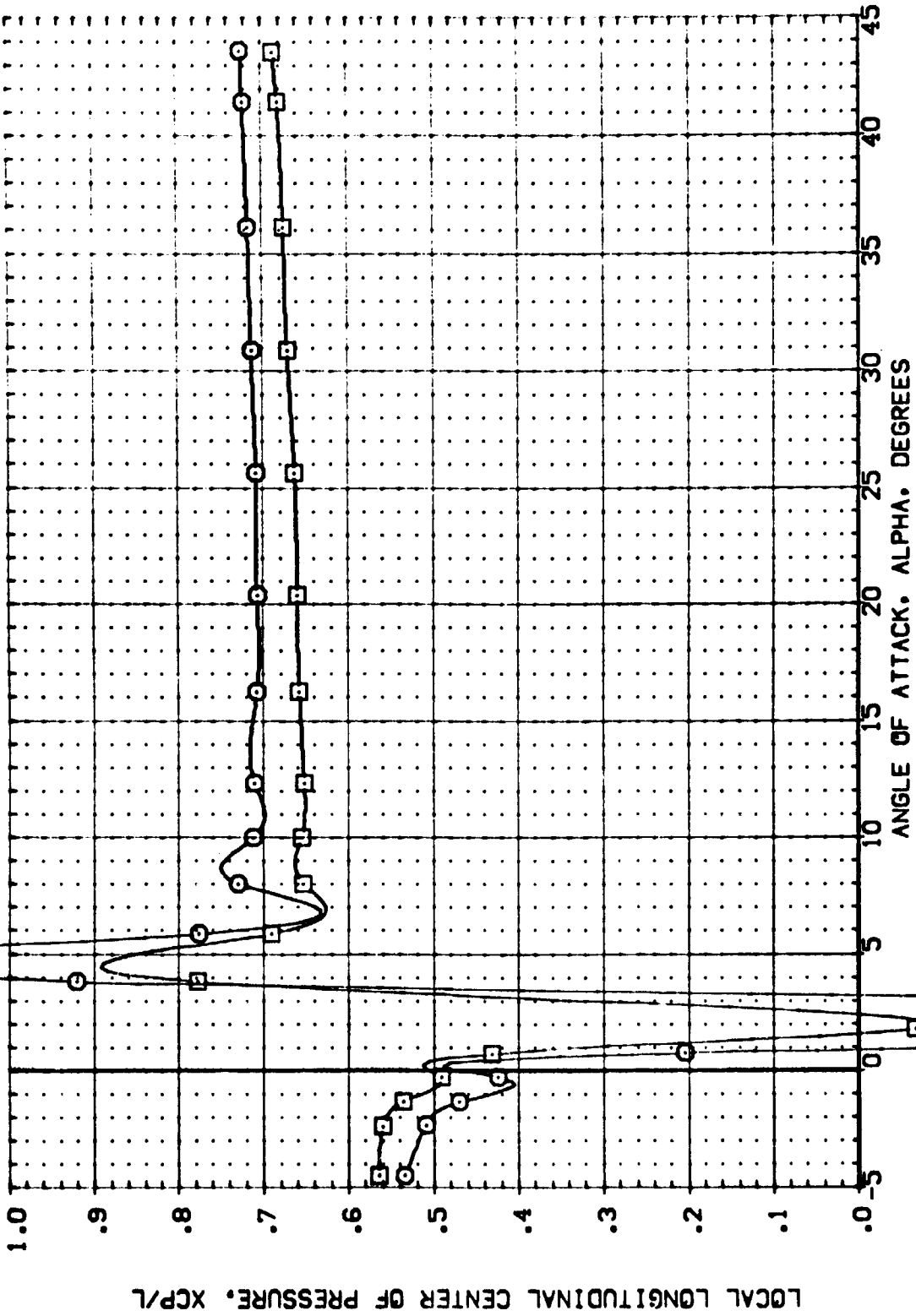
MACH = 2.50

DATA SET SYMBOL: [ ]  
 CONFIGURATION DESCRIPTION:  
 8M44 UPVT 1035 CONF 4  
 8M44 UPVT 1035 CONF 4

821C7E23-3448V7167X18  
 821C7E23-3448V7167X18

ELEVTR: .000  
 BOFLAP: 13.750  
 SPOBRK: 54.520  
 RUDDER: .000

REFERENCE INFORMATION:  
 SREF: 87.1560 SO, IN.  
 LREF: 7.1220 IN-OES  
 YREF: 14.0502 IN-OES  
 YMRP: 12.5772 IN-OES  
 ZMRP: .0000 IN-OES  
 SCALE: 6.0000 IN-OES  
 SCALE: .0150



BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(B)MACH = 3.90



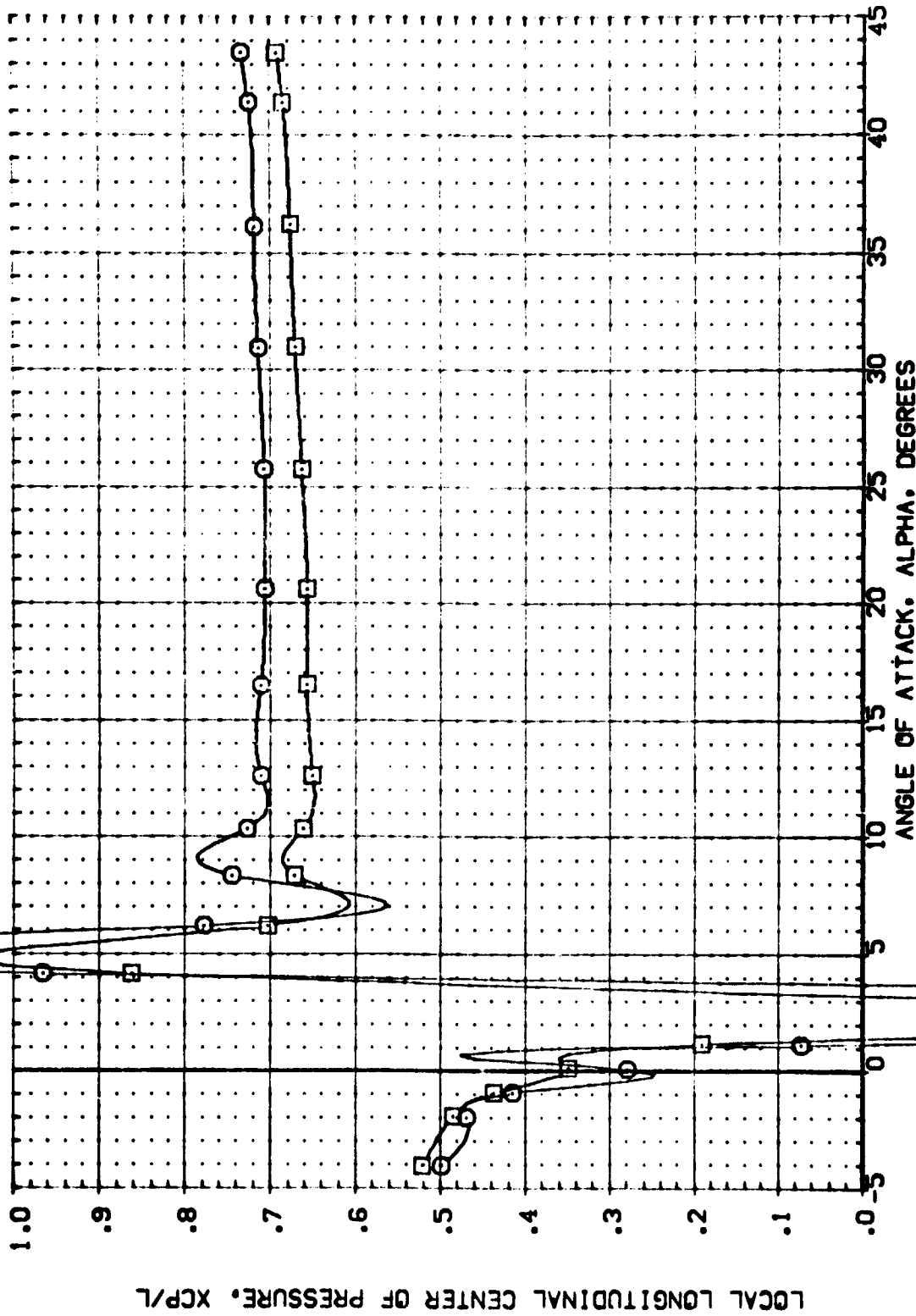


DATA SET SYMBOL CONFIGURATION DESCRIPTION

(MNF25) DATA UPVT 1035 CONF4 821C7EZF3MWSV7V107X16  
(MNF25) DATA UPVT 1036 CONF4 821C7EZF3MWSV7V107X16

ELEVTR BOFLAP SPOBRK RUDDER  
.000 13.750 54.520  
.000 -14.250 54.520

REFERENCE INFORMATION  
SREF 67.1560 SQ. IN.  
LREF 7.1220 INCHES  
BREF 14.0502 INCHES  
XPRP 12.5772 INCHES  
YPRP .0000 INCHES  
ZPRP 6.0000 INCHES  
SCALE .0150 SCALE



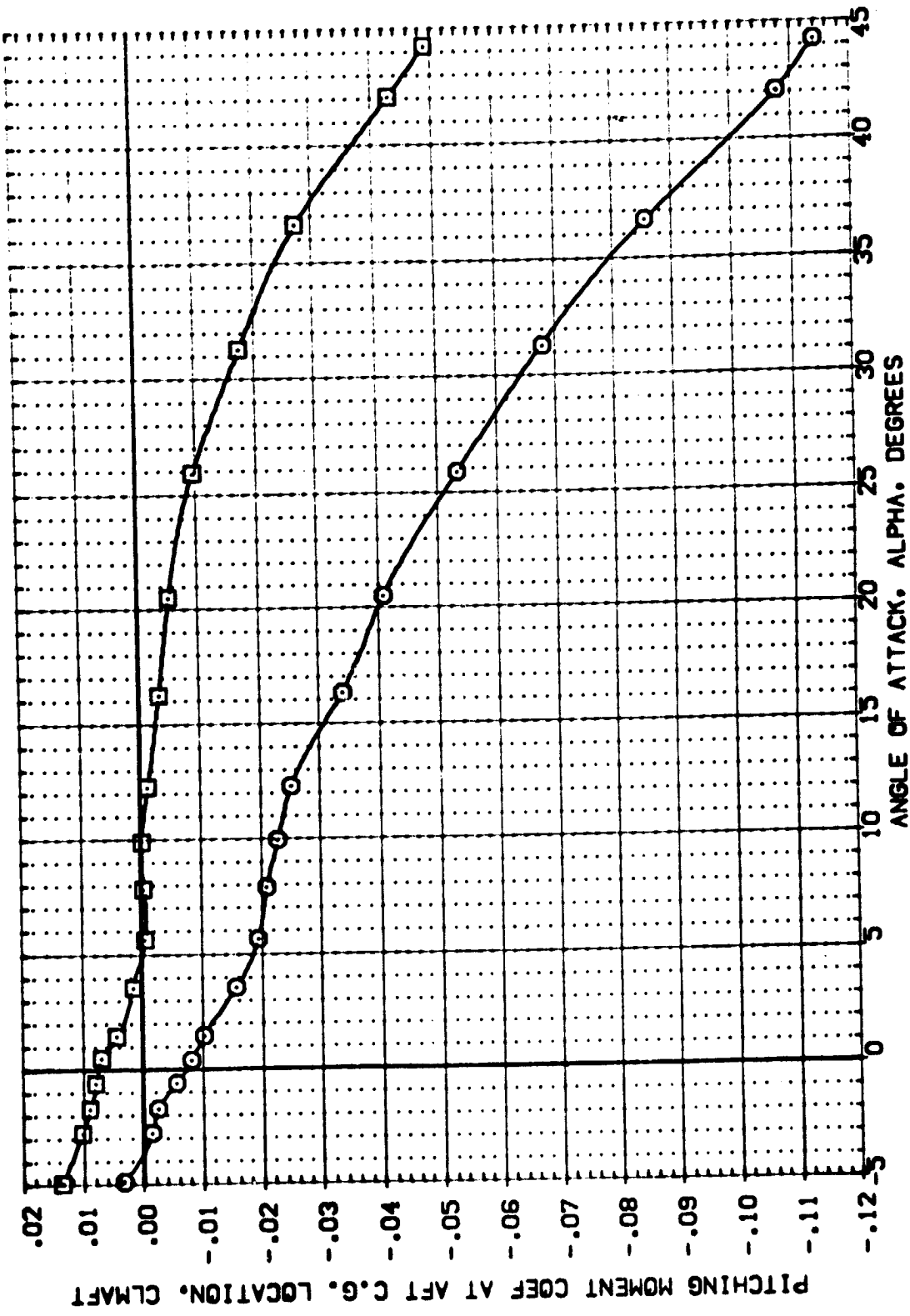
LOCAL LONGITUDINAL CENTER OF PRESSURE, XCP/L

ANGLE OF ATTACK, ALPHA, DEGREES

BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(C)MACH = 4.50

DATA SET SYMBOL: 8441 UNVT 1088 CONF 4  
 CONFIGURATION DESCRIPTION: 8441 UNVT 1088 CONF 4  
 ELEVTR: .000  
 BODY FLAP: -14.250  
 SPINFLAP: 54.820  
 FLOOR: .000  
 REFERENCE INFORMATION:  
 SHEET: 87.5000  
 LINE: 7.1720  
 XPRP: 14.0502  
 YPRP: 12.8843  
 ZPRP: .0000  
 SCALE: 6.0000  
 50. IN: INCHES  
 100. IN: INCHES  
 1000. IN: INCHES  
 10000. IN: INCHES  
 SCALE: .0150



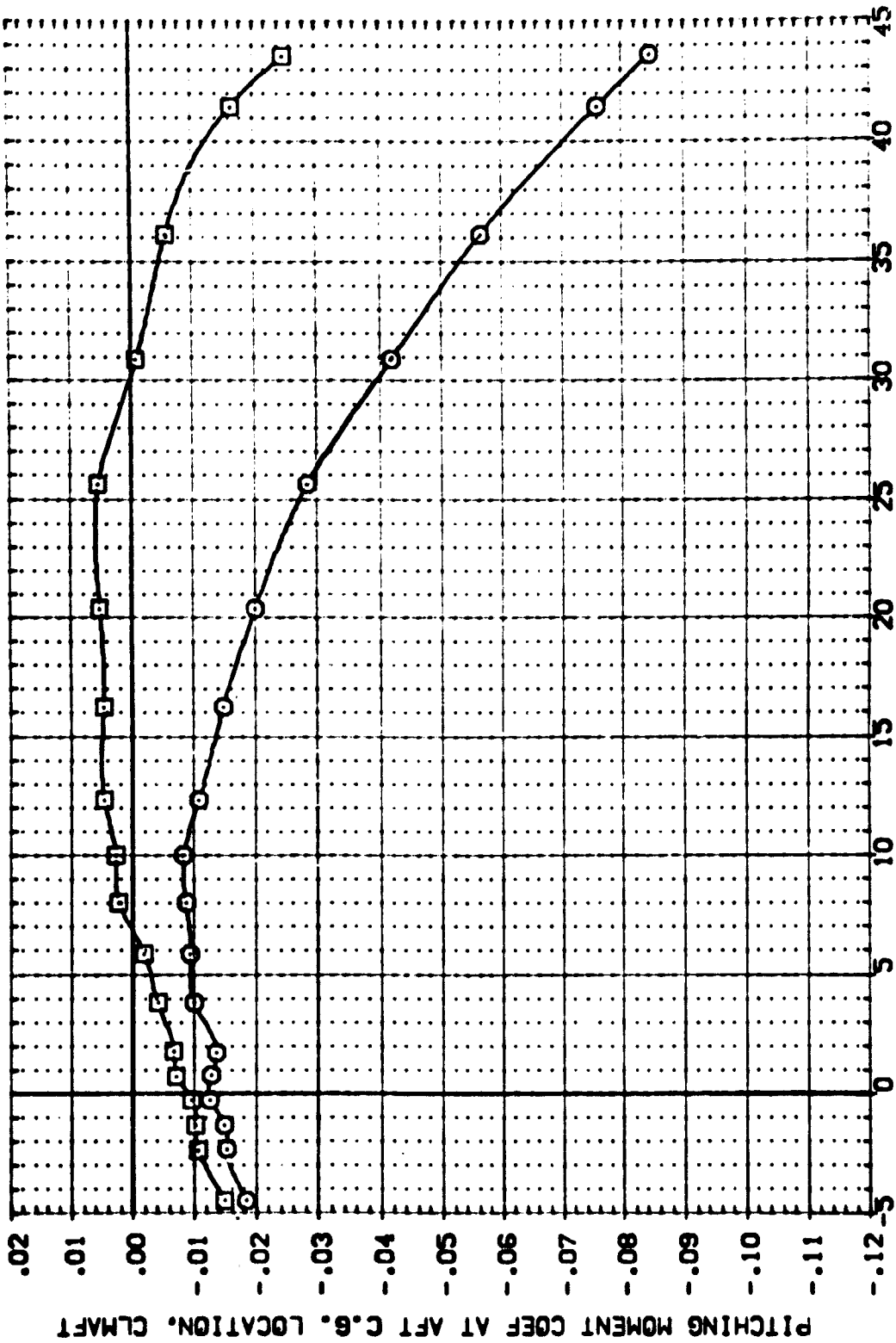
BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

(MACH = 2.50)

DATA SET SYMBOL (MPCZ28) □  
 CONFIGURATION DESCRIPTION DATA UNIT 1005 CONF1  
 DATA UNIT 1005 CONF1  
 DATA UNIT 1005 CONF1

ELEVTR 0.000  
 BODY FLAP 13.750  
 SPOON 54.520  
 RUDDER 0.000

REFERENCE INFORMATION  
 SNET 87.5600 SO. IN.  
 LREF 7.1220 INCHES  
 BREF 14.0502 INCHES  
 XPRP 12.5643 INCHES  
 YPRP 0.0000 INCHES  
 ZPRP 8.0000 INCHES  
 SCALE .0150 SCALE



BODY FLAP DEFLECTED -1398 CONFIG WITH MODIFIED NOSE

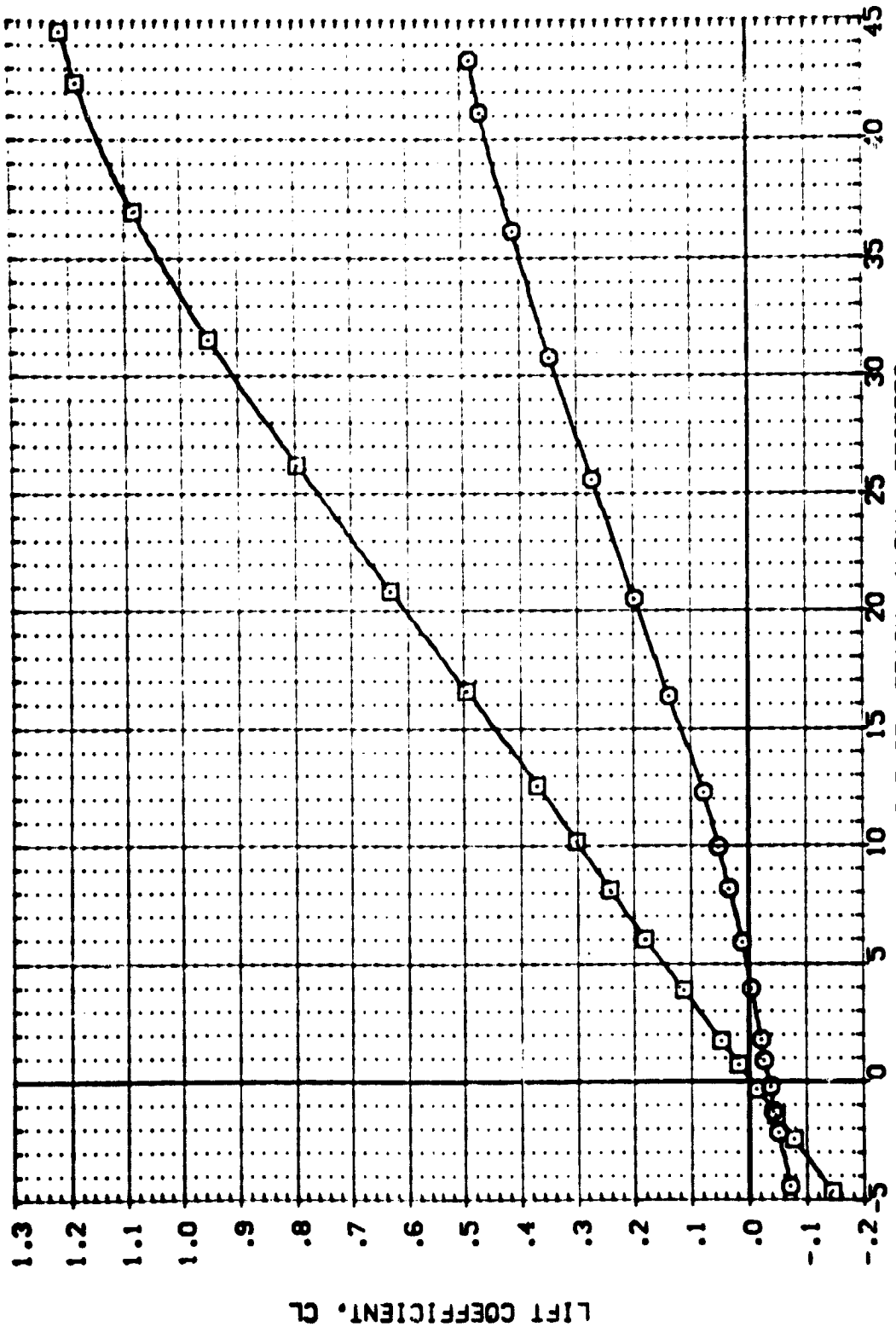
(M)MACH = 3.90



DATA SET SHEET CONFIGURATION DESCRIPTION  
 (SHEET 1) DATA UNIT 1055 CONF-2A BLOCSDT0704X18  
 (SHEET 2) DATA UNIT 1055 CONF-2A BLOCSDT0704X18

ELEVTR EDLAP SPORK RUDDER  
 .000 -14.250 54.820 .000

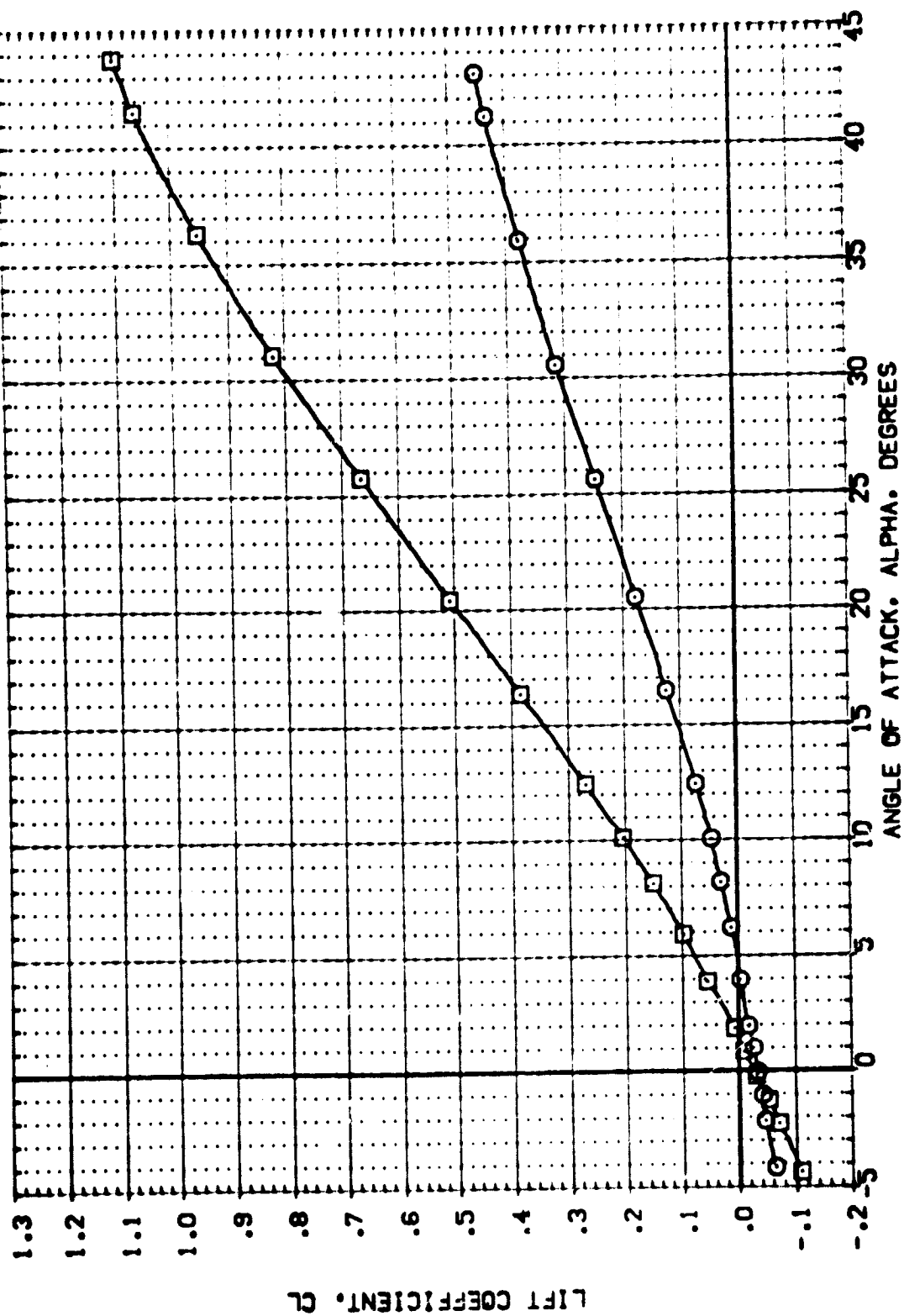
REFERENCE INFORMATION  
 SHEET 97.1500 90 IN.  
 LINEF 7.1220 IN-OES  
 SHEET 14.0502 IN-OES  
 XAPP 13.1468 IN-OES  
 YAPP .0000 IN-OES  
 ZAPP 6.0000 IN-OES  
 SCALE .0150 SCALE



COMPONENT BUILDUP -898 CONFIG

(A)MACH = 2.50

DATA SET SYMBOL: □ CONFIGURATION DESCRIPTION: □ DATA UNIT 1000 CONF-2A BICEPTOR OF AXIS  
 (REVISED) □ DATA UNIT 1000 CONF-2A BICEPTOR OF AXIS  
 REFERENCE INFORMATION: REF 07.1250 SQ. IN. 50. IN.  
 LIST 7.1270 IN-OES  
 WZF 14.0502 IN-OES  
 YAPP 13.1469 IN-OES  
 ZAPP .0000 IN-OES  
 SCALE 6.0000 IN-OES  
 SCALE .0150



COMPONENT BUILDUP -898 CONFIG

(B)MACH = 3.90



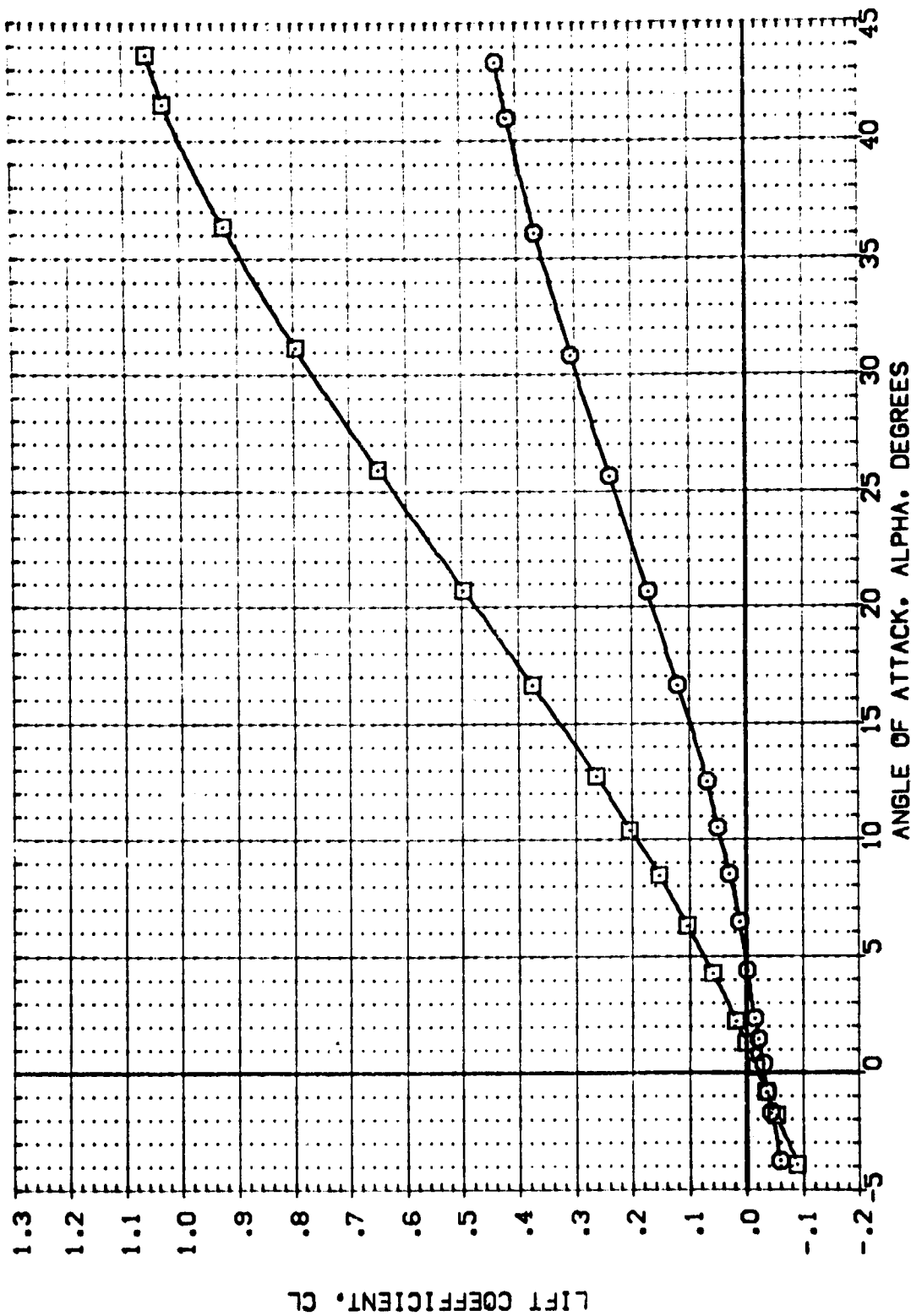
DATA SET SYMBOL: (RPN13) (RPN22) □

CONFIGURATION DESCRIPTION: 0A44 UPWT 1035 CONF-2A 810C307M3F4X18  
 0A44 UPWT 1035 CONF-2A 810C307M3F4V67E10R5V5X18

ELEVTR 80FLAP SPOBRK RUDDER

.000 -14.250 51.920 .000

REFERENCE INFORMATION: 87.1560 90. IN: SREF  
 7.1220 INCHES: LREF  
 14.0502 INCHES: BREF  
 13.1469 INCHES: XREF  
 6.0000 INCHES: YREF  
 6.0000 INCHES: ZREF  
 .0150 SCALE: SCALE



COMPONENT BUILDUP -898 CONFIG

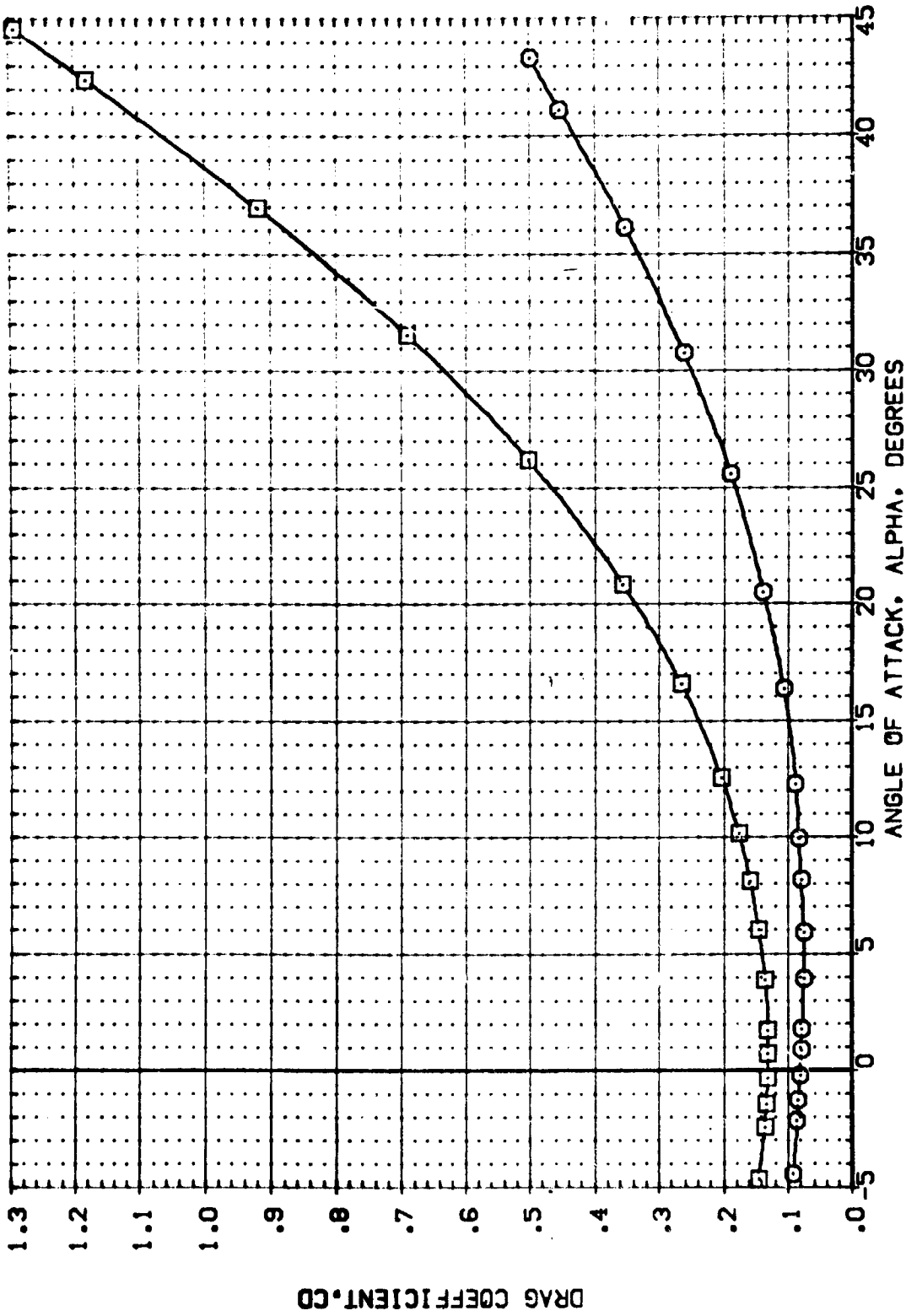
(C)MACH = 4.60

DATA SET SYMBOL: □  
 (NAME13) □ (NAME2) □

CONFIGURATION DESCRIPTION  
 0A44 UPVT 1005 CONF-2A BICCD7070FAX16  
 0A44 UPVT 1005 CONF-2A BICCD7070F467E108V5X16

ELEVTR BDFLAP SPOBRK RUDDER  
 .000 -14.250 51.920 .000

REFERENCE INFORMATION  
 SREF 07.1560 50. IN.  
 LREF 7.1220 INCHES  
 BREF 14.0502 INCHES  
 XPRP 13.1468 INCHES  
 YPRP .0000 INCHES  
 ZPRP 6.0000 INCHES  
 SCALE .0150 SCALE



COMPONENT BUILDUP -89B CONFIG

(A)MACH = 2.50



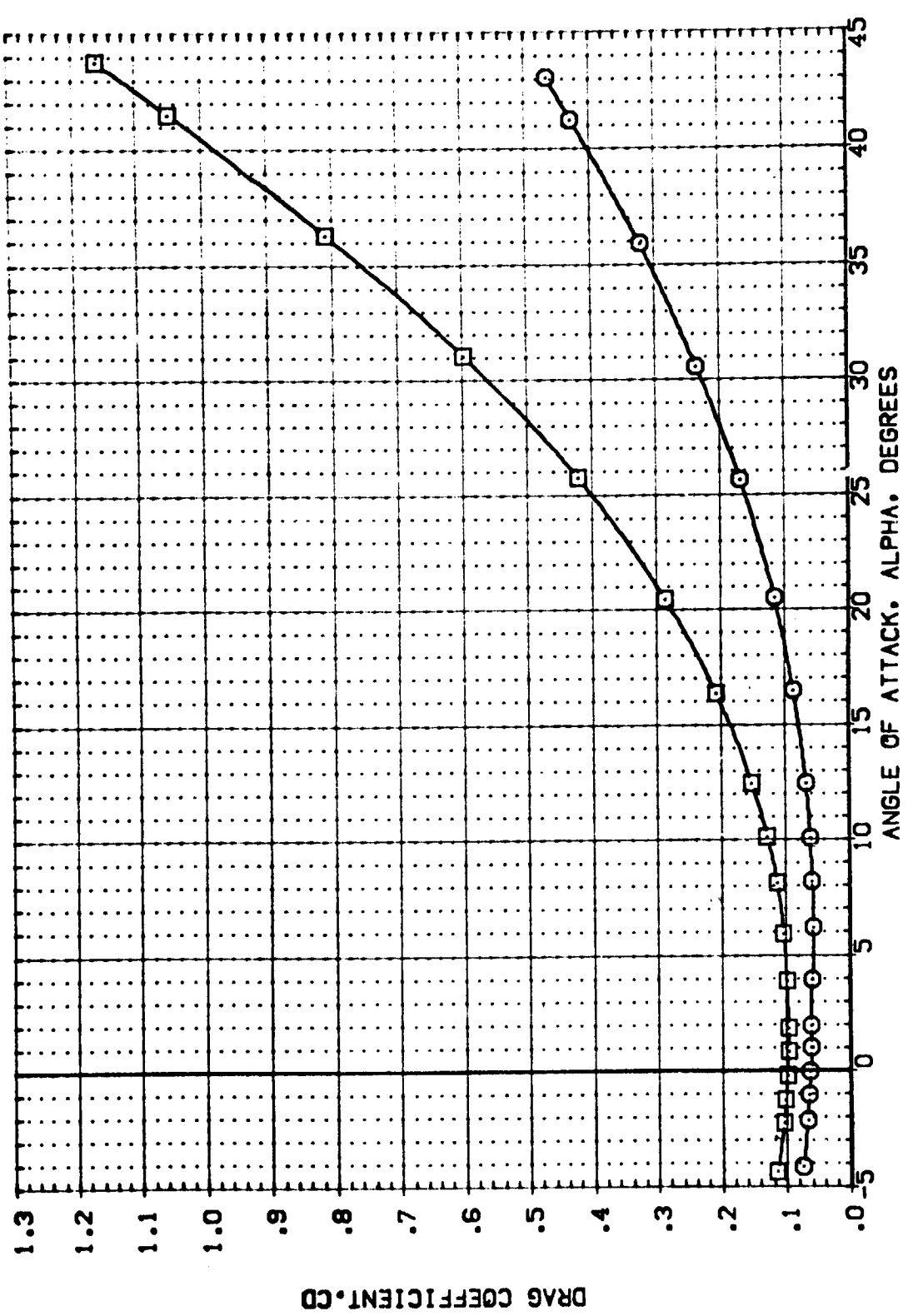
DATA SET SYMBOL: (REP:1.3) □

CONFIGURATION DESCRIPTION: DATA UPVT 1035 CONF-2A BIDCD77KFA18  
DATA UPVT 1035 CONF-2A BIDCD77KFA18

ELEVTR: .000  
EDFLAP: -14.250  
SPDRBK: 54.920  
RUDDER: .000

REFERENCE INFORMATION:  
SREF: 87.1560  
LREF: 7.1220  
XREF: 14.0502  
YREF: 13.1469  
ZREF: 0.0000  
SCALE: 6.0150

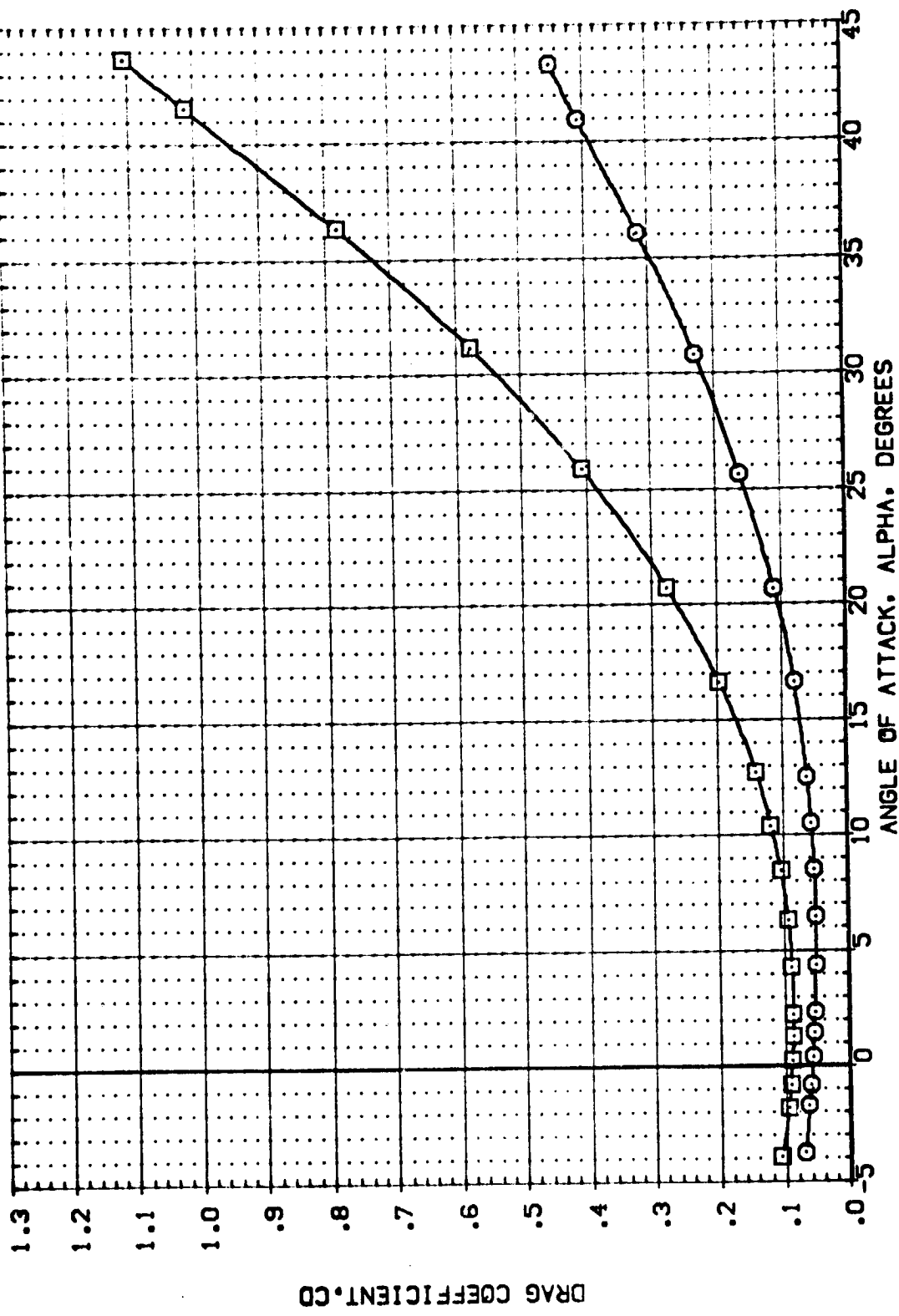
SO IN: 50  
IN-LES: 10  
IN-LES: 10  
IN-LES: 10  
IN-LES: 10  
SCALE: 10



COMPONENT BUILDUP -898 CONFIG

(CJMACH = 3.90

DATA SET SYMBOL: **□** CONFIGURATION DESCRIPTION: **DATA UPVT 1005 CONF-2A 81023077CF4X16**  
**(RPM=13)** **(RPM=2)** **DATA UPVT 1005 CONF-2A 81023077CF4X16**  
 REFERENCE INFORMATION: **87.1560** **50. IN.**  
**7.1220** **INDES**  
**14.0507** **INDES**  
**13.1459** **INDES**  
**.0000** **INDES**  
**6.0000** **INDES**  
**.0150** **SCALE**



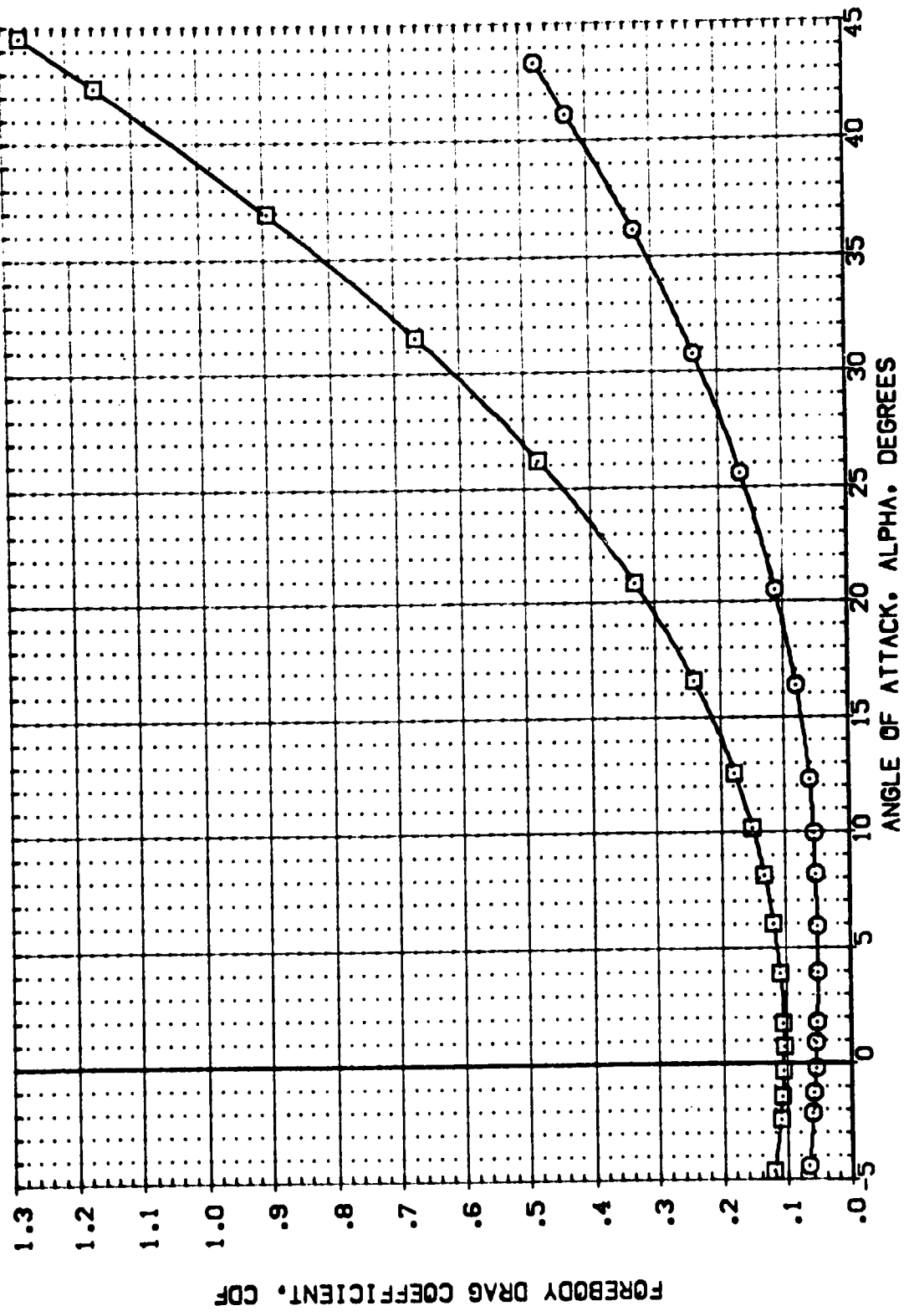
COMPONENT BUILDUP -898 CONFIG

(C)MACH = 4.60

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 {RNF13} DATA UPVT 1035 CONF-2A B10C307H3F4X18  
 {RNF02} DATA UPVT 1035 CONF-2A B10C307H3F4V87E18NSV3X18

ELEVTR BDFLAP SPOBRK RUDDER  
 .000 -14.250 54.920 .000

REFERENCE INFORMATION  
 SREF 87.1560 SQ.IN.  
 LREF 7.1220 IN.-ES  
 BREF 14.0502 IN.-ES  
 XTRP 13.1468 IN.-ES  
 YTRP .0000 IN.-ES  
 ZTRP 6.0000 IN.-ES  
 SCALE .0150 SCALE



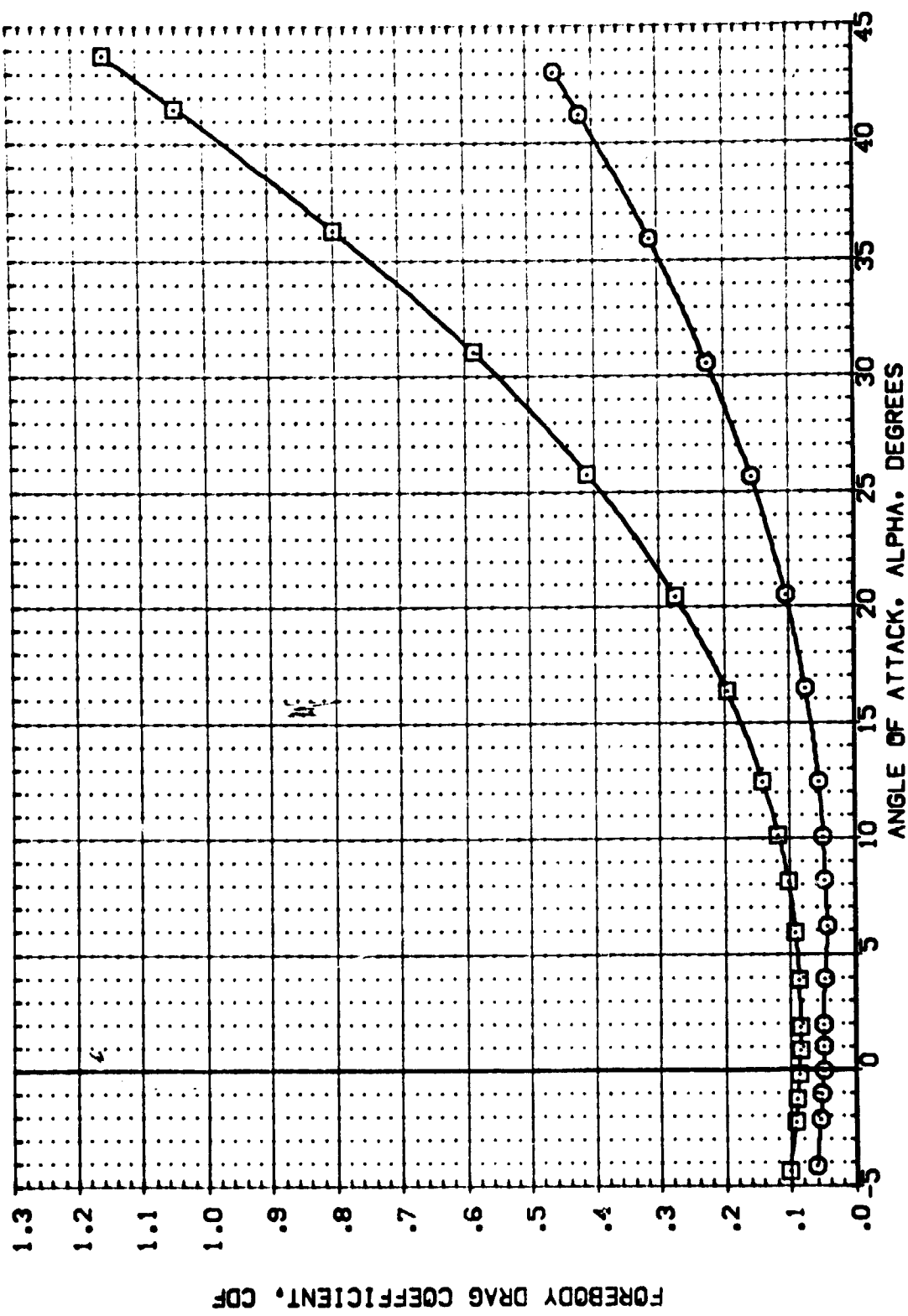
COMPONENT BUILDUP -89B CONFIG

(A)MACH = 2.50

DATA SET SYMBOL: 0044 UPVT 1005 CONF-2A 81003070704X16  
 (NAME13) 0044 UPVT 1005 CONF-2A 81003070704X16  
 (NAME02) 0044 UPVT 1005 CONF-2A 81003070704X16

ELEVTR 80FLAP 8FOBRK 8RUDDER  
 .000 -14.250 54.820 .000

REFERENCE INFORMATION  
 SREF 87.1500 89. IN.  
 LREF 7.1270 INCHES  
 BREF 14.0502 INCHES  
 XMRP 13.1488 INCHES  
 YMRP 6.0000 INCHES  
 ZMRP 6.0000 INCHES  
 SCALE .0150 SCALE



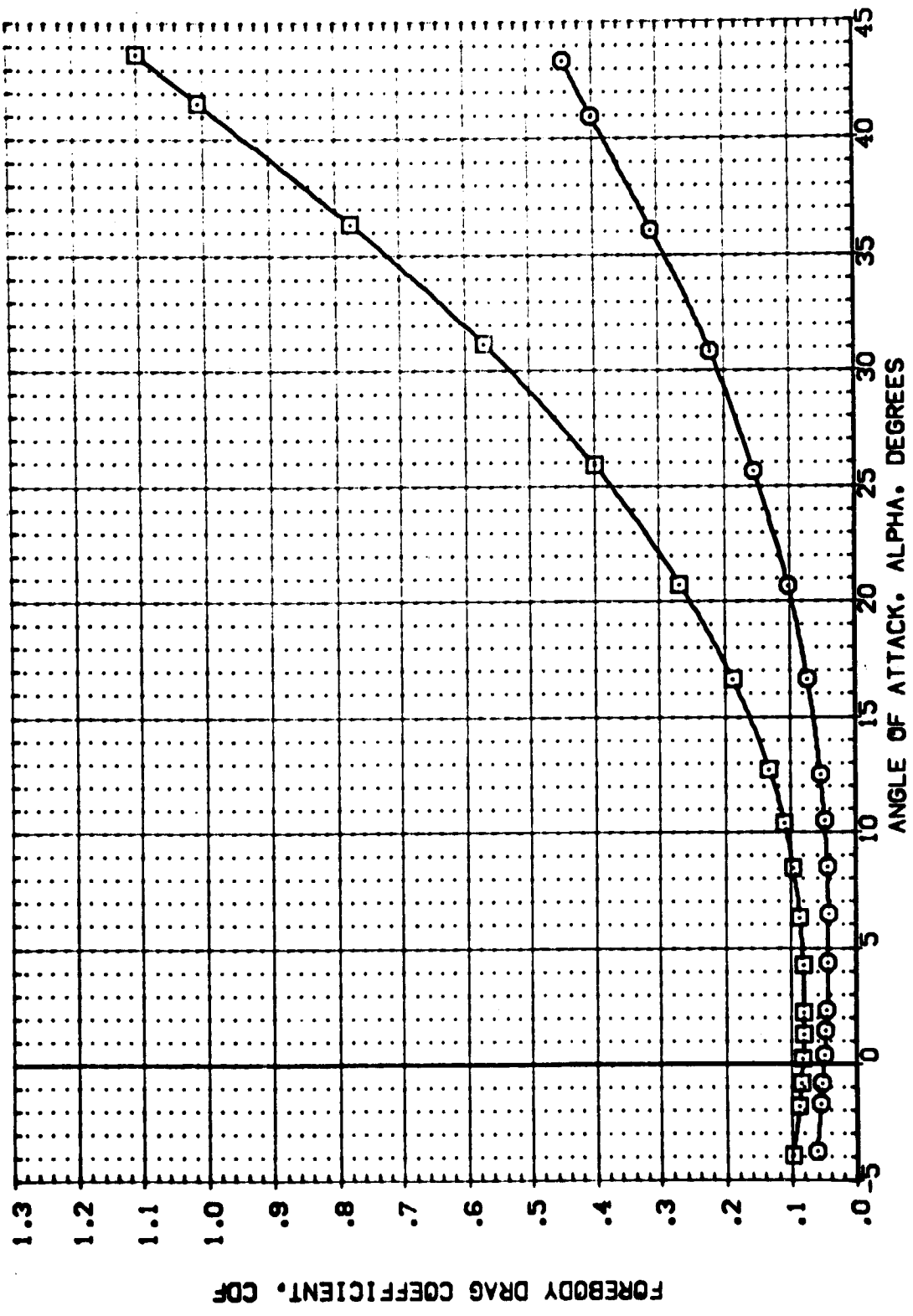
COMPONENT BUILDUP -898 CONFIG

(B)MACH = 3.9

DATA SET SYMBOL: **CONF-2A**  
 CONFIGURATION DESCRIPTION: **CONF-2A B10C307M3F4X18**  
 DATA UNIT: **CONF-2A B10C307M3F4X18**  
 REFERENCE INFORMATION: **CONF-2A B10C307M3F4X18**

SREF	87.1500	SD, IN.
LREF	7.1220	IND-ES
XPRP	14.0502	IND-ES
YPRP	13.1469	IND-ES
ZPRP	6.0000	IND-ES
SCALE	6.0150	SCALE

ELEVTR: **.000**    EOLAP: **-14.250**    SPOBKK: **54.920**    RLODER: **.000**



COMPONENT BUILDUP -898 CONFIG

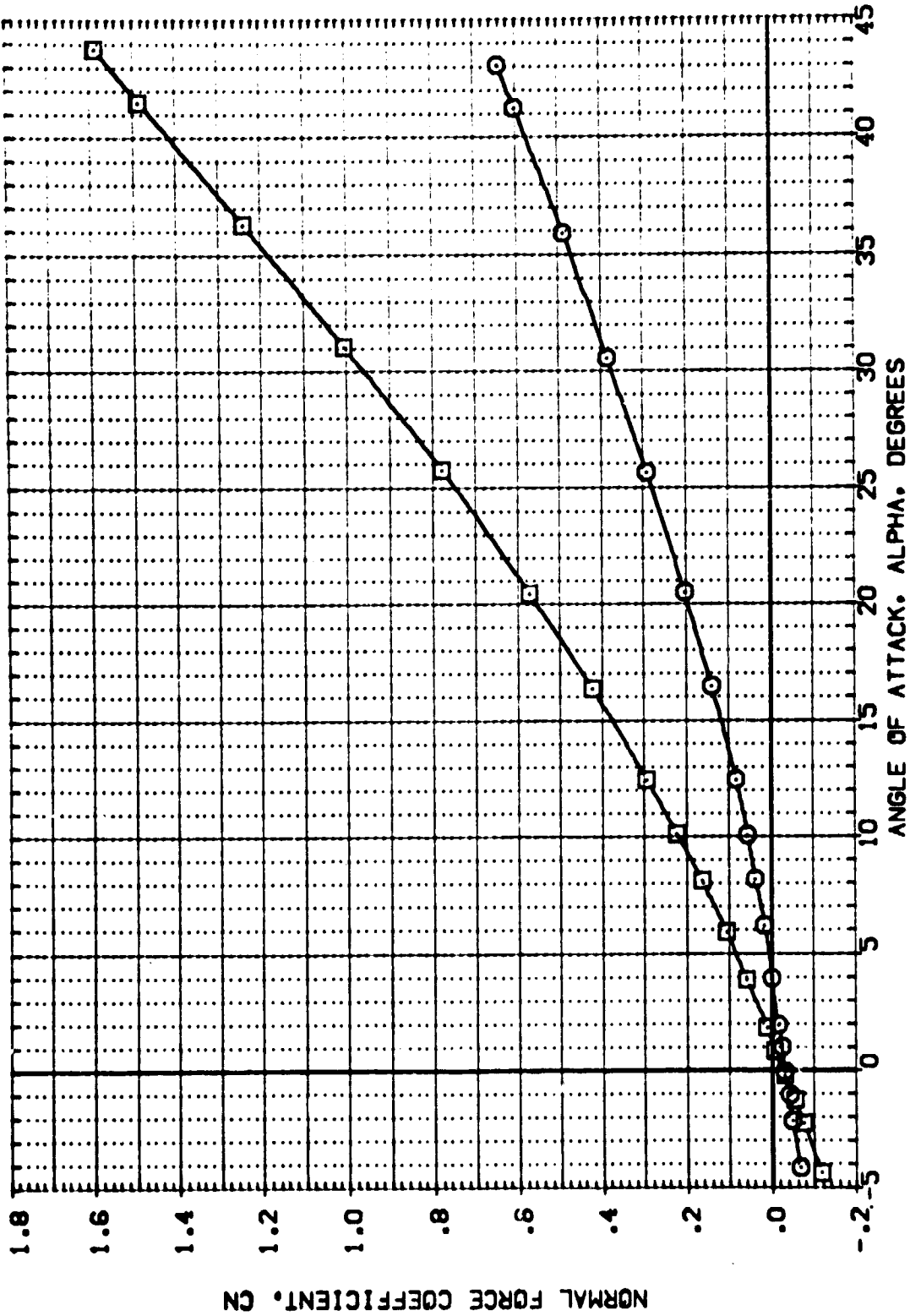
(C)MACH = 4.60



DATA SET SYMBOL: CONF-2A BIOCSDUMFAX16  
 (RNG13) DATA UPVT 1035 CONF-2A BIOCSDUMFAX16  
 (RNG22) DATA UPVT 1035 CONF-2A BIOCSDUMFAX16

ELEVTR BDFLAP SPOBCK RUDDER  
 .000 -14.250 51.920 .000

REFERENCE INFORMATION  
 SREF 87.1580 SQ. IN.  
 LREF 7.1220 INCHES  
 BREF 14.0502 INCHES  
 XTRP 13.1469 INCHES  
 YTRP .0000 INCHES  
 ZTRP 6.0000 INCHES  
 SCALE .0150 SCALE



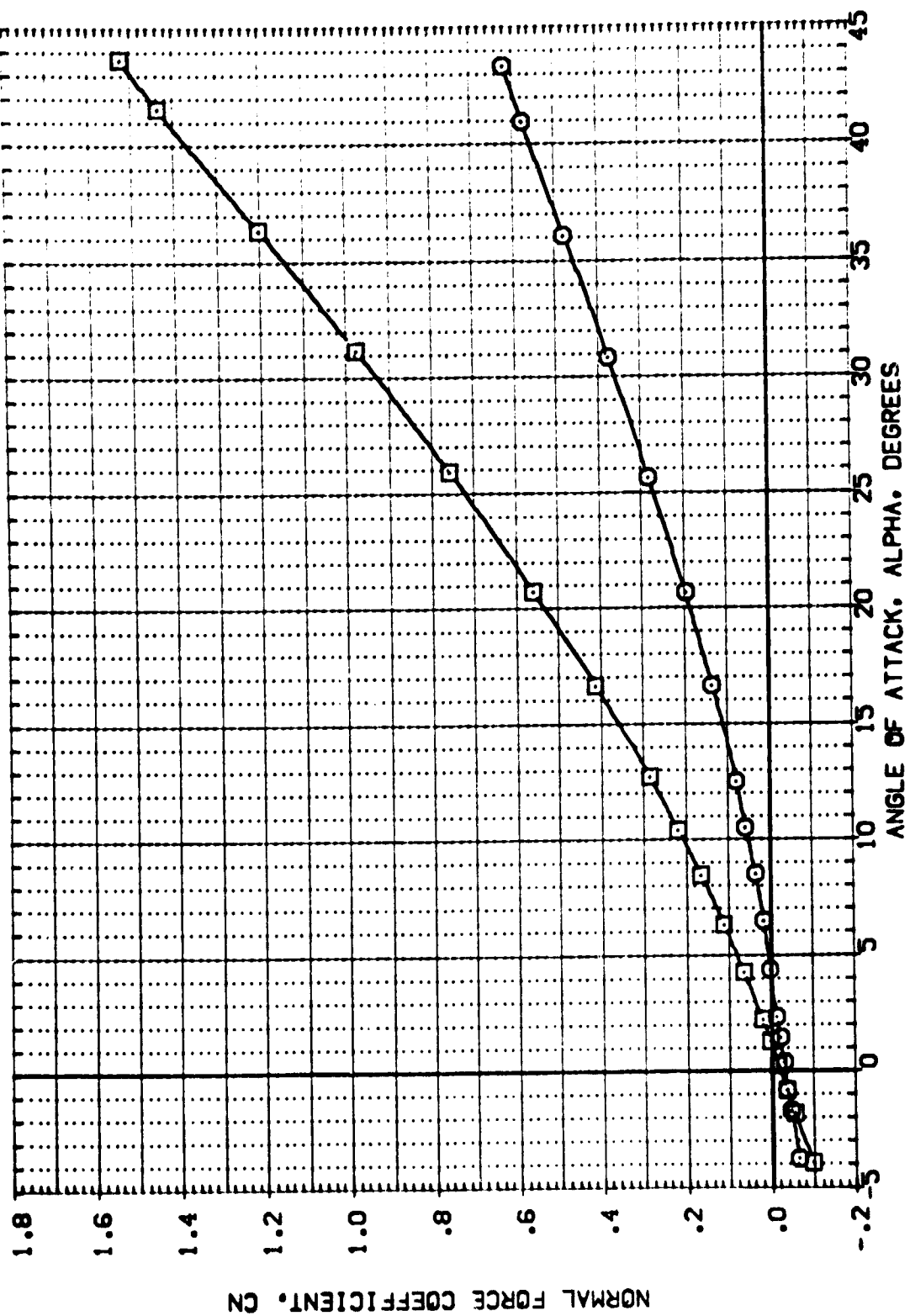
COMPONENT BUILDUP -898 CONFIG

(B)MACH = 3.90

DATA SET SYMBOL: CONF-2A B10C5D7KGF4X18  
 (PANEL 1) DATA UPVT 1035 CONF-2A B10C5D7KGF4X18  
 (PANEL 2) DATA UPVT 1035 CONF-2A B10C5D7KGF4X18

ELEVTR 0.000 BDFLAP -14.250 SPDBRK 54.920 RUDDER .000

REFERENCE INFORMATION  
 SREF 87.1560 SO. IN. 50. IN.  
 LREF 7.1270 IN-OES  
 BREF 14.0502 IN-OES  
 XTRP 13.1469 IN-OES  
 YTRP .7000 IN-OES  
 ZTRP 6.0080 IN-OES  
 SCALE .0150 SCALE



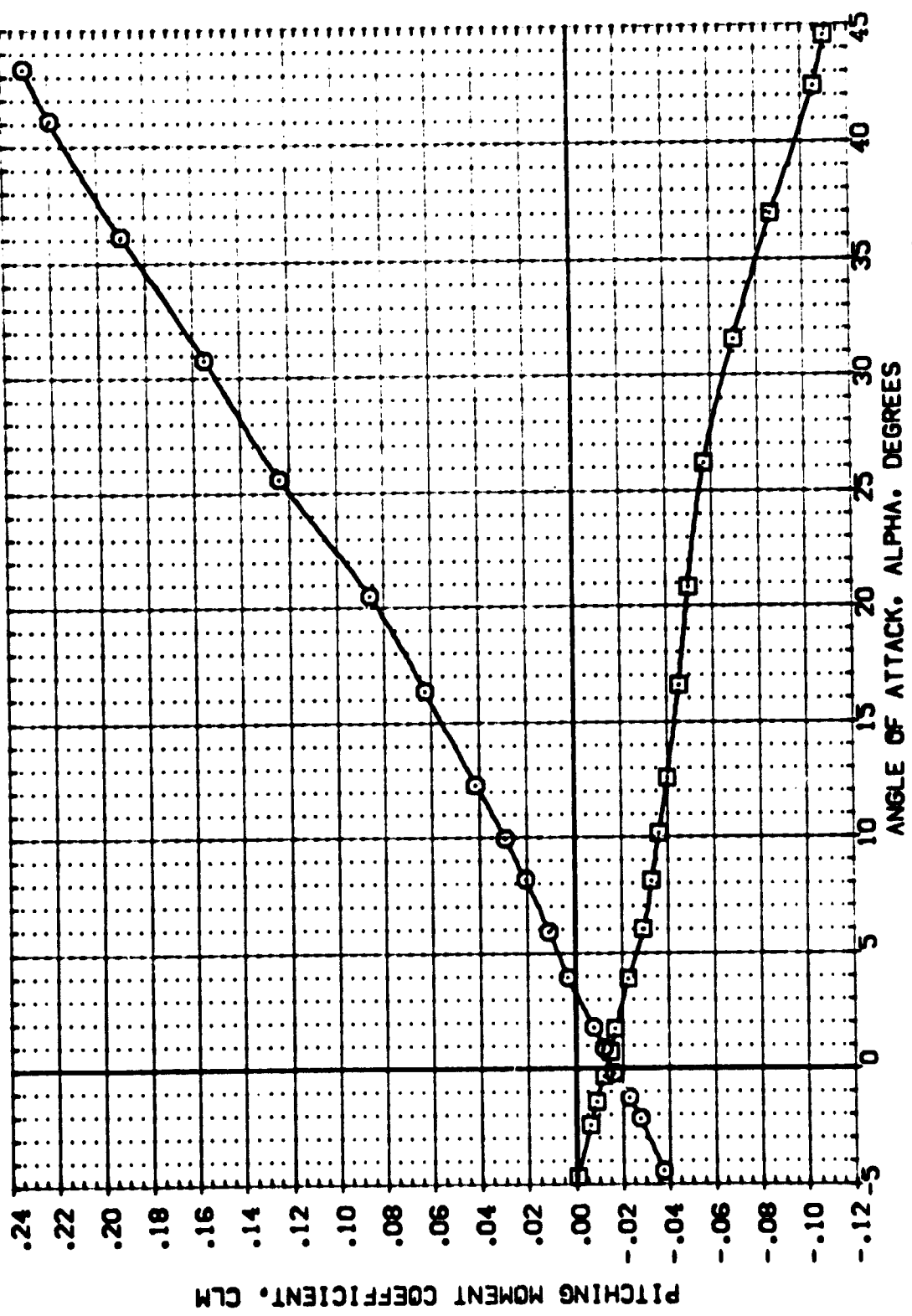
COMPONENT BUILDUP -898 CONFIG  
 (C)MACH = 4.60



DATA SET SYMBOL: 0441 UPVT 1005 CONF-2A B1052070FAV7E1005X18  
 (MACH) □ 0441 UPVT 1005 CONF-2A B1052070FAV7E1005X18  
 (MACH) □

ELEVTR EDLAP SPURK RUDER  
 .000 -14.250 54.820 .000

REFERENCE INFORMATION  
 SNET 87.1580 90. IN  
 LREF 7.1220 INCHES  
 MREF 14.0502 INCHES  
 YMRP 13.1458 INCHES  
 ZMRP 6.0000 INCHES  
 SCALE .0150 SCALE



COMPONENT BUILDUP -898 CONFIG

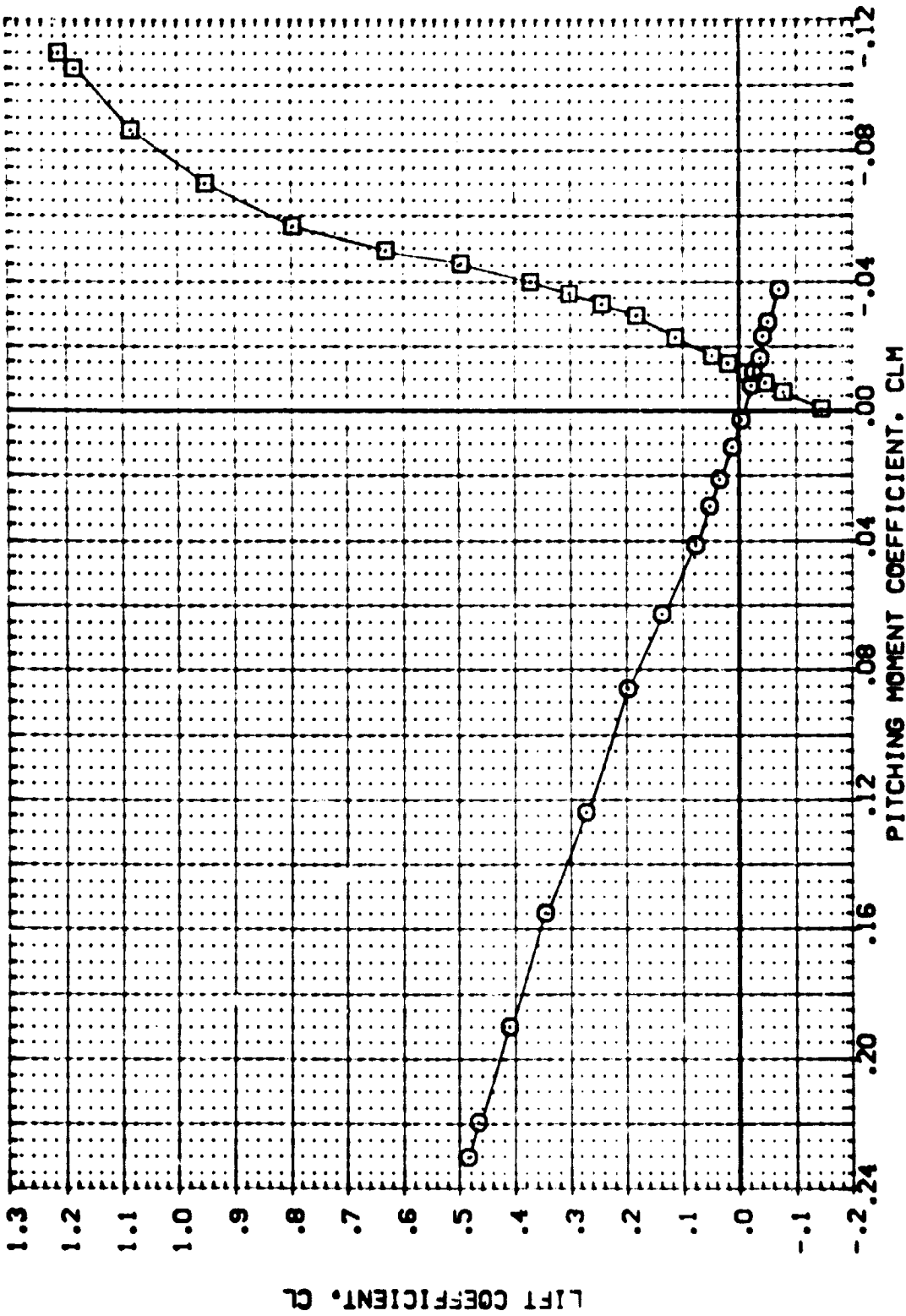
(A)MACH = 2.50





DATA SET SYMBOL: **8** CONFIGURATION DESCRIPTION: **CONF-2A BUCS070CF4X18**  
 { 090413 } **8** DATA UNIT: **CONF-2A BUCS070CF4X18**  
 { 090413 } **8** DATA UNIT: **CONF-2A BUCS070CF4X18**

ELEVTR: **0.000** BOFLAP: **-14.250** SPOONK, RUDDER: **.000**  
 REFERENCE INFORMATION: **SD, IN: 50.100**  
**WREF: 7.1270** **IN-OES: 14.0502**  
**WREF: 13.1488** **IN-OES: 13.1488**  
**WREF: 6.0000** **IN-OES: 6.0000**  
**WREF: 6.0150** **IN-OES: 6.0150**  
**SCALE: 0.0150**

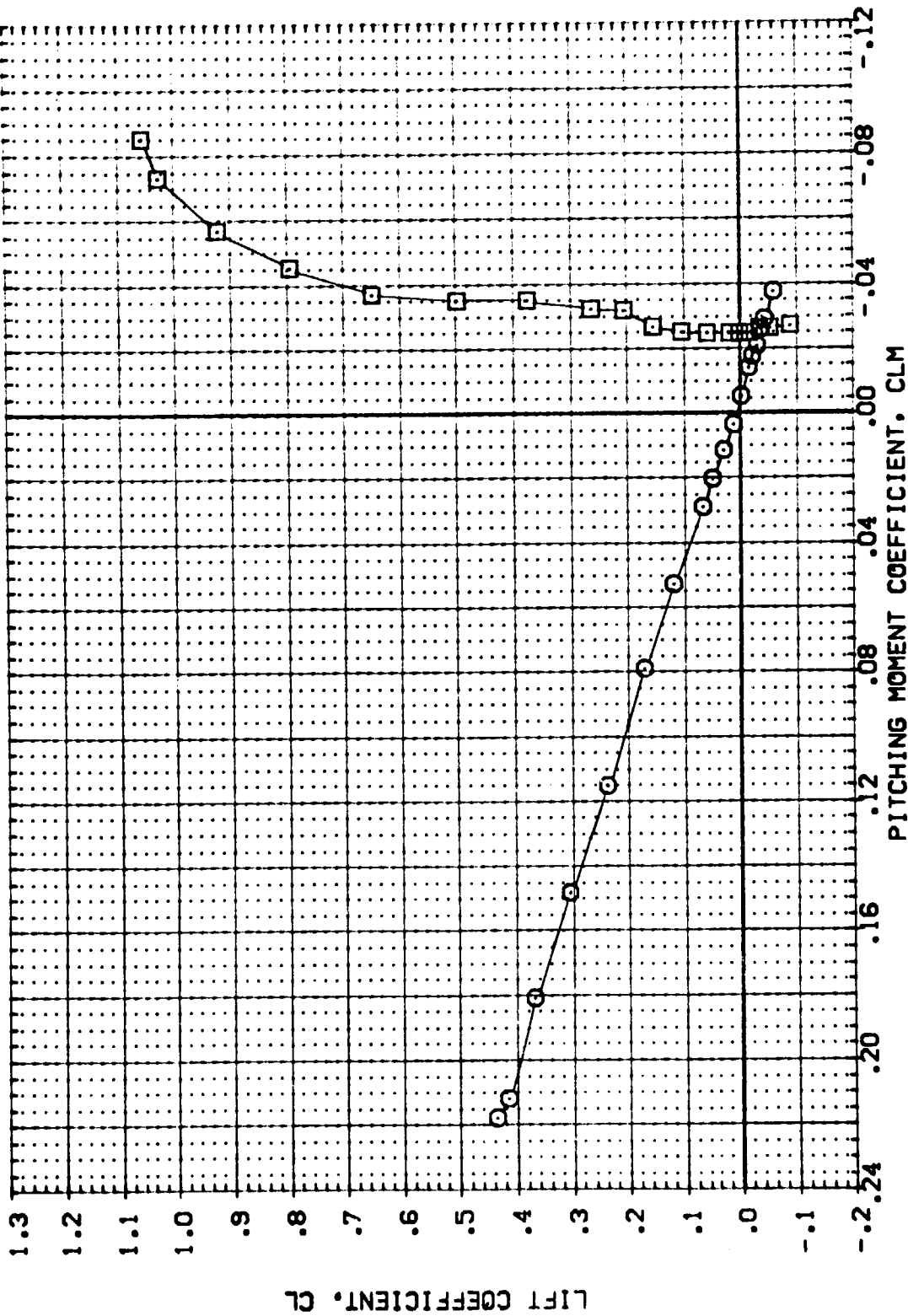


COMPONENT BUILDUP -898 CONFIG

(A)MACH = 2.50



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	BDFLAP	SPOBRK	RUDDER	REFERENCE INFORMATION
{RPNEL3}	0A44 UPVT 1035 CONF-2A B10C307KGFAX16	.000	-14.250	54.920	.000	SREF 87.1560 50. IN.
{RPNEL2}	0A44 UPVT 1035 CONF-2A B10C307KGFAX16	.000	-14.250	54.920	.000	LREF 7.1220 IN.-ES
						BREF 14.0502 IN.-ES
						XMRP 13.1469 IN.-ES
						ZMRP .0000 IN.-ES
						SCALE 6.0000 IN.-ES
						SCALE .0150



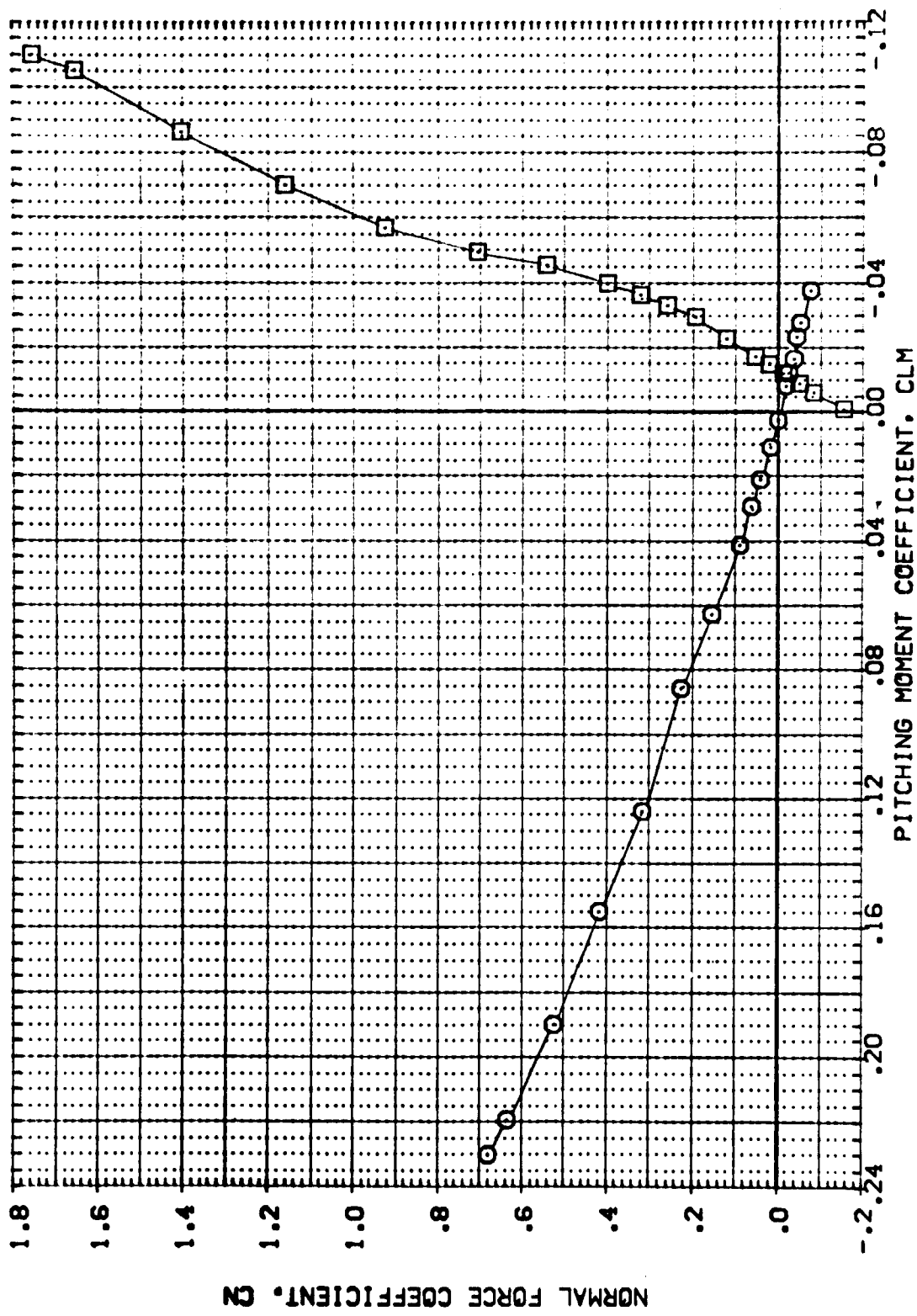
COMPONENT BUILDUP -89B CONFIG

(C)MACH = 4.60

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RPM13) □ DATA UPVT 1035 CONF-2A B10C507M3F4X16  
 (RPM02) □ DATA UPVT 1035 CONF-2A B10C507M3F4V67E16R3V3X16

ELEVTR BDFLAP SPOBRK RUDDER  
 .000 -14.250 54.920 .000

REFERENCE INFORMATION  
 SREF 67.1560 SQ. IN.  
 LREF 7.1220 INCHES  
 BREF 14.0502 INCHES  
 XMRP 13.1469 INCHES  
 YMRP .0000 INCHES  
 ZMRP 6.0000 INCHES  
 SCALE .0150 SCALE



COMPONENT BUILDUP -898 CONFIG

(AJMACH = 2.50

DATA SET SYMBL. CONFIGURATION DESCRIPTION REFERENCE INFORMATION

{ 0444 UPVT 1025 CONF-2A 81003077034X18 50 IN. INCHES

{ 0444 UPVT 1025 CONF-2A 81003077034X18 7.1270 INCHES

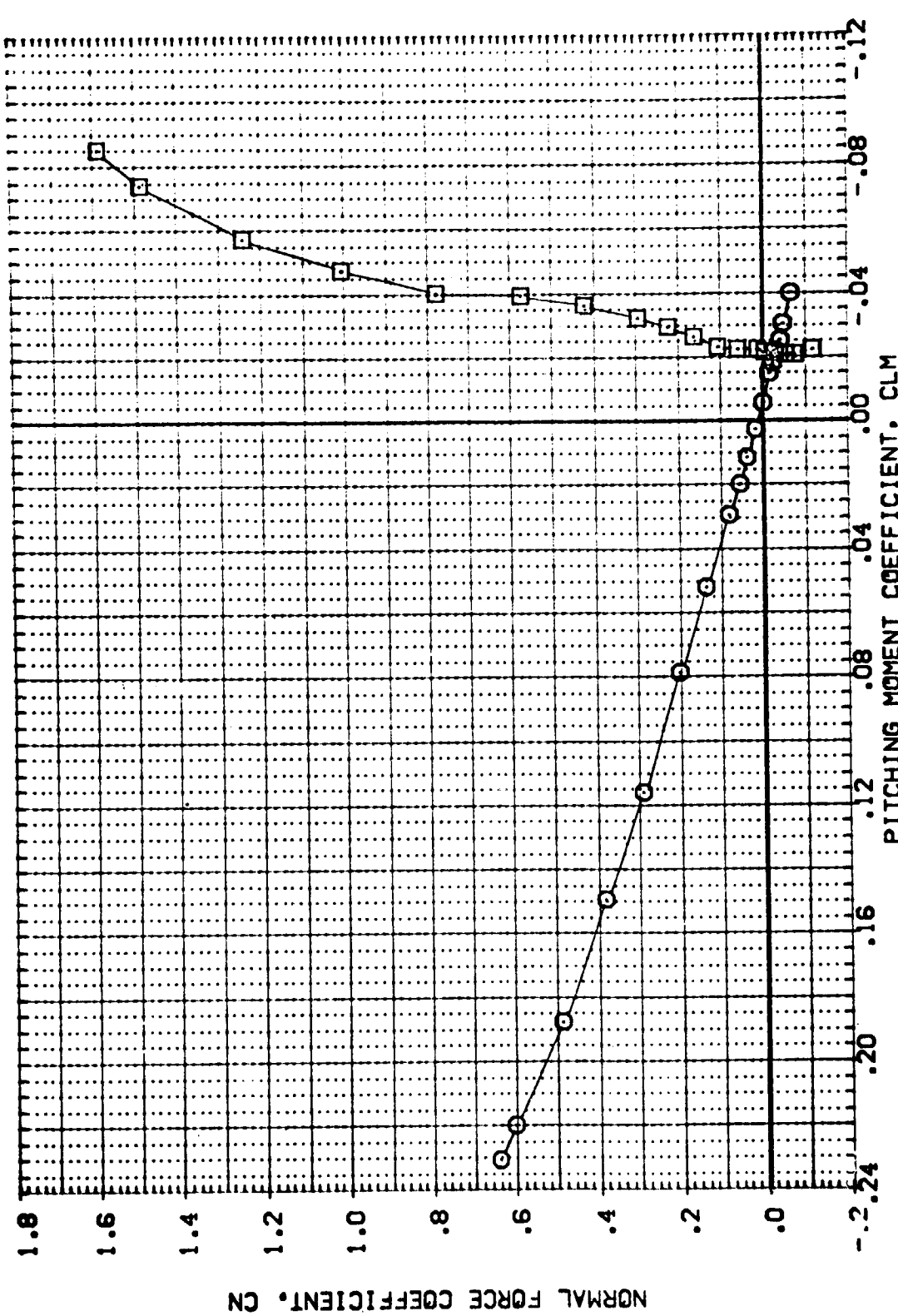
{ 0444 UPVT 1025 CONF-2A 81003077034X18 14.0502 INCHES

{ 0444 UPVT 1025 CONF-2A 81003077034X18 13.1488 INCHES

{ 0444 UPVT 1025 CONF-2A 81003077034X18 .0000 INCHES

{ 0444 UPVT 1025 CONF-2A 81003077034X18 6.0000 INCHES

{ 0444 UPVT 1025 CONF-2A 81003077034X18 .0150 SCALE



COMPONENT BUILDUP -89B CONFIG

(B)MACH = 3.90

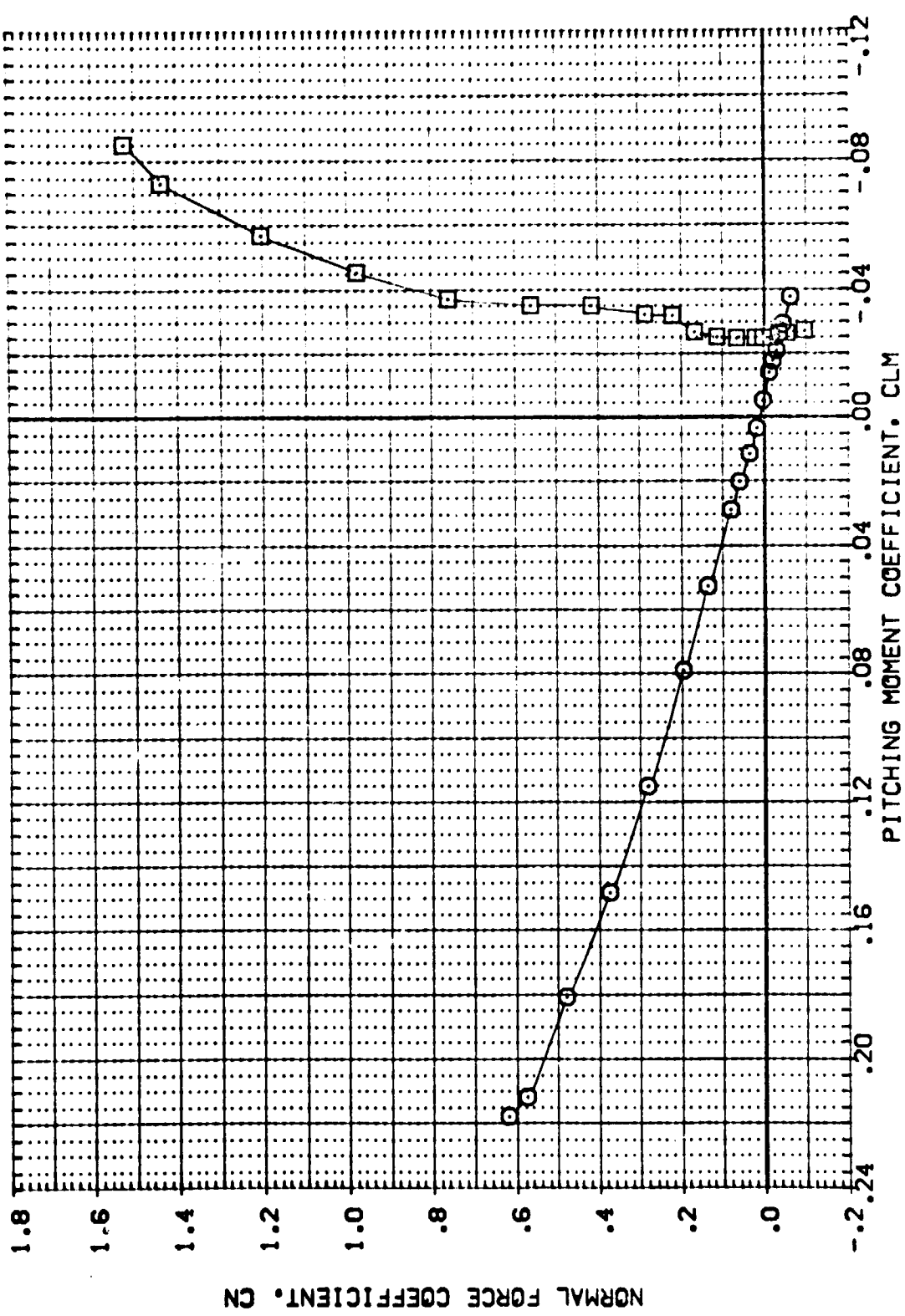
PAGE 308



DATA SET SYMBOL: [ ]  
 CONFIGURATION DESCRIPTION: DATA UPVT 1035 CONF-2A B10C507MCF4X18  
 DATA UPVT 1035 CONF-2A B10C507MCF4V67E18P5V5X18

ELEVTR: .000  
 BOFLAP: -14.250  
 SPOBRK: 54.920  
 RUDDER: .000

REFERENCE INFORMATION:  
 SREF: 87.1560 SO. IN.  
 LREF: 7.1200 INO-ES  
 BREF: 14.0500 INO-ES  
 XTRP: 13.1463 INO-ES  
 YTRP: .0000 INO-ES  
 ZTRP: 6.0000 INO-ES  
 SCALE: .0150 SCALE



COMPONENT BUILDUP -89B CONFIG

(C)MACH = 4.60

DATA SET SYMOL CONFIGURATION DESCRIPTION REFERENCE INFORMATION

(RPN13) 0444 UPVT 1035 CONF-2A B10C307NF4X18 SREF 07.1560 SQ IN. 50. IN.

(RPN102) 0444 UPVT 1035 CONF-2A B10C307NF4X18 LREF 7.1220 IN.-ES 10.-ES

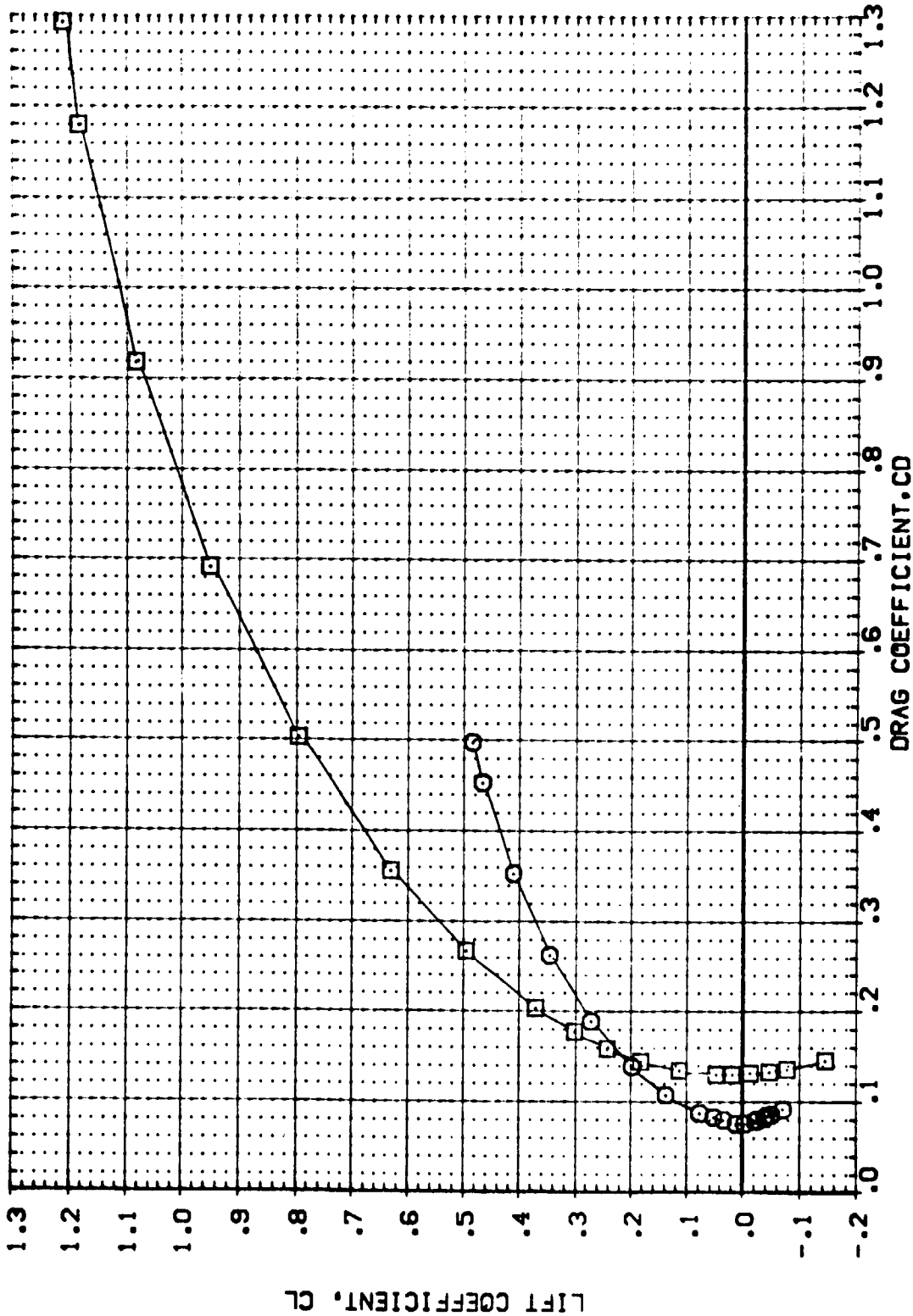
0444 UPVT 1035 CONF-2A B10C307NF4X18 ELEVTR 0.000 .000 54.920 54.920 .000 14.0502 IN.-ES

XMRP 13.1469 .0000 6.0000 IN.-ES

YMRP .0000 IN.-ES

ZMRP 6.0000 IN.-ES

SCALE .0150 SCALE

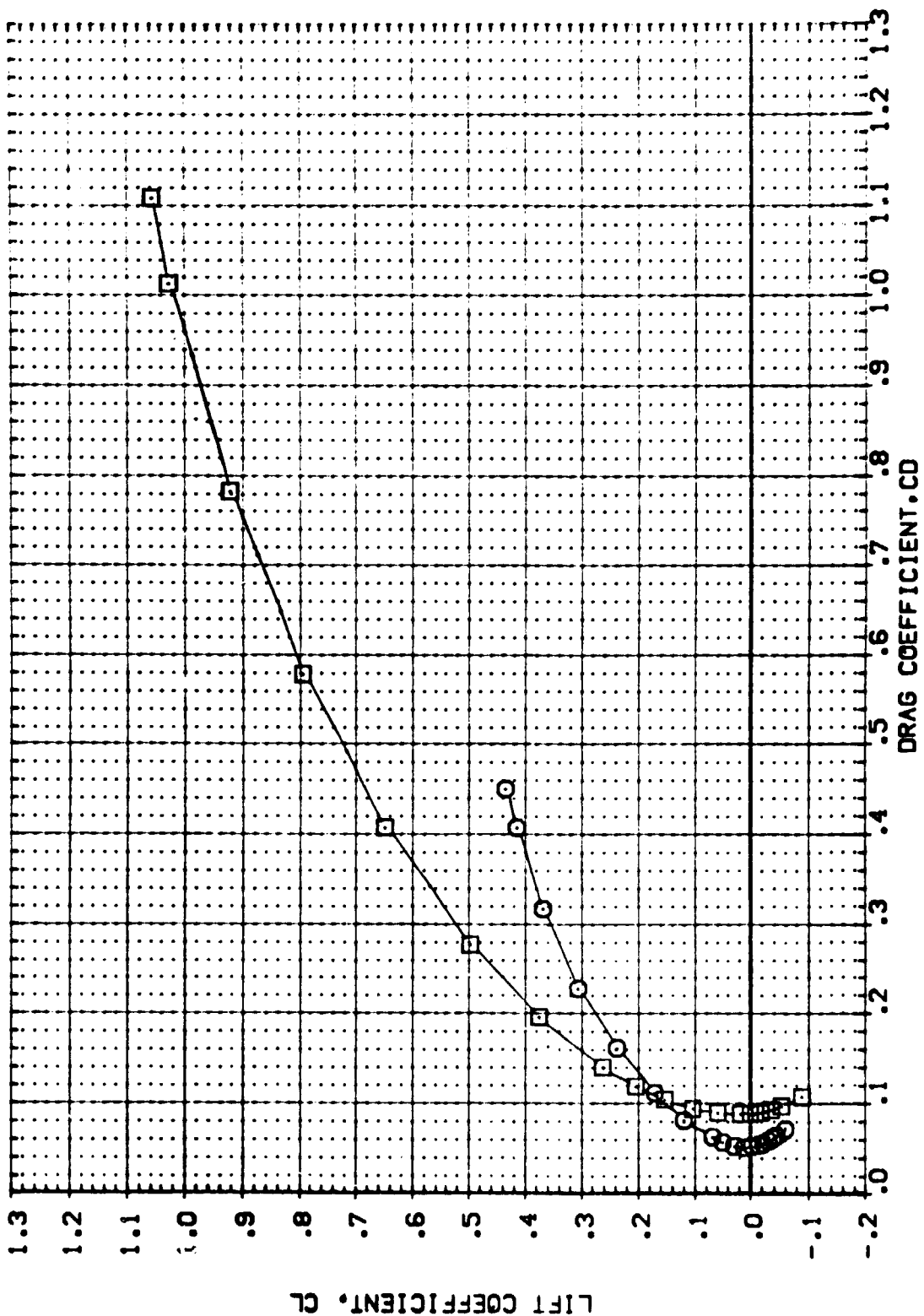


COMPONENT BUILDUP -89B CONFIG

(A)MACH = 2.50



DATA SET SYMBOL: (RPNED2) □  
 CONFIGURATION DESCRIPTION: 0A44 UPVT 1035 CONF-2A B10C307MCF4X16  
 0A44 UPVT 1035 CONF-2A B10C307MCF4X16  
 ELEVTR: .000 BOFLAP: -14.250 SPOBRK: .000 RUDDER: .000  
 REFERENCE INFORMATION:  
 SREF: 87.1560 SQ. IN.  
 LREF: 7.1270 INCHES  
 BREF: 14.0502 INCHES  
 YPRP: 13.1469 INCHES  
 ZPRP: 6.0000 INCHES  
 SCALE: .0150 INCHES



COMPONENT BUILDUP - 898 CONFIG

(C)MACH = 4.60



DATA SET SYMBOL  
{RNP12} □  
{RNP02}

CONFIGURATION DESCRIPTION

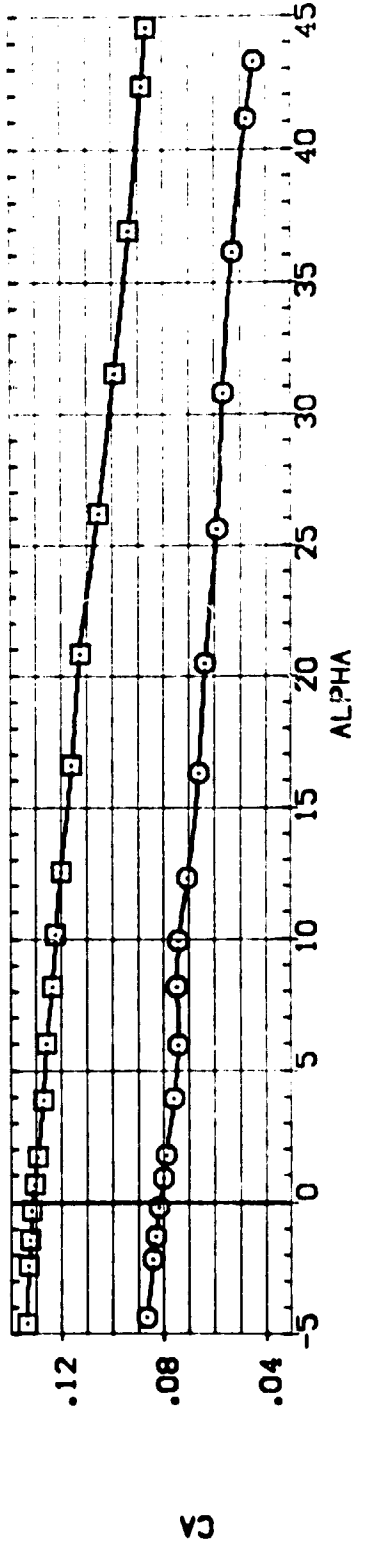
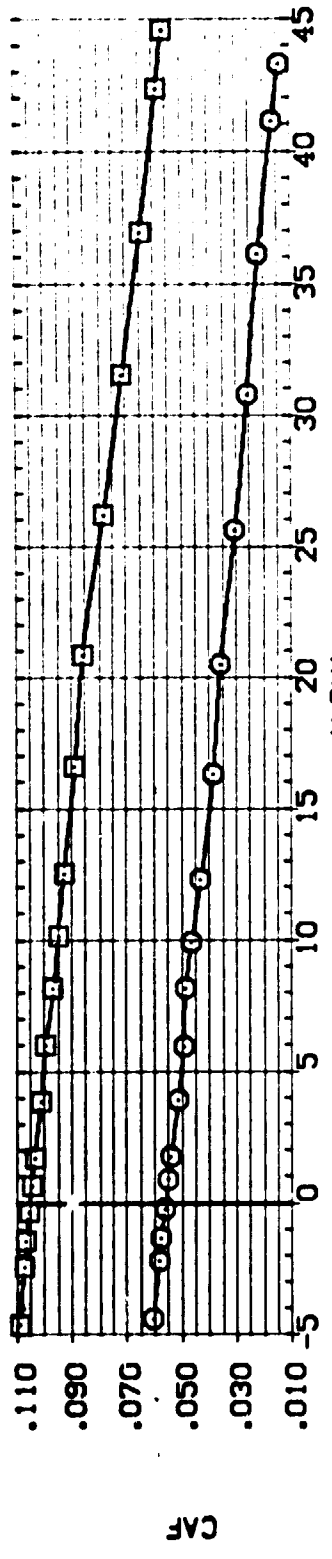
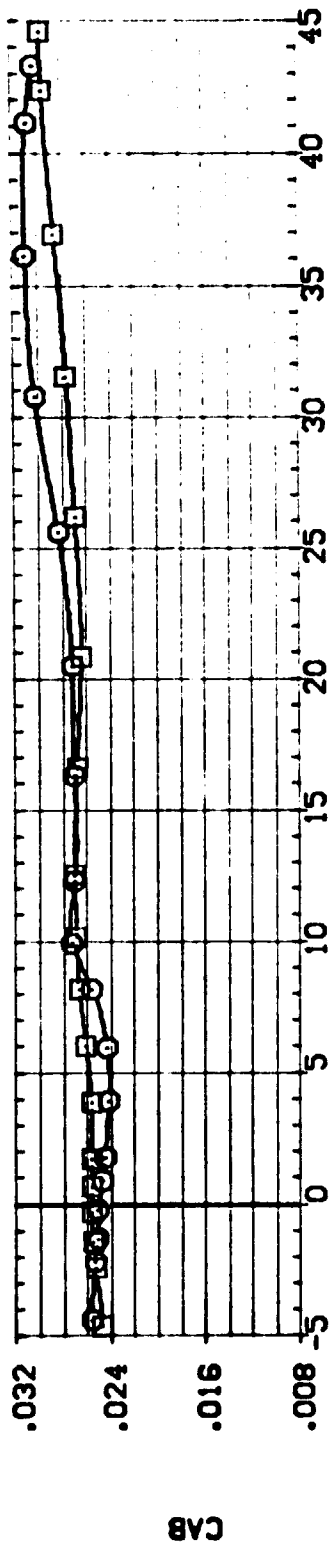
0A44 UPVT 1035 CONF-2A B10C5D7M34X16  
0A44 UPVT 1035 CONF-2A B10C5D7M34V87E10R5V5X16

ELEVTR 80FLAP  
-14.250  
.000 -14.250

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

SPOBRK  
54.920

RUDDER  
.000



COMPONENT BUILDUP -898 CONFIG

(A)MACH = 2.50

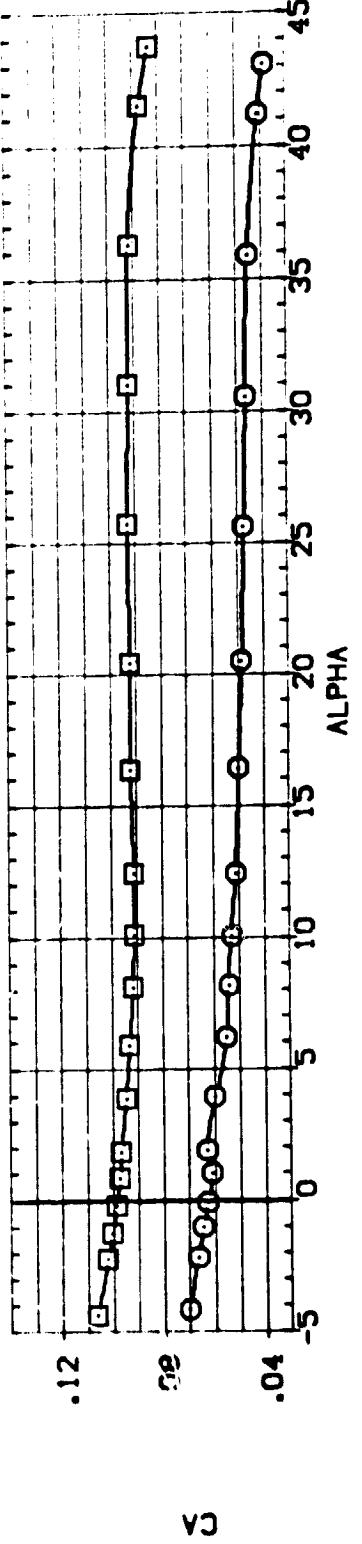
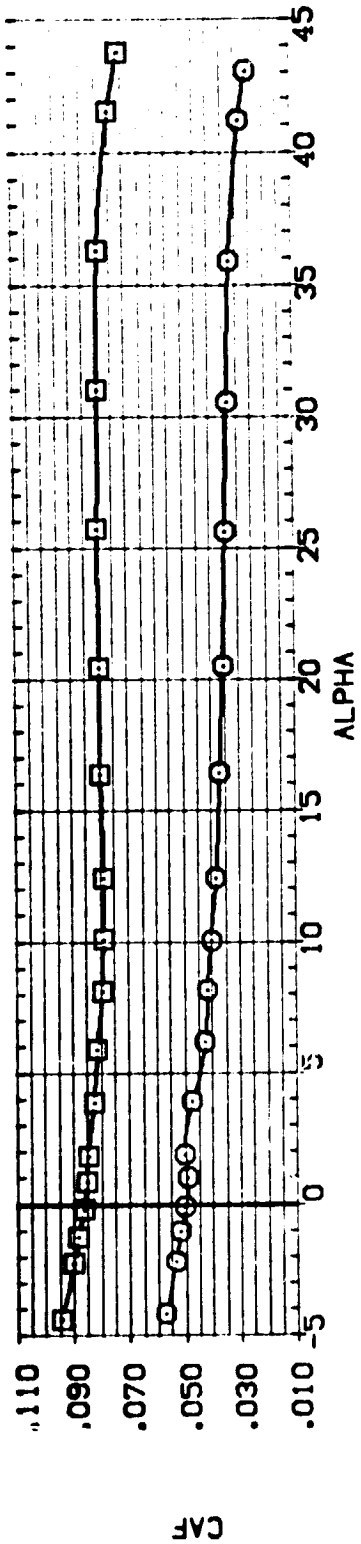
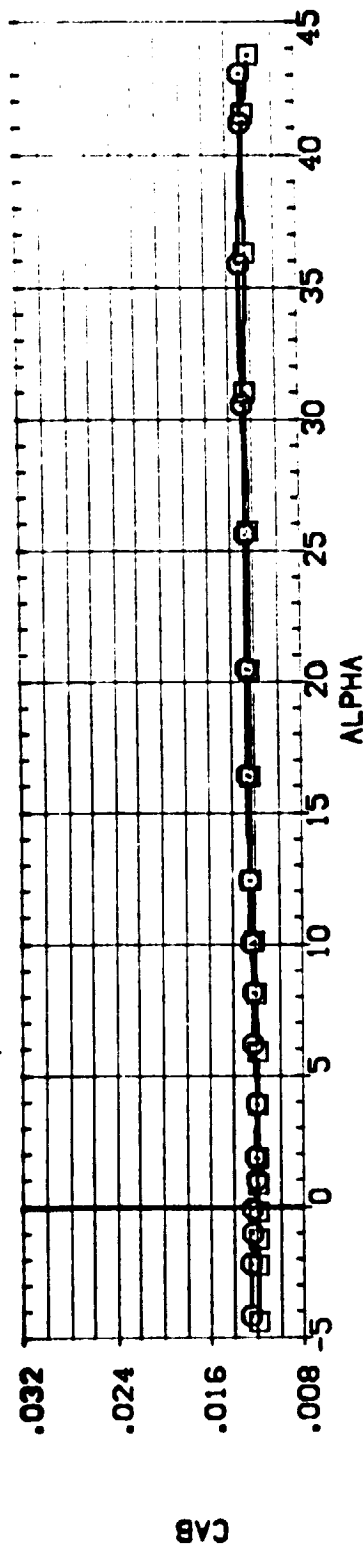
DATA SET SYMBOL {REP13} □  
 {REP02}

CONFIGURATION DESCRIPTION

0A44 UPVT 1088 CONF-2A B100270764X16  
 0A44 UPVT 1088 CONF-2A B100270764X16

ELEVTR .000  
 BOFLAP -14.250  
 SPOBRK 94.920  
 RUDDER .000

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP -898 CONFIG

(B)MACH = 3.90

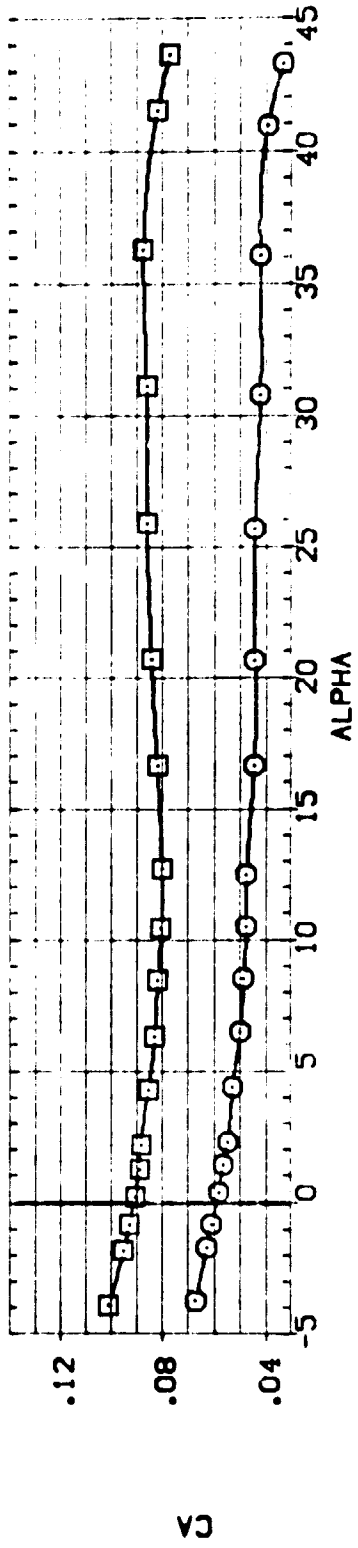
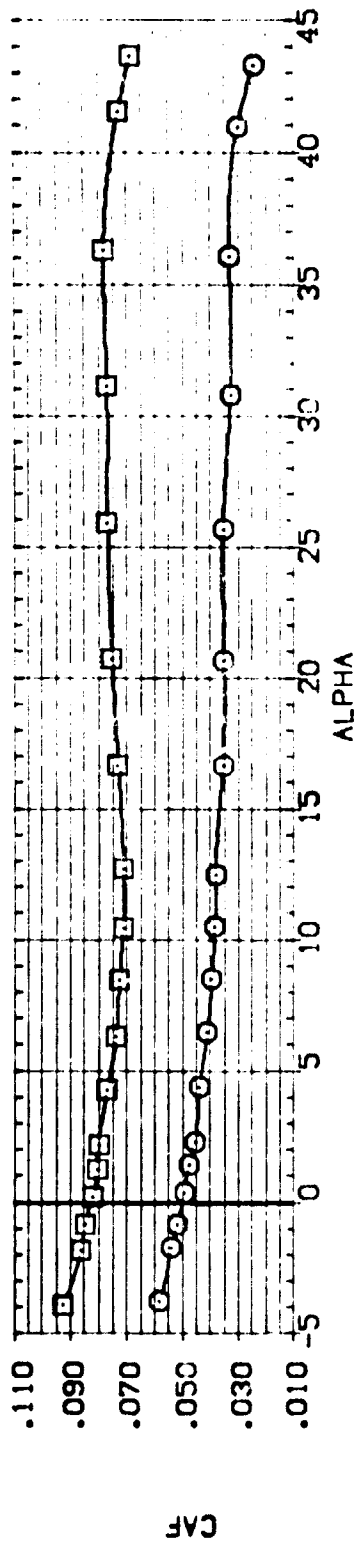
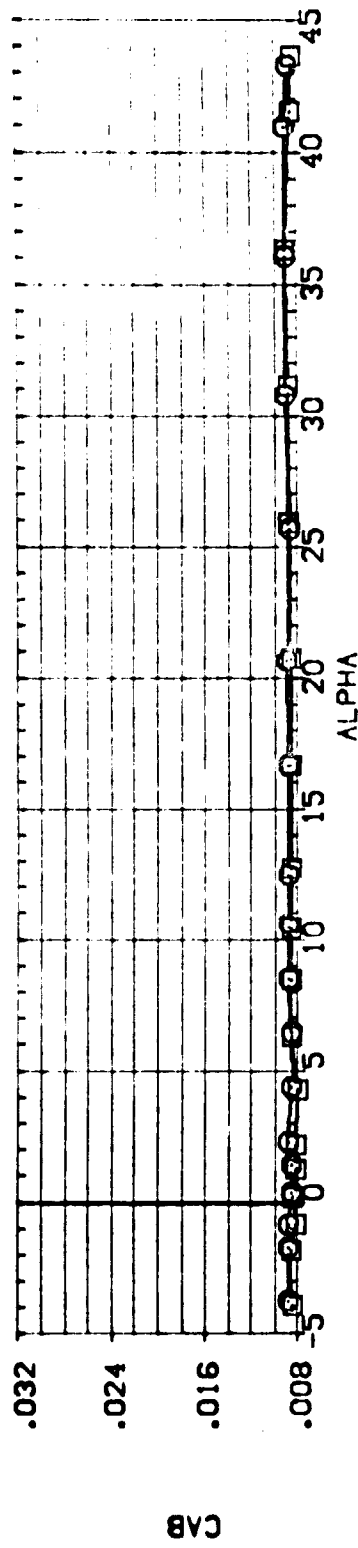


DATA SET SYMBOL: (RNP13) (RNP02)

CONFIGURATION DESCRIPTION: DA44 UPVT 1035 CONF-2A 810C307MCF4X16  
 DA44 UPVT 1035 CONF-2A 810C307MCF-1V07E18R5V3X16

ELEVTR: .000  
 BOFLAP: -14.250  
 SPDRBK: 54.820

RUDDER: .000  
 SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP -99B CONFIG

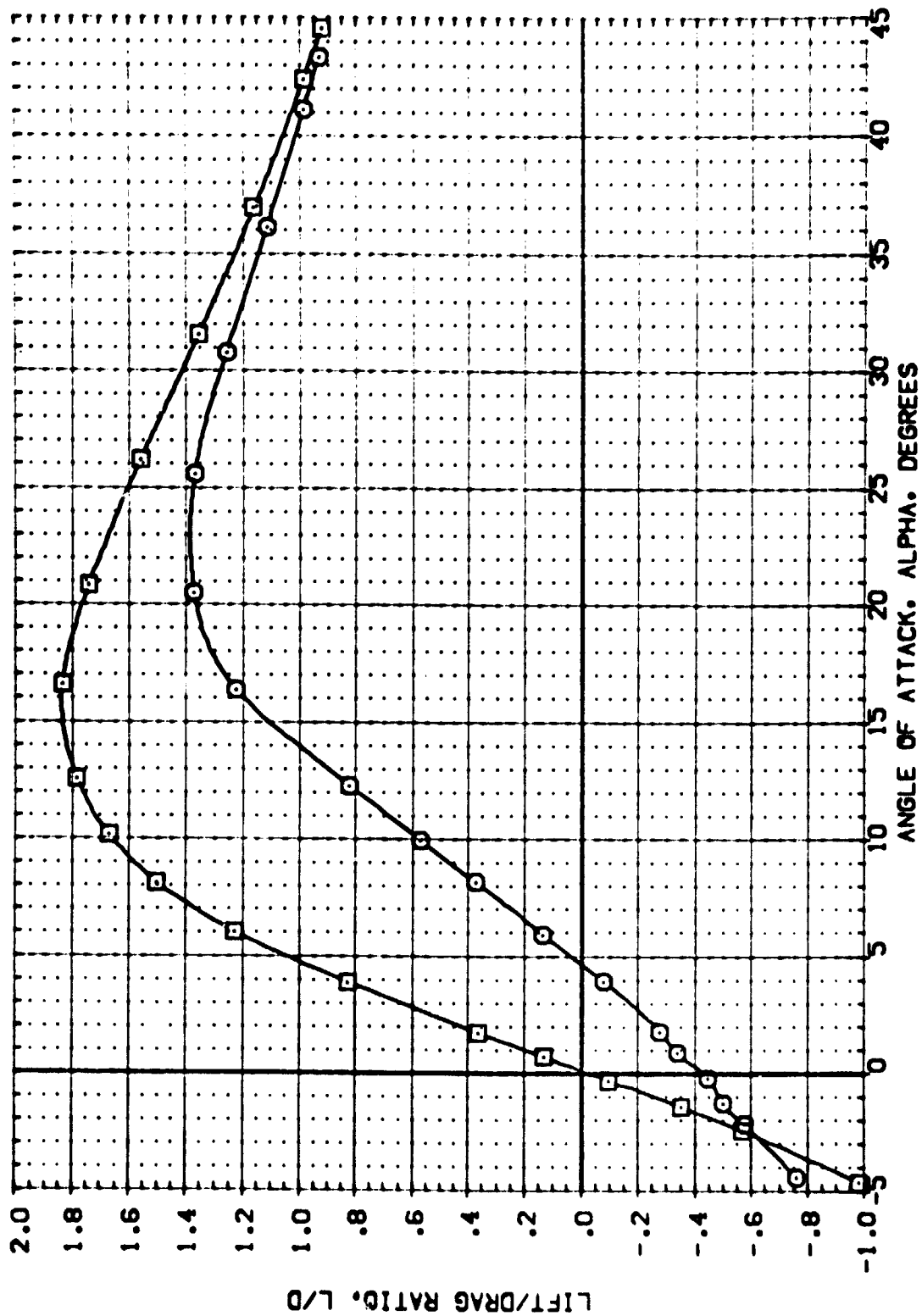
(C)MACH = 4.60

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (898P13) 0444 UPVT 1035 CONF-2A 8102507MG-4X16  
 (1898P02) 0444 UPVT 1035 CONF-2A 8102507MG-4U67E1895V3X16

ELEVTR BDFLAP SPOBRK RUDDER  
 .000 -14.250 .000 .000

SPDRBK RUDDER  
 94.920 .000

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP -898 CONFIG

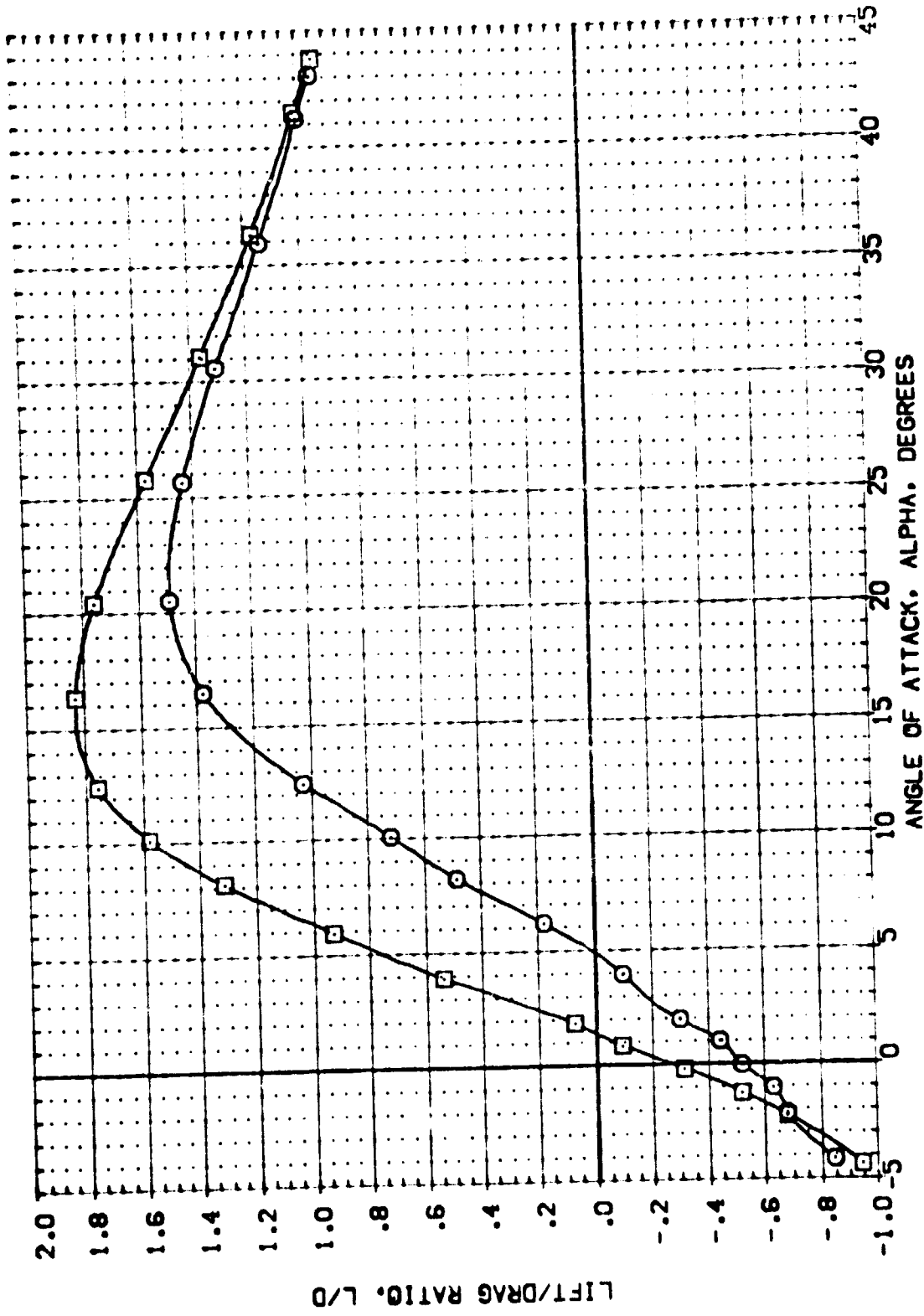
(A)MACH = 2.50



SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

ELEVTR 80FLAP SPOBRK RUDDER  
 -14.250 54.920 .000  
 .000 -14.250

CONFIGURATION DESCRIPTION  
 DATA UPT 1005 CONF-2A B10CSD0704X16  
 DATA UPT 1005 CONF-2A B10CSD0704V07E18R05X16



COMPONENT BUILDUP -900 CONFIG

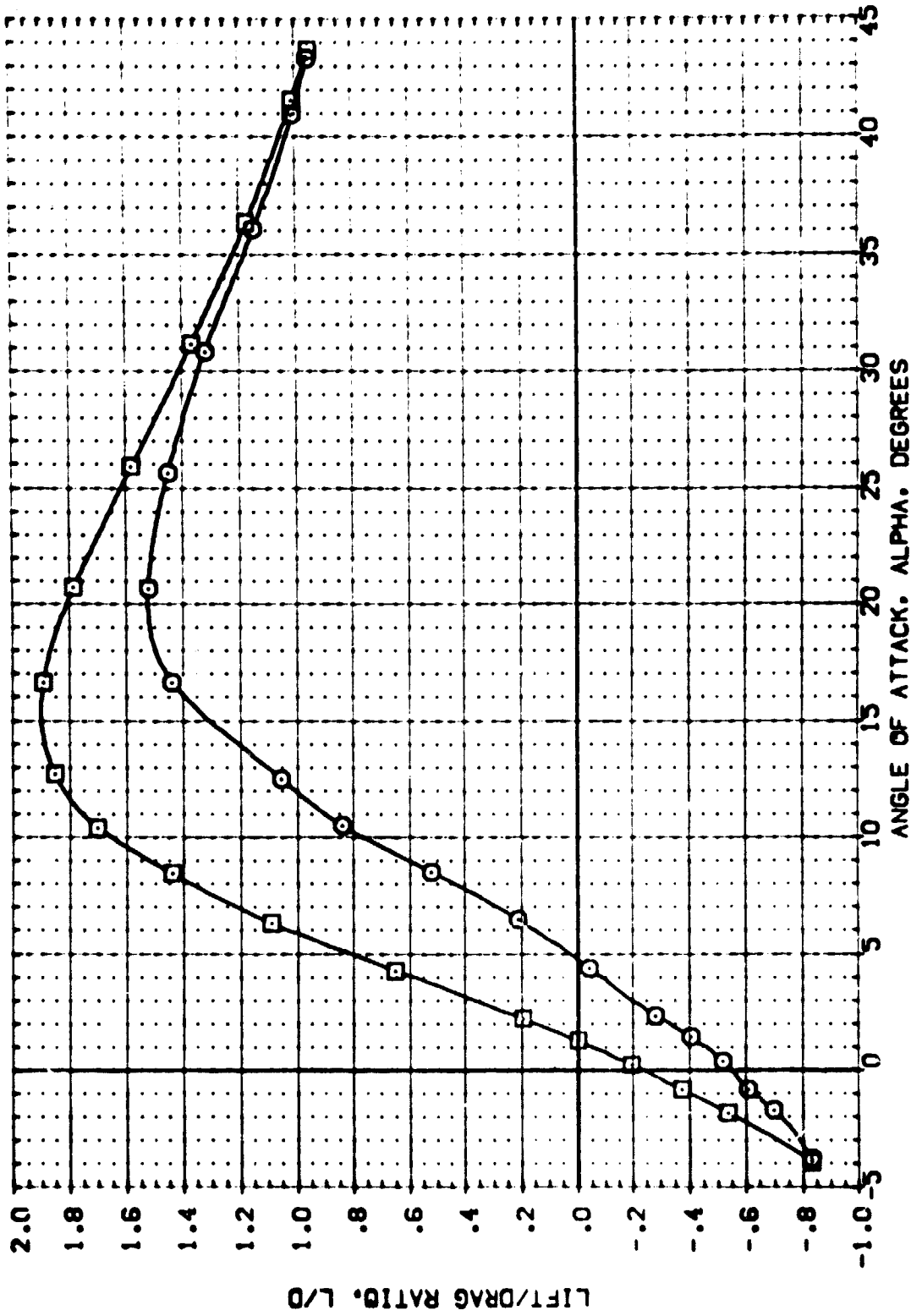
(B)MACH = 3.90

DATA SET SYMBOL: CONF-2A BLDG 898  
 (RNP13) DATA UNIT 1005 CONF-2A BLDG 898  
 (RNP02) DATA UNIT 1005 CONF-2A BLDG 898

CONFIGURATION DESCRIPTION

ELEVTR 0.000  
 SPOBRK -14.250  
 RUDR 0.000

SEE THE ASSOCIATED DATA  
 DOCUMENT FOR REFERENCE  
 CHARACTERISTICS FOR  
 INDIVIDUAL DATASETS



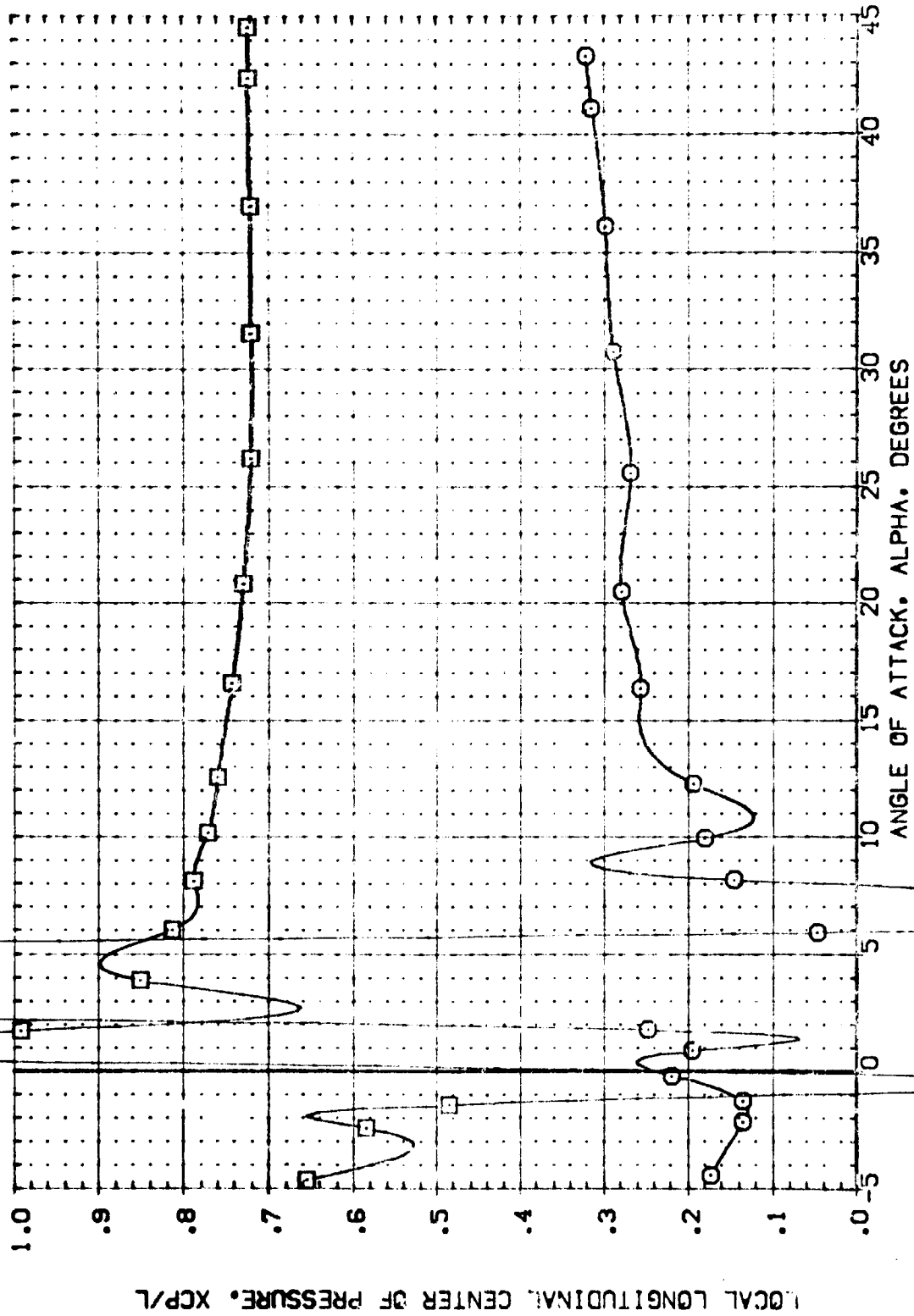
COMPONENT BUILDUP -898 CONFIG

(C)MACH = 4.60

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

ELEVTR BOFLAP SPOBRK RUDDER  
.000 -14.250 54.920 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RPA13) 0A44 UPVT 1035 CONF-2A B10C507M3F4X16  
(RPA02) 0A44 UPVT 1035 CONF-2A B10C507M3F4V87E18R5V3X16



COMPONENT BUILDUP -89B CONFIG

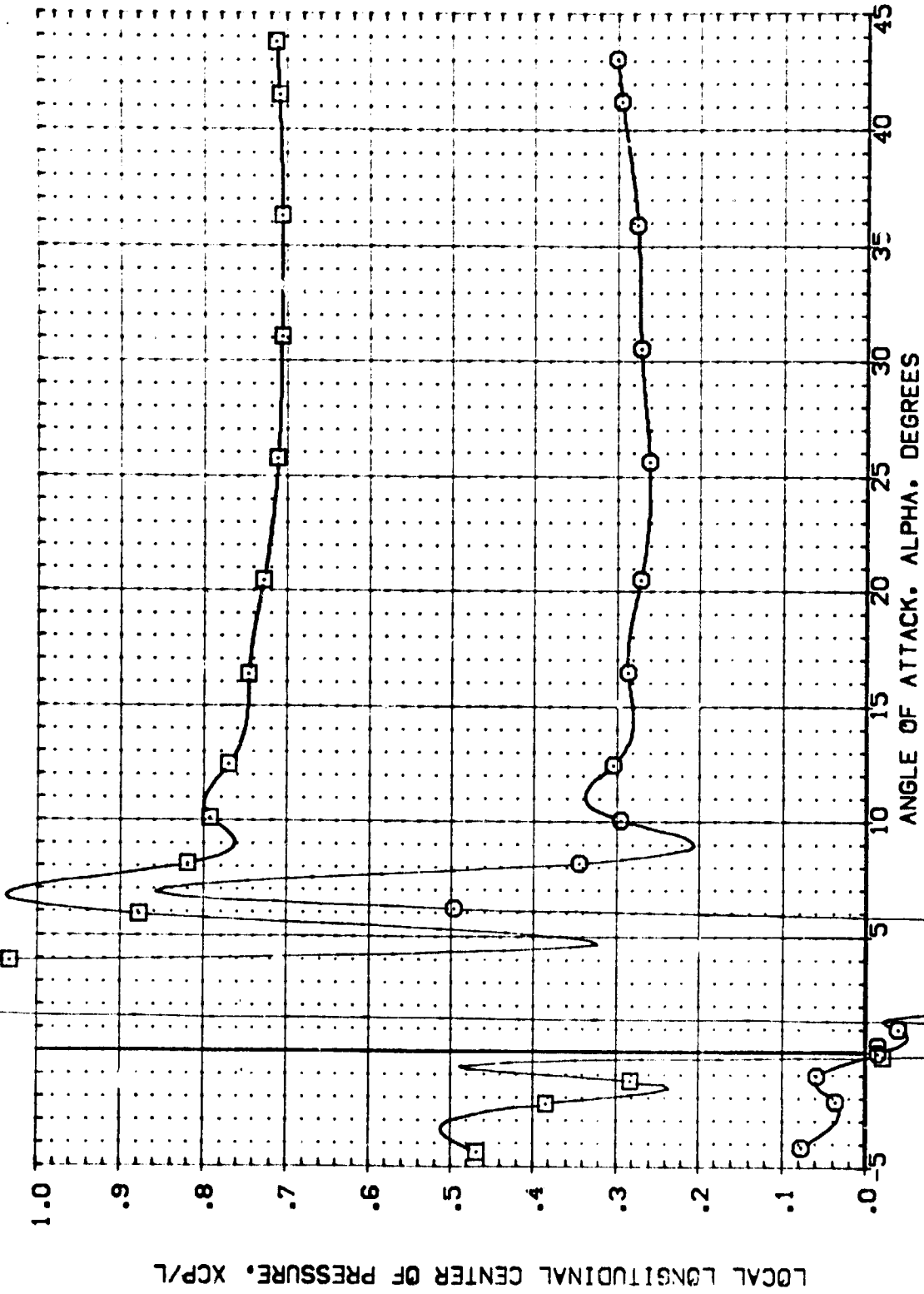
(A)MACH = 2.50

DATA SET SYMBOL: CONF-2A B103507MCFAX18  
 { RAMP13 } DATA UPVT 1000 CONF-2A B103507MCFAX18  
 { RAMP22 } DATA UPVT 1000 CONF-2A B103507MCFAX18

ELEVTR BDFLAP SPOBRK RUDDER  
 .000 -14.250 .000

SEEBRK SPOBRK RUDDER  
 54.920 .000

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS



COMPONENT BUILDUP -89B CONFIG

(B)MACH = 3.90



SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

ELEVTR BOFLAP SPDBRK RUDDER  
 .000 -14.250 54.920 .000

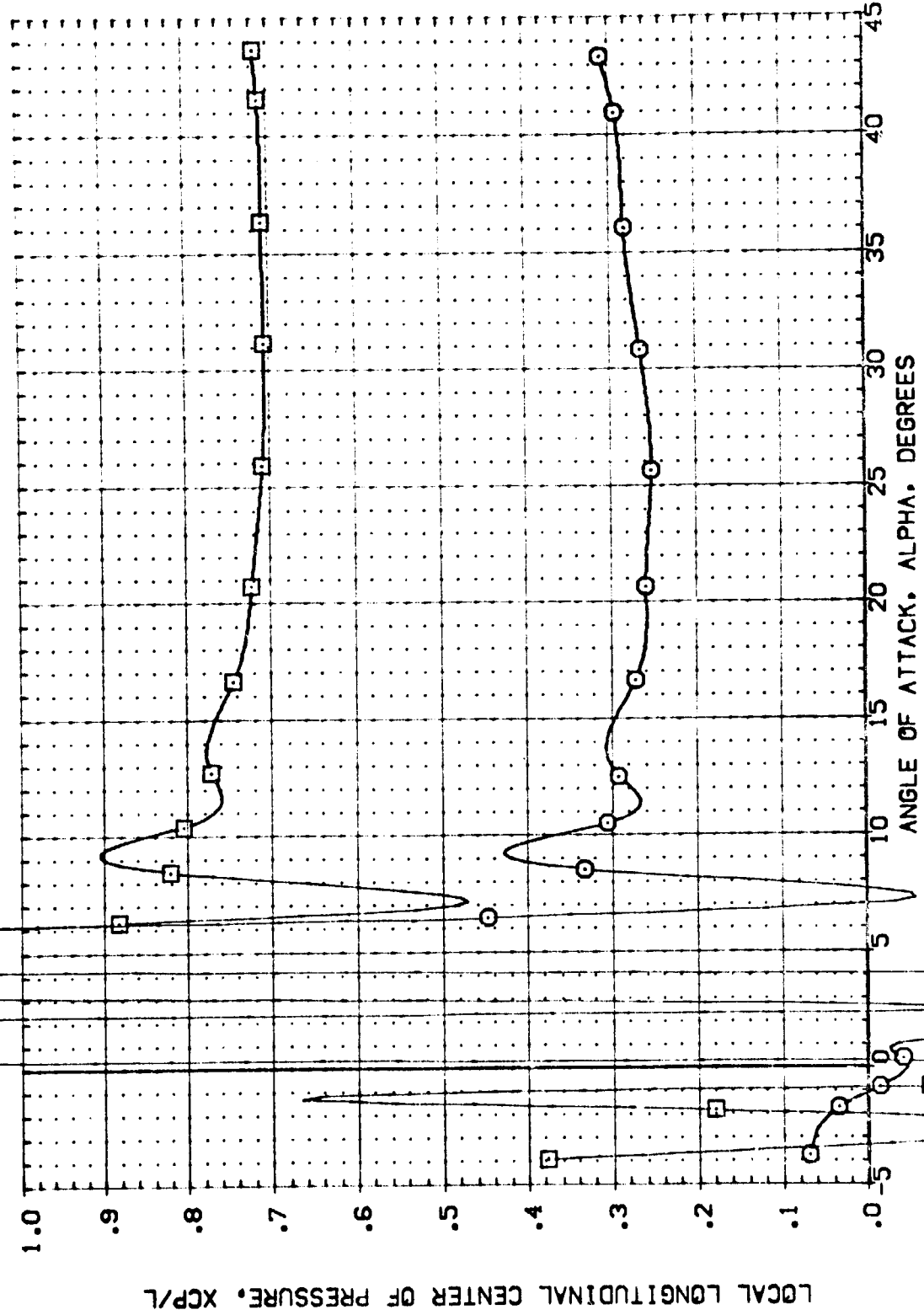
CONF-2A B10C507M3F-4X18  
 CONF-2A B10C507M3F-4V87E18F8V3X16

COMP-2A B10C507M3F-4X18  
 COMP-2A B10C507M3F-4V87E18F8V3X16

COMP-2A B10C507M3F-4X18  
 COMP-2A B10C507M3F-4V87E18F8V3X16

COMP-2A B10C507M3F-4X18  
 COMP-2A B10C507M3F-4V87E18F8V3X16

COMP-2A B10C507M3F-4X18  
 COMP-2A B10C507M3F-4V87E18F8V3X16



COMPONENT BUILDUP -898 CONFIG

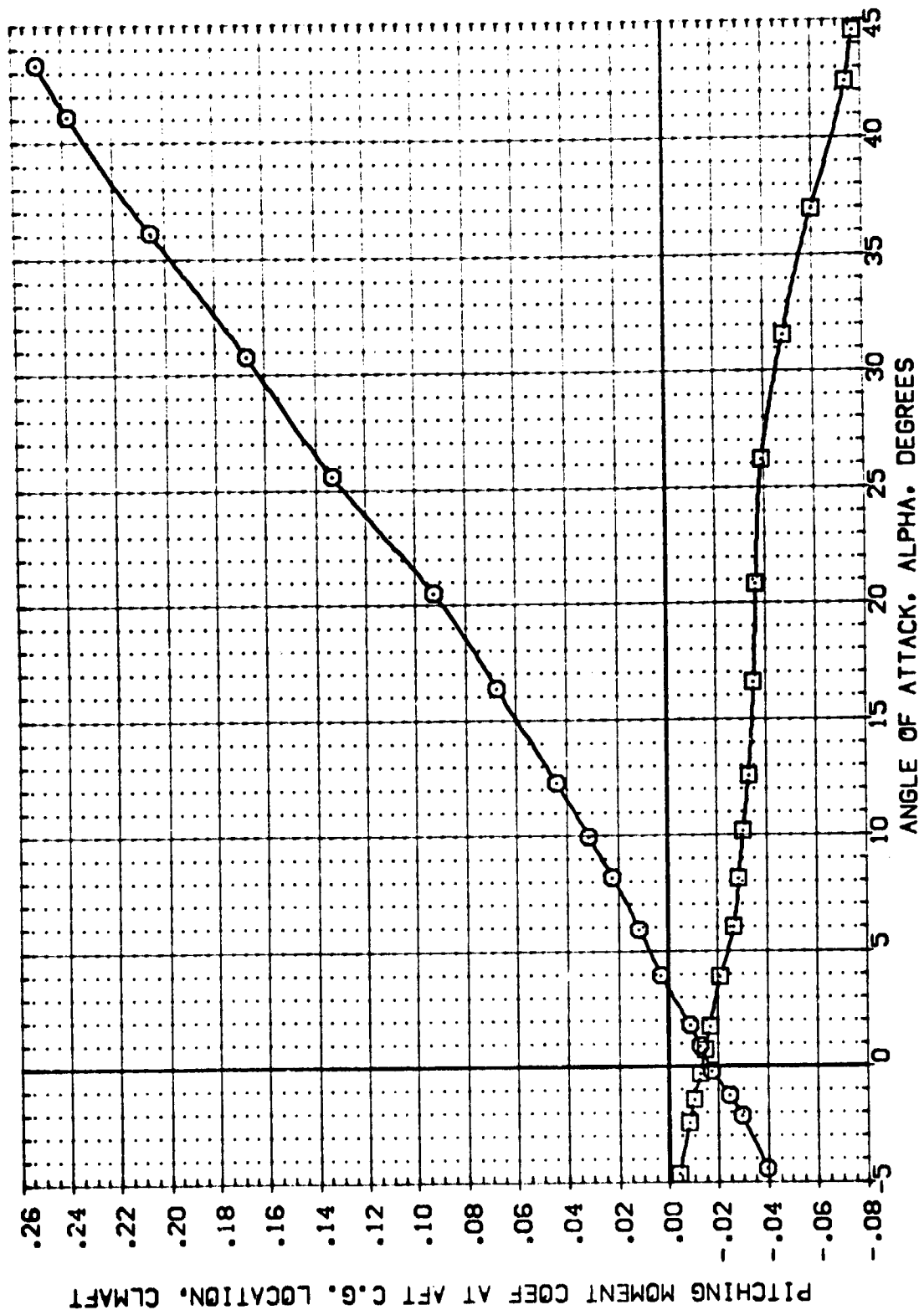
(C)MACH = 4.60

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

ELEVTR BOFLAP SPOBXY RUDDER  
 .000 -14.250 54.920 .000

CONFIGURATION DESCRIPTION  
 0A44 UPVT 1035 CONF-2A 810C507M3F4X16  
 0A44 UPVT 1035 CONF-2A 810C507M3F4W67E16R6V6X16

DATA SET SYMBOL  
 (PRZ13)  
 (PRZ02)



COMPONENT BUILDUP -898 CONFIG

(A)MACH = 2.50

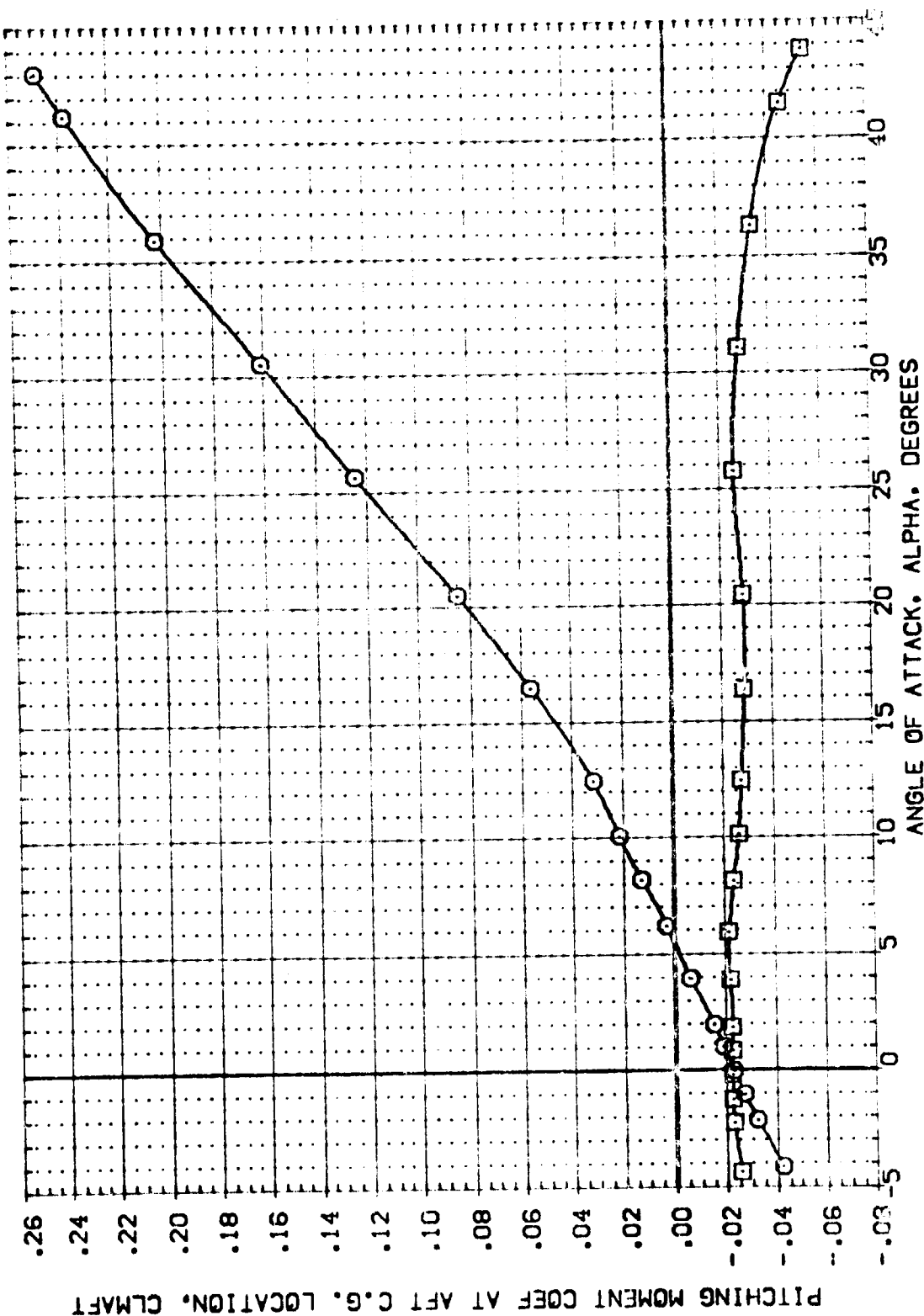
SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

RUDDER .000  
 SPDBRK 51.920  
 BOFLAP -14.250  
 ELEVTR .000

DA44 UPVT 1035 CONF-2A B10C507G3-1X16  
 DA44 UPVT 1035 CONF-2A B10C507G3-1A87E1875V3X16

DATA SET SYMBOL. CONFIGURATION DESCRIPTION

(MPCZ13) (MPCZ02) □



COMPONENT BUILDUP -89B CONFIG

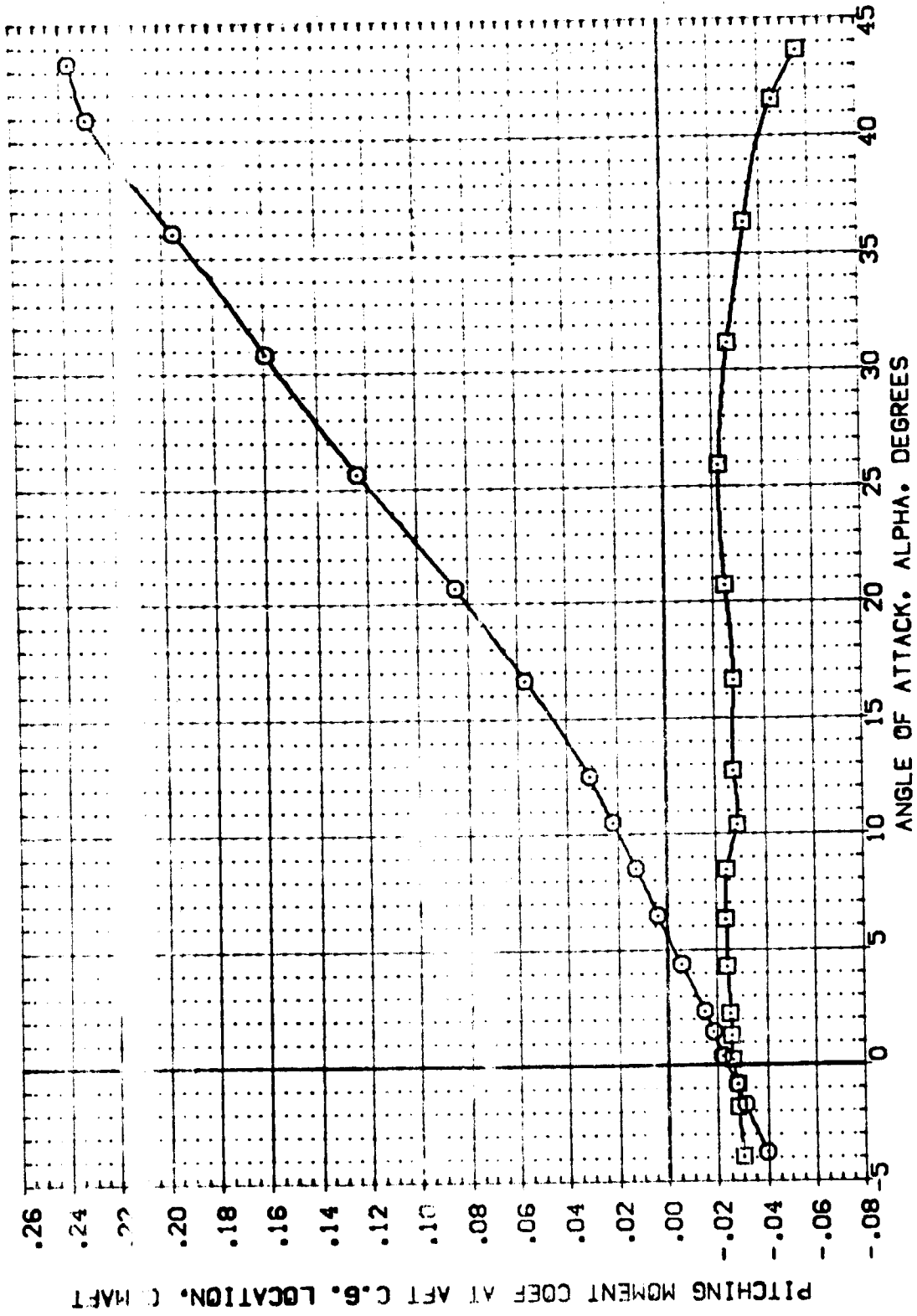
(B)MACH = 3.80

SEE THE ASSOCIATED DATA DOCUMENT FOR REFERENCE CHARACTERISTICS FOR INDIVIDUAL DATASETS

ELEVTR BOFLAP SPOBRK RUDDER  
 .000 -14.250 54.920 .000

CONFIGURATION DESCRIPTION  
 OAH4 UPVT 1035 CONF-2A B10C507H3F4X1S  
 OAH4 UPVT 1035 CONF-2A B10C507H3F4V87E189SVSX18

DATA SET SYMBOL  
 (MZNZ13) □  
 (MZNZ02) □



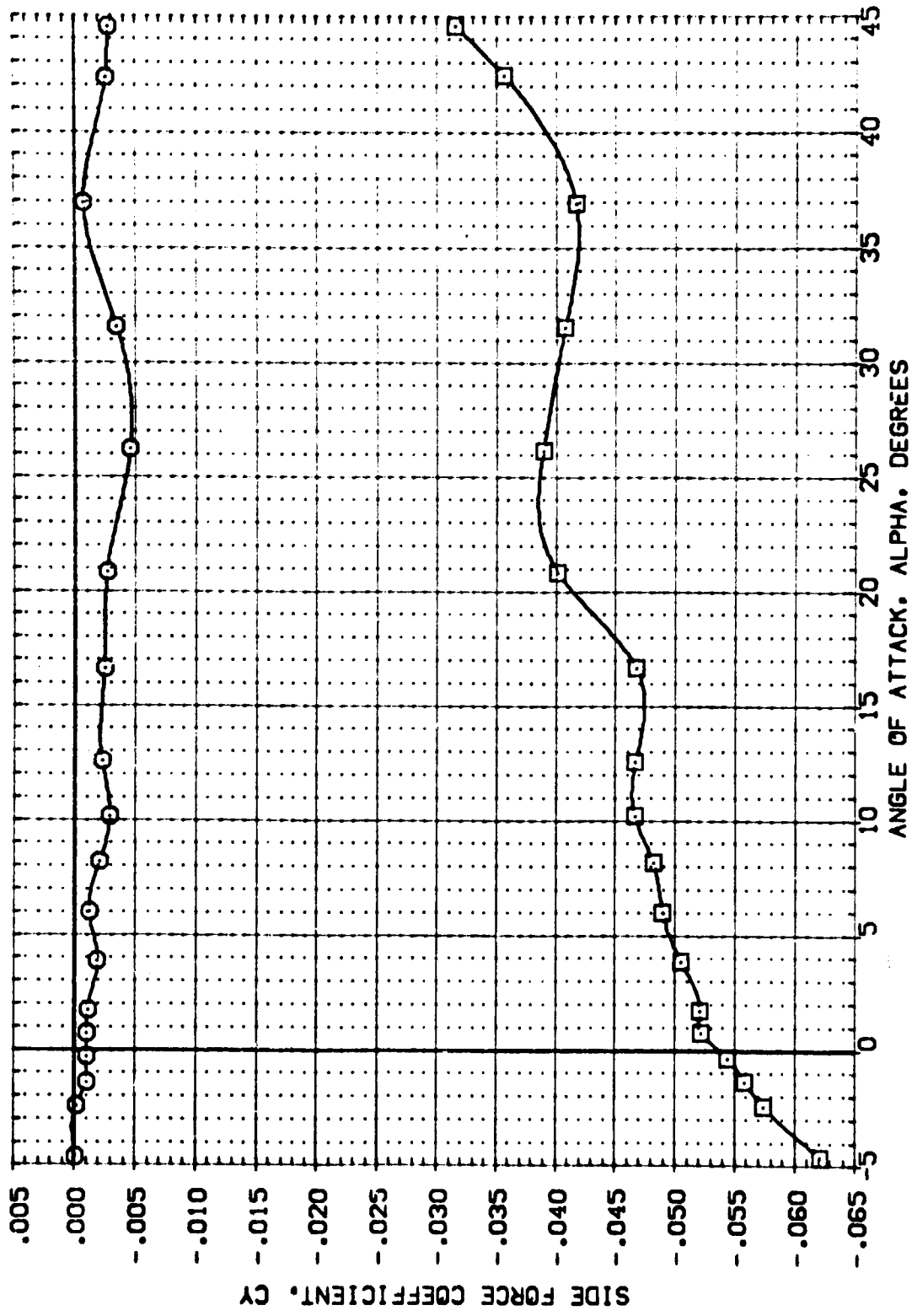
COMPONENT BUILDUP -89B CONFIG

(C)MACH = 4.60



DATA SET SYMBOL CONFIGURATION DESCRIPTION REFERENCE INFORMATION

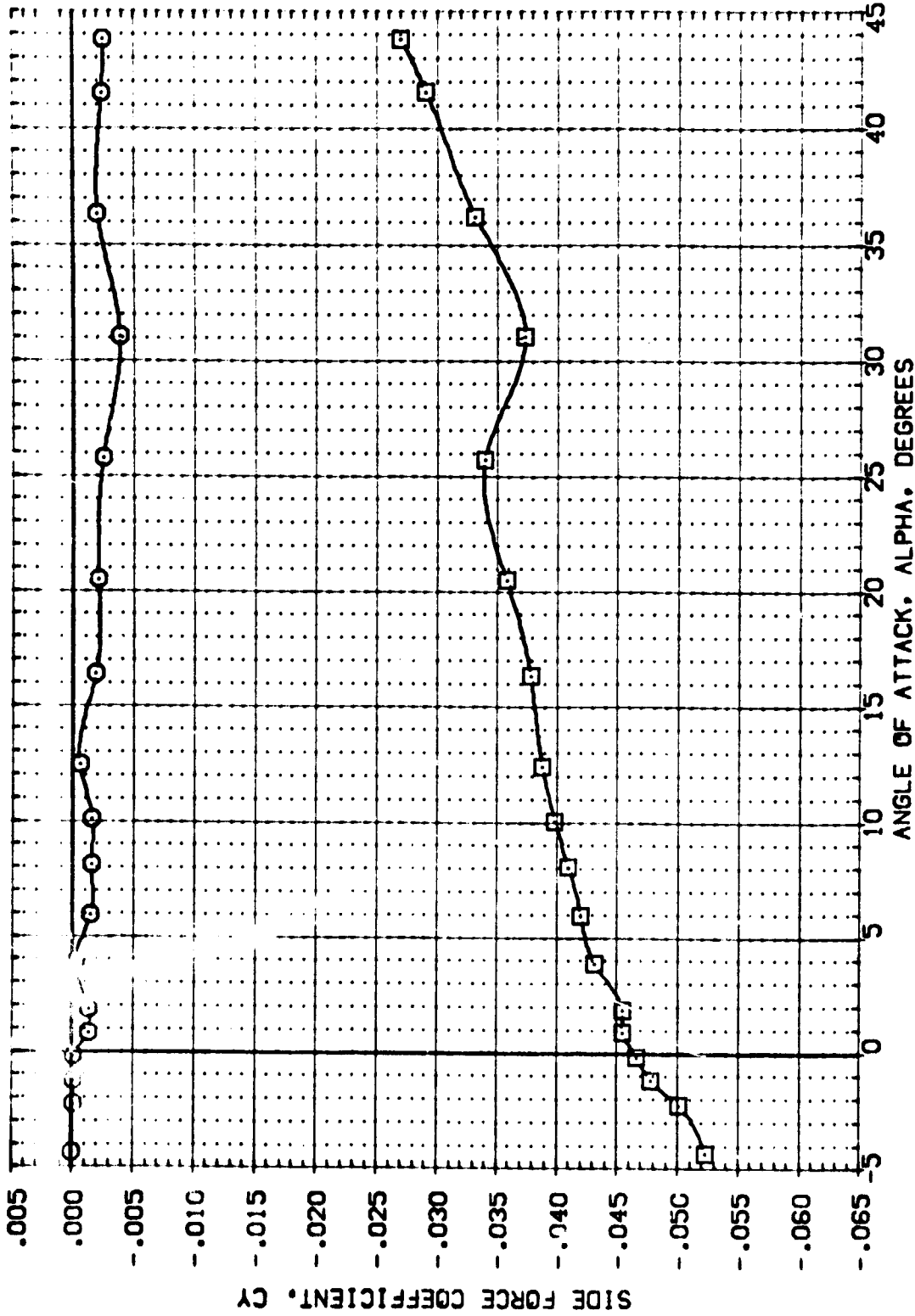
(RPM02)	0A44 UPVT 1035 CONF-2A B100507NF4W67E18R5V3X18	SREF	67.1560	SO, IN.
(RPM03)	0A44 UPVT 1035 CONF-2A B100507NF4W67E18R5V3X18	LREF	7.1220	IN-ES
		XMRP	14.0502	IN-ES
		YMRP	13.1459	IN-ES
		ZMRP	.0000	IN-ES
		SCALE	6.0000	IN-ES
			.0150	SCALE



LATERAL-DIRECTIONAL (ALPHA SWEEP)-89B CONFIG

(M)MACH = 2.50

DATA SET SYMBOL: (RPMAD2) (RPMAD3)   
 CONFIGURATION DESCRIPTION:   
 QM44 UPVT 1035 CONF-2A 810CS07NGF 4167E1895V5X18   
 QM44 UPVT 1035 CONF-2A 810CS07NGF 4167E1895V5X18   
 REFERENCE INFORMATION:   
 SREF 67.1560 SCL IN.   
 LREF 7.1220 INO-ES   
 BREF 14.0502 INO-ES   
 XMRP 13.1469 INO-ES   
 YMRP .0000 INO-ES   
 ZMRP 6.0000 INO-ES   
 SCALE .0150 SCALE



LATERAL-DIRECTIONAL (ALPHA SWEEP)-898 CONFIG

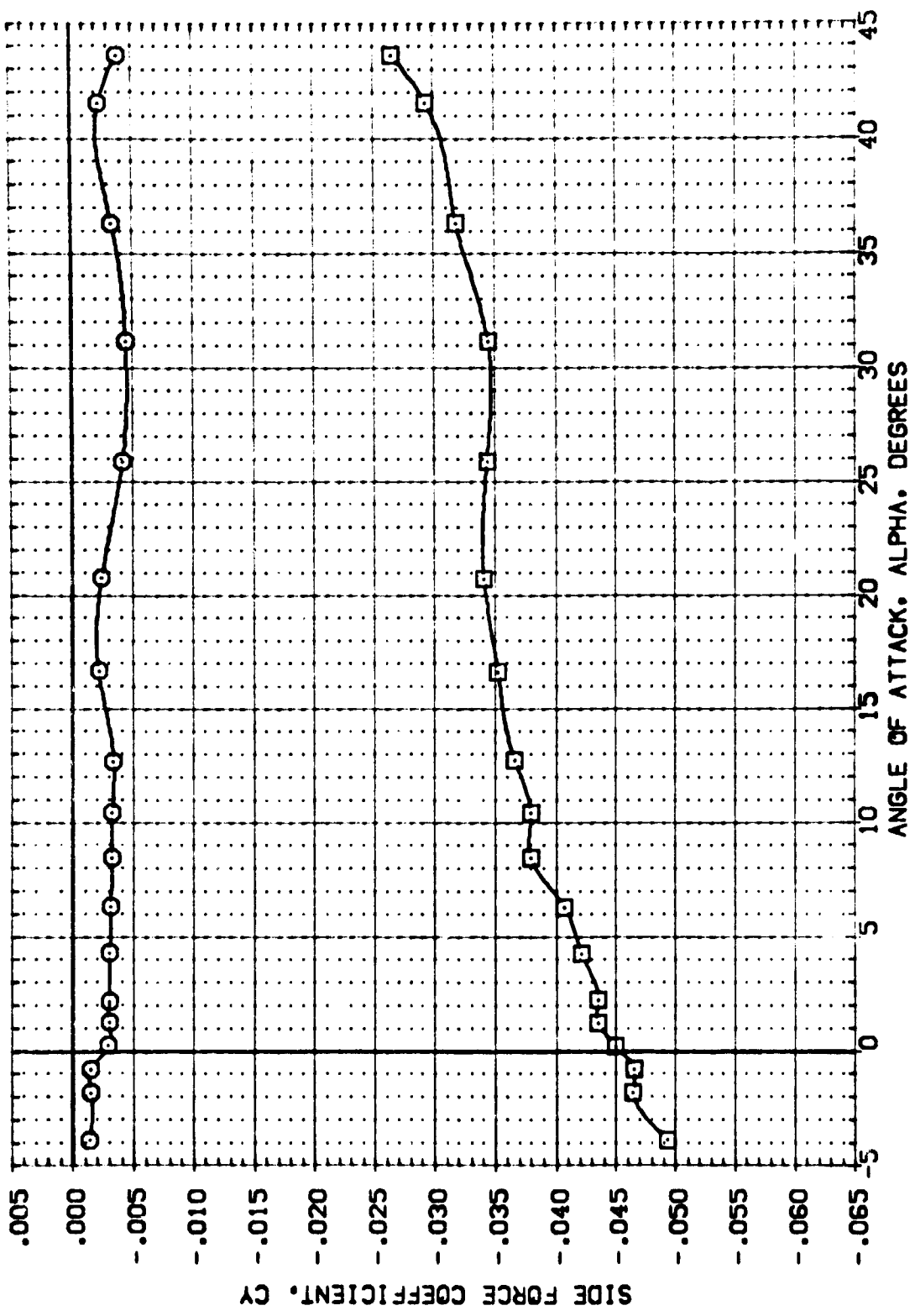
(B)MACH = 3.90

DATA SET SYMBOL: (MACH: ) (MACH: )

CONFIGURATION DESCRIPTION:  
 0A44 UPVT 1035 CONF-2A 810CS07MCF1A87E18RSV5X16  
 0A44 UPVT 1035 CONF-2A 810CS07MCF1A87E18RSV5X16

BETA: .000  
 ELEVTR: .000  
 BOFLAP: -14.250  
 SPOBRK: 54.920  
 54.920

REFERENCE INFORMATION:  
 SREF: 87.1560 SQ. IN.  
 LREF: 7.1220 INCHES  
 BREF: 14.0502 INCHES  
 XTRP: 13.1469 INCHES  
 YTRP: .0000 INCHES  
 ZTRP: 6.0000 INCHES  
 SCALE: .0150 SCALE



LATERAL-DIRECTIONAL (ALPHA SWEEP)-898 CONFIG

(C)MACH = 4.60

DATA SET SYMBOL: (RPNAC2) (RPNAC3)

CONFIGURATION DESCRIPTION: 0A44 UPVT 1035 CONF-2A B10CS077CF4V87E18RSV5X16 0A44 UPVT 1035 CONF-2A B10CS077CF4V87E18RSV5X16

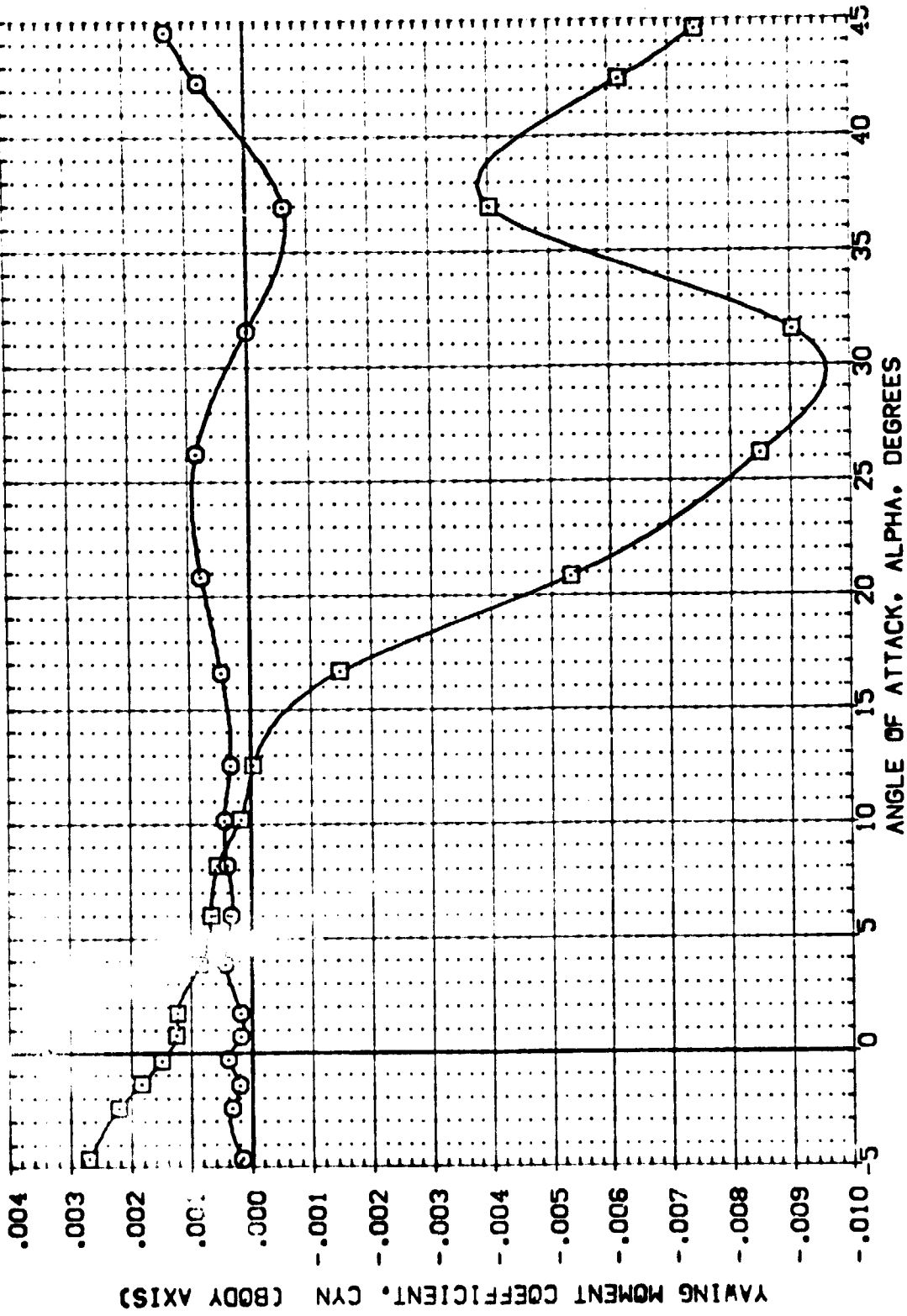
BETA: .000 3.000

ELEVTR: .000 .000

BOFLAP: -14.250 -14.250

SPOBRK: 54.920 54.920

REFERENCE INFORMATION: SREF 87.1560 50. IN LREF 7.1220 INCHES BREF 14.0502 INCHES XVRP 13.1469 INCHES YVRP .0000 INCHES ZVRP 6.0000 INCHES SCALE .0150



LATERAL-DIRECTIONAL (ALPHA SWEEP)-89B CONFIG

(A)MACH = 2.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[MVA02] □ DA44 UPVT 1035 CONF-2A B10C307MF 1V87E18V3V3X18

[MVA03] □ DA44 UPVT 1035 CONF-2A B10C307MF 1V87E18V3V3X18

BETA .000

ELEVTR .000

BDFLAP -14.250

SPOBRK 54.920

REFERENCE INFORMATION

SREF 87.1550 SQ.IN.

LREF 7.1220 INCHES

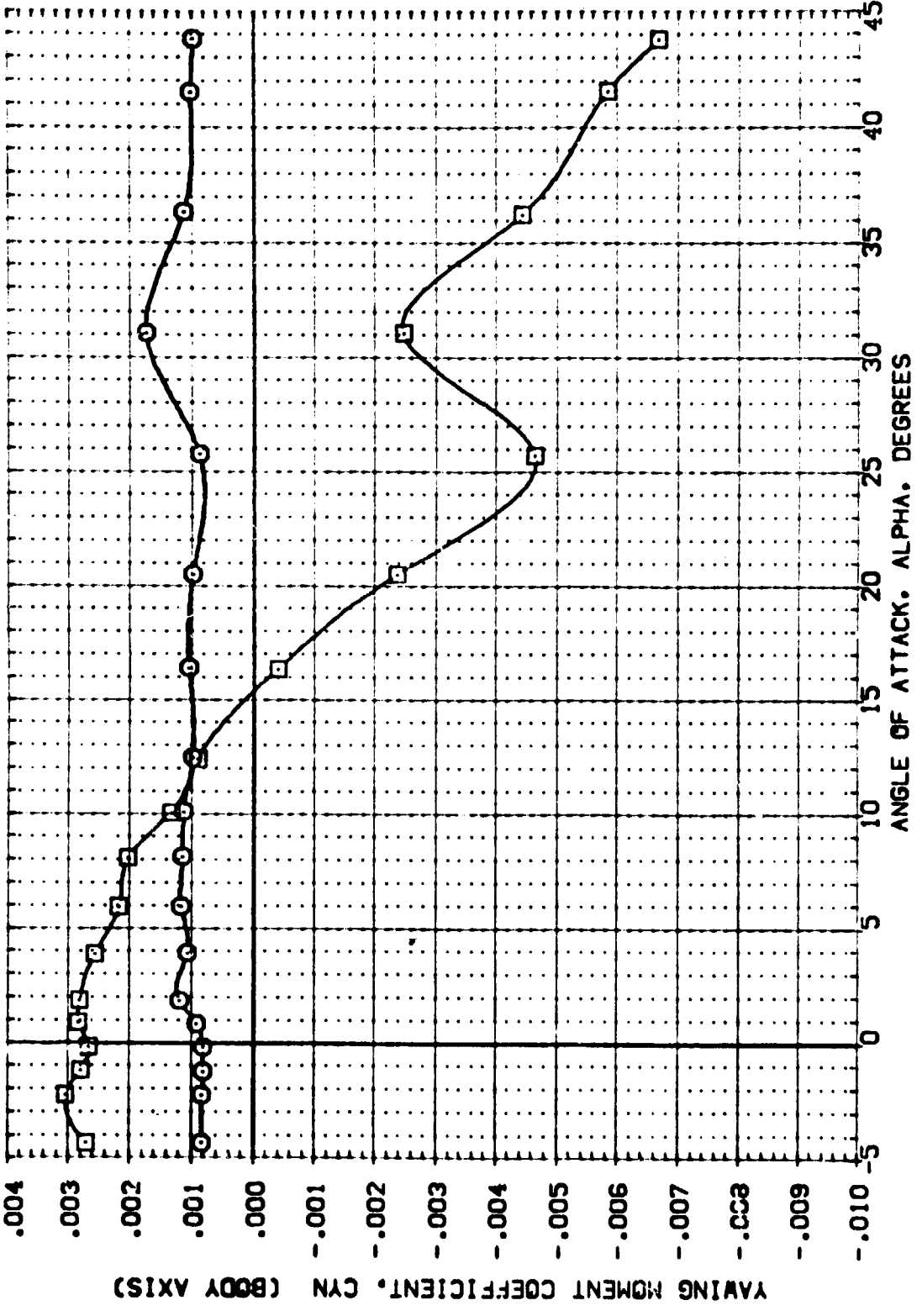
BREF 14.0502 INCHES

XTRP 13.1469 INCHES

YTRP .0000 INCHES

ZTRP 6.0000 INCHES

SCALE .0150 SCALE



LATERAL-DIRECTIONAL (ALPHA SWEEP)-898 CONFIG

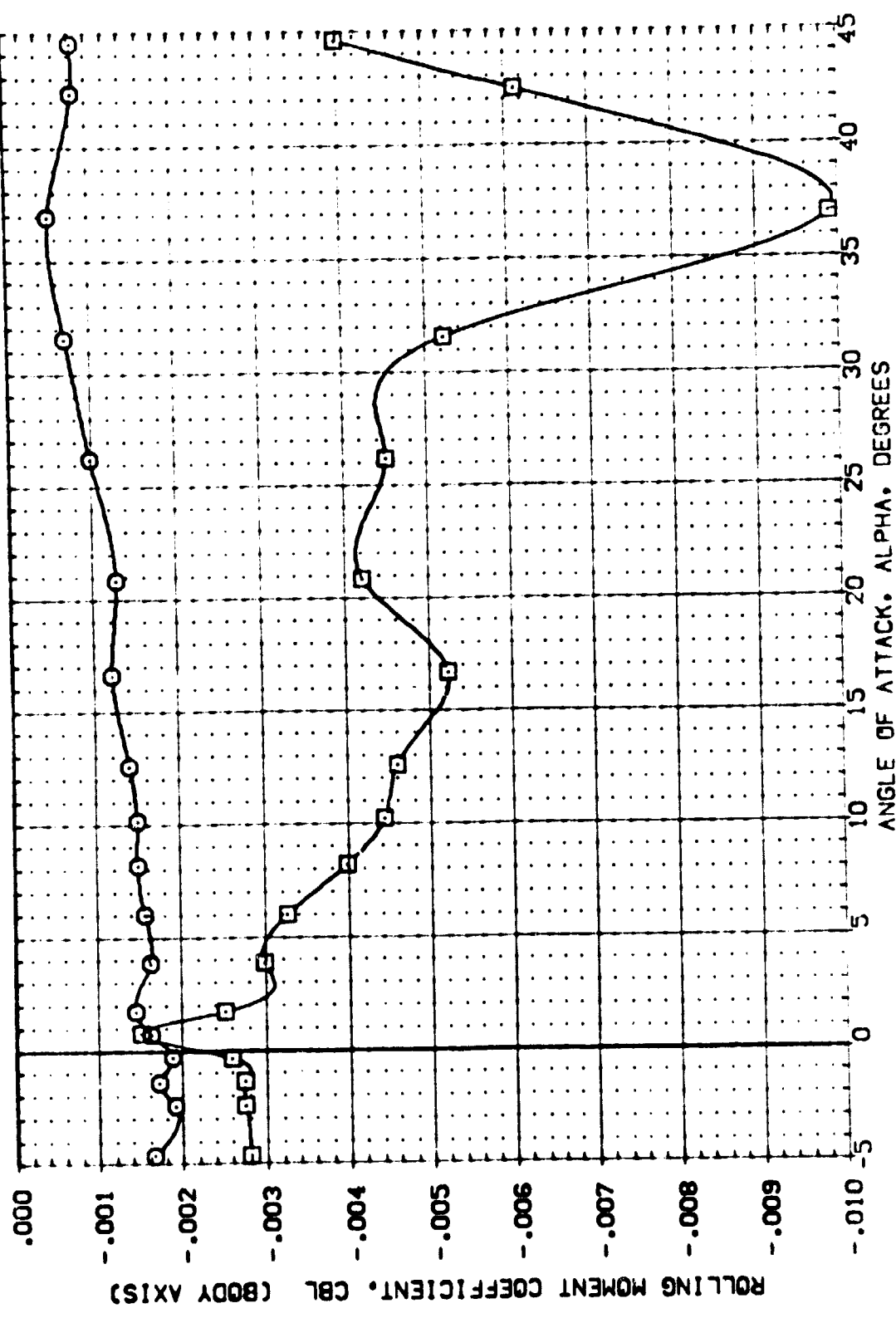
(B)MACH = 3.90



DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 (RPM002) 0441 UPVT 1035 CONF-2A 8100507-OF-4107E 1803VX118  
 (RPM003) 0441 UPVT 1035 CONF-2A 8100507-OF-4107E 1803VX118

REFERENCE INFORMATION  
 SREF 87.1550 SQ. IN.  
 LREF 7.1270 INCHES  
 BREF 14.0502 INCHES  
 XMRP 13.1469 INCHES  
 YMRP .0000 INCHES  
 ZMRP 6.0000 INCHES  
 SCALE .0150 SCALE

BETA .000  
 ELEVTR .000  
 BDFLAP -14.250  
 SPOBRK 54.920  
 54.920



LATERAL-DIRECTION ALPHA SWEEP - SQR CONFIG

CALMACH =

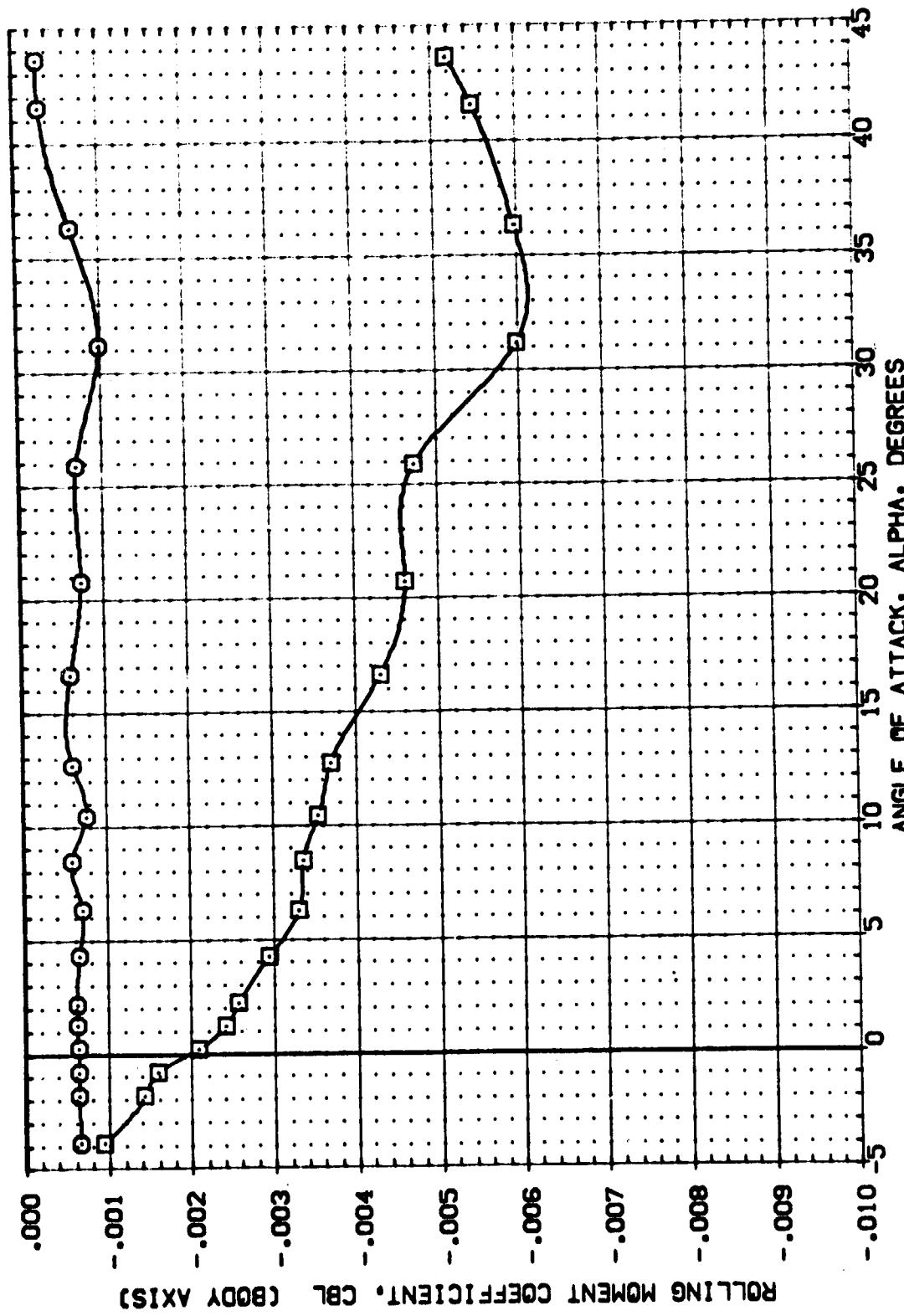




DATA SET SYMBOL: (RPM02) (RPM03)  
 CONFIGURATION DESCRIPTION: 0A44 UPVT 1035 CONF-2A B10C507M3-4W7E18R5V5X16  
 0A44 UPVT 1035 CONF-2A B10C507M3-4W7E18R5V5X16

REFERENCE INFORMATION:  
 SREF: 87.1560 SQ. IN.  
 LREF: 7.1270 INCHES  
 BREF: 14.0502 INCHES  
 YPRP: 13.1469 INCHES  
 ZPRP: 6.0000 INCHES  
 SCALE: .0150

BETA: .000  
 3.000  
 ELEVTR: .000  
 .000  
 BDFLAP: -14.250  
 -14.250  
 SPOBRK: 54.920  
 54.920



LATERAL-DIRECTIONAL (ALPHA SWEEP)-89B CONFIG

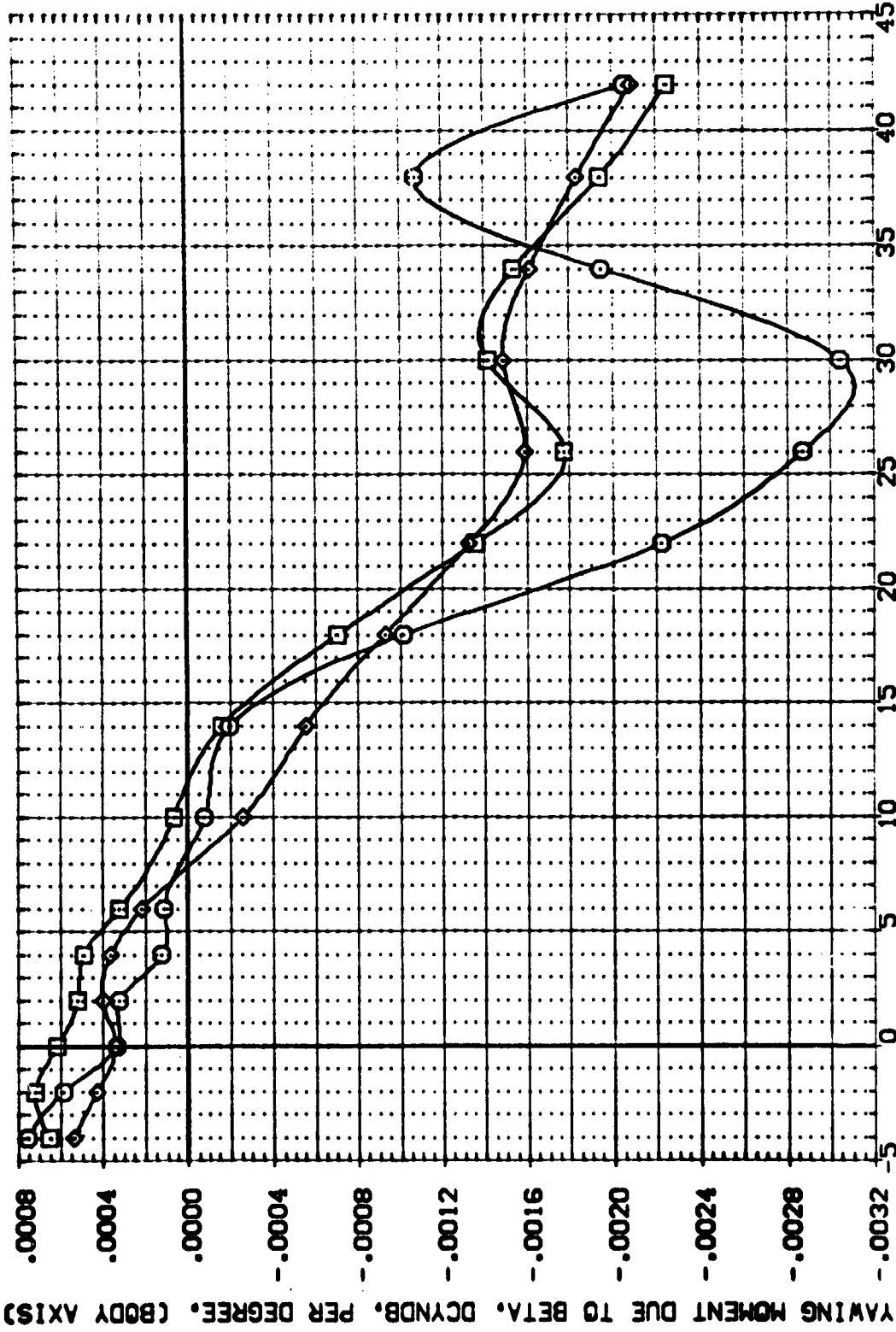
CCMACH = 4.60



0A44 UPWT 1035 CONF-2A B10C5D7M3F4W87E18R5V5X16 (FPN003)

SYMB. MAG. PARAMETRIC VALUES REFERENCE INFORMATION

□	2.500	ELEVTR	.000	AIRDRN	.000	SREF	87.1560	50. IN.
◇	3.800	RUDDR	.000	EDFLAP	-14.250	LREF	7.1220	INCHES
◇	4.600	SPDRK	54.920			BREF	14.0502	INCHES
						XREF	13.1469	INCHES
						YREF	6.0000	INCHES
						ZREF	6.0000	INCHES
						SCALE	.0150	SCALE



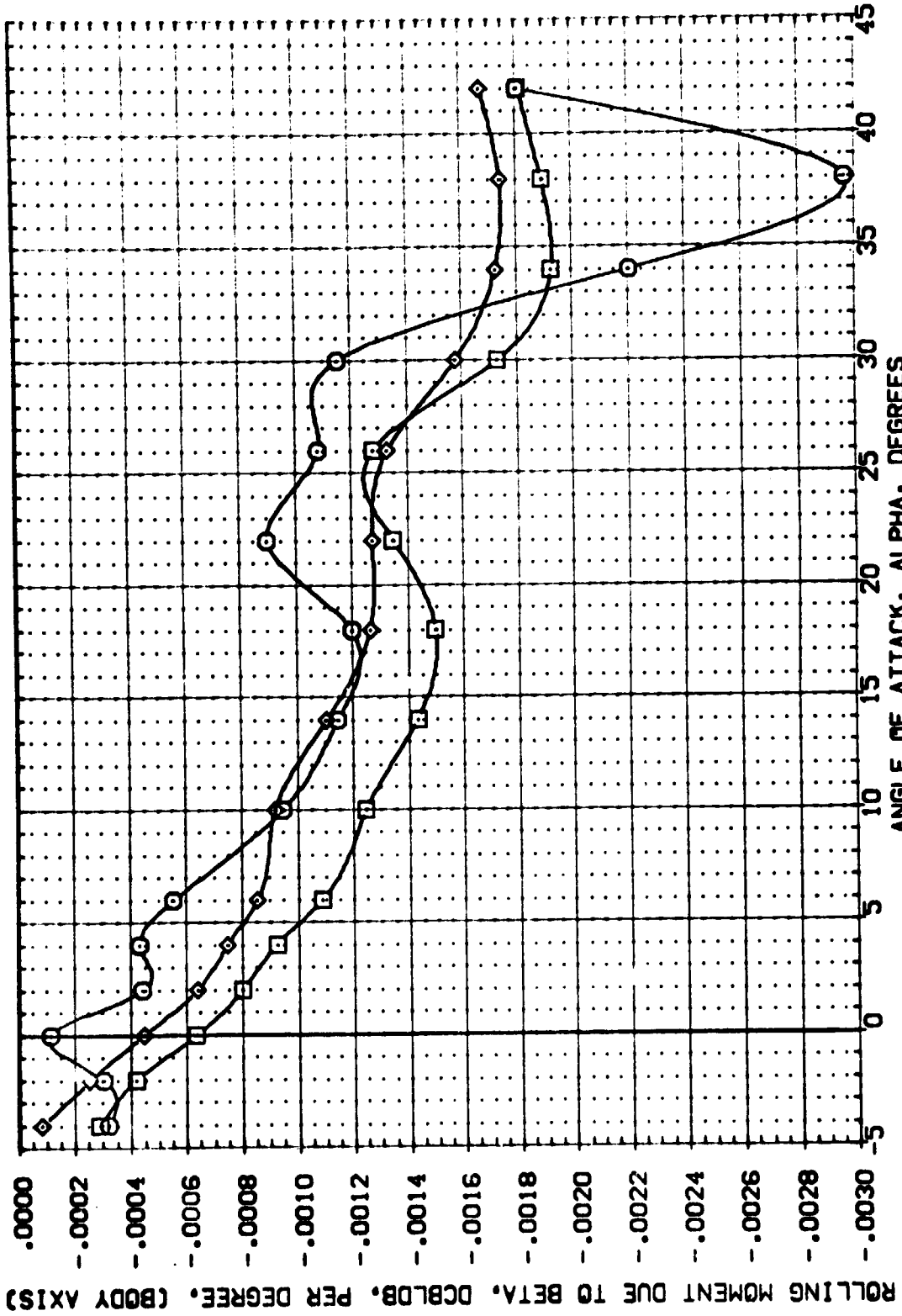
LATERAL-DIRECTIONAL DERIVATIVES 'ALPHA SWEEP' -89B CONFIG

0A44 UPWT 1035 CONF-2A B10C5D7M3F4W87E18R5V5X16 (FPN003)

SPEED MACH	2.500	ELEVTR	.000	AILTRN	.000
	3.500	RUDDR	.000	SDFLAP	-14.250
	4.500	SPDRK	54.920		

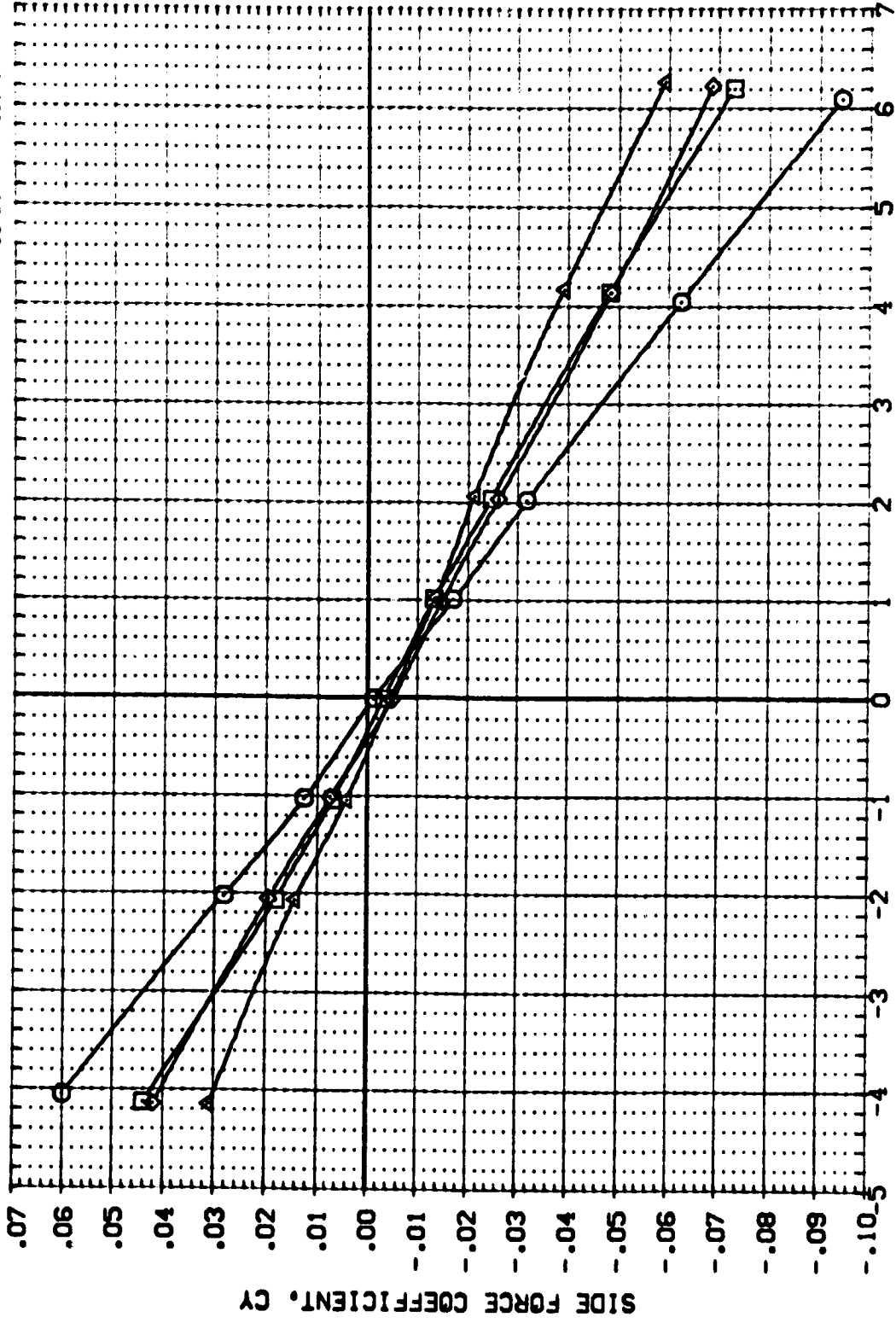
REFERENCE INFORMATION

SREF	87.1550	SO, IN.
LREF	7.1220	INDES
BREF	14.0502	INDES
XMRP	13.1468	INDES
YMRP	6.0000	INDES
ZMRP	6.0000	INDES
SCALE	.0150	SCALE



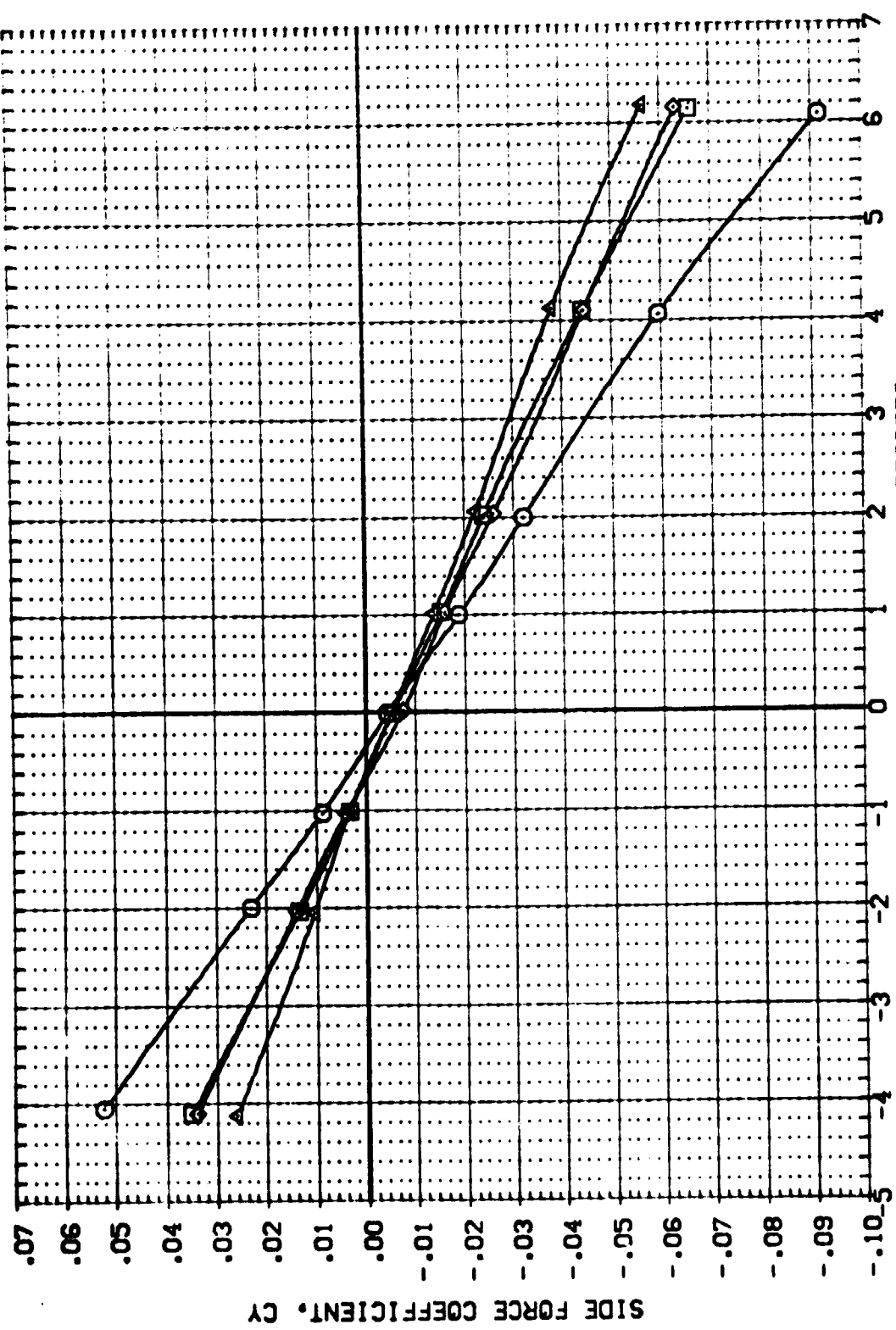
LATERAL-DIRECTIONAL DERIVATIVES (ALPHA SWEEP) -898 CONFIG

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	BOFLAP	SPDRK	REFERENCE INFORMATION
{RPA14}	DA44 UPVT 1035 CNF-2A 8103507G 4187E 1825V5X16	.000	.000	-14.250	54.920	SREF 87.1560 SO.IN.
{RPA15}	DA44 UPVT 1035 CNF-2A 8103507G 4187E 1825V5X16	20.000	.000	-14.250	54.920	LREF 7.1220 INCHES
{RPA16}	DA44 UPVT 1035 CNF-2A 8103507G 4187E 1825V5X16	30.000	.000	-14.250	54.920	BREF 14.0507 INCHES
{RPA17}	DA44 UPVT 1035 CNF-2A 8103507G 4187E 1825V5X16	40.000	.000	-14.250	54.920	YMPR 13.1469 INCHES
						ZMPR .0000 INCHES
						SCALE .0150



LATERAL-DIRECTIONAL CHARACTERISTICS (BETA SWEEP) -89B CONFIG  
 SIDESLIP ANGLE, BETA, DEGREES

DATA SET SYMBL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	EDFLAP	SPOBRK	REFERENCE INFORMATION
{RPNAL1}	0A44 UPVT 1005 CONF-2A 8100SD7M3-1V67E18FSVSK16	.000	.000	-14.250	54.920	87.1560 SQ. IN.
{RPNAL2}	0A44 UPVT 1005 CONF-2A 8100SD7M3-1V67E18FSVSK16	.000	.000	-14.250	54.920	7.1270 INCHES
{RPNAL3}	0A44 UPVT 1005 CONF-2A 8100SD7M3-1V67E18FSVSK16	30.000	.000	-14.250	54.920	14.0502 INCHES
{RPNAL4}	0A44 UPVT 1005 CONF-2A 8100SD7M3-1V67E18FSVSK16	40.000	.000	-14.250	54.920	13.1488 INCHES
						6.0000 INCHES
						ZWRP SCALE
						.0150 SCALE



SIDESLIP ANGLE, BETA, DEGREES

LATERAL-DIRECTIONAL CHARACTERISTICS (BETA SWEEP) -89B CONFIG

DATA SET SYMBOL CONFIGURATION DESCRIPTION ALPHA ELEVTR BOFLAP SPOBRK REFERENCE INFORMATION

(RPN14) 0A44 UPVT 1035 CONF-2A B10C5D7MCF 4V87E18P5V5X16 20.000 .000 -14.250 54.520 87.1560 50. IN.

(RPN15) 0A44 UPVT 1035 CONF-2A B10C5D7MCF 4V87E18P5V5X16 30.000 .000 -14.250 54.520 7.1220 IN-ES

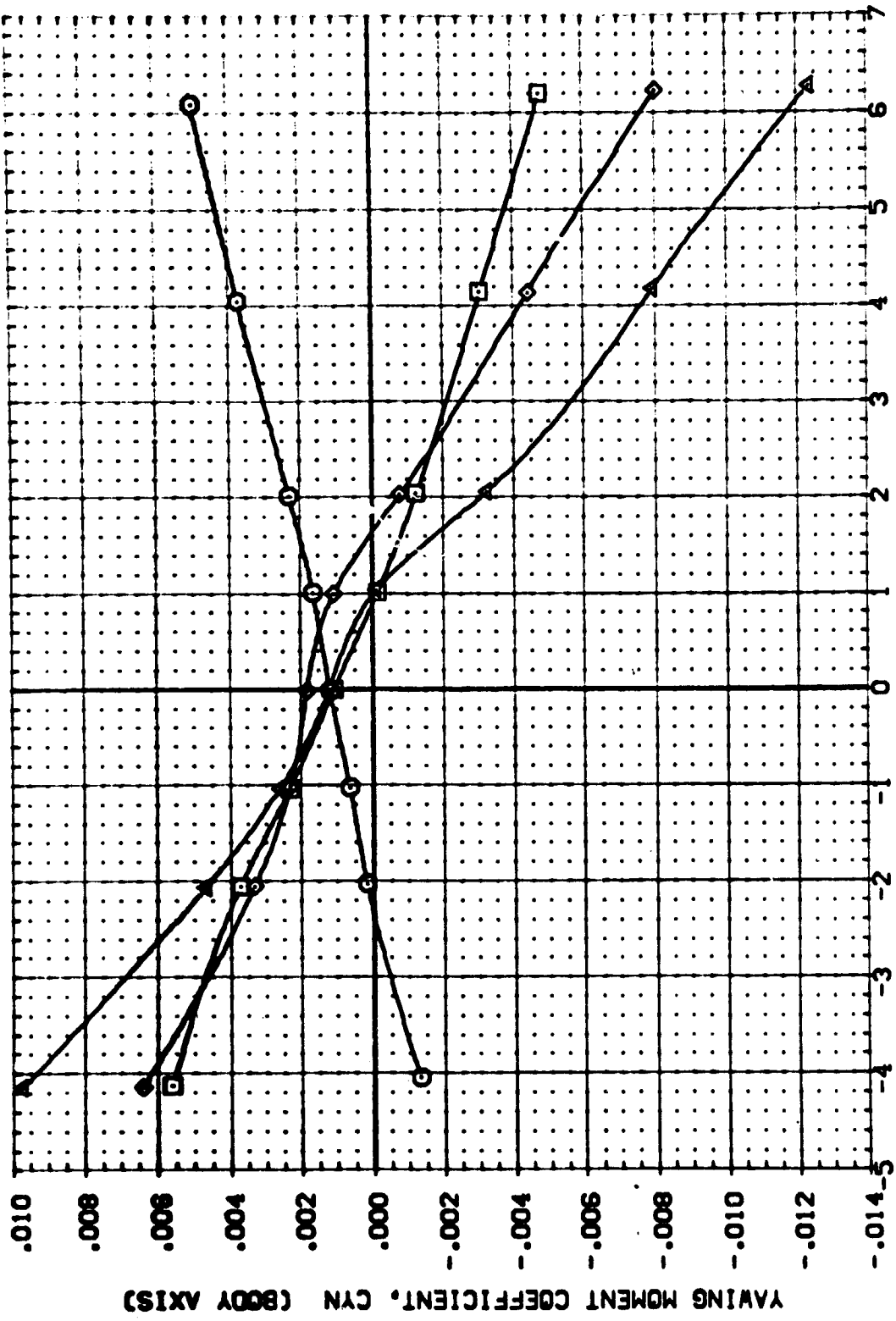
(RPN16) 0A44 UPVT 1035 CONF-2A B10C5D7MCF 4V87E18P5V5X16 40.000 .000 -14.250 54.520 14.0520 IN-ES

(RPN17) 0A44 UPVT 1035 CONF-2A B10C5D7MCF 4V87E18P5V5X16 40.000 .000 -14.250 54.520 13.1483 IN-ES

YMRP 6.0000 IN-ES

ZMRP 6.0000 IN-ES

SCALE .0150 SCALE



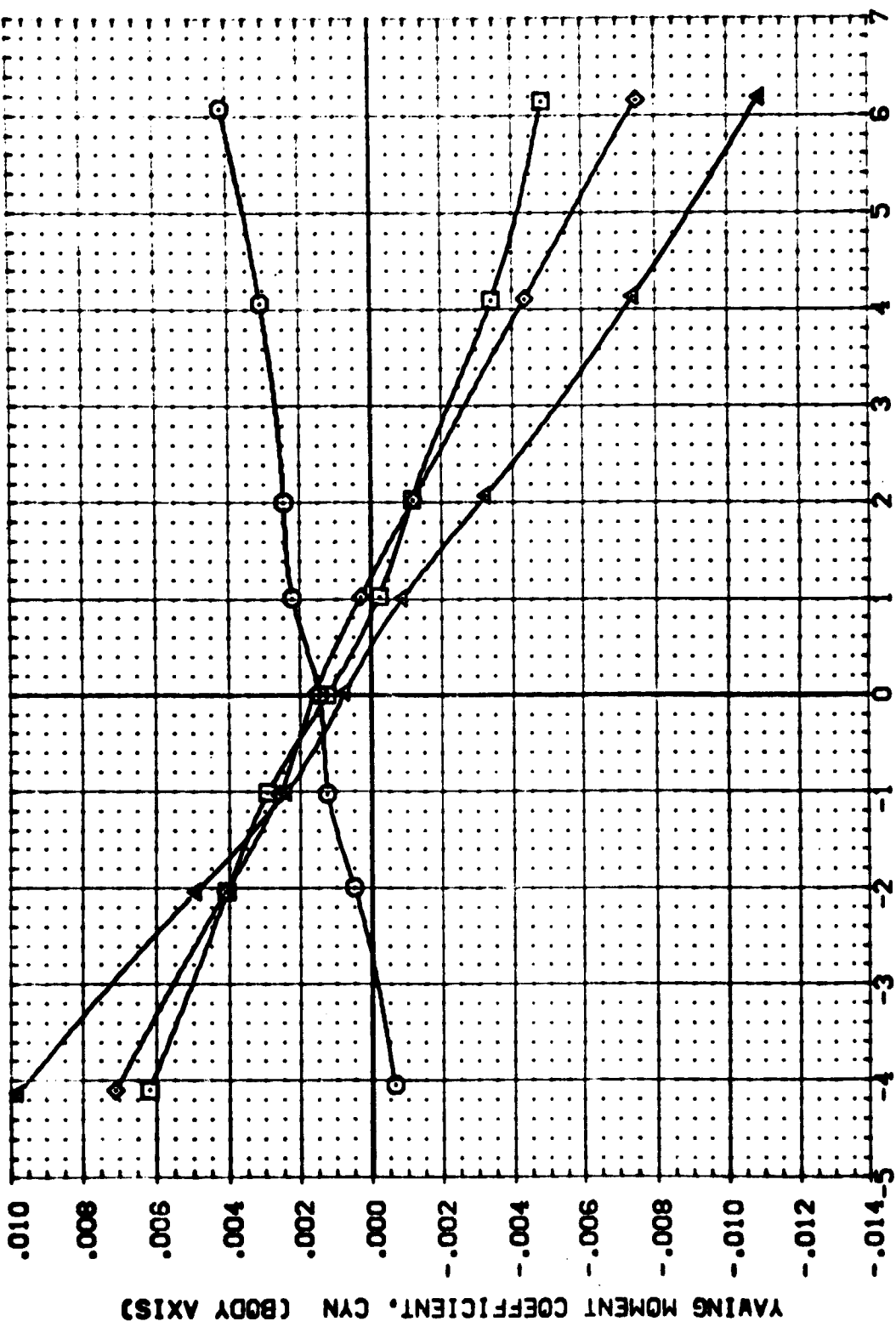
SIDESLIP ANGLE, BETA, DEGREES

LATERAL-DIRECTIONAL CHARACTERISTICS (BETA SWEEP) -89B CONFIG

(A)MACH = 3.90

DATA SET SYMBOL, CONF IDENTIFICATION, DESCRIPTION, ALPHA, ELEVTR, EDFLAP, SPDRK, REFERENCE INFORMATION

DATA SET SYMBOL	CONF IDENTIFICATION	DESCRIPTION	ALPHA	ELEVTR	EDFLAP	SPDRK	REFERENCE INFORMATION
(RPA14)	000	CONF-2A	0.00	.000	-14.250	54.520	07.1250 INO-ES
(RPA15)	000	CONF-2A	20.000	.000	-14.250	54.520	7.1250 INO-ES
(RPA16)	000	CONF-2A	30.000	.000	-14.250	54.520	14.0000 INO-ES
(RPA17)	000	CONF-2A	40.000	.000	-14.250	54.520	13.1400 INO-ES
							6.0000 INO-ES
							6.0000 INO-ES
							SCALE .0150

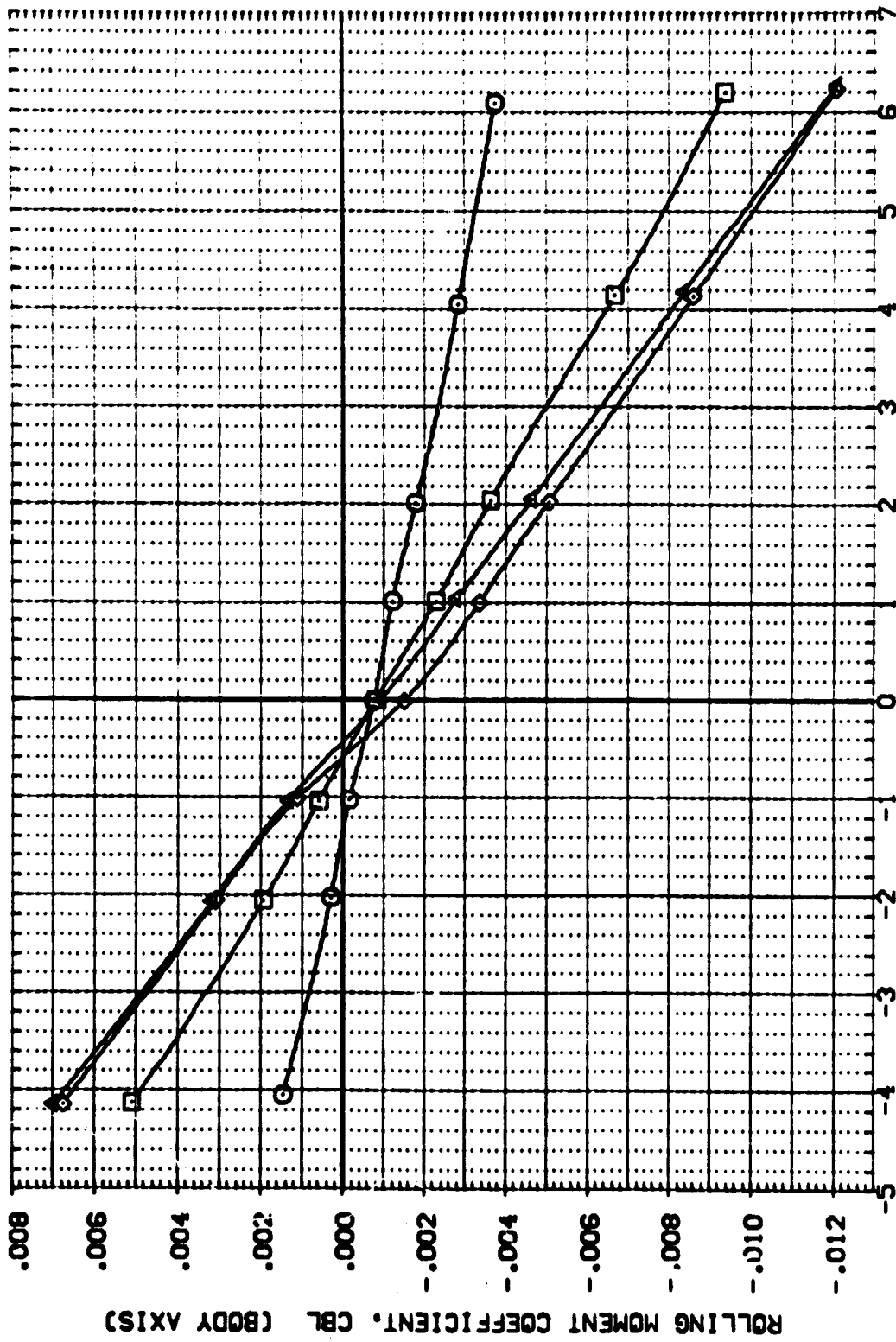


SIDESLIP ANGLE, BETA, DEGREES  
 LATERAL-DIRECTIONAL CHARACTERISTICS (BETA SWEEP) -89B CONFIG



DATA SET SYMBOL CONFIGURATION DESCRIPTION REFERENCE INFORMATION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	BOFLAP	SPOBRK	SREF	SO.IN.
{RPNAL1}	0A44 UPVT 1025 CNF-2A B10CSD7HCF4V87E18RSV5X16	.000	.000	-14.250	54.920	07.1560	IN-ES
{RPNAL5}	0A44 UPVT 1025 CNF-2A B10CSD7HCF4V87E18RSV5X16	20.000	.000	-14.250	54.920	7.1220	IN-ES
{RPNAL6}	0A44 UPVT 1025 CNF-2A B10CSD7HCF4V87E18RSV5X16	30.000	.000	-14.250	54.920	14.0502	IN-ES
{RPNAL7}	0A44 UPVT 1025 CNF-2A B10CSD7HCF4V87E18RSV5X16	40.000	.000	-14.250	54.920	13.1469	IN-ES
						0.0000	IN-ES
						0.0000	IN-ES
						6.0000	IN-ES
						.0150	SCALE



LATERAL-DIRECTIONAL CHARACTERISTICS (BETA SWEEP) -898 CONFIG

(A)MACH = 3.90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

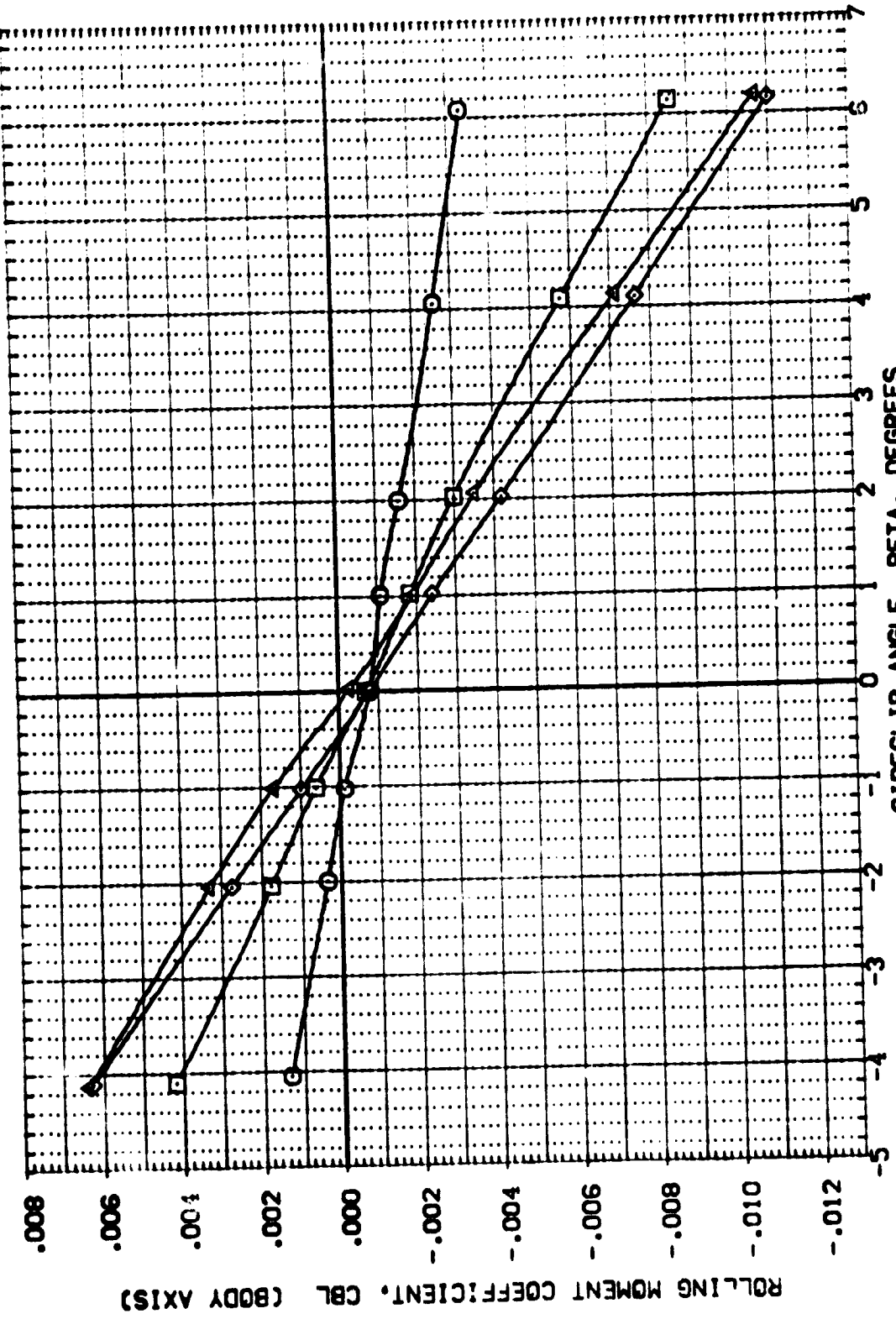
(RPM14)	DATA UPVT 1035	CONF-2A	B10CS07RG-4W7E	BRVSA16
(RPM15)	DATA UPVT 1035	CONF-2A	B10CS07RG-4W7E	BRVSA16
(RPM16)	DATA UPVT 1035	CONF-2A	B10CS07RG-4W7E	BRVSA16
(RPM17)	DATA UPVT 1035	CONF-2A	B10CS07RG-4W7E	BRVSA16

ALPHA ELEVTR SDFLAP SPOBWK

.000	.000	-14.250	54.920
.000	.000	-14.250	54.920
20.000	.000	-14.250	54.920
40.000	.000	-14.250	54.920

REFERENCE INFORMATION

REF	67.1500	50. IN
LEF	7.1220	INCHES
REF	14.0502	INCHES
XFP	13.1458	INCHES
ZMP	6.0000	INCHES
ZMP	6.0000	INCHES
SCALE	.0150	SCALE



LATERAL-DIRECTIONAL CHARACTERISTICS (BETA SWEEP) -89B CONFIG

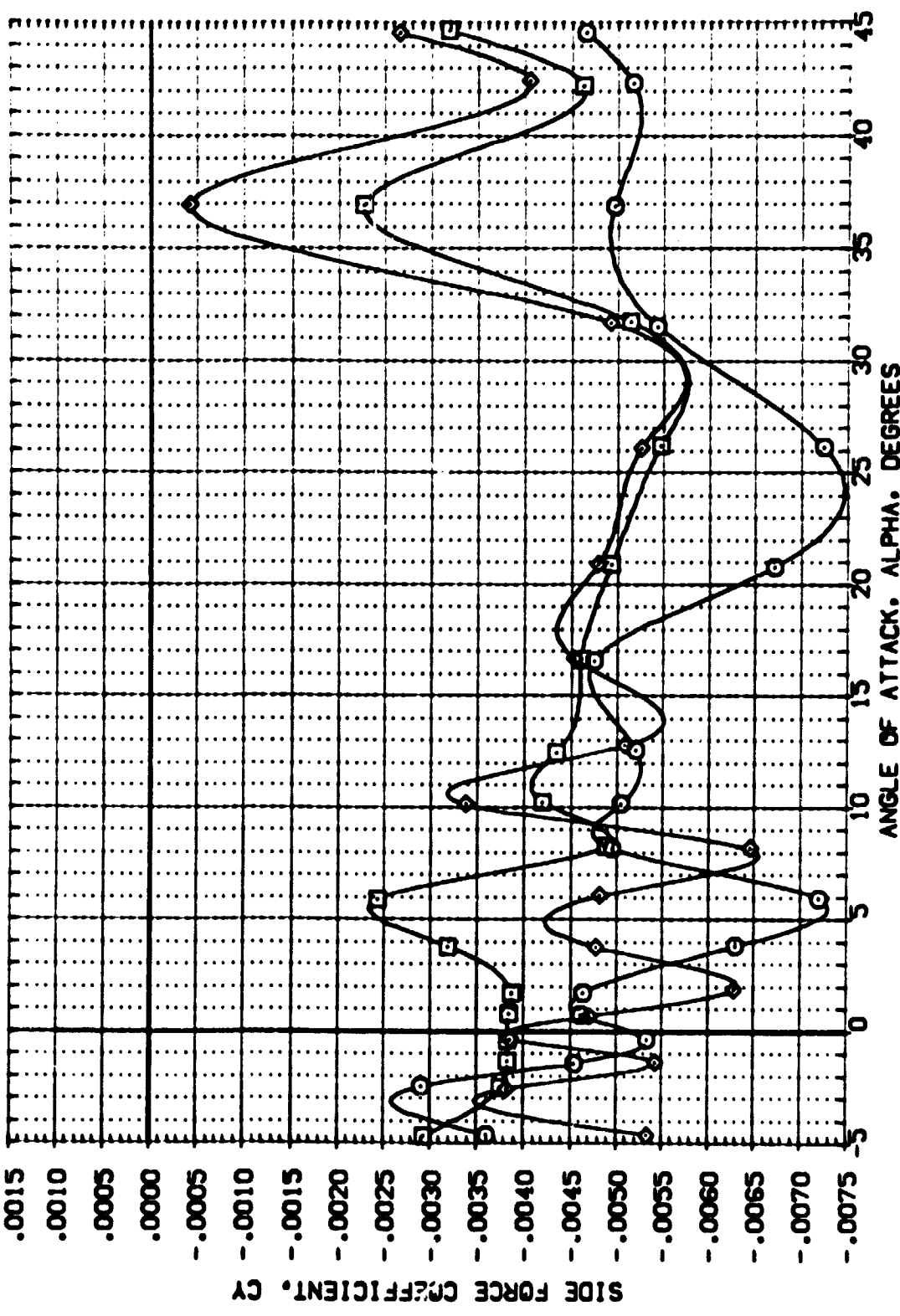
(B)MACH = 4.60

DATA SET SYMBOL. CONFIGURATION DESCRIPTION REFERENCE INFORMATION

{ 898A01 }	DATA1 UPVT 1005 CONF-2A B10C507G 1487E 1805V5X16	SPEE	07.1560	50. IN.
{ 898A10 }	DATA1 UPVT 1005 CONF-2A B10C507G 1487E 1805V5X16	LINEF	7.1220	IN-OES
{ 898A11 }	DATA1 UPVT 1005 CONF-2A B10C507G 1487E 1805V5X16	BRDF	14.0500	IN-OES
		XTRP	13.1469	IN-OES
		YTRP	.0000	IN-OES
		ZTRP	6.0000	IN-OES
		SCALE	.0150	SCALE

AILSON BETA ELEVTR EDFLAP

5.000	.000	-14.250
5.000	-10.000	-14.250
5.000	-20.000	-14.250

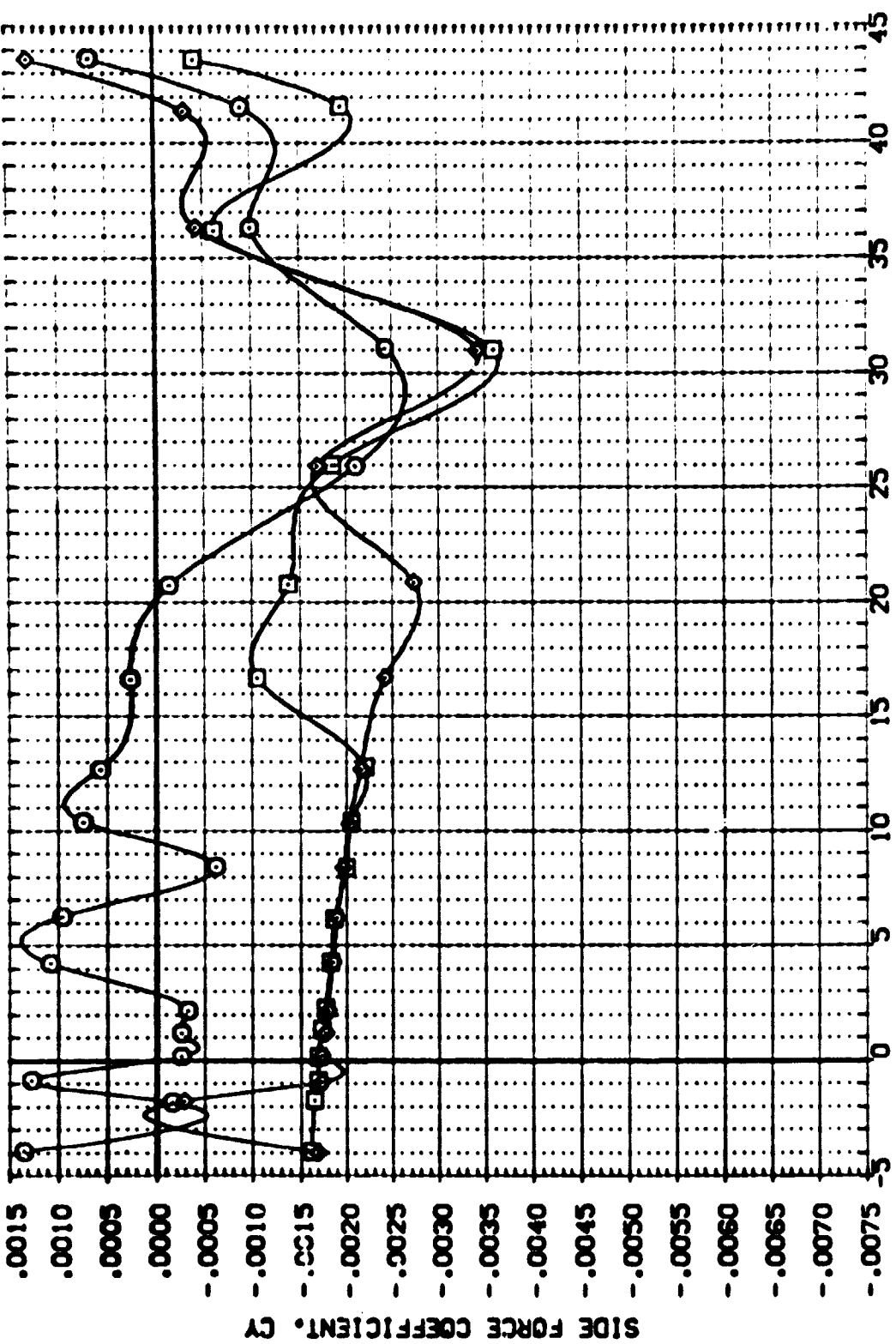


AILERONS DEFLECTED -898 CONFIG

(A)MACH = 2.50



DATA SET SYMBOL: (SPW08) (SPW10) (SPW11)  
 CONFIGURATION DESCRIPTION: 0A44 UPVT 1005 CONF-2A 810CS070F-4W67E 18P5V3X18  
 0A44 UPVT 1005 CONF-2A 810CS070F-4W67E 18P5V3X18  
 0A44 UPVT 1005 CONF-2A 810CS070F-4W67E 18P5V3X18  
 REFERENCE INFORMATION: SHEET 07-1580 50 IN. INCHES  
 LINEF 7-1220 INCHES  
 SREF 14-0502 INCHES  
 XTRP 13-1465 INCHES  
 YTRP 6-0000 INCHES  
 ZTRP 6-0000 INCHES  
 SCALE .0150 SCALE



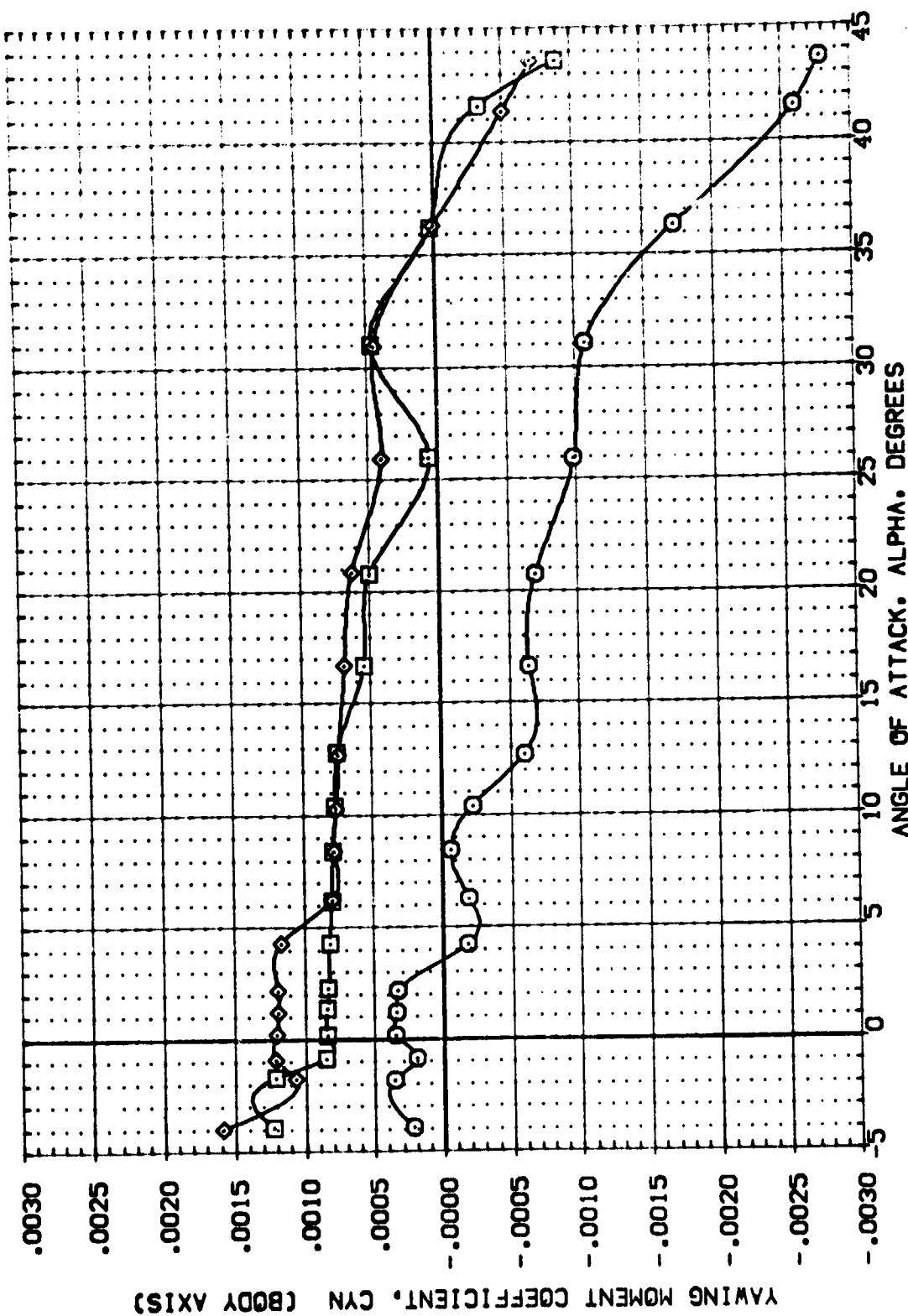
AILERONS DEFLECTED -898 CONFIG

(C)MACH = 4.60





DATA SET SYMBOL: (REPAIRS) (REPAIRS) (REPAIRS)  
 CONFIGURATION DESCRIPTION: DAM4 UPVT 1035 CONF-2A B10CS07H-OF-4W87E18R5V5X16  
 DAM4 UPVT 1035 CONF-2A B10CS07H-OF-4W87E18R5V5X16  
 DAM4 UPVT 1035 CONF-2A B10CS07H-OF-4W87E18R5V5X16  
 REFERENCE INFORMATION: SREF 67.1560 SQ. IN. INCHES  
 LREF 7.1270 INCHES INCHES  
 BREF 14.0502 INCHES INCHES  
 XTRP 13.1468 INCHES INCHES  
 YTRP .0000 INCHES INCHES  
 ZTRP 6.0000 INCHES INCHES  
 SCALE .0150 SCALE



AILERONS DEFLECTED -89B CONFIG  
 (CJMACH = 4.60)



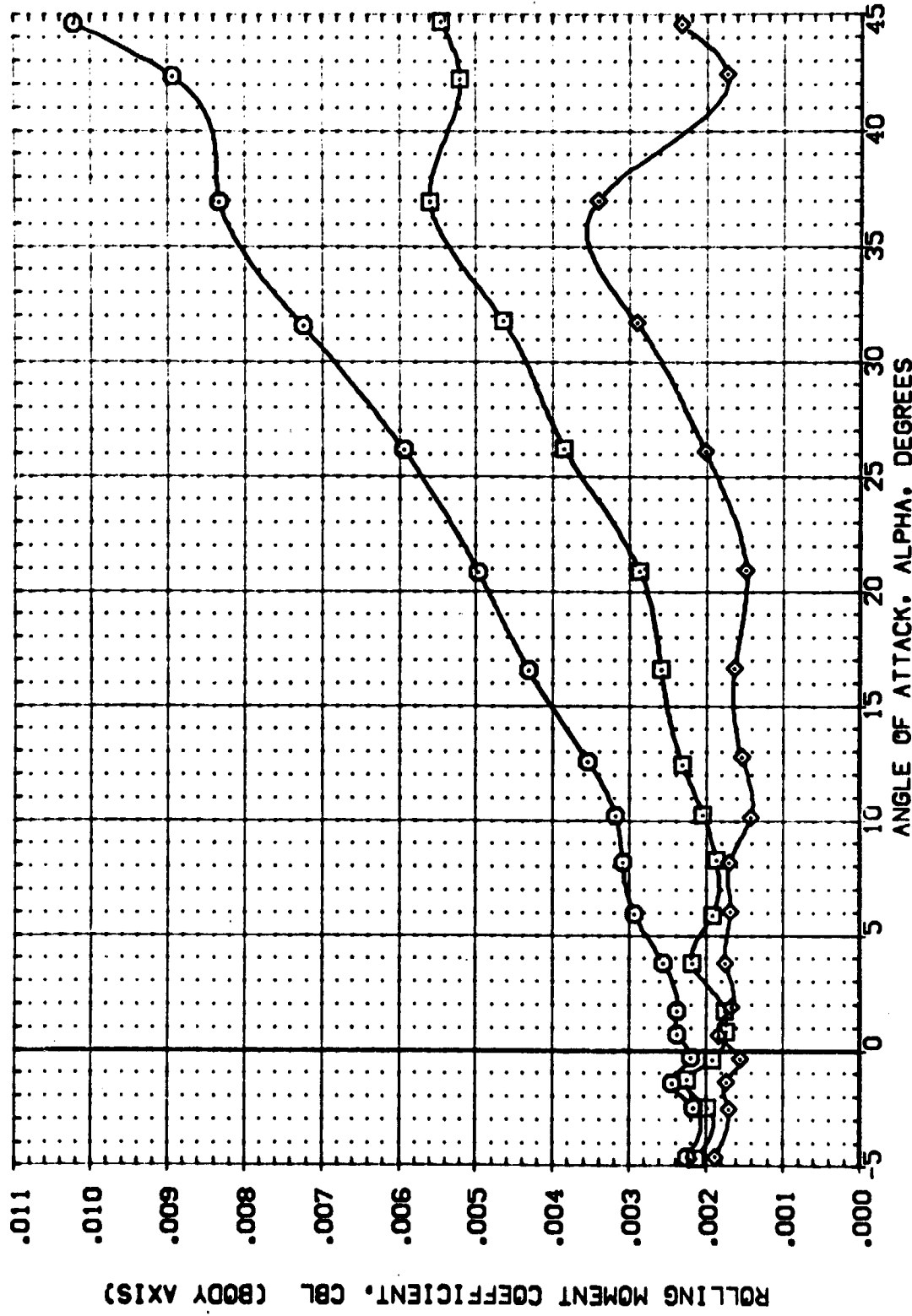
DATA SET SYMBOL: (RPNAC8) (RPNAL0) (RPNAL1)

CONFIGURATION DESCRIPTION: OA-1 UPVT 1035 CONF-2A B10CS07GF4167E18RSV5X16  
 OA44 UPVT 1035 CONF-2A B10CS07GF4167E18RSV5X16  
 OA44 UPVT 1035 CONF-2A B10CS07GF4167E18RSV5X16

AILERON BETA: 5.000 .000 .000 .000

ELEVTR BOFLAP: 0.000 -14.250 -14.250 -14.250

REFERENCE INFORMATION: SREF 87.1560 SO. IN  
 LREF 7.1220 INCHES  
 BREF 14.0502 INCHES  
 XMRP 13.1469 INCHES  
 YMRP 6.0000 INCHES  
 ZMRP 6.0000 INCHES  
 SCALE .0150 SCALE



AILERONS DEFLECTED -89B CONFIG

(A)MACH = 2.50

DATA SET SYMBOL: (RPA10) (RPA11) (RPA12)

CONFIGURATION DESCRIPTION: OMA4 UPVT 1035 CONF-2A OMA4 UPVT 1035 CONF-2A OMA4 UPVT 1035 CONF-2A

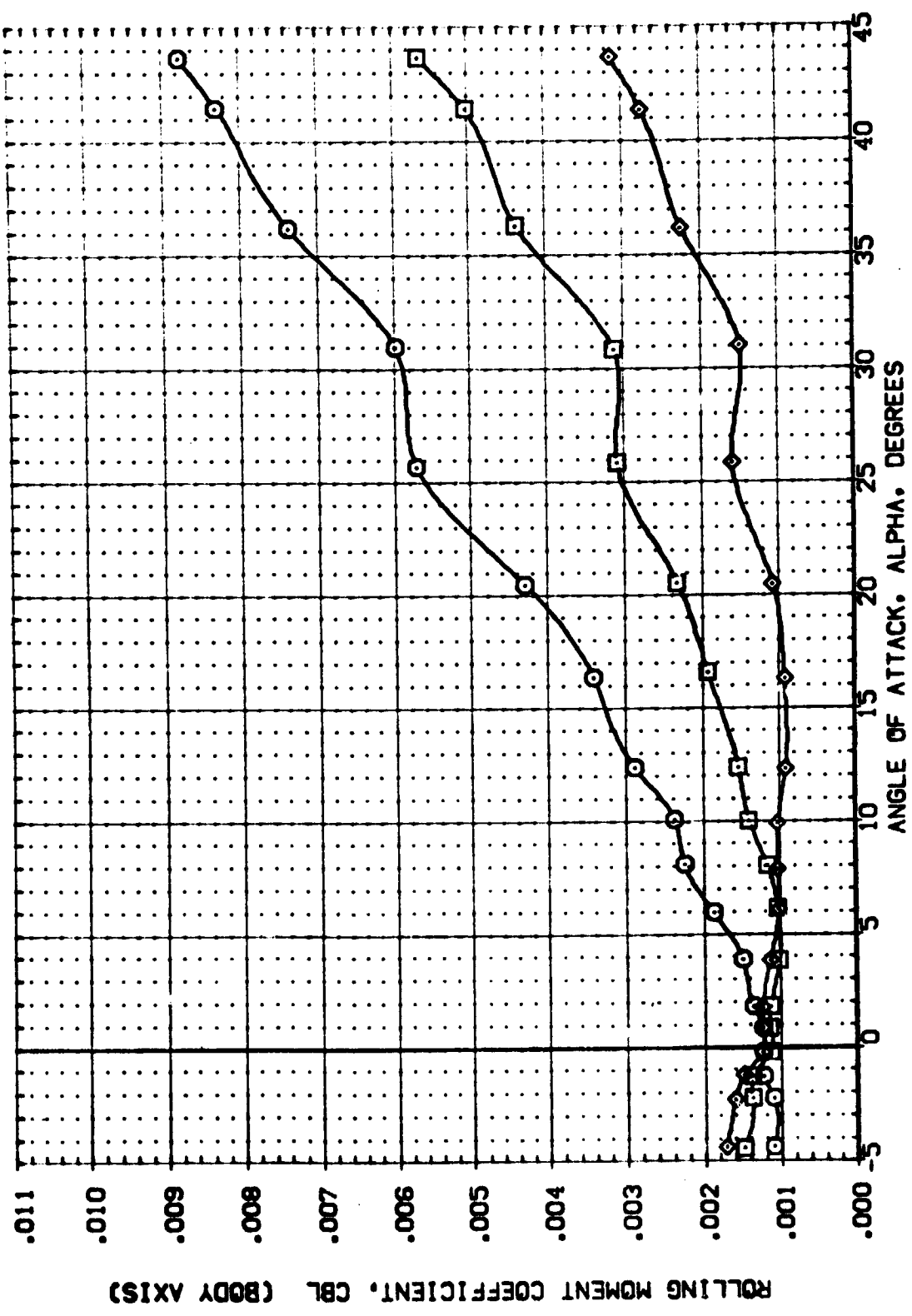
ALIGN: 3.000 3.000 3.000

BETA: .000 .000 .000

ELEVTR: .000 .000 .000

BOFLAP: -14.250 -14.250 -14.250

REFERENCE INFORMATION: SREF 07.1560 SQ. IN. LREF 7.1220 INCHES BREF 14.0502 INCHES XREF 13.1488 INCHES YREF .0000 INCHES ZREF 6.0700 INCHES SCALE .0150



AILERONS DEFLECTED -89B CONFIG

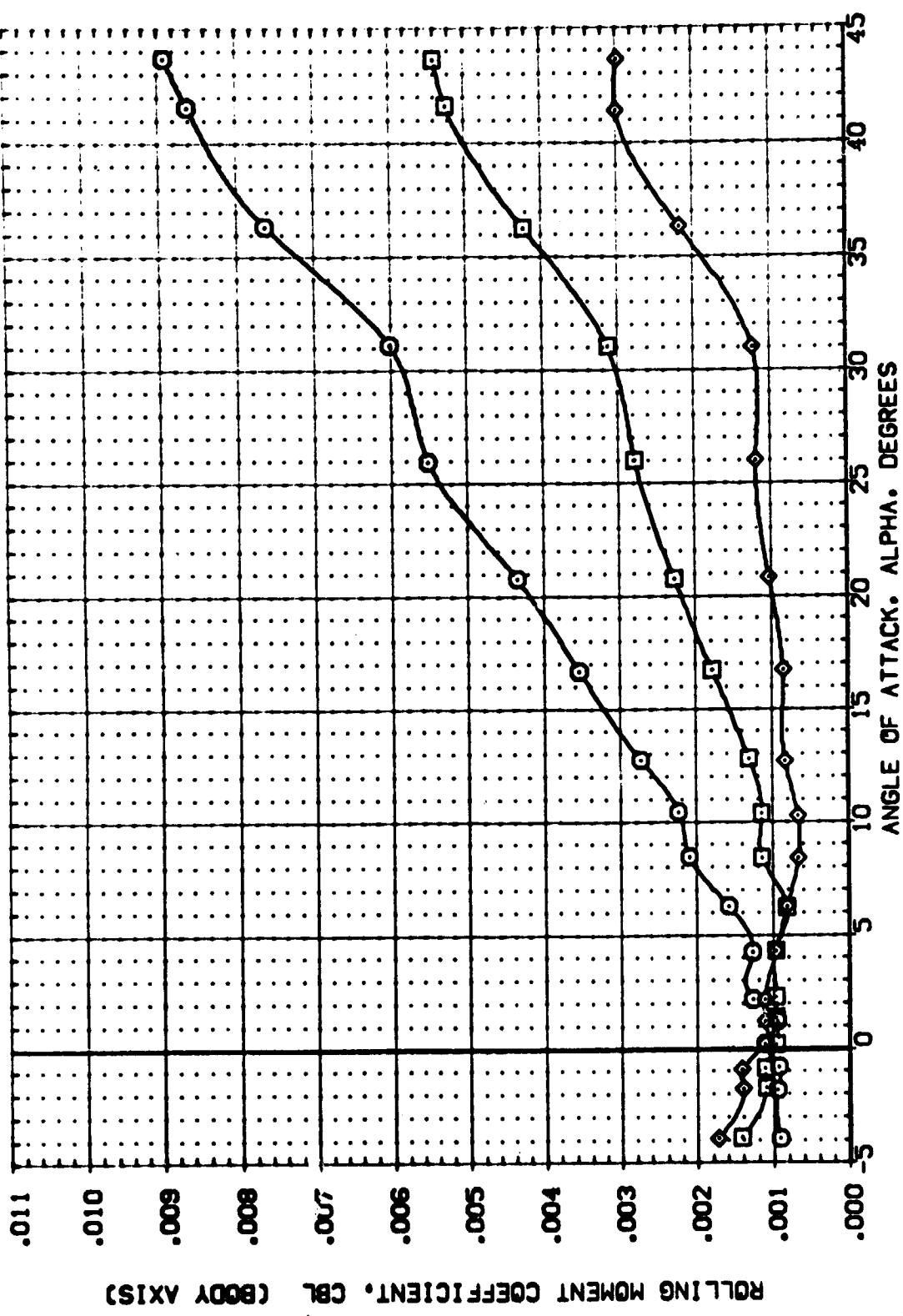
(B)MACH = 3.90

DATA SET SYMBOL: {SPW08} {SPW10} {SPW11}

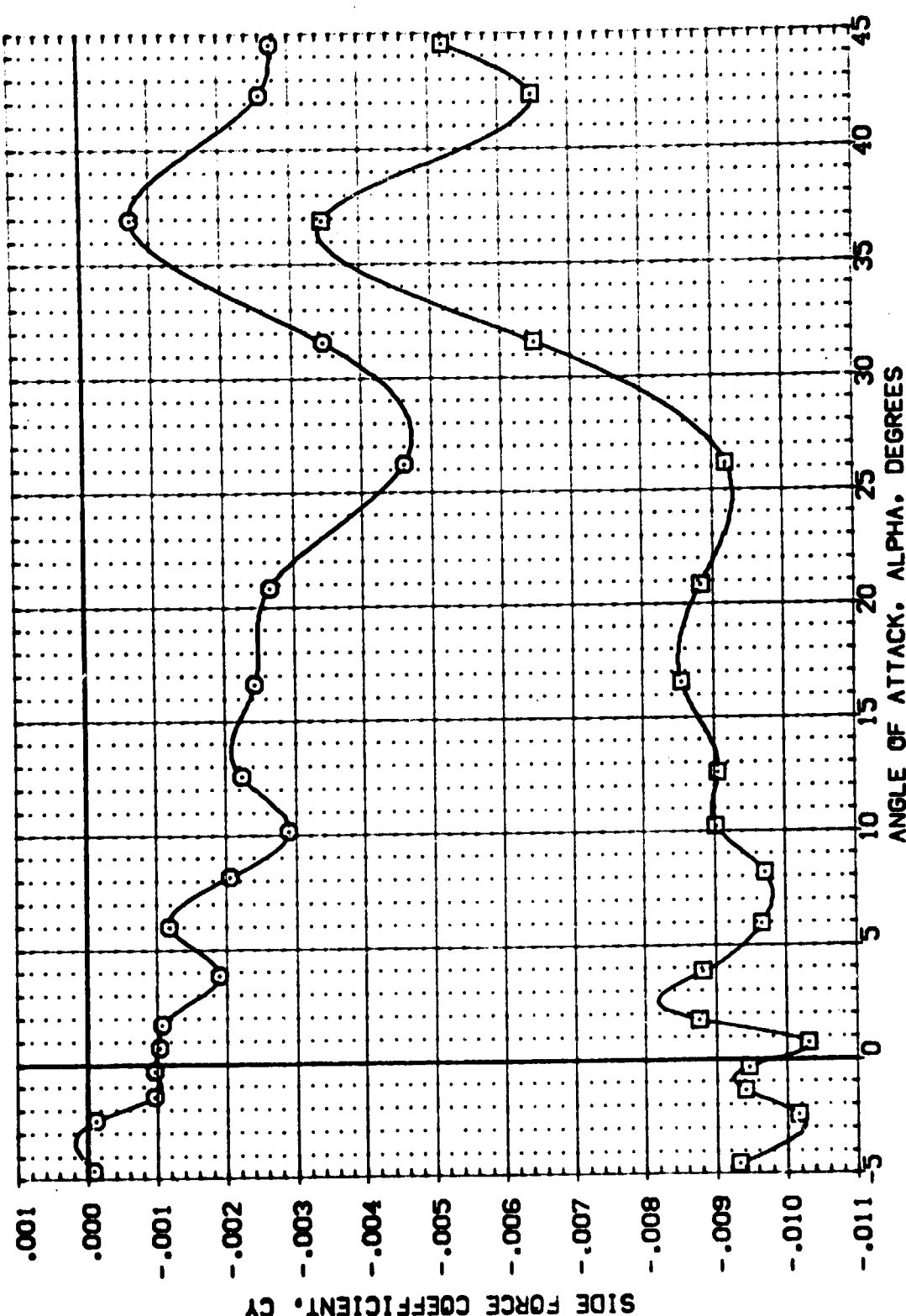
CONFIGURATION DESCRIPTION:  
 0A44 UPVT 1008 CONF-2A B10C5070F-4V67E18S75X18  
 0A44 UPVT 1009 CONF-2A B10C5070F-4V67E18S75X18  
 0A44 UPVT 1005 CONF-2A B10C5070F-4V67E18S75X18

ALIGN BETA: 5.000, 5.000, 5.000  
 ELEVTR: 0.000, -10.000, 0.000  
 EDFLAP: -14.250, -14.250, -14.250

REFERENCE INFORMATION:  
 SREF: 87.1200, 7.1220, 14.0502, 13.1469, 6.0000, 6.0000  
 UNITS: INCHES, INCHES, INCHES, INCHES, INCHES, INCHES  
 ZMRP SCALE: .0150



DATA SET SYMBOL: [ ]  
 CONFIGURATION DESCRIPTION: DATA UPVT 1088 CONF-2A B10000070F4V07E1088X116  
 DATA UPVT 1088 CONF-2A B10000070F4V07E1088X116  
 BETA: .000  
 SPDRX: 54.520  
 SOFLAP: -14.250  
 RUDDER: .000  
 REFERENCE INFORMATION:  
 SREF: 87.1560 SQ. IN.  
 LREF: 7.1220 IN.-ES  
 XREF: 14.0502 IN.-ES  
 YREF: 13.1468 IN.-ES  
 ZREF: .0000 IN.-ES  
 SCALE: 6.0000 IN.-ES  
 SCALE: .0150



RUDDER DEFLECTED -898 CONFIG  
 (A)MACH = 2.50

DATA SET SYMBOL: (RPM402) (RPM412)

CONFIGURATION DESCRIPTION: 0A44 UPVT 1035 CONF-2A 810C307G-4167E1875V3X18  
 0A44 UPVT 1035 CONF-2A 810C307G-4167E1875V3X18

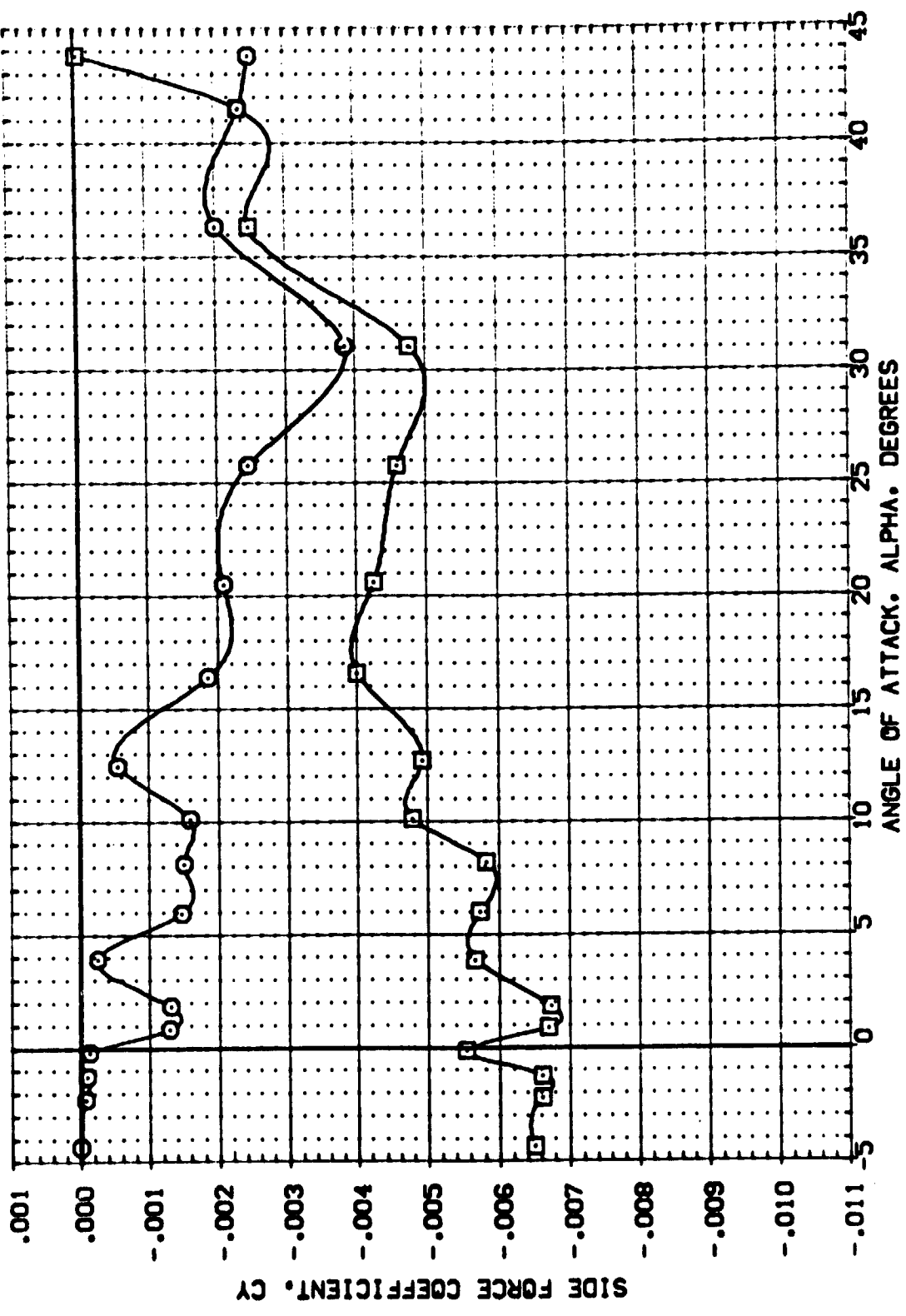
BETA: .000 .000

SPOBRK: 54.920 54.920

SDFLAP: -14.250 -14.250

RUDDER: .000 -10.000

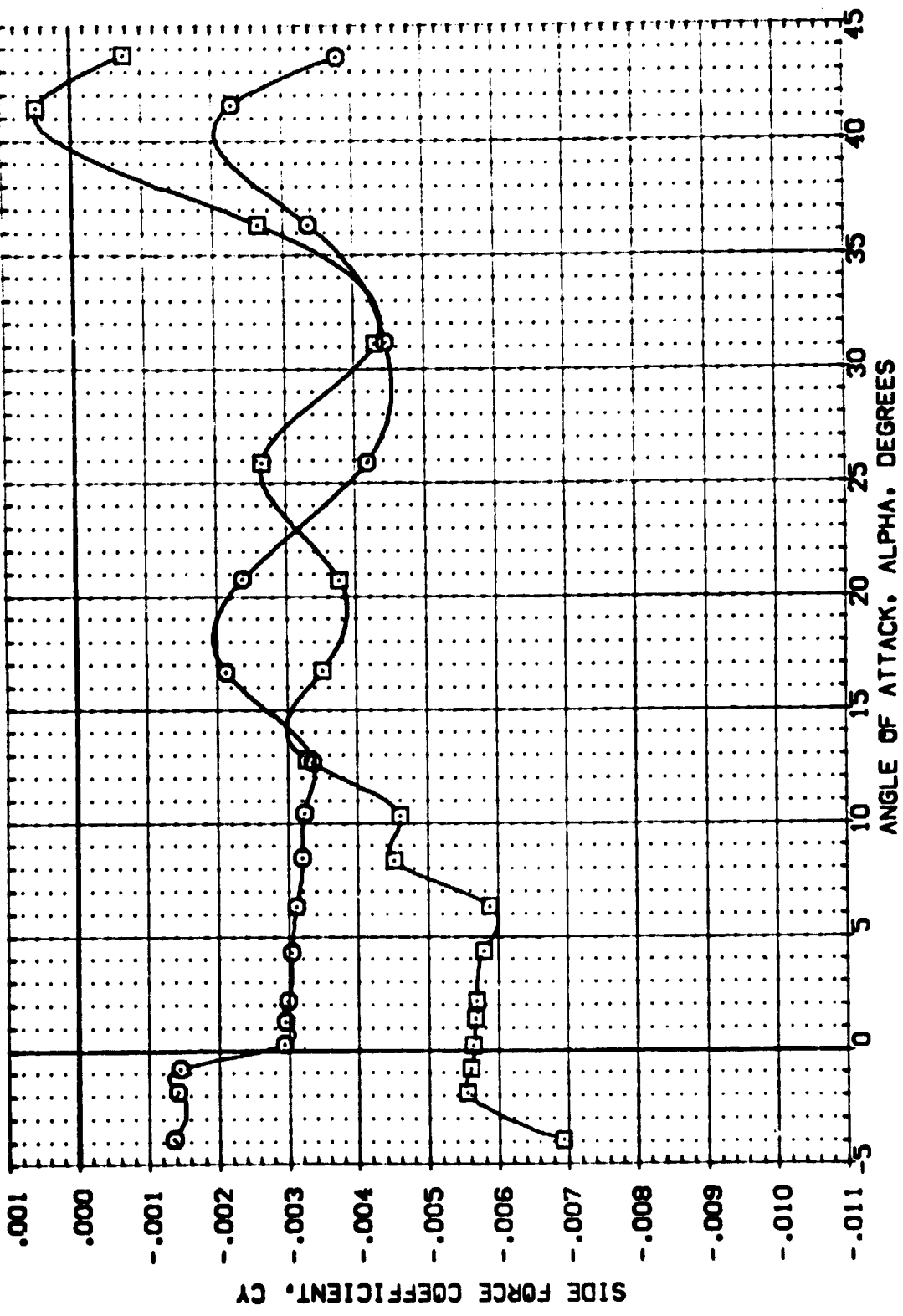
REFERENCE INFORMATION: 87.1560 90.14 INCHES  
 7.1220 INCHES  
 14.0502 INCHES  
 13.1469 INCHES  
 .0000 INCHES  
 6.0000 INCHES  
 .0150 SCALE



RUDDER DEFLECTED -89B CONFIG

(B)MACH = 3.90

DATA SET SYMBOL: **CONF-2A** CONFIGURATION DESCRIPTION: **CONF-2A**  
 REFERENCE INFORMATION: **NO. IN**  
 SREF: **87.1500** **NO. OF**  
 LREF: **7.1200** **NO. OF**  
 BREF: **14.0500** **NO. OF**  
 XPRP: **13.1488** **NO. OF**  
 YPRP: **6.0000** **NO. OF**  
 ZPRP: **6.0000** **NO. OF**  
 SCALE: **.0150** **SCALE**



RUDDER DEFLECTED -898 CONFIG

(C)MACH = 4.60

DATA SET SYMBOL: 0444 UPVT 1035 CONF-2A B1023070F4107E108V5X18  
 (RPM12) □ 0444 UPVT 1035 CONF-2A B1023070F4107E108V5X18

CONFIGURATION DESCRIPTION: 0444 UPVT 1035 CONF-2A B1023070F4107E108V5X18

BETA: .000

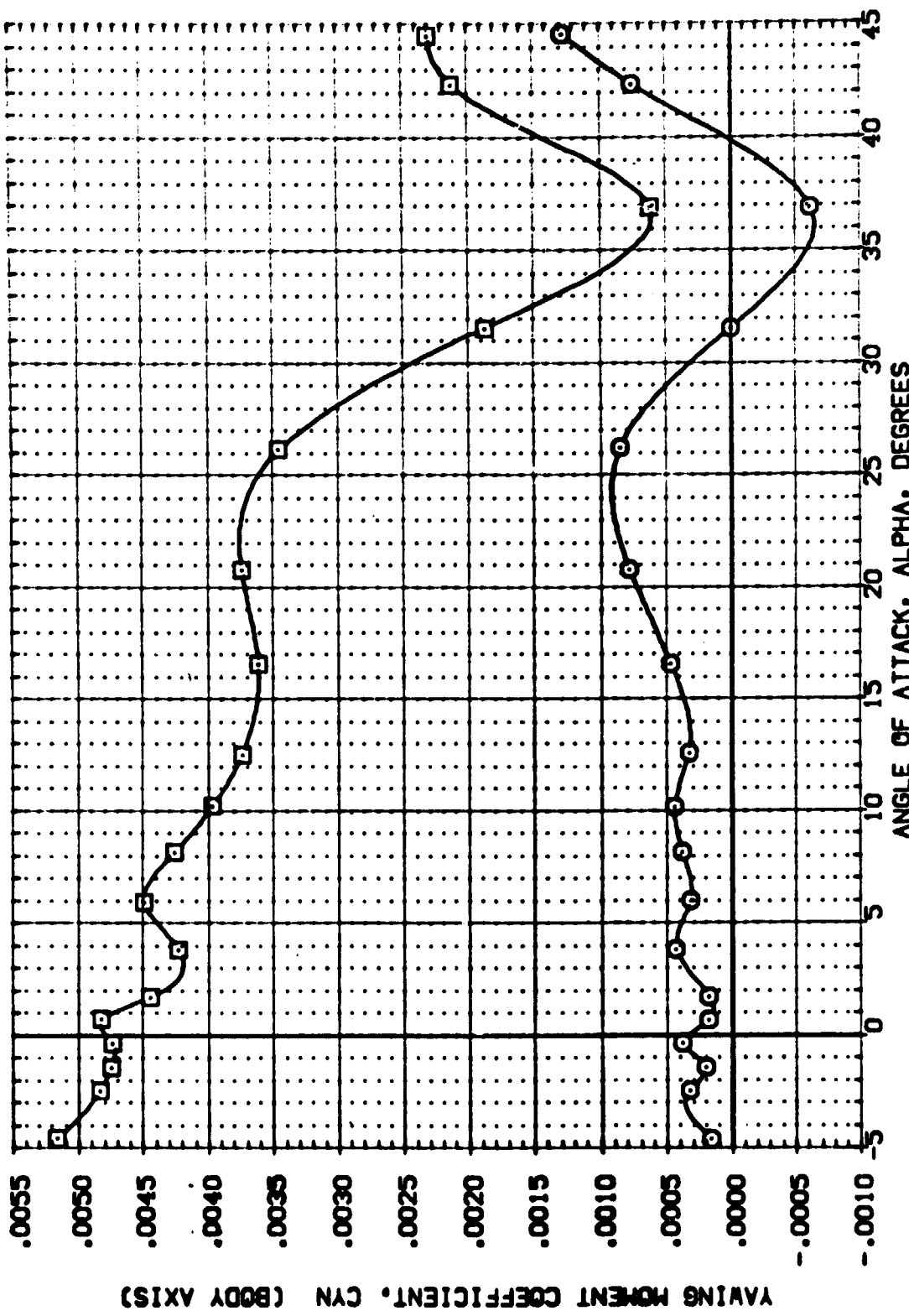
UPPERK: 54.980

EDFLAP: -14.250

RUDDER: -10.000

REFERENCE INFORMATION:

REF	67.1500	50. IN
LAEF	7.1220	INCHES
BRFP	14.0502	INCHES
XTRP	13.1469	INCHES
YTRP	0.0000	INCHES
ZTRP	6.0000	INCHES
SCALE	.0150	SCALE



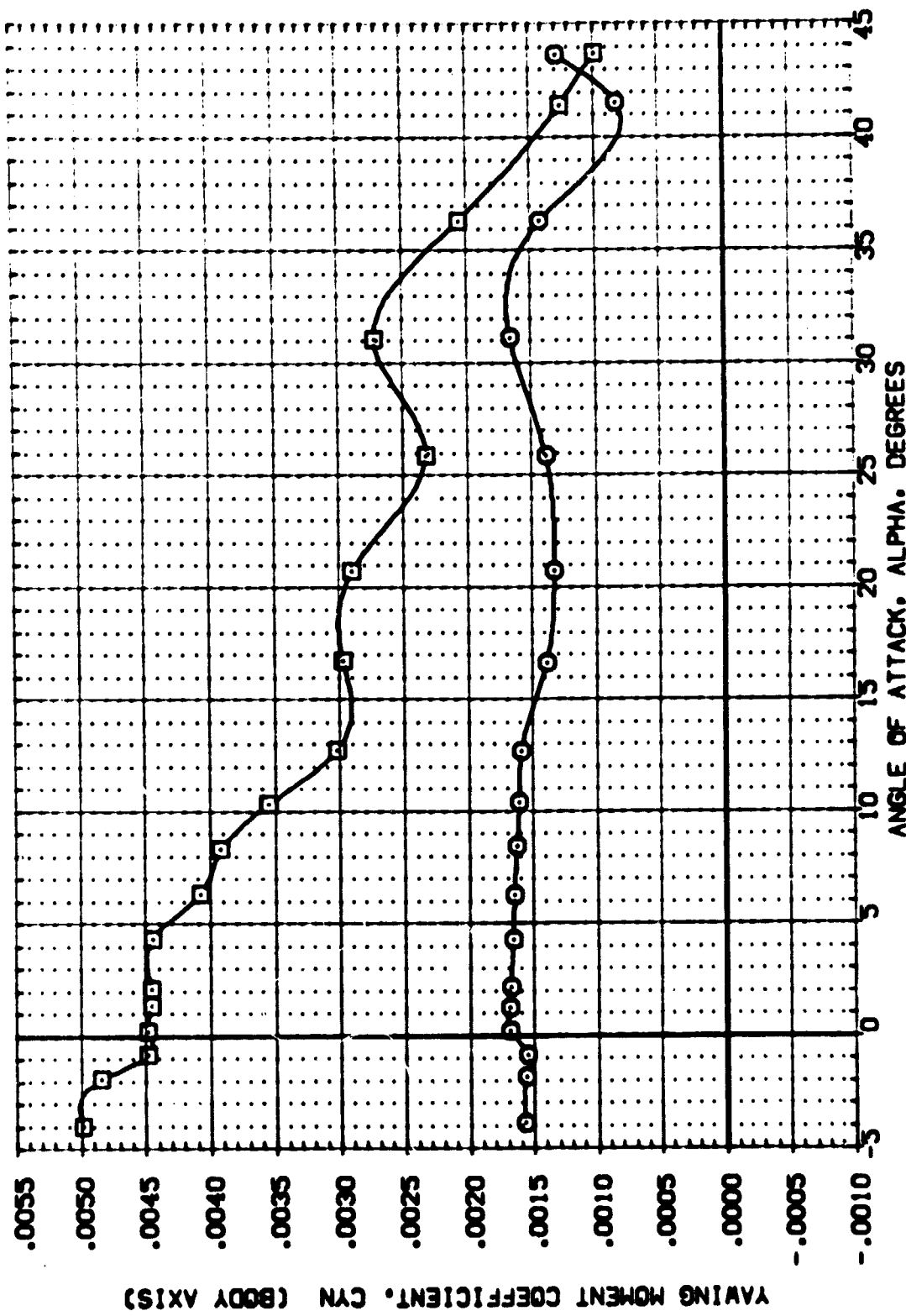
RUDDER DEFLECTED -898 CONFIG

(A)MACH = 2.50





DATA SET SYMBOL:  CONFIGURATION DESCRIPTION:  REFERENCE INFORMATION  
 (RPM02)  QM44 UPVT 1005 CONF-2A B10C3070F-1M7E BPSVSK16 SNET 87.1590 90. IN.  
 (RPM12)  QM44 UPVT 1005 CONF-2A B10C3070F-1M7E BPSVSK16 LREF 7.1270 INDES  
 BETA .000 54.500 -14.250 .000 YRPP 13.1458 INDES  
 .000 54.300 -14.250 -10.000 ZRPP 6.0000 INDES  
 .000 .0000 .0150 SCALE



RUDER DEFLECTED -898 CONFIG  
 (C)MACH = 4.60

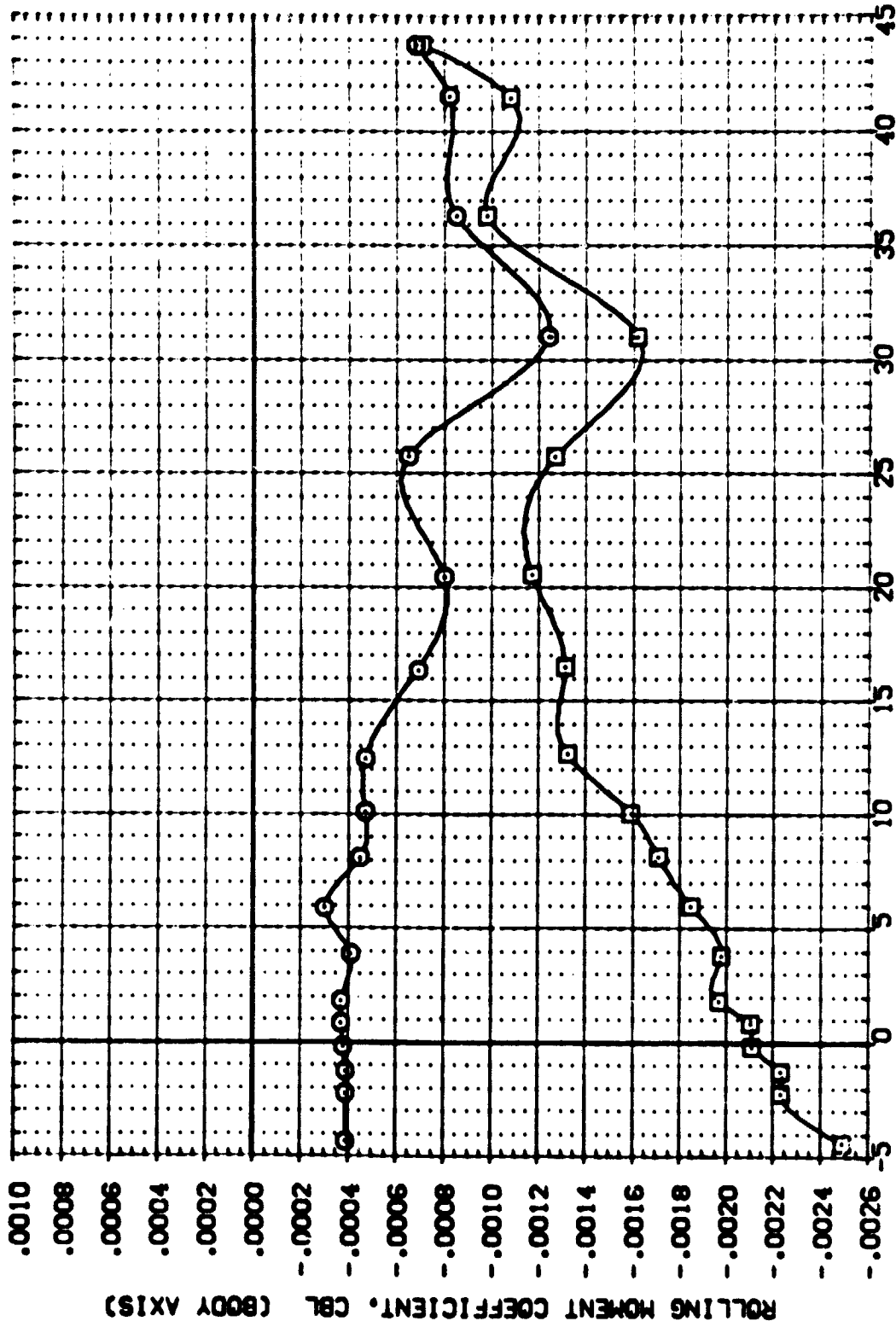


DATA SET SYMBOL CONFIGURATION DESCRIPTION

{ 898A2 } DATA UNIT 1055 CONF-2A B10C327A0F-1W07E10R0V0K118  
 { 898A12 } DATA UNIT 1055 CONF-2A B10C327A0F-1W07E10R0V0K118

BETA 0.000 54.820 -14.250 RUDER .000 -10.000

REFERENCE INFORMATION  
 SREF 87.1250 89.1250  
 LREF 7.1250 11.0000  
 MREF 14.0000 11.0000  
 XPRP 13.1459 11.0000  
 YPRP 8.0000 11.0000  
 ZPRP 8.0000 11.0000  
 SCALE .0150



ANGLE OF ATTACK, ALPHA, DEGREES

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

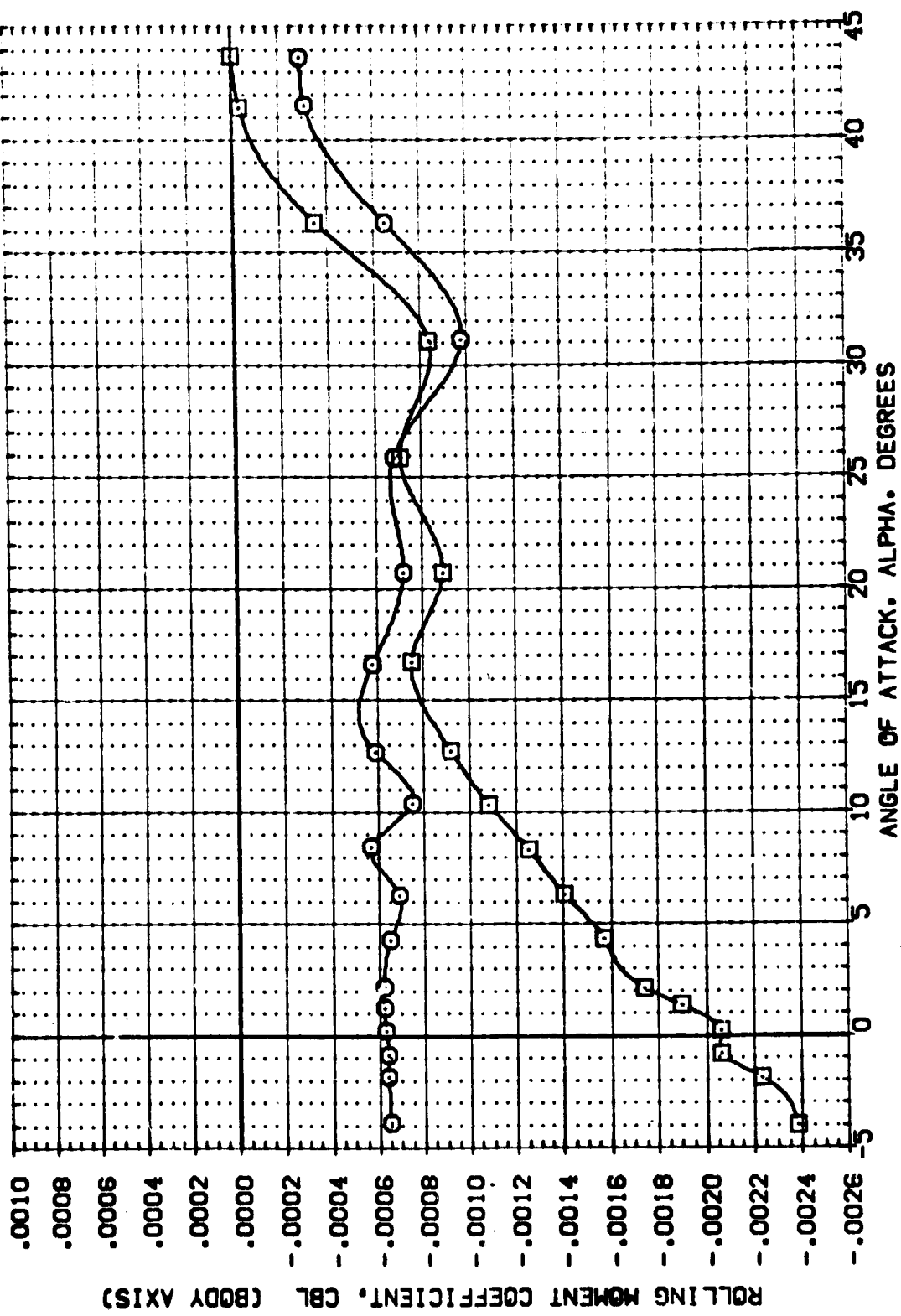
RUDER DEFLECTED -898 CONFIG

(B)MACH = 3.90

DATA SET SYMBOL: [ ]  
 CONFIGURATION DESCRIPTION:  
 DATA1 UPVT 1035 CONF-2A B10C307H3F4M7E18M5X18  
 DATA2 UPVT 1035 CONF-2A B10C307H3F4M7E18M5X18

BETA: .000  
 SPOBRK: 54.920  
 BD-FLAP: -14.250  
 RUDDER: -10.000

REFERENCE INFORMATION:  
 SREF: 87.1560 50. IN.  
 LREF: 7.1270 INCHES  
 BR-F: 14.0502 INCHES  
 XTRP: 13.1468 INCHES  
 YTRP: 6.0000 INCHES  
 ZTRP: 6.0000 INCHES  
 SCALE: .0150



RUDDER DEFLECTED -89B CONFIG

(C)MACH = 4.60



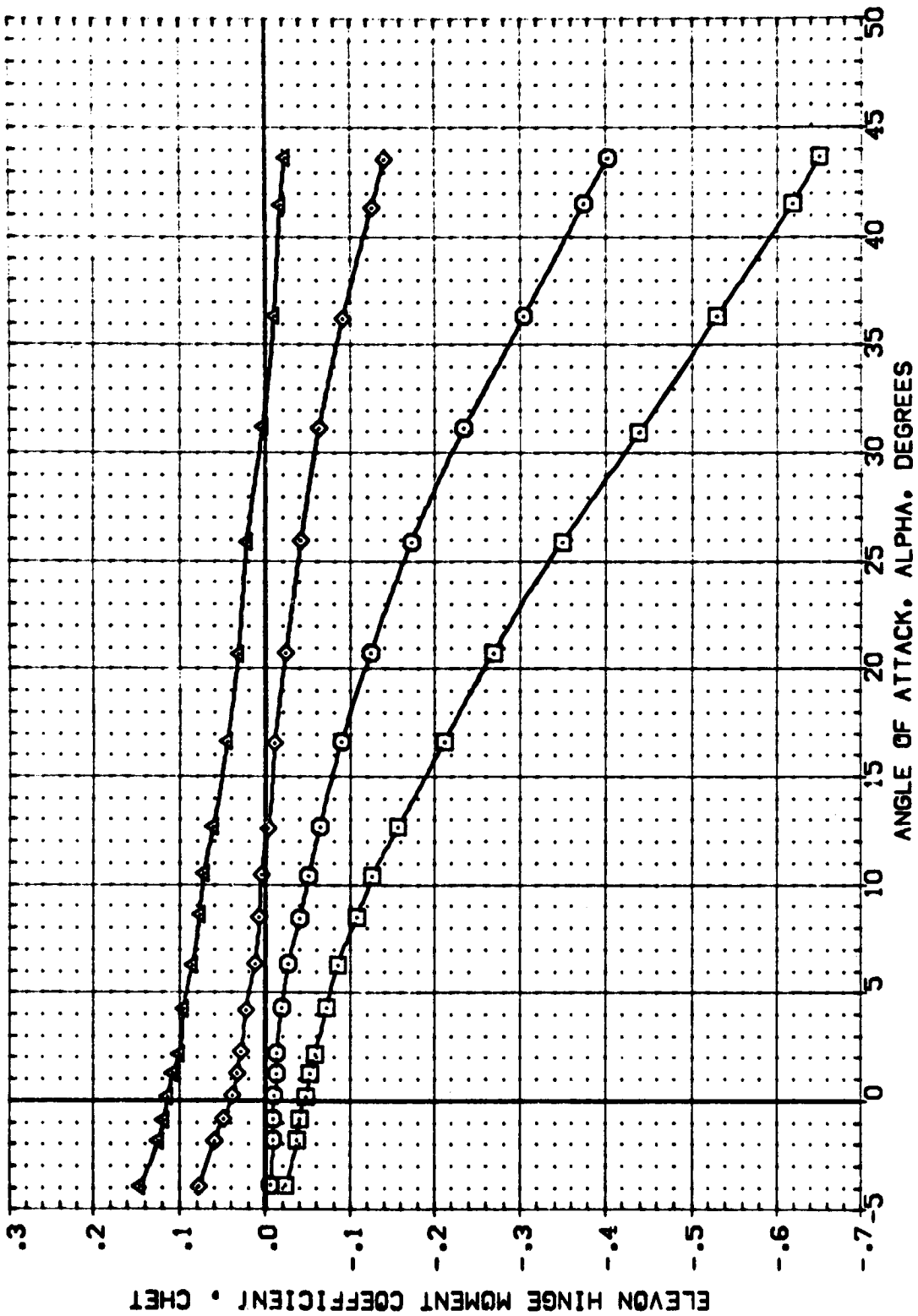


DATA SET SYMBOL CONFIGURATION DESCRIPTION REFERENCE INFORMATION

(RPNB02)	DA44 UPVT 1035 CONF-2A 8   DC507MCF 4V87E   8R5V5X16	SREF	87.1560	50. IN.
(RPNB03)	DA44 UPVT 1035 CONF-2A 8   DC507MCF 4V87E   8R5V5X16	LREF	7.1220	INCHES
(RPNB08)	DA44 UPVT 1035 CONF-2A 8   DC507MCF 4V87E   8R5V5X16	BREF	14.0502	INCHES
(RPNB04)	DA44 UPVT 1035 CONF-2A 8   DC507MCF 4V87E   8R5V5X16	XTRP	13.1469	INCHES
		ZTRP	6.0000	INCHES
		SCALE	.0150	SCALE

ELEVTR BOFLAP SPOBRK RUDDER

.000	-14.250	54.920	.000
10.000	13.750	54.920	.000
-20.000	-14.250	54.920	.000
-40.000	-14.250	54.920	.000



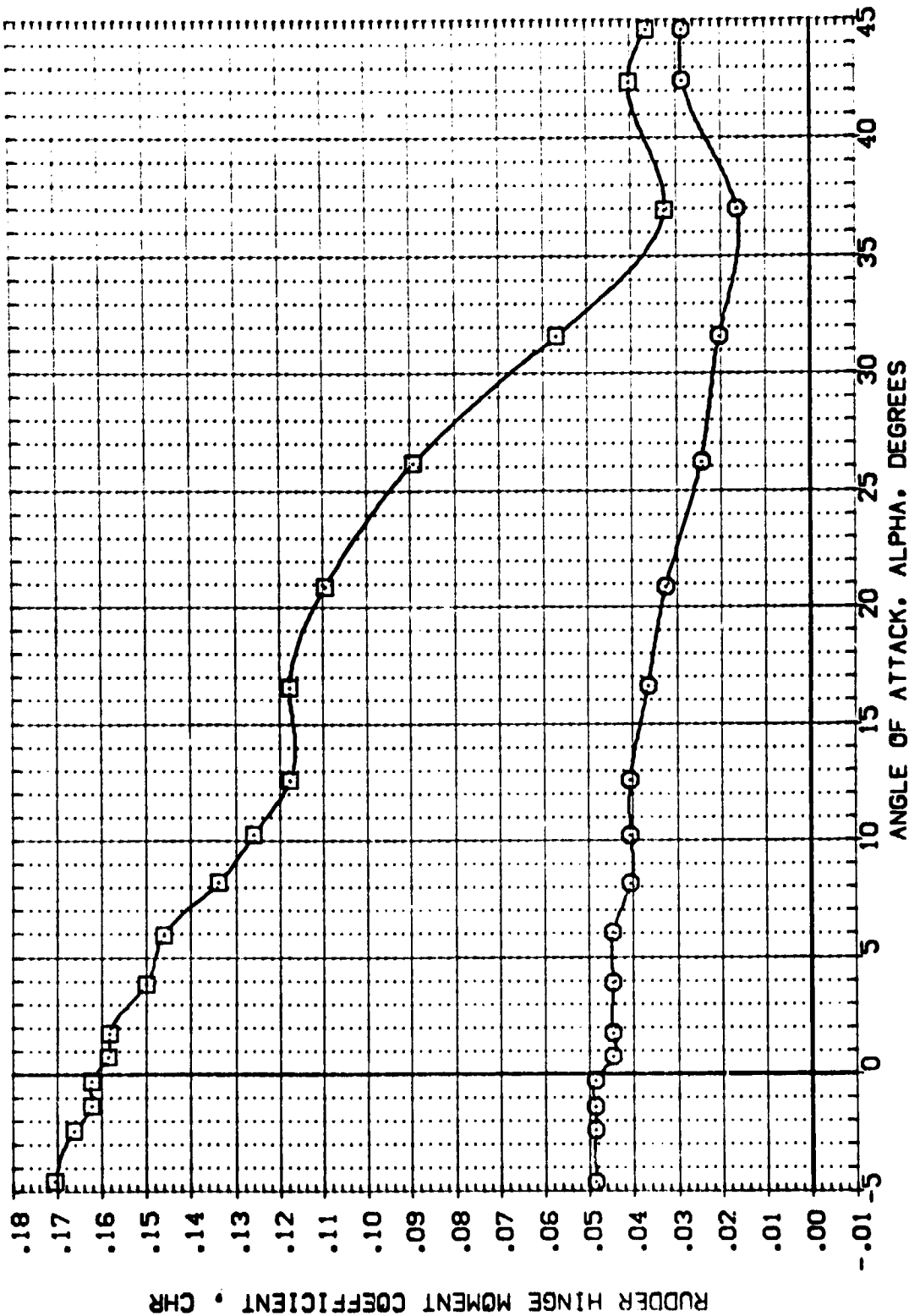
ELEVON HINGE MOMENTS -89B CONFIG

(C)MACH = 4.60

DATA SET SYMBOL: 0A44 UPVT 1035 CONF-2A B10C507KGF4V87E18RSV5X16  
 (RPNB02) 0A44 UPVT 1035 CONF-2A B10C507KGF4V87E18RSV5X16  
 (RPNB12)

BETA: .000  
 SPDRBK: 54.920  
 BDFLAP: -14.250  
 RUDDER: .000  
 -10.000

REFERENCE IN ORINATION:  
 SREF: 87.1560 INCHES  
 LREF: 7.1270 INCHES  
 BREF: 14.0500 INCHES  
 XTRP: 13.1468 INCHES  
 YTRP: .0000 INCHES  
 ZTRP: 6.0000 INCHES  
 SCALE: .0150

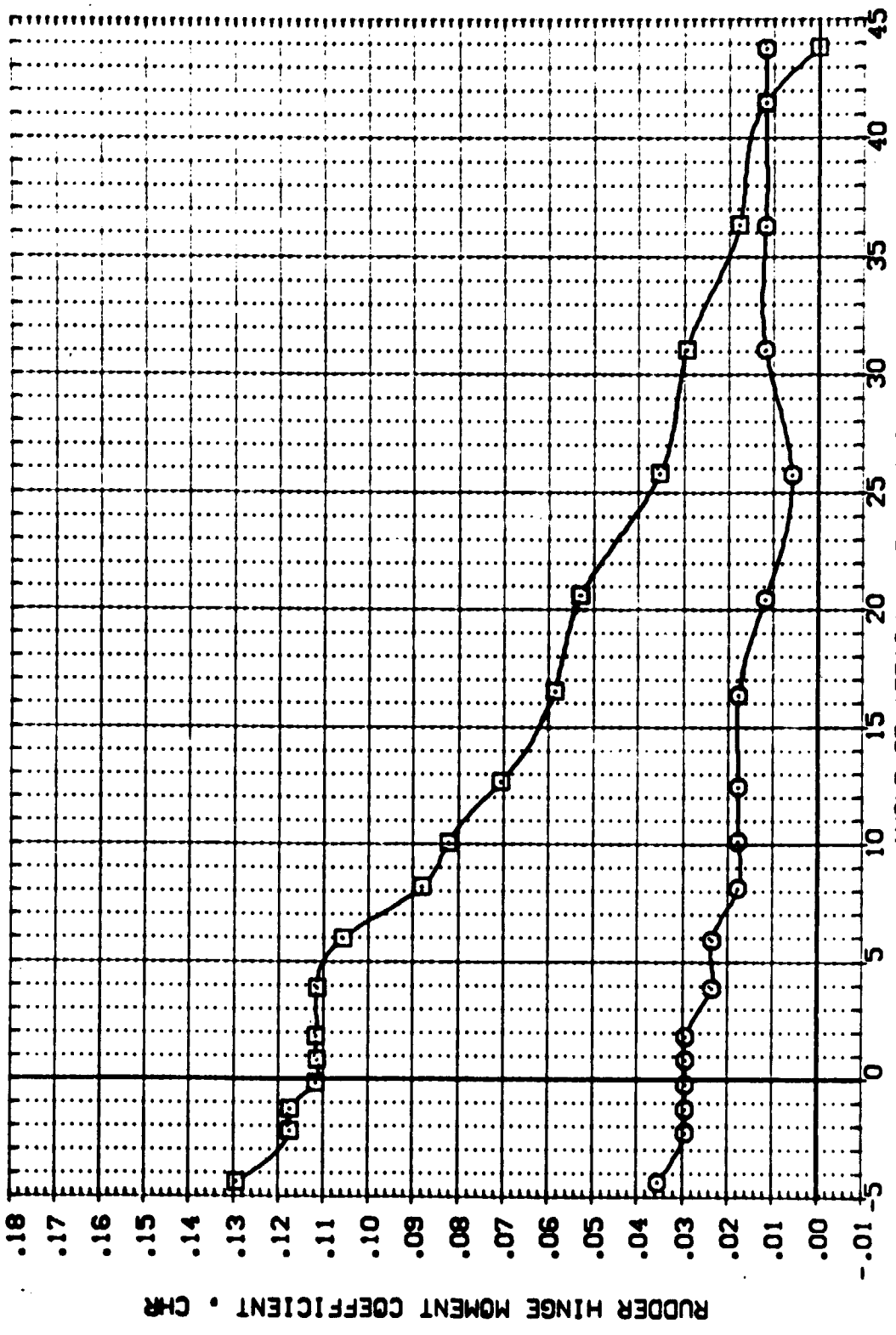


RUDDER HINGE MOMENT WITH RUDDER DEFLECTION-89B CONFIG

(A)MACH = 2.50



DATA SET SYMBOL: {RPH02} □  
 CONFIGURATION DESCRIPTION: 0A44 UPVT 1005 CONF-2A 810CS070CF1W67E|8RSVX|8  
 0A44 UPVT 1005 CONF-2A 810CS070CF1W67E|8RSVX|8  
 REFERENCE INFORMATION:  
 SREF 67.1560 90. IN  
 LREF 7.1220 IN-OES  
 BREF 14.0502 IN-OES  
 XMRP 13.1469 IN-OES  
 YMRP .0000 IN-OES  
 ZMRP 6.0000 IN-OES  
 SCALE .0150 SCALE



RUDDER HINGE MOMENT WITH RUDDER DEFLECTION-89B CONFIG

(B)MACH = 3.90

DATA SET SYMBOL: (RPR-802) (RPA-812)

CONFIGURATION DESCRIPTION: DATA LPVT 1035 CONF-2A 810033077-3F 4187E1885V3X18  
 DATA LPVT 1035 CONF-2A 810033077-3F 4187E1885V3X18

BETA: .000

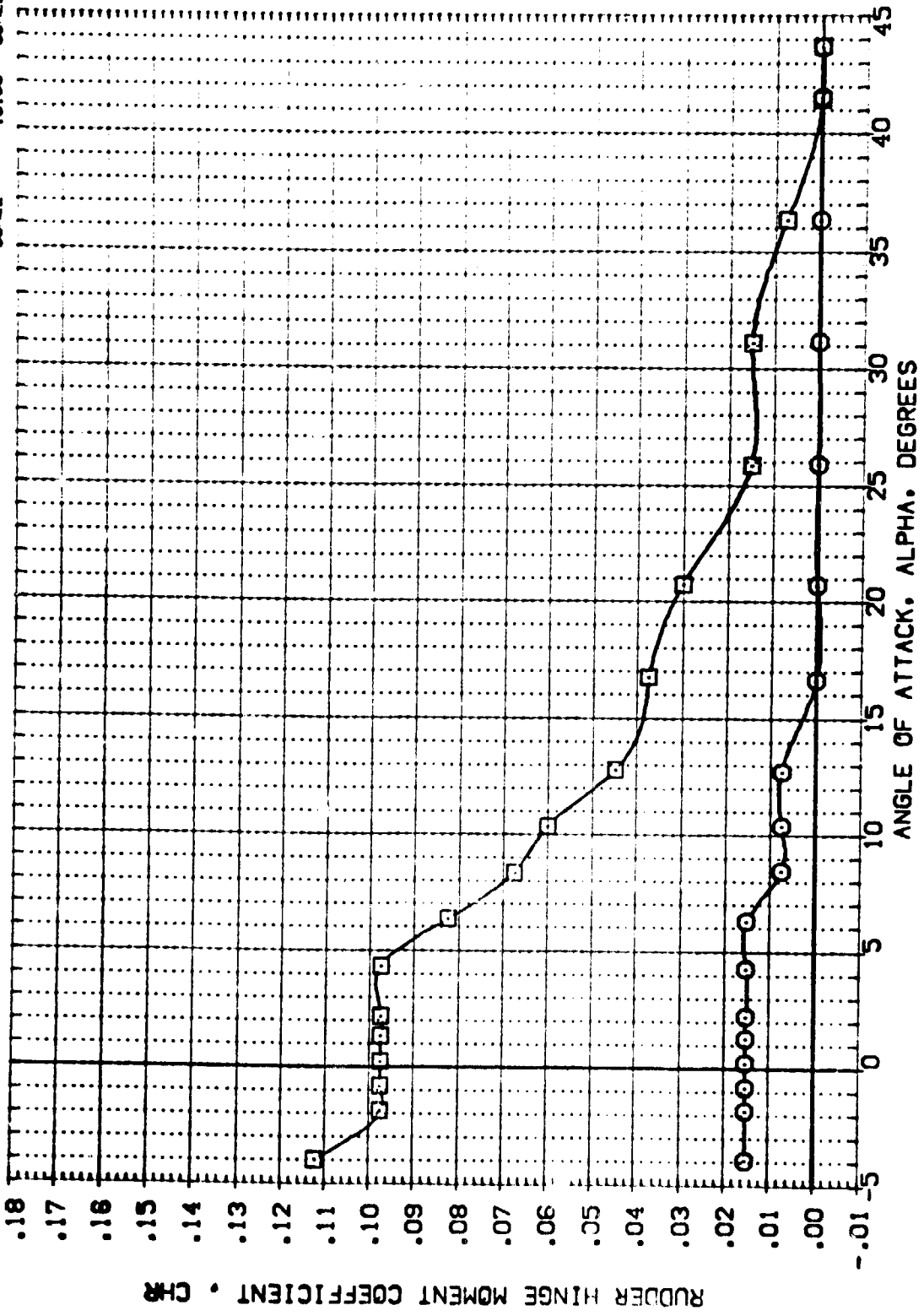
SPOBRK: 54.920 54.920

BDFLAP: -14.250 -14.250

RUDDER: .000 -10.000

REFERENCE INFORMATION:

SREF	87.1550	50. IN
LREF	7.1220	INCHES
BREF	14.0502	INCHES
YMRP	13.1469	INCHES
ZMRP	.0000	INCHES
SCALE	6.0000	INCHES
SCALE	.0150	SCALE



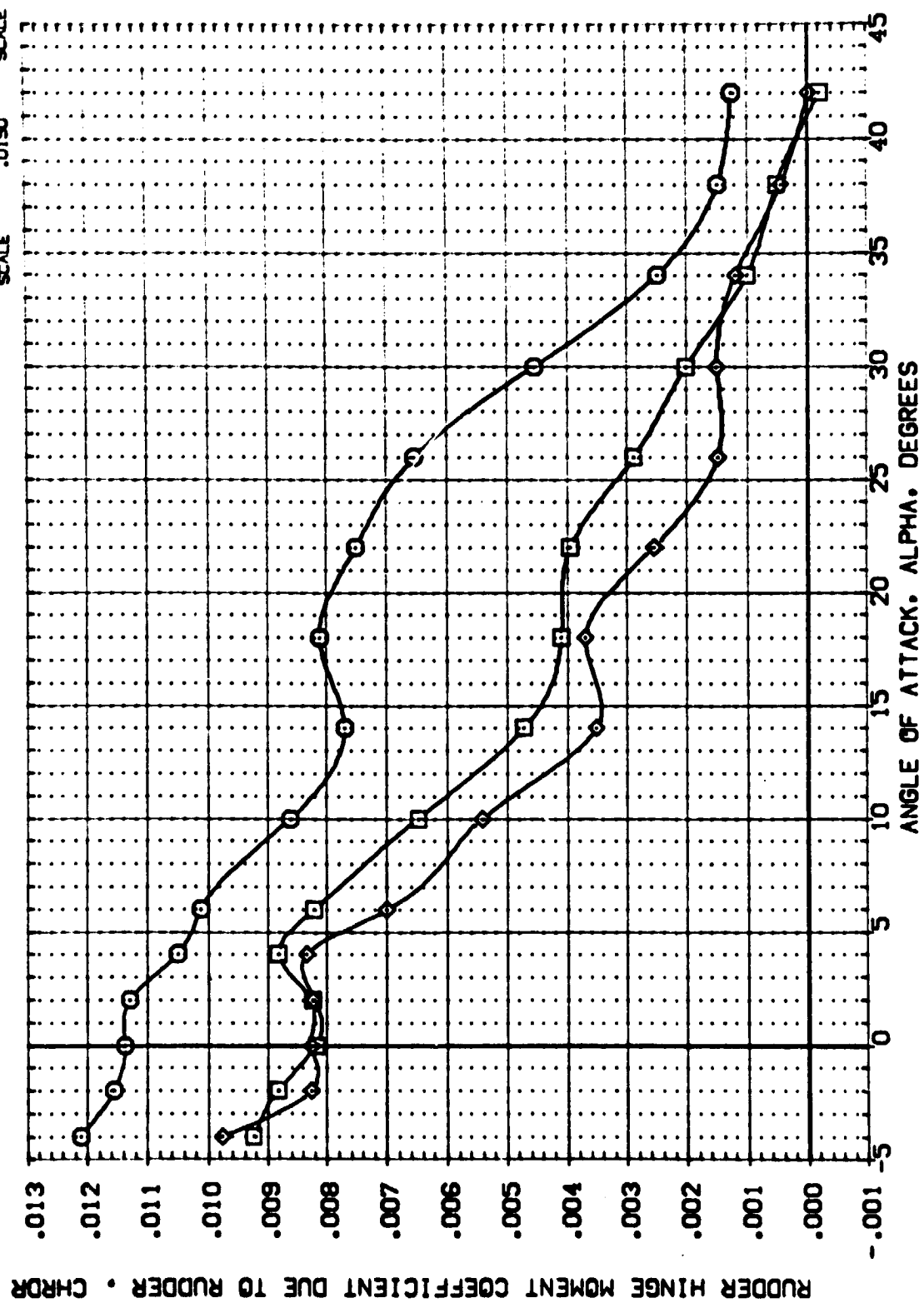
RUDDER HINGE MOMENT WITH RUDDER DEFLECTION-89B CONFIG

(C)MACH = 4.60

0A44 UPWT 1035 CONF-2A B10C5D7M3F4W87E18R5V5X16 (RPNY12)

MACH 2.500 BETA .000 ELEVTR .000  
 3.800 AILRON .000 BDFLAP -14.273  
 4.800 SPOBRK 54.920

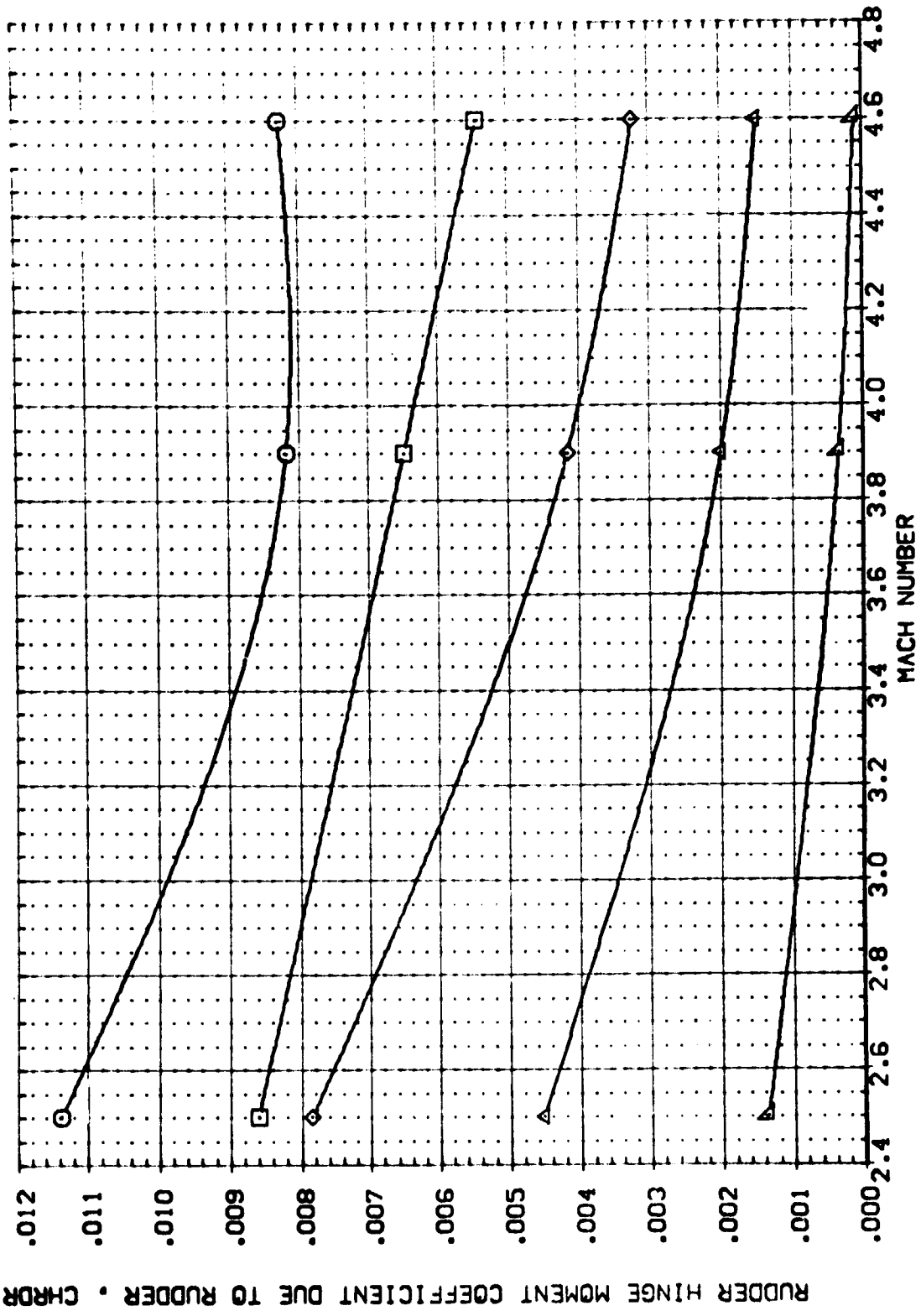
REFERENCE INFORMATION  
 SREF 87.1580 SQ. IN.  
 LREF 7.1220 INCHES  
 BREF 14.0502 INCHES  
 XREF 13.1469 INCHES  
 YREF .0000 INCHES  
 ZREF 6.0000 INCHES  
 SCALE .0150 SCALE



RUDDER HINGE MOMENT DERIVATIVES -89B CONFIG

0A44 UPWT 1035 CONF-2A B10C5D7M3F4W87E18R5V5X16 (YPN012)

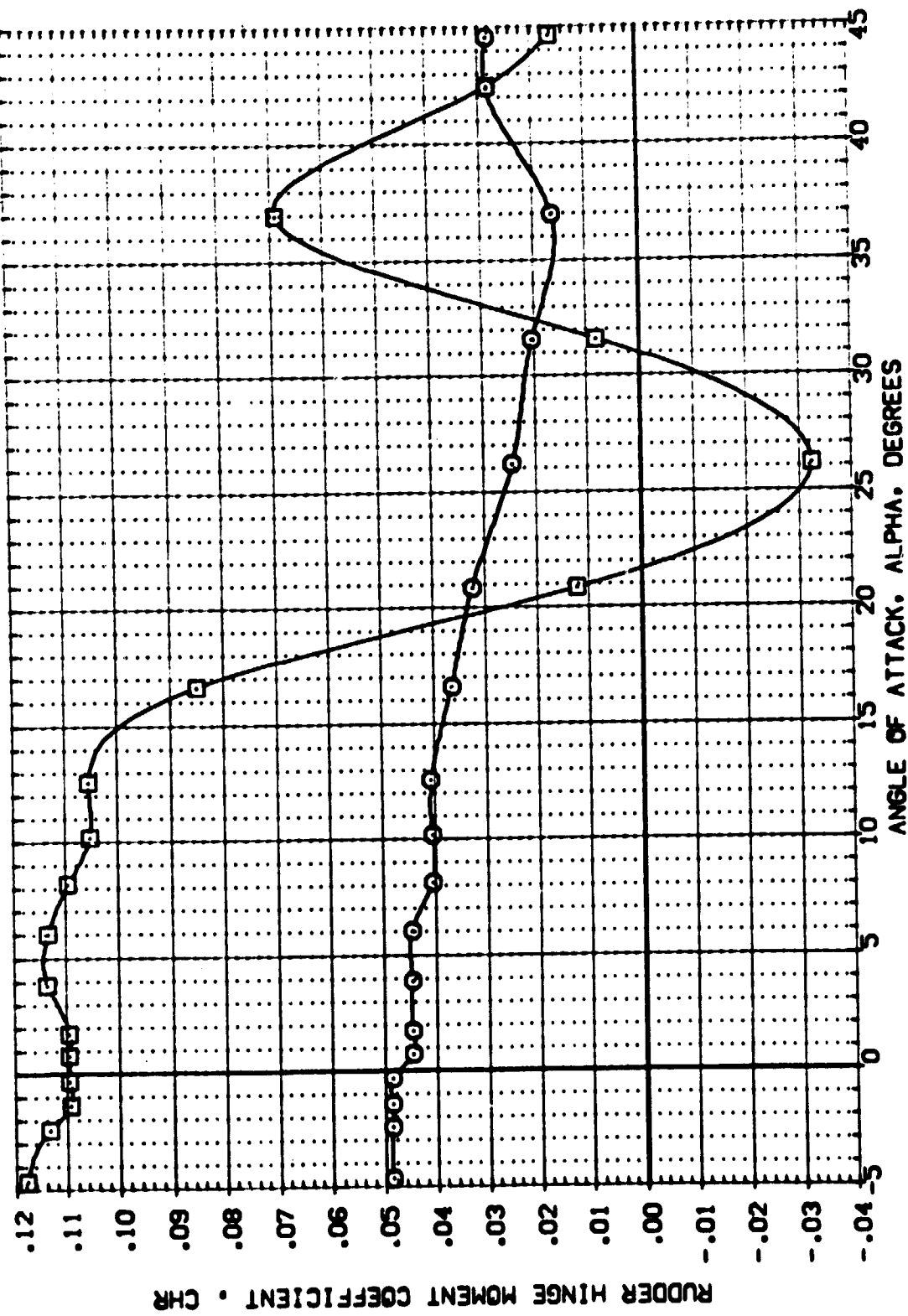
<b>SYMBOL</b>	<b>ALPHA</b>	<b>BETA</b>	<b>PARAMETRIC VALUES</b>	<b>REFERENCE INFORMATION</b>
○	.000	.000	ELEVTR .000	SREF 87.1560
□	10.000	.000	BDFLAP -14.250	LREF 7.1220
◇	20.000			BREF 14.0502
△	30.000			XPRP 13.1469
▽	40.000			YPRP .0000
				ZPRP .0000
				SCALE .0150



RUDDER HINGE MOMENT DERIVATIVES -89B CONFIG

DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 (REF-02) 8 QM44 UPVT 1005 CONF-2A B10CS0TH0P-4V67E|898V5X16  
 (REF-03) 8 QM44 UPVT 1005 CONF-2A B10CS0TH0P-4V67E|898V5X16

BETA ELEVTR SOFLAP SPOBRK REFERENCE INFORMATION  
 .000 .000 -14.750 54.520 87.1560 50. IN.  
 3.000 .000 -14.750 54.520 7.1220 INCHES  
 YMRP ZMRP SCALE 6.0000 INCHES  
 .0150 SCALE

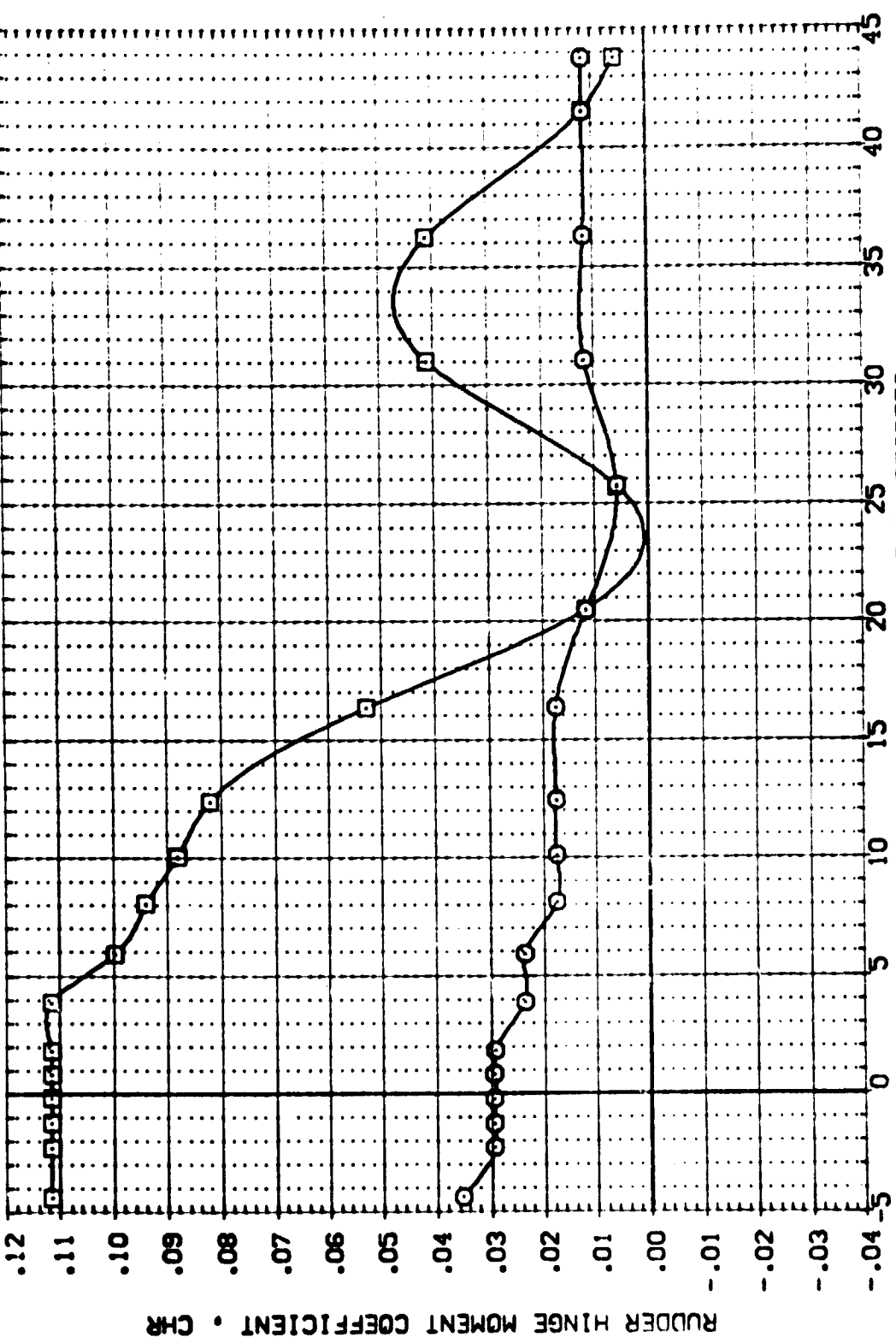


RUDDER HINGE MOMENT (PITCH SWEEP WITH CONSTANT BETA) -898 CONFIG  
 (A)MACH = 2.50

DATA SET SYMBOL: **CONF-2A** CONFIGURATION DESCRIPTION: **CONF-2A B10C507HCF4W67E18R5VX16**  
 {RPM002} DATA UPVT 1035 CONF-2A B10C507HCF4W67E18R5VX16  
 {RPM003} DATA UPVT 1035 CONF-2A B10C507HCF4W67E18R5VX16

BETA: **.000**  
 ELEVTR: **.000**  
 BOFLAP: **-14.250**  
 SPOBRK: **54.920**

REFERENCE INFORMATION:  
 SREF: **67.1500** SO, IN.  
 LREF: **7.1220** IN-OES  
 BRREF: **14.0500** IN-OES  
 XMRP: **13.1469** IN-OES  
 YMRP: **.0000** IN-OES  
 ZMRP: **.0000** IN-OES  
 SCALE: **.0150** SCALE



RUDDER HINGE MOMENT (PITCH SWEEP WITH CONSTANT BETA) -89B CONFIG  
 (B)MACH = 3.90

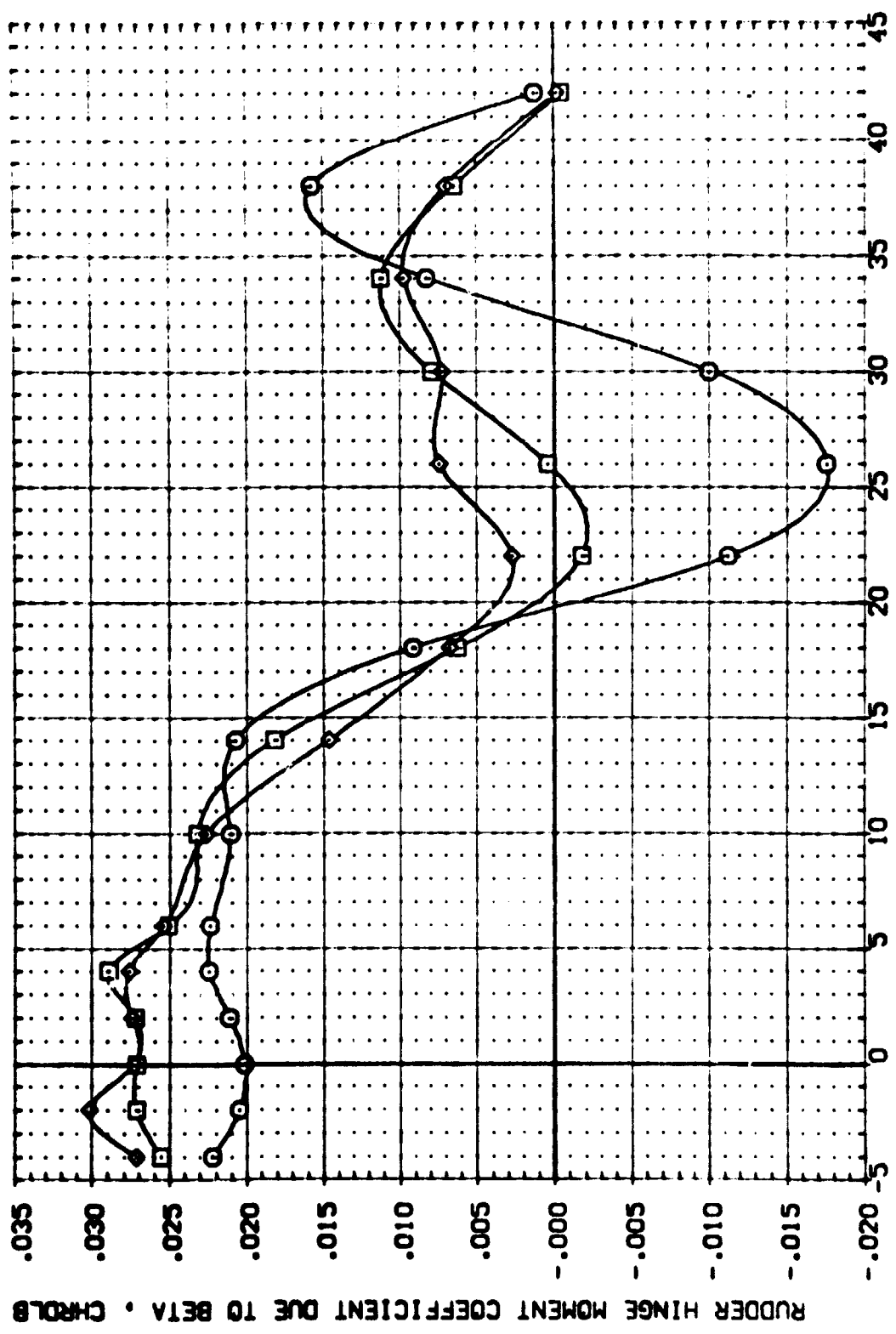




REFERENCE INFORMATION  
 SREF 07.1500  
 LREF 7.1500  
 BREF 14.3002  
 XREF 13.1463  
 YREF 6.0000  
 ZREF 6.0000  
 SCALE .0150

PARAMETRIC VALUES  
 .003 AILRON .000  
 .000 RUDER -14.250  
 \$1.500 SPOIN

MAGI  
 2.500 ELEVTR  
 3.800 RUDER  
 4.800 SPOIN



ANGLE OF ATTACK, ALPHA, DEGREES

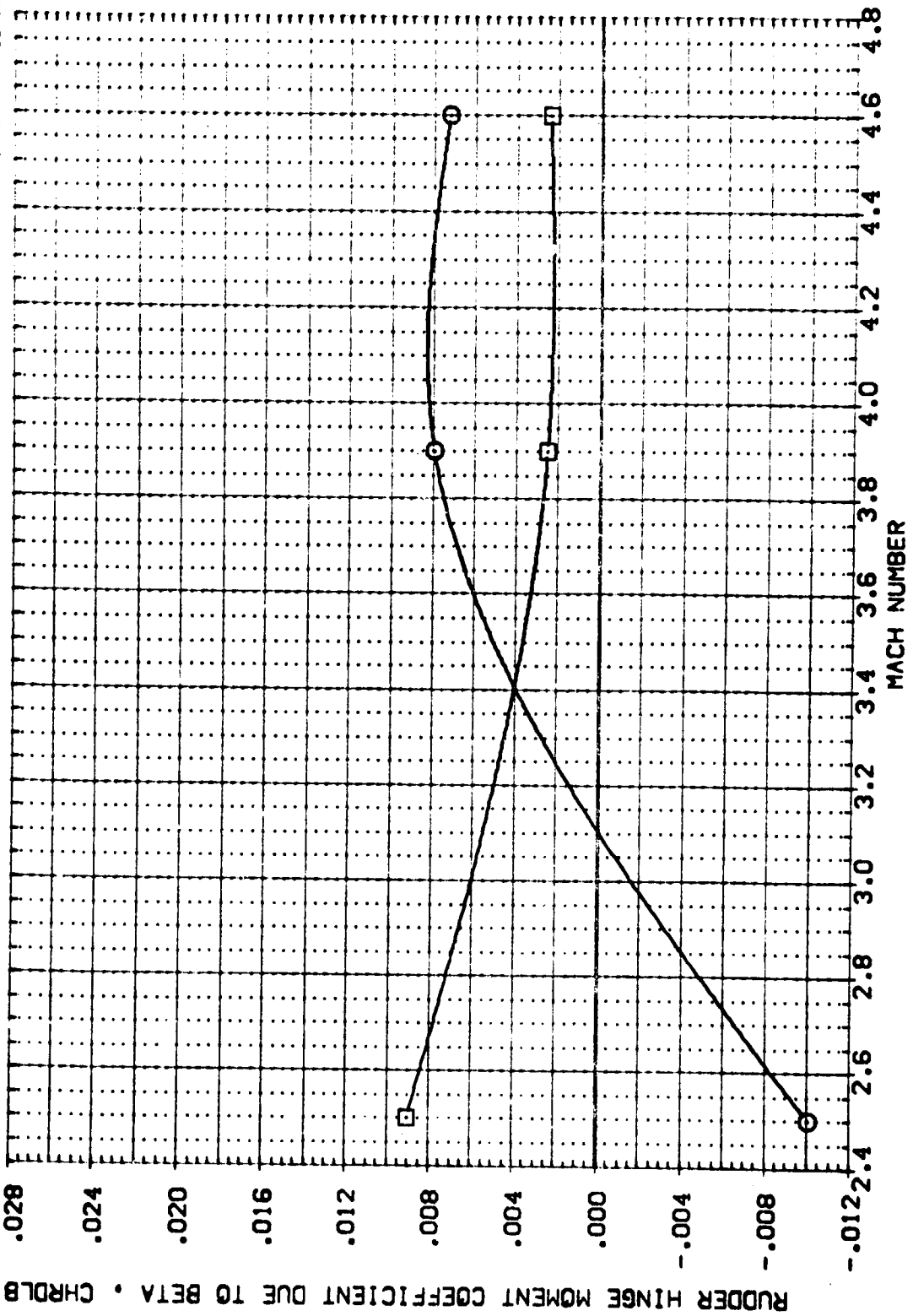
RUDDER HINGE MOMENT DERIVATIVE -89B CONFIG





0A44 UPWT 1035 CONF-2A 810C507M3F4W87E18R5V5X16 (BPN003)

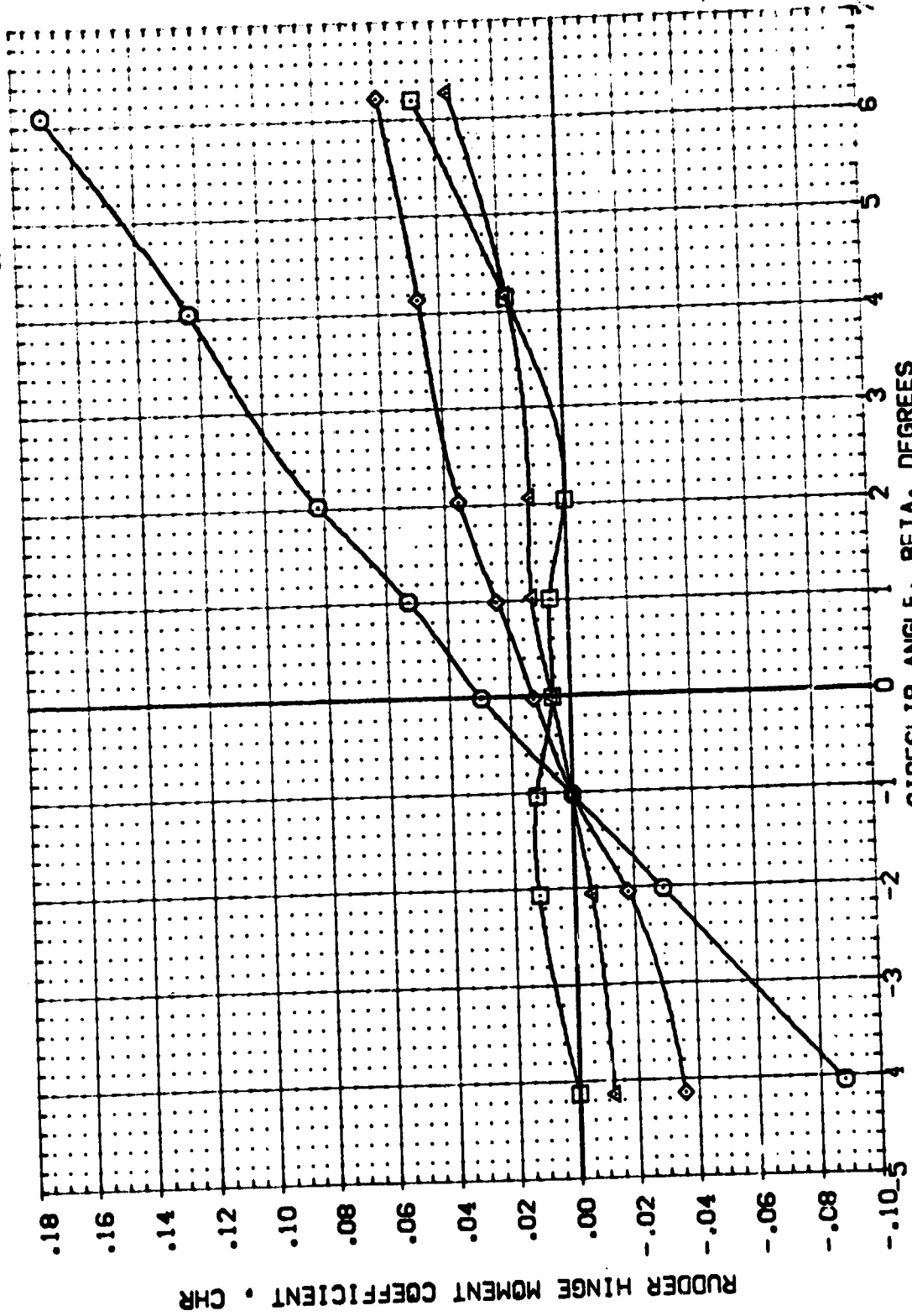
SYMBOL	ALPHA	ELEVTR	RUDDER	SPOBRK	PARAMETRIC VALUES	AILRON	BDFLAP	SCALE
○	30.000	.000	.000	.000	.000	-14.250	.000	87.1560
□	40.000	.000	.000	.000	.000	.000	.000	7.1220
								14.0502
								13.1469
								6.0000
								6.0000
								.0150



RUDDER HINGE MOMENT DERIVATIVE -89B CONF16

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R-814) O-44 UPVT 1005 CONF-2A B10C507MG-4V67E18RSV5X18  
 (R-815) O-44 UPVT 1005 CONF-2A B10C507MG-4V67E18RSV5X18  
 (R-816) O-44 UPVT 1005 CONF-2A B10C507MG-4V67E18RSV5X18  
 (R-817) O-44 UPVT 1005 CONF-2A B10C507MG-4V67E18RSV5X18

ALPHA BDFLAP SPOBRK RUDDER REFERENCE INFORMATION  
 .000 -14.250 54.920 .000 SREF 87.1560 SQ. IN.  
 20.000 -14.250 54.920 .000 LREF 7.1220 INCHES  
 30.000 -14.250 54.920 .000 BRPF 14.0502 INCHES  
 40.000 -14.250 54.920 .000 XMRP 13.1469 INCHES  
 ZMRP 6.0000 INCHES  
 SCALE .0150 SCALE

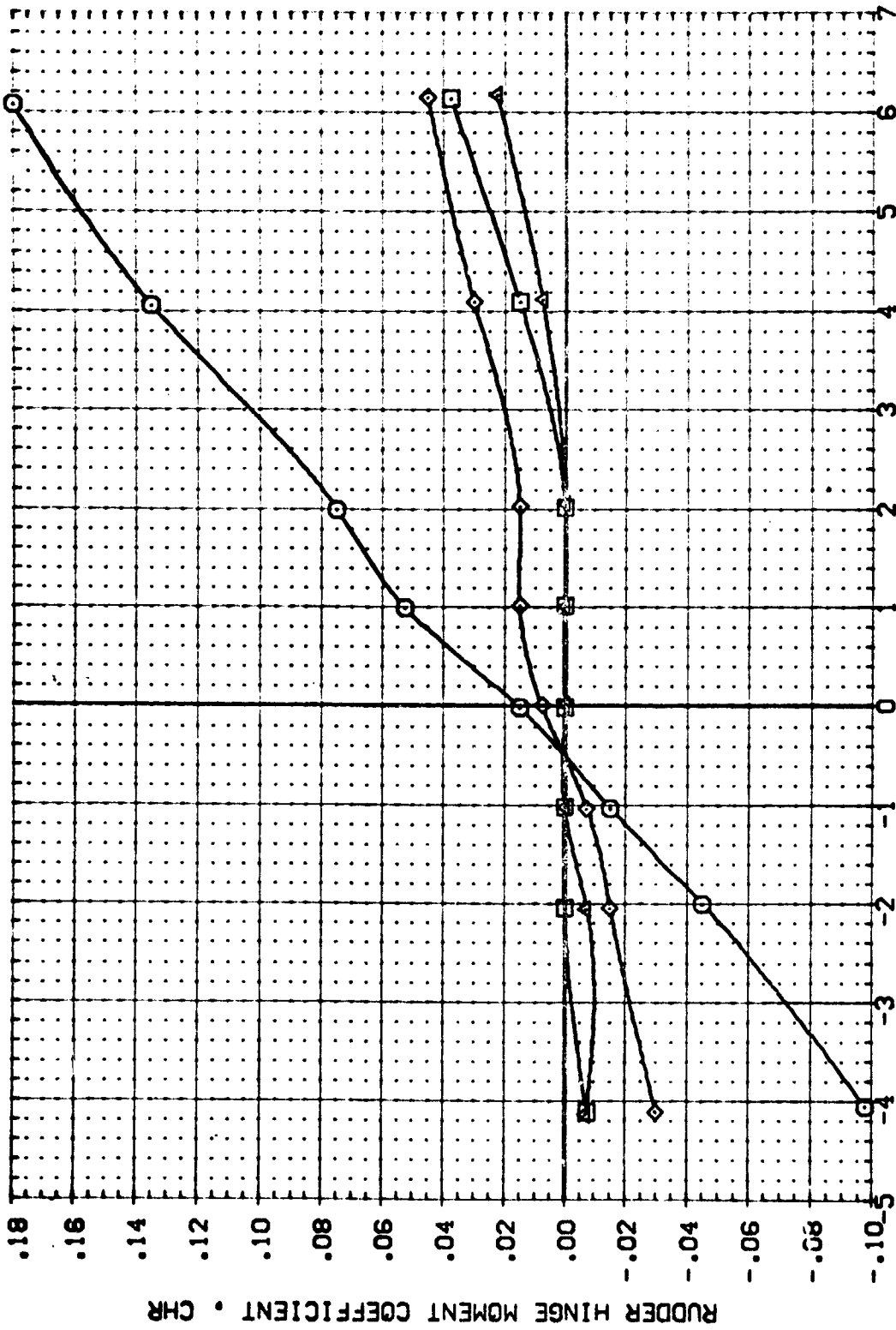


SIDESLIP ANGLE, BETA, DEGREES  
 RUDDER HINGE MOMENT (BETA SWEEP WITH CONSTANT ALPHA) -898 CONFIG

(A)MACH = 3.90

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RPM-014) O A14 UPVT 1035 CONF-2A 8100-7770-4187E | 8RSV5X16  
 (RPM-015) O A14 UPVT 1035 CONF-2A 8100-7770-4187E | 8RSV5X16  
 (RPM-016) X A14 UPVT 1035 CONF-2A 8100-7770-4187E | 8RSV5X16  
 (RPM-017) X A14 UPVT 1035 CONF-2A 8100-7770-4187E | 8RSV5X16

ALPHA BOFLAP SPDRBK RUDDER REFERENCE INFORMATION  
 .000 -14.250 54.920 .000 87.1560 50. IN.  
 20.000 -14.250 54.920 .000 7.1220 INCHES  
 30.000 -14.250 54.920 .000 14.0502 INCHES  
 40.000 -14.250 54.920 .000 13.1469 INCHES  
 ZTRP .0000 INCHES  
 SCALE .0150 INCHES



SIDESLIP ANGLE, BETA, DEGREES  
 RUDDER HINGE MOMENT (BETA SWEEP WITH CONSTANT ALPHA) -89B CONFIG  
 (B)MACH = 4.60

TABULATED DATA SOURCE

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

0A44 UPWT 1035 CONF-2A BLOCSDHSP APTETELORVSK16

(RPN08) ( 10 JUL 73 )

BREF = 97.1500 SQ. IN. XMRP = 13.1488 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

REFERENCE DATA

BETA = .000  
 ALTRON = .000  
 RUDER = .000  
 SPDRK = 34.920

PARAMETRIC DATA

RUN NO. 4/ 0 RW/L = 8.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	G(PSP)	CN	CA	CLM	CPL	CYN	CT	CAB	CAC
2.500	-4.616	-.00291	544.17558	-.19379	.13336	-.00060	-.00185	.00016	-.00009	.02471	-.00016
2.500	-2.441	-.00992	543.99834	-.06266	.13253	-.00420	-.00190	.00033	-.00013	.02530	-.00027
2.500	-1.420	-.00181	544.40804	-.09007	.13182	-.00874	-.00171	.00020	-.00097	.02536	-.00007
2.500	-.380	-.00513	544.09877	-.01336	.13131	-.01207	-.00168	.00036	-.00097	.02568	-.00017
2.500	.695	-.00121	544.30361	.01906	.13021	-.01480	-.00162	.00016	-.00103	.02569	-.00017
2.500	1.717	-.00091	544.40804	.09162	.12912	-.01714	-.00144	.00016	-.00106	.02563	-.00017
2.500	3.833	-.00375	544.30361	.12011	.12895	-.02292	-.00162	.00043	-.00190	.02568	-.00007
2.500	6.006	-.00327	544.27801	.19277	.12599	-.02953	-.00156	.00032	-.00118	.02613	-.00007
2.500	8.147	-.00239	544.39043	.29936	.12340	-.03315	-.00148	.00036	-.00205	.02670	-.00007
2.500	10.157	-.00132	544.35482	.32161	.12165	-.03615	-.00148	.00044	-.00291	.02893	-.00007
2.500	12.598	-.00063	543.86831	.40022	.11961	-.03615	-.00140	.00033	-.00223	.02702	-.00027
2.500	16.397	-.00275	544.22679	.54437	.11592	-.04322	-.00121	.00047	-.00244	.02698	-.00027
2.500	20.819	-.00797	544.17558	.70666	.11230	-.04932	-.00128	.00076	-.00266	.02643	-.00027
2.500	26.200	-.00475	543.94513	.92576	.10327	-.05078	-.00098	.00065	-.00460	.02697	-.00037
2.500	31.966	-.00685	543.69907	1.16030	.09670	-.07018	-.00070	.00000	-.00345	.02764	-.00027
2.500	36.937	.01511	543.94513	1.40427	.09296	-.06642	-.00052	-.00062	-.00073	.02855	-.00057
2.500	42.351	-.00643	544.40804	1.63490	.08904	-.10391	-.00063	.00075	-.00259	.02948	-.00056
2.500	44.345	-.01580	544.22679	1.75395	.08606	-.10976	-.00063	.00126	-.00275	.02963	-.00047
2.500	GRADIENT	.00016	.02737	.03235	-.00077	-.00262	.00002	.00002	-.00021	.00011	.00001

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

0A44 UPR1 1033 COMP-SA 810C507M0F40TE10R3V8X16

(RPM08) ( 10 JUL 73 )

REFERENCE DATA

MACH = 07.1940 30.1N. YMRP = 13.1488 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AIRCON = .000 RUDDER = .000  
 BIDFLAP = -14.230 SPOBRK = 54.920

RUN NO. & O RW/L = 2.30 GRADIENT INTERVAL = -5.00/ 3.00

MACH	ALPHA	BETA	Q (PSF)	CN	CA	CLM	CBL	CYN	CY	CAB	CAC
3.900	-4.346	-0.1097	375.95802	-1.11692	.10818	-.02240	-.00039	.00063	.00001	.01192	-.00009
3.900	-2.233	-0.1041	376.06433	-.07536	.10184	-.02090	-.00039	.00062	-.00006	.01192	-.00009
3.900	-1.245	-0.1044	376.06027	-.03465	.10017	-.02069	-.00039	.00061	-.00009	.01192	-.00009
3.900	-.197	-0.1026	375.90790	-.03102	.09839	-.02111	-.00036	.00061	-.00012	.01192	-.00009
3.900	.640	-.00968	376.06433	-.00742	.09720	-.02134	-.00037	.00091	-.00129	.01192	-.00009
3.900	1.808	-0.1337	376.14848	.01026	.09663	-.02213	-.00037	.00119	-.00130	.01192	-.00009
3.900	3.887	-0.1313	376.14848	.01984	.09459	-.02229	-.00041	.00106	-.00084	.01192	-.00009
3.900	5.912	-0.1255	376.01219	.10637	.09308	-.02316	-.00030	.00116	-.00148	.01192	-.00009
3.900	8.107	-0.1210	376.10038	.18445	.09191	-.02484	-.00045	.00114	-.00191	.01206	.00001
3.900	10.096	-0.1164	375.98809	.22260	.09107	-.02949	-.00047	.00112	-.00159	.01220	.00020
3.900	12.436	-0.1122	375.98809	.29436	.09093	-.03233	-.00047	.00097	-.00033	.01239	.00003
3.900	16.370	-0.0989	375.91167	.42390	.09207	-.03643	-.00069	.00104	-.00166	.01239	.00003
3.900	20.459	-0.0853	376.06027	.57334	.09223	-.03928	-.00090	.00097	-.00209	.01239	.00003
3.900	25.790	-0.0655	376.02017	.77838	.09251	-.04023	-.00065	.00086	-.00246	.01239	.00003
3.900	31.034	-0.0520	375.91592	1.00582	.09219	-.04722	-.00124	.00173	-.00363	.01239	-.00009
3.900	36.316	-0.0367	375.98809	1.24220	.09171	-.05742	-.00093	.00112	-.00201	.01244	-.00023
3.900	41.515	-0.0245	376.02017	1.48702	.09179	-.07422	-.00062	.00101	-.00236	.01244	-.00023
3.900	43.775	-0.0057	376.06027	1.99066	.08319	-.08319	-.00068	.00097	-.00230	.01186	-.00039
	GRADIENT	-.00031	.02128	.02141	-.00136	-.00007	-.00000	.00004	-.00011	-.00000	.00000

0444 UPRT 1033 COMP-SA 810C907WRP 4047E18R09V9110

(RPHASE) ( 10 JUL 75 )

REFERENCE DATA

BREF = 07.1500 94.1IN. YMRP = 13.5000 INCHES  
 LREF = 7.1250 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ALLROR = .000 RLODER = .000  
 SDFLAP = -14.250 SPOBRK = 54.980

RUN NO. 15/ 0 RIVL = 2.50 GRADIENT INTERVAL = -9.00/ 9.00

MAOH	ALPHA	BETA	Q (P87)	C1	CA	CLM	CLB	CYM	CY	CAB	CAC
4.000	-3.907	.00481	294.48931	-.09856	.10096	-.02731	-.00043	.00157	-.00136	.00839	.00007
4.000	-1.931	.00308	294.48931	-.03494	.09479	-.02637	-.00064	.00156	-.00142	.00663	-.00011
4.000	-.930	.00350	294.48931	-.03806	.09289	-.02639	-.00084	.00155	-.00144	.00621	-.00011
4.000	.223	.00335	294.48931	-.01715	.09031	-.02479	-.00063	.00169	-.00293	.00639	.00007
4.000	1.243	.00368	294.48931	.00176	.08881	-.02476	-.00062	.00169	-.00296	.00621	-.00011
4.000	2.188	.00391	294.48931	.02044	.08603	-.02487	-.00062	.00166	-.00299	.00621	-.00011
4.000	4.274	.00613	294.48931	.06301	.08301	-.02487	-.00063	.00166	-.00303	.00610	-.00011
4.000	6.307	.00647	294.48931	.11312	.08263	-.02523	-.00069	.00163	-.00312	.00663	-.00011
4.000	8.441	.00683	294.48931	.16494	.08142	-.02652	-.00057	.00163	-.00321	.00663	-.00011
4.000	10.414	.00714	294.48931	.22015	.08007	-.03190	-.00075	.00161	-.00324	.00663	-.00011
4.000	12.084	.00765	294.48931	.28363	.07908	-.03209	-.00059	.00159	-.00337	.00663	-.00011
4.000	16.833	.00841	294.48931	.41332	.08176	-.03503	-.00056	.00159	-.00213	.00663	-.00011
4.000	20.734	.00934	294.48931	.56032	.08393	-.03507	-.00072	.00133	-.00236	.00663	-.00011
4.000	23.869	.01124	294.48931	.75714	.08373	-.03707	-.00066	.00139	-.00417	.00667	-.00030
4.000	31.148	.00916	294.48931	.97997	.08393	-.04330	-.00098	.00196	-.00445	.00667	-.00030
4.000	36.332	.01088	294.48931	1.20275	.08710	-.05699	-.00063	.00142	-.00337	.00906	-.00011
4.000	41.542	.01576	294.48931	1.43670	.08154	-.07315	-.00031	.00092	-.00229	.00663	-.00011
4.000	43.636	.01284	294.48931	1.52443	.07673	-.08300	-.00029	.00129	-.00360	.00643	-.00030
4.000	GRADIENT	.00017	-.00030	.01930	-.00190	.00036	.00000	.00002	-.00027	-.00003	-.00002



0444 UPWT 1035 COMF-2A 810C307M3FAW07E18R5V9X18

PARAMETRIC DATA

BETA = 3.000 ELEVTR = .000  
 ALLKON = .000 RUDDER = .000  
 BDPLAP = -14.250 SPDBRK = 54.920

REFERENCE DATA

MAEF = 67.1580 50.1N. XMRP = 13.1488 INCHES  
 LMRP = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0382 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0130 SCALE

RUN NO. 5/ 0 RVL = 2.51 GRADIENT INTERVAL = -5.00/ 9.00

MACH	ALPHA	BETA	Q (PSF)	CN	CA	CLM	CBL	CYN	CY	CAB	CAC
2.500	-4.615	3.06936	544.35462	-1.5098	.13305	-.00342	-.00280	.00271	-.06211	.02350	-.00017
2.500	-2.490	3.06865	544.71331	-.07749	.13367	-.00922	-.00275	.00221	-.03742	.02567	-.00027
2.500	-1.363	3.07244	544.96938	-.04280	.13332	-.01129	-.00275	.00184	-.03566	.02637	-.00007
2.500	-.333	3.07597	544.20119	-.00824	.13262	-.01313	-.00259	.00149	-.03441	.02624	-.00017
2.500	.786	3.07576	544.32922	.02677	.13126	-.01715	-.00190	.00125	-.03219	.02625	-.00017
2.500	1.722	3.07597	544.43164	.05695	.12992	-.02019	-.00232	.00123	-.03209	.02619	-.00017
2.500	3.624	3.07984	544.35492	.12352	.12831	-.02475	-.00298	.00095	-.03053	.02628	-.00017
2.500	6.002	3.08012	544.66209	.19605	.12616	-.03044	-.00327	.00067	-.04696	.02644	-.00017
2.500	8.166	3.08062	544.61088	.26657	.12394	-.03486	-.00396	.00055	-.04816	.02672	-.00017
2.500	10.190	3.08452	544.68770	.33295	.12232	-.03866	-.00443	.00017	-.04660	.02720	-.00027
2.500	12.543	3.08902	544.48265	.40908	.12037	-.04122	-.00459	-.00005	-.04668	.02742	-.00027
2.500	16.630	3.11609	545.09739	.53259	.11658	-.04645	-.00523	-.00147	-.04675	.02708	-.00017
2.500	20.622	3.17454	544.45729	.71604	.11169	-.05172	-.00421	-.00334	-.04020	.02711	-.00037
2.500	26.156	3.23154	544.69255	.93198	.10508	-.05862	-.00450	-.00950	-.03996	.02749	-.00027
2.500	31.567	3.24378	544.43164	1.16623	.09962	-.07027	-.00522	-.00905	-.04079	.02809	-.00017
2.500	36.951	3.15411	544.40604	1.41109	.09363	-.06596	-.00989	-.00403	-.04168	.02898	-.00066
2.500	42.418	3.18200	544.56528	1.65591	.08767	-.10043	-.00612	-.00618	-.03569	.02892	-.00066
2.500	44.596	3.19730	544.91815	1.75007	.08409	-.10428	-.00399	-.00745	-.03157	.02864	-.00066
2.500	GRADIENT	.00134	.02584	.03247	-.00093	-.00256	.00002	-.00023	.00136	.00009	.00000

DATE 30 OCT 74

TABULATED SOURCE DATA - OA44

PAGE 8

OA44 UPWT 1033 CONF-2A 810C507H3F640TE10R3V5X16

(RPM03) ( 10 JUL 73 )

REFERENCE DATA

BREF = 07.1560 94.14, XMRP = 13.1466 INCHES  
 LREF = 7.1220 INCHES, YMRP = .0000 INCHES  
 BREF = 14.0302 INCHES, ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = 3.000 ELEVTR = .000  
 AIRLON = .000 RUDDER = .000  
 BDPLAP = -14.230 SPDRK = 34.950

RUN NO. 7/ 0 RW/L = 2.30 GRADIENT INTERVAL = -3.00/ 3.00

MACH	ALPHA	BETA	Q (PSF)	CN	CA	CLM	CM	CYH	CY	CAB	CAC
3.900	-4.361	3.02966	376.16452	-11666	.10769	-.02396	-.00121	.00272	-.03229	.01192	-.00009
3.900	-2.265	3.02237	375.99811	-.07226	.10349	-.02297	-.00160	.00304	-.05004	.01192	-.00009
3.900	-1.196	3.02219	375.96809	-.03142	.10165	-.02157	-.00167	.00260	-.04778	.01192	-.00009
3.900	-.162	3.02216	375.93998	-.03075	.09997	-.02145	-.00223	.00267	-.04663	.01192	-.00009
3.900	.646	3.01632	375.96007	-.00712	.09653	-.02169	-.00232	.00263	-.04346	.01211	-.00023
3.900	1.622	3.01967	376.03225	.01637	.09723	-.02362	-.00276	.00262	-.04347	.01223	-.00009
3.900	3.699	3.01865	376.13244	.03997	.09433	-.02369	-.00316	.00237	-.04319	.01223	-.00009
3.900	5.632	3.02246	376.17254	.11217	.09323	-.02716	-.00359	.00216	-.04207	.01211	-.00023
3.900	6.072	3.02273	376.09235	.16730	.09163	-.02845	-.00367	.00202	-.04096	.01223	-.00009
3.900	10.032	3.03024	376.12442	.22264	.09066	-.03113	-.00427	.00132	-.03966	.01239	-.00005
3.900	12.390	3.03432	376.15450	.29437	.09206	-.03274	-.00464	.00099	-.03861	.01232	-.00023
3.900	16.333	3.04977	376.09433	.42665	.09182	-.03739	-.00524	-.00040	-.03761	.01232	-.00023
3.900	20.469	3.07236	376.03223	.57367	.09290	-.03646	-.00522	-.00237	-.03592	.01244	-.00023
3.900	23.717	3.09955	376.09235	.77676	.09224	-.04201	-.00437	-.00465	-.03400	.01296	-.00009
3.900	31.012	3.07664	375.99811	1.00373	.09259	-.04644	-.00690	-.00247	-.03247	.01277	-.00023
3.900	36.233	3.09620	376.01213	1.23432	.09167	-.05660	-.00677	-.00444	-.03319	.01244	-.00023
3.900	41.564	3.10666	375.91392	1.48793	.08679	-.07099	-.00632	-.00365	-.02906	.01230	-.00036
3.900	43.792	3.11631	376.03225	1.59167	.06269	-.07941	-.00603	-.00666	-.02700	.01169	-.00036
GRADIENT		-.00126	-.00069	.02131	-.00160	-.00003	-.00023	-.00002	.00111	.00003	-.00000

0A44 UPM1 1033 COMP-2A B10C307M37A07E10R3V816

(RPM03) ( 10 JUL 73 )

REFERENCE DATA

WREP = 97.1900 36.1N. WREP = 13.1499 INCHES  
 LREP = 7.1220 INCHES YREP = .0000 INCHES  
 WREP = 14.0302 INCHES ZREP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = 3.0000 ELEVTR = .000  
 AIRLON = .0000 RUDDER = .000  
 SDPLAP = -14.230 SPDRK = 54.920

RUN NO. 13/ 0 RW/L = 2.90 GRADIENT INTERVAL = -3.00/ 3.00

MACH	ALPHA	BETA	Q (PSF)	CN	CA	CLM	CBL	CYN	CY	CAB	CAC
4.800	-3.913	3.01262	294.48931	-.09512	.10221	-.02779	-.00093	.00317	-.04933	.00863	-.00011
4.800	-1.833	3.01271	294.48931	-.03723	.09729	-.02819	-.00143	.00286	-.04845	.00863	-.00011
4.800	-.839	3.01293	294.06008	-.03844	.09433	-.02423	-.00139	.00265	-.04632	.00863	-.00011
4.800	.218	3.01260	294.48931	-.01572	.09249	-.02331	-.00208	.00269	-.04498	.00863	-.00030
4.800	1.230	3.00910	294.48931	.00314	.09033	-.02334	-.00241	.00269	-.04351	.00863	-.00011
4.800	2.222	3.00923	294.48931	.02572	.08669	-.02810	-.00237	.00288	-.04352	.00863	-.00011
4.800	4.263	3.00932	294.06008	.06633	.08398	-.02698	-.00294	.00273	-.04214	.00863	-.00011
4.800	6.289	3.01308	294.06008	.11077	.08375	-.02875	-.00330	.00220	-.04072	.00863	-.00011
4.800	8.499	3.02036	294.06008	.16680	.08187	-.02713	-.00335	.00117	-.03791	.00863	-.00011
4.800	10.398	3.02433	294.06008	.21830	.08157	-.03021	-.00334	.00079	-.03796	.00863	-.00011
4.800	12.714	3.02825	294.06008	.28745	.08115	-.03277	-.00370	.00026	-.03659	.00867	-.00030
4.800	16.604	3.03989	294.48931	.41463	.08313	-.03569	-.00431	-.00102	-.03324	.00867	-.00030
4.800	20.715	3.05171	294.06008	.56169	.08443	-.03373	-.00461	-.00231	-.03408	.00867	-.00030
4.800	23.864	3.06408	294.48931	.73841	.08610	-.03536	-.00473	-.00346	-.03433	.00906	-.00011
4.800	31.126	3.05835	294.48931	.97716	.08674	-.04399	-.00598	-.00285	-.03447	.00906	-.00011
4.800	38.308	3.06686	294.48931	1.20022	.08638	-.05694	-.00597	-.00396	-.03189	.00867	-.00030
4.800	41.566	3.07904	294.48931	1.43789	.08103	-.07385	-.00548	-.00348	-.02937	.00867	-.00030
4.800	43.630	3.07904	294.48931	1.52175	.07598	-.09314	-.00518	-.00373	-.02652	.00867	-.00030
GRADIENT		-.00057	-.02379	.01989	-.00201	.00011	-.00028	-.00004	.00066	-.00000	-.00000

DATA INPUT 1035 COMP-2A B10C307MSF0407E10R3V3X16

(RPM04) ( 10 JUL 73 )

REFERENCE DATA

MREF = 87.1500 SQ. IN. ZMRP = 13.1488 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 WREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

BETA = .000 ELEVTR = -40.000  
 ALLCON = .000 RUDDER = .000  
 SDFLAP = -14.250 SPOBRK = 54.920

PARAMETRIC DATA

RUN NO. 16/ 0 RW/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Theta (PRP)	CM	CA	CLM	CBL	CYM	CY	CAB	CAC
2.000	-4.711	-.06016	543.27936	-2.6274	.16496	.05572	-.00043	.00126	-.00213	.02415	-.00017
2.000	-2.581	.03314	543.35680	-.19155	.16223	.05211	-.00180	-.00090	-.00212	.02354	-.00027
2.000	-1.323	.03317	543.71488	-.13683	.15936	.04833	-.00180	-.00059	-.00133	.02349	-.00018
2.000	-.406	.03347	543.53564	-.11814	.15667	.04580	-.00171	-.00060	-.00136	.02377	-.00017
2.000	.992	.03407	543.91932	-.08567	.15436	.04220	-.00161	-.00045	-.00296	.02412	-.00017
2.000	1.633	.03794	543.68347	-.04710	.15114	.03771	-.00177	-.00066	-.00296	.02417	-.00017
2.000	3.747	.03498	543.61710	.02156	.14471	.03007	-.00107	-.00039	-.00366	.02422	-.00017
2.000	5.631	.02622	543.66831	.09015	.13970	.02236	-.00081	-.00002	-.00391	.02508	-.00017
2.000	6.077	.02514	543.63766	.16493	.13596	.01614	-.00042	.00023	-.00477	.02370	-.00017
2.000	10.129	.02583	543.76569	.23572	.13361	.01322	-.00034	.00005	-.00329	.02376	-.00027
2.000	12.323	.02707	543.99634	.31366	.13049	.01033	-.00032	.00016	-.00496	.02627	-.00007
2.000	16.464	.01794	544.04733	.43010	.12333	.00732	-.00024	.00079	-.00394	.02664	-.00017
2.000	20.615	.02354	544.17356	.61255	.11976	.00761	-.00031	.00044	-.00342	.02647	-.00017
2.000	26.147	.02676	544.12437	.81777	.11190	.01099	-.00044	.00090	-.00734	.02692	-.00027
2.000	31.336	.04020	543.97074	1.03654	.10315	.00729	.00009	-.00042	-.00333	.02917	.00003
2.000	36.670	.04286	544.25240	1.26066	.09480	.00418	-.00017	-.00081	-.00302	.02915	-.00017
2.000	42.334	.01078	543.91932	1.49966	.08778	.00191	-.00126	.00126	-.00800	.05666	-.00027
2.000	44.331	.02305	544.32922	1.98765	.08813	.00543	-.00036	.00046	-.00463	.01923	-.00027
2.000	GRADIENT	.00342	.06661	.03374	-.00244	-.00310	-.00003	-.00016	-.00023	.00003	.00000

DATA INPUT 1033 COMP-2A BLOC507MFP4407E10R3V3X16

(RPM04) ( 10 JUL 73 )

REFERENCE DATA

BREF = 67.1500 66.14. XMRP = 13.1488 INCHES  
 LREF = 7.1280 INCHES YMRP = .0000 INCHES  
 SREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -40.000  
 ATURCH = .000 RUDDEN = .000  
 SDPLAP = -14.250 SPOBRK = 54.920

RUN NO. 18/ 0 RW/L = 2.50 GRADIENT INTERVAL = -3.00/ 3.00

MAOH	ALPHA	BETA	Q (PSF)	CN	CA	CLM	CBL	CYN	CY	CAB	CAC
3.900	-4.410	.01582	375.94007	-1.7946	.12877	.01337	-.00017	.00003	.00199	.01164	-.00009
3.900	-2.283	.01614	375.93602	-.12921	.12097	.01213	-.00004	.00002	.00194	.01153	.00003
3.900	-1.266	.01627	375.93196	-.10362	.11723	.01051	.00009	.00002	.00191	.01153	.00003
3.900	-.218	.01644	375.92807	-.08196	.11466	.01012	.00.79	.00001	.00188	.01153	.00003
3.900	.857	.01658	376.74423	-.05842	.11234	.00845	-.00003	.00000	.00187	.01143	.00003
3.900	1.793	.01683	375.93998	-.03484	.11056	.00803	-.00001	.00011	.00071	.01172	-.00009
3.900	3.051	.01729	376.03621	.01160	.10701	.00563	-.00001	.00010	.00066	.01167	.00006
3.900	5.919	.01402	375.91592	.06098	.10444	.00265	.00012	.00036	.00060	.01203	-.00009
3.900	8.069	.01450	376.07017	.11833	.10290	.00233	.00000	.00034	.00053	.01208	-.00009
3.900	10.060	.01494	376.07831	.17153	.10216	-.00059	.00013	.00032	.00044	.01247	-.00009
3.900	12.385	.01916	376.06829	.24037	.10078	-.00253	.00015	.00002	.00033	.01247	-.00009
3.900	16.378	.01670	376.02819	.36711	.09695	-.00163	-.00009	.00025	.00015	.01269	.00006
3.900	20.464	.02192	376.03225	.50836	.09687	.00276	-.00006	.00002	-.00127	.01269	.00006
3.900	25.730	.02394	376.02017	.69933	.09667	.01033	-.00003	-.00007	-.00167	.01269	.00006
3.900	30.956	.01529	377.80365	.90733	.09486	.01336	-.00063	.00077	-.00299	.01269	.00006
3.900	36.211	.02434	376.06027	1.12645	.09324	.01730	-.00012	-.00017	-.00075	.01269	.00006
3.900	41.487	.02771	376.01215	1.35769	.08763	.01749	-.00011	-.00017	-.00043	.01180	-.00009
3.900	43.645	.03140	375.93196	1.44756	.08299	.01254	.00004	-.00067	-.00065	.01131	-.00009
3.900	GRADIENT	.00019	.00709	.02309	-.00261	-.00093	.00001	.00001	-.00018	.00003	.00001

0A44 UPRT 1035 CONF-2A B10C907M3F4MATE10R9V5X16

(RPM04) ( 10 JUL 73 )

REFERENCE DATA

WREF = 07.1900 IN. YMRP = 13.1489 INCHES  
 LREF = 7.1200 INCHES YMRP = .0000 INCHES  
 WREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

BETA = .000 ELEVTR = -40.000  
 ATLRON = .000 FLUORR = .000  
 BOP LAP = -14.230 SPOBRK = 34.920

PARAMETRIC DATA

RUN NO. 20/ 0 RIV/L = 2.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	0(PSP)	CN	CA	CLM	CLL	CYM	CY	CAB	CAC
4.000	-3.076	.01216	294.24346	-1.0192	.12477	.00915	.00012	.00035	.00119	.00424	.00007
4.000	-1.040	.01241	294.24346	-1.1044	.11627	.00795	.00013	.00034	.00116	.00434	.00007
4.000	-.928	.01290	294.24346	-.09037	.11131	.00486	.00013	.00034	.00115	.00434	.00007
4.000	.801	.01643	294.24346	-.04779	.10812	.00420	.00015	.00032	-.00033	.00424	.00007
4.000	1.224	.01293	294.24346	-.04313	.10344	.00390	.00015	.00047	-.00033	.00434	-.00011
4.000	2.187	.01307	294.24346	-.02423	.10313	.00346	.00015	.00047	-.00037	.00434	-.00011
4.000	4.244	.01335	294.24346	.01803	.09901	.02167	.00016	.00045	-.00042	.00477	.00007
4.000	6.203	.01364	294.24346	.04803	.09545	-.00099	.00016	.00044	-.00047	.00496	-.00011
4.000	8.343	.01403	294.24346	.12164	.09241	-.00163	.00017	.00042	-.00055	.00496	-.00011
4.000	10.316	.01436	294.24346	.17394	.09061	-.00336	.00018	.00040	-.00043	.00490	-.00011
4.000	12.600	.01468	294.24346	.23301	.08990	-.00367	.00020	.00073	-.00216	.00430	.00007
4.000	16.008	.01576	294.24346	.33932	.08871	-.00393	.00020	.00033	-.00094	.00430	.00007
4.000	20.047	.02075	294.24346	.49636	.08999	.00302	.00008	.00028	-.00269	.00430	.00007
4.000	25.093	.01866	293.81023	.68296	.09042	.00934	.00026	.00033	-.00308	.00929	.00007
4.000	31.176	.01646	294.24346	.88303	.08932	.01412	-.00032	.00078	-.00325	.00430	.00007
4.000	34.310	.02187	294.24346	1.09208	.08987	.01690	-.00019	.00012	-.00164	.00911	-.00011
4.000	41.489	.02724	294.24346	1.30434	.09416	.01673	.00019	-.00039	-.00146	.00987	.00007
4.000	43.641	.02411	294.24346	1.38843	.07832	.00752	.00016	-.00009	-.00126	.00848	-.00011
4.000	GRADIENT	.00015	-.00000	.02192	-.00313	-.00093	.00001	.00002	-.00026	.00007	-.00001

DATA UNIT 1033 COMP-DA B10C5070470470103310

(RMADS) ( 10 JUL 75 )

REFERENCE DATA

WRF = 07.190 90.1M. YMRP = 13.1400 INCHES  
 LWF = 7.1200 INCHES YMRP = .0000 INCHES  
 WRF = 14.9902 INCHES ZMRP = 0.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = 10.000  
 ATURON = .000 RUDDER = .000  
 BOPLAP = 13.730 SPOBRK = 54.920

RUN NO. 21/ 0 RM/L = 2.90 GRADIENT INTERVAL = -.9.00/ 3.00

MA01	ALPHA	BETA	Q(PSP)	CN	CA	CLM	CEB	CYN	CY	CAB	CAC
2.900	-4.833	.00886	543.97074	-.11729	.13660	-.03484	-.00146	.00071	-.00151	.02333	-.00017
2.900	-2.421	.00963	544.23240	-.04198	.13613	-.04097	-.00127	.00217	-.00238	.02334	-.00017
2.900	-1.408	.01030	544.07316	-.00936	.13646	-.04444	-.00133	.00094	-.00316	.02333	-.00017
2.900	-.232	.01045	544.04755	.02909	.13614	-.04816	-.00133	.00073	-.00243	.02382	-.00017
2.900	.794	.01087	543.71468	.05732	.13732	-.03171	-.00133	.00074	-.00243	.02363	-.00017
2.900	1.722	.01439	543.68347	.09004	.13712	-.03518	-.00123	.00034	-.00249	.02338	-.00017
2.900	3.043	.01190	543.99634	.15838	.13627	-.04385	-.00106	.00097	-.00412	.02391	-.00007
2.900	6.007	.01236	543.99634	.23491	.13648	-.07417	-.00097	.00077	-.00339	.02831	-.00007
2.900	8.168	.01322	544.14998	.30328	.13506	-.06190	-.00113	.00062	-.00422	.02701	-.00017
2.900	10.161	.01369	544.14998	.37187	.13590	-.06810	-.00093	.00093	-.00430	.02893	-.00027
2.900	12.332	.01469	544.37801	.43332	.13531	-.09693	-.00093	.00093	-.00316	.02720	-.00017
2.900	16.376	.02290	543.91952	.61158	.13543	-.11334	-.00083	.00099	-.00332	.02874	-.00007
2.900	20.812	.01483	543.97074	.77929	.13770	-.12968	-.00098	.00092	-.00349	.02733	-.00027
2.900	26.238	.01037	544.22673	1.01699	.13633	-.13233	-.00094	.00128	-.00633	.02777	-.00017
2.900	31.686	.03180	544.43164	1.26762	.13882	-.18231	-.00030	.00019	-.00681	.02863	-.00017
2.900	37.054	.02709	544.17536	1.53173	.13978	-.21646	-.00030	.00010	-.00362	.02933	-.00027
2.900	42.324	.01646	544.32922	1.81794	.14037	-.26297	-.00033	.00046	-.00309	.03067	-.00007
2.900	46.323	.00782	543.94313	1.96927	.13709	-.23598	-.00070	.00107	-.00276	.03047	-.00027
GRADIENT	.00748	-.03204	.03229	-.00029	-.00341	-.00341	.00004	.00000	-.00322	.00303	-.00201



0A44 JPWT 1035 CONF-2A 810C8D7M3P4M7E10R1SV3X16

(RPM403) ( 10 JUL 73 )

REFERENCE DATA

BREF = 87.1500 SQ. IN. XMRP = 13.1469 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0130 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = 10.000  
 AILRON = .000 RUDDER = .000  
 BDFLAP = 13.750 SPOBRK = 34.920

RUN NO. 22/ 0 RIVL = 2.50 GRADIENT INTERVAL = -.5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CN	CA	CLM	CBL	CYN	CY	CAB	CAC
3.900	-4.418	.01584	376.23273	-1.0494	.10688	-.03497	-.00062	.00039	-.00106	.01229	-.00009
3.900	-2.277	.01582	376.12442	-.06145	.10420	-.03393	-.00050	.00026	.00000	.01229	-.00009
3.900	-1.269	.01617	375.85978	-.03801	.10285	-.03566	-.00061	.00037	-.00115	.01229	-.00009
3.900	-.201	.01633	375.65978	-.01441	.10196	-.03737	-.00049	.00036	-.00119	.01229	-.00009
3.900	.929	.01653	375.64374	.00921	.10068	-.03779	-.00061	.00036	-.00121	.01229	-.00009
3.900	1.923	.01305	375.81167	.02984	.10002	-.03699	-.00061	.00063	-.00122	.01229	-.00009
3.900	3.868	.01336	375.80365	.07903	.09935	-.04460	-.00060	.00062	-.00126	.01229	-.00009
3.900	5.899	.01376	375.86780	.13127	.09919	-.04951	-.00047	.00060	-.00133	.01229	-.00009
3.900	8.147	.01419	375.85978	.19216	.09914	-.05611	-.00046	.00038	-.00139	.01243	-.00003
3.900	10.124	.01461	376.03621	.25569	.10064	-.06459	-.00056	.00036	-.00143	.01262	-.00009
3.900	12.489	.01516	376.05225	.33001	.10228	-.07284	-.00045	.00054	-.00152	.01262	-.00009
3.900	16.368	.01257	376.02017	.47033	.10654	-.08773	-.00069	.00077	-.00163	.01262	-.00009
3.900	20.474	.01744	375.99611	.63127	.11081	-.10408	-.00066	.00043	-.00162	.01246	-.00023
3.900	23.902	.01945	376.02819	.85274	.11914	-.12590	-.00062	.00045	-.00323	.01235	-.00003
3.900	30.949	.01067	376.09235	1.09331	.12619	-.15159	-.00133	.00129	-.00441	.01262	-.00009
3.900	36.335	.01639	376.04423	1.35528	.13331	-.17933	-.00061	.00073	-.00316	.01276	-.00003
3.900	41.493	.01666	376.03821	1.81708	.13752	-.20819	-.00103	.00056	-.00296	.01248	-.00023
3.900	43.777	.01934	376.02017	1.72648	.13597	-.22426	-.00078	.00039	-.00174	.01248	-.00023
3.900	GRADIENT	-.00032	-.05809	.02222	-.00110	-.00116	-.00000	.00004	-.00008	.00000	-.00000

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



0A44 UPMV 1033 COMP-8A 810C307MSP A407E1MR8V9X16

(RPN003) ( 10 JUL 73 )

REFERENCE DATA

BRP = 87.1500 80.1IN. XMRP = 13.1469 INCHES  
 LREF = 7.1250 INCHES YMRP = .0000 INCHES  
 BRP = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0130 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = 10.000  
 AIRCON = .000 RUDDER = .000  
 BDFLAP = 13.730 SPDBRK = 54.920

RUN NO. 23/ 0 RVL = 2.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CN	CA	CLM	CLL	C/M	CY	CAB	CAC
4.600	-3.888	.01546	294.49383	-.09679	.10410	-.03400	-.00017	.00038	.00009	.00868	-.00011
4.600	-1.763	.01590	294.49383	-.03530	.09869	-.03487	.00001	.00049	-.00147	.00868	-.00011
4.600	-.858	.01802	294.49383	-.03846	.09870	-.03470	-.00019	.00049	-.00148	.00868	-.00011
4.600	.196	.01253	294.49383	-.01365	.09470	-.03541	-.00015	.00084	-.00150	.00868	-.00011
4.600	1.238	.01265	294.49383	.00866	.09348	-.03779	-.00019	.00083	-.00151	.00868	-.00011
4.600	2.146	.01279	294.49383	.02755	.09266	-.03788	-.00015	.00083	-.00154	.00868	-.00011
4.600	4.276	.01307	294.49383	.07166	.09121	-.04140	-.00014	.00081	-.00159	.00876	-.00011
4.600	6.294	.01340	294.49383	.12339	.09024	-.04477	-.00013	.00080	-.00165	.00858	-.00011
4.600	8.492	.01371	294.49383	.18226	.08961	-.05283	-.00013	.00078	-.00170	.00868	-.00011
4.600	10.395	.01403	294.49383	.24116	.09032	-.06096	-.00012	.00077	-.00174	.00868	-.00030
4.600	12.675	.01446	294.49383	.31364	.09208	-.06880	-.00011	.00074	-.00162	.00892	-.00030
4.600	16.636	.01534	294.49383	.45549	.09817	-.08389	-.00025	.00069	-.00197	.00892	-.00030
4.600	20.758	.01640	294.49383	.61219	.10453	-.09541	-.00039	.00063	-.00217	.00910	-.00011
4.600	25.868	.01777	294.49383	.82761	.11248	-.11839	-.00052	.00055	-.00239	.00910	-.00011
4.600	30.947	.02100	294.49383	1.03344	.11989	-.14509	-.00096	.00131	-.00392	.00910	-.00011
4.600	36.383	.01720	294.49383	1.30834	.12866	-.17680	-.00063	.00064	-.00214	.00910	-.00011
4.600	41.535	.01975	294.49383	.53238	.13171	-.20934	-.00044	.00048	-.00178	.00892	-.00030
4.600	43.669	.01543	294.49383	1.65090	.12993	-.22971	-.00029	.00064	-.00012	.00868	-.00011
GRADIENT		-.00045	.00000	.02076	-.00158	-.00082	-.00000	.00007	-.00016	.00001	.00002



0A44 UPWT 1033 COMP-2A 910C907M9P46JTE10R3V5X16

(RPM08) ( 10 JUL 75 )

REFERENCE DATA

WREF = 67.1360 90.1IN. XMRP = 13.1469 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AIRCON = .000 RUDDER = .000  
 BOFLAP = 13.750 SPDRBK = 54.920

RUN NO. 24/ 0 RIV/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CN	CA	CLM	CBL	CYN	CY	CAB	CAC
2.500	-4.368	.02030	543.25377	-.14686	.13434	-.01397	-.00171	.00021	-.00236	.02485	-.00008
2.500	-2.446	.02111	542.92090	-.07583	.13317	-.01926	-.00176	.00026	-.00322	.02501	-.00008
2.500	-1.427	.02142	543.02332	-.03868	.13227	-.02236	-.00152	.00026	-.00328	.02496	-.00008
2.500	-.324	.02131	543.20256	-.00429	.13161	-.02640	-.00161	.00017	-.00250	.02520	-.00007
2.500	.716	.02233	543.46422	.02614	.13105	-.02940	-.00149	.00040	-.00490	.02520	-.00007
2.500	1.697	.02221	543.10014	.05871	.13016	-.03246	-.00159	.00023	-.00334	.02519	-.00007
2.500	3.804	.02298	543.56104	.12321	.12987	-.04026	-.00140	.00029	-.00419	.02544	-.00007
2.500	5.936	.02343	542.94650	.19812	.12756	-.04606	-.00132	.00019	-.00347	.02558	-.00007
2.500	8.146	.02431	543.86631	.27035	.12639	-.05482	-.00136	.00024	-.00431	.02636	-.00017
2.500	10.174	.02133	542.94650	.33337	.12303	-.06021	-.00121	.00042	-.00439	.02616	-.00017
2.500	12.528	.02580	543.43301	.41307	.12396	-.06665	-.00137	.00011	-.00367	.02683	-.00037
2.500	16.567	.02355	543.20256	.55956	.12174	-.07801	-.00101	.00023	-.00367	.02728	-.00017
2.500	20.819	.02215	544.14998	.73236	.12197	-.08972	-.00116	.00045	-.00464	.02801	-.00037
2.500	26.108	.02136	543.56104	.95997	.11909	-.10548	-.00121	.00063	-.00590	.02844	-.00027
2.500	31.930	.03516	543.55344	1.19597	.11360	-.12842	-.00041	-.00014	-.00545	.02844	-.00027
2.500	36.930	.03606	543.66907	1.44368	.11032	-.15036	-.00030	-.00046	-.00369	.02915	-.00037
2.500	42.336	.02343	544.04755	1.70642	.10823	-.17698	-.00063	.00034	-.00362	.03024	-.00037
2.500	44.344	.01030	543.66347	1.60630	-.10636	-.18079	-.00055	.00097	-.00307	.03029	-.00037
GRADIENT	.06031	.04679	.03228	-.00066	-.00316	-.00316	.00004	.00001	-.00021	.00007	.00000



0A44 UPMT 1033 CONF-2A 810C507M3F4407E10R5V3X16

(RPM06) ( 10 JUL 75 )

REFERENCE DATA

BREF = 87.1360 SQ. IN. XMRP = 13.1489 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0302 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0130 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AIRLON = .000 RUDDER = .000  
 BDFLAP = 13.730 SPDBRK = 54.920

RUN NO. 25/ 0 RIV/L = 2.50 GRADIENT INTERVAL = -.5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CN	CA	CLM	CBL	CYN	CY	CAB	CAC
3.900	-4.984	.01908	376.20462	-12608	.10896	-.02734	-.00051	.00000	.00004	.01246	.00003
3.900	-2.269	.01934	375.74751	-.07275	.10315	-.02330	-.00038	-.00002	-.00008	.01246	.00003
3.900	-1.229	.01972	376.02017	-.04905	.10091	-.02368	-.00037	-.00002	-.00009	.01221	.00020
3.900	-.202	.01966	375.93196	-.03135	.09990	-.02827	-.00037	-.00003	-.00011	.01207	.00005
3.900	.842	.02005	375.77157	-.00767	.09630	-.02671	-.00024	-.00004	-.00016	.01226	-.00009
3.900	1.801	.02040	375.77959	.01495	.09738	-.02843	-.00023	-.00007	-.00132	.01207	.00003
3.900	3.874	.02058	375.65128	.06237	.09580	-.03091	-.00024	-.00006	-.00024	.01225	-.00009
3.900	5.944	.01756	375.78355	.11168	.09493	-.03266	.00028	.00033	-.00149	.01240	.00003
3.900	8.112	.01779	375.81167	.16996	.09345	-.03739	.00015	.00019	-.00041	.01246	.00003
3.900	10.076	.01824	375.70742	.22816	.09384	-.04219	.00053	.00018	-.00032	.01267	-.00009
3.900	12.392	.01900	375.96404	.29970	.09430	-.04853	.00129	.00029	-.00182	.01281	.00006
3.900	16.354	.02011	375.62722	.43302	.09638	-.03717	.00094	.00022	-.00197	.01315	.00006
3.900	20.491	.02139	375.82771	.58994	.09647	-.06718	.00071	.00016	-.00216	.01300	-.00009
3.900	25.693	.02340	376.04423	.79978	.10236	-.08021	.00037	.00018	-.00355	.01259	-.00009
3.900	30.987	.01795	375.65978	1.03600	.10496	-.09835	.00014	.00032	-.00258	.01259	-.00009
3.900	37.261	.02378	376.09433	1.27992	.10731	-.11737	.00029	.00008	-.00245	.01292	-.00009
3.900	41.525	.02247	376.03621	1.53917	.10741	-.13916	.00019	.00019	-.00229	.01292	-.00009
3.900	43.723	.01968	375.97205	1.64027	.10490	-.15197	.00033	.00041	-.00220	.01245	-.00023
GRADIENT		.00018	-.05369	.02125	-.00148	-.00044	.00003	-.00000	-.00008	-.00004	-.00002



0A44 UPM7 1035 CONF-8A 810C507M3F4497E1M83V3X16

(RPM408) ( 10 JUL 73 )

REFERENCE DATA

WREF = 87.1860 IN. YMRP = 19.1468 INCHES  
 LREF = 7.1820 INCHES YMRP = .0000 INCHES  
 WREF = 14.0802 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0130 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AIRCON = .000 RUDDER = .000  
 BDPLAP = 13.750 SPOBKK = 94.920

RUN NO. 28/ D RIVL = 2.50 GRADIENT INTERVAL = -8.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CN	CA	CLM	CBL	CYN	CT	^AB	CAC
4.000	-3.871	.01571	294.14599	-.10033	.10303	-.02837	.00000	.00050	-.00145	.00917	-.00011
4.000	-1.831	.01597	293.71875	-.04249	.09747	-.02875	.00001	.00049	-.00151	.00826	-.00011
4.000	-.813	.01612	294.14599	-.04339	.09472	-.02507	.00001	.00049	-.00155	.00892	.00007
4.000	.221	.01627	294.14599	-.02070	.09261	-.02580	.00017	.00046	-.00159	.00892	.00007
4.000	1.223	.01638	294.17322	-.00538	.09096	-.02507	.00001	.00047	-.00160	.00893	.00007
4.000	2.199	.01651	294.14599	.01701	.09002	-.02752	.00017	.00047	-.00164	.00892	.00007
4.000	4.231	.01660	294.14599	.06125	.08792	-.02940	.00002	.00046	-.00166	.00892	.00007
4.000	6.263	.01713	294.14599	.10572	.08579	-.02968	.00019	.00044	-.00176	.00917	-.00011
4.000	8.424	.01748	294.14599	.16117	.08457	-.03373	.00019	.00042	-.00183	.00917	-.00011
4.000	10.444	.01780	294.14599	.21643	.08396	-.03948	.00020	.00041	-.00186	.00935	.00007
4.000	12.743	.01824	294.14599	.28535	.08443	-.04493	.00021	.00039	-.00197	.00935	.00007
4.000	16.596	.01915	294.14599	.42039	.08781	-.05362	.00023	.00034	-.00216	.00935	.00007
4.000	20.798	.02041	294.14599	.57385	.09156	-.06107	.00010	.00042	-.00363	.00917	-.00011
4.000	25.842	.02161	294.14599	.77469	.09733	-.07480	-.00003	.00034	-.00409	.00935	.00007
4.000	31.206	.01988	294.14599	1.00435	.10014	-.09361	-.00031	.00074	-.00587	.00917	-.00011
4.000	36.268	.02130	294.14599	1.23678	.10412	-.11450	.00002	.00044	-.00595	.00935	.00007
4.000	41.535	.02658	294.14599	1.48345	.10277	-.13461	.00037	-.00008	-.00367	.00917	-.00011
4.000	43.634	.02346	294.14599	1.57857	.09998	-.15519	.00037	.00022	-.00348	.00906	-.00011
4.000	GRADIENT	.00013	.03047	.01984	-.00186	-.00013	.00001	-.00001	-.00003	-.00004	.00003

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



0A44 UPWT 1035 CONF-2A 81DC50THSF407E10R5V8X16

(RPNA07) ( 10 JUL 73 )

REFERENCE DATA

BREF = 07.1500 90.1IN. XMRP = 13.1469 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRFP = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTA = .000  
 AIRCON = .000 RUDDER = .000  
 BDPLAP = .000 SPDRBK = 54.920

RUN NO. 27/ 0 RIVL = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CN	CA	CLM	CBL	CYN	CY	CAB	CAC
2.500	-4.639	.00939	543.61223	-1.5190	.13236	-.00356	-.00009	.00072	-.00176	.02473	-.00016
2.500	-2.392	.01412	544.35452	-.07637	.13127	-.00993	.00011	.00067	-.00346	.02326	-.00016
2.500	-1.485	.01436	543.64271	-.04598	.13059	-.01299	.00003	.00066	-.00340	.02335	-.00006
2.500	-.296	.01411	544.30361	-.01123	.12942	-.01969	.00018	.00041	-.00117	.02334	-.00027
2.500	.777	.01474	543.66031	.02116	.12806	-.01929	.00011	.00056	-.00276	.02520	-.00016
2.500	1.719	.01493	544.27801	.05169	.12697	-.02144	.00011	.00047	-.00200	.02510	-.00016
2.500	3.631	.01579	543.97074	.11815	.12506	-.02797	.00005	.00061	-.00362	.02515	-.00016
2.500	5.896	.01300	544.32922	.19662	.12377	-.03401	.00015	.00096	-.00447	.02563	-.00009
2.500	8.193	.01334	544.07316	.25942	.12200	-.03997	.00014	.00068	-.00297	.02629	-.00017
2.500	10.159	.01436	544.07316	.32381	.12015	-.04435	.00016	.00091	-.00462	.02637	-.00017
2.500	12.537	.01524	544.30361	.39965	.11823	-.04844	.00026	.00076	-.00472	.02641	-.00017
2.500	16.572	.01709	544.17456	.54396	.11447	-.05599	.00046	.00091	-.00372	.02666	-.00027
2.500	20.792	.01514	544.04755	.70640	.11266	-.06194	.00046	.00076	-.00440	.02719	-.00037
2.500	26.123	.01482	543.56104	.92577	.10710	-.07329	.00051	.00111	-.00707	.02790	-.00027
2.500	31.606	.02629	543.12374	1.16683	.10085	-.08984	.00087	.00018	-.00503	.02824	-.00027
2.500	36.955	.03848	543.64271	1.41545	.09572	-.11210	.00096	-.00032	-.00331	.02890	-.00037
2.500	42.259	.01306	543.43301	1.66670	.09161	-.13365	.00073	.00094	-.00425	.02969	-.00037
2.500	44.646	.00785	543.99634	1.76929	.08937	-.13835	.00093	.00142	-.00388	.02975	-.00037
GRADIENT	.00062	.03061	.03152	-.00091	-.00091	-.00267	.00001	-.00002	-.00004	.00003	-.00000



(RPN007) ( 10 JUL 73 )

0A44 UPWT 1033 COMP-2A 810C907H0F0407E10R05V0110

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
ALLRON = .000 RUDDER = .000  
BDFLAP = .000 SPDBRK = 54.920

REFERENCE DATA

MREF = 07.1500 SQ.IN. XMRP = 13.1400 INCHES  
LREF = 7.1220 INCHES YMRP = .0000 INCHES  
BREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
SCALE = .0150 SCALE

RUN NO. 28/ 0 RW/L = 8.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CN	CA	CLM	CBL	CYN	CY	CAB	CAC
3.900	-4.307	.01941	375.80384	-.11667	.10333	-.02364	.00112	.00013	-.00130	.01803	-.00009
3.900	-2.073	.01600	375.09233	-.06905	.10043	-.02166	.00136	.00028	-.00026	.01803	-.00009
3.900	-1.199	.01513	375.93602	-.05139	.09691	-.02247	.00124	.00027	-.00026	.01803	-.00009
3.900	-.157	.01631	376.10836	-.02766	.09733	-.02266	.00074	.00026	-.00024	.01197	-.00009
3.900	.654	.01649	375.73949	-.00716	.09603	-.02279	.00075	.00023	-.00026	.01197	-.00009
3.900	1.792	.01663	375.92394	.01056	.09466	-.02336	.00075	.00023	-.00030	.01197	-.00009
3.900	3.632	.01699	375.94600	.03697	.09336	-.02384	.00063	.00023	-.00034	.01197	-.00009
3.900	5.365	.01734	375.96909	.09766	.09232	-.02722	.00063	.00022	-.00040	.01197	-.00009
3.900	6.067	.01796	375.93602	.16482	.09043	-.03104	.00069	.00020	-.00051	.01216	-.00024
3.900	10.056	.01831	375.96909	.21976	.09043	-.03397	.00077	.00016	-.00056	.01230	-.00009
3.900	12.332	.01896	375.93223	.29719	.09043	-.03764	.00076	.00013	-.00069	.01230	-.00009
3.900	16.342	.02003	375.83573	.42053	.09132	-.04266	.00066	.00010	-.00066	.01264	-.00009
3.900	20.491	.02196	375.95602	.57336	.09146	-.04697	.00071	.00016	-.00223	.01272	-.00009
3.900	25.796	.01966	375.75553	.76147	.09315	-.05306	.00073	.00033	-.00239	.01249	-.00023
3.900	31.152	.01690	375.76761	1.01436	.09306	-.06414	.00014	.00062	-.00367	.01264	-.00009
3.900	36.236	.02369	375.75742	1.24633	.09346	-.07965	.00040	.00003	-.00151	.01237	-.00023
3.900	41.491	.02246	375.84374	1.49632	.09971	-.09961	.00016	.00006	-.00132	.01237	-.00023
3.900	45.707	.02339	375.69968	1.60210	.09713	-.10912	.00031	.00002	-.00127	.01249	-.00023
3.900	GRADIENT	-.00020	-.00646	.02121	-.00147	-.00026	-.00009	.00001	.00009	-.00231	.00000

QA44 UPWT 1035 CONF-8A 81DC507M3P4687E16R1SV3X16 (RPNAD7) ( 10 JUL 73 )

REFERENCE DATA

MREF = 97.1560 90.1IN. XMRP = 13.1489 INCHES  
 LREF = 7.1223 INCHES YMRP = .0000 INCHES  
 BREF = 14.9502 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0150 SCALE

RUN NO. 29/ 0 RVL = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

MACH	ALPHA	BETA	Q (PSF)	CN	CA	CLM	CBL	CYN	CY	CAB	ELEVTR	CAC
4.600	-3.916	.01549	294.35367	-.10734	.10193	-.02669	.00046	.00036	-.00704	.00648	.000	-.00030
4.600	-1.691	.01581	293.92443	-.06213	.09395	-.02502	.00047	.00035	-.00011	.00845	.000	.00007
4.600	-.845	.01592	293.92443	-.04696	.09328	-.02433	.00047	.00035	-.00014	.00845	.000	.00007
4.600	.217	.01607	294.35367	-.02769	.09116	-.02266	.00047	.00034	-.00017	.00956	.000	.00007
4.600	1.240	.01621	293.92443	-.00331	.08944	-.02344	.00032	.00033	-.00019	.00845	.000	.00007
4.600	2.221	.01635	294.35367	.01381	.08608	-.02345	.00046	.00033	-.00023	.00860	.000	-.00011
4.600	4.374	.01665	293.92443	.05792	.08563	-.02536	.00046	.00031	-.00029	.00845	.000	-.00030
4.600	6.201	.01696	293.92443	.09972	.08413	-.02494	.00049	.00030	-.00036	.00851	.000	-.00030
4.600	8.493	.01731	293.92443	.15413	.08233	-.02698	.00050	.00028	-.00042	.00870	.000	-.00011
4.600	10.389	.01768	294.35367	.20945	.08141	-.03142	.00050	.00026	-.00050	.00870	.000	-.00011
4.600	12.632	.01809	294.35367	.27093	.08130	-.03541	.00051	.00024	-.00056	.00880	.000	-.00011
4.600	16.604	.01905	293.92443	.40634	.08313	-.03921	.00005	.00019	-.00075	.00904	.000	-.00030
4.600	20.681	.02015	293.92443	.54926	.08490	-.03955	-.00009	.00012	-.00099	.00922	.000	-.00011
4.600	25.906	.02164	293.92443	.75455	.08807	-.04722	-.00022	.00004	-.00129	.00866	.000	.00007
4.600	31.201	.01970	293.92443	.97333	.08908	-.06095	-.00050	.00044	-.00289	.00922	.000	-.00011
4.600	36.316	.02114	293.92443	1.20065	.09015	-.07524	-.00018	.00014	-.00119	.00912	.000	-.00011
4.600	41.466	.02270	293.92443	1.43927	.09636	-.09803	-.00015	-.00001	-.00085	.00870	.000	-.00012
4.600	43.754	.02691	293.92443	1.53691	.09205	-.11187	-.00014	-.00044	-.00067	.00851	.000	-.00030
4.600	GRADIENT	.00014	-.02102	.01966	-.00195	.00023	-.00000	-.00001	-.00003	.00001	.000	-.00001

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

(RPNAG8) ( 10 JUL 73 )

0444 UPM1 1035 COMP-BA 810C907M3F4687E19R5V3X16

PARAMETRIC DATA

BETA = .000 ELEVTR = -80.000  
 AIRLON = .000 RUDDER = .000  
 BDFLAP = -14.250 SPOBRK = 94.920

REFERENCE DATA

WREF = 87.1500 SQ. FT. YMRP = 13.1488 INCHES  
 LREF = 7.1250 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0190 SCALE

RUN NO. 30/ 0 RIV/L = 2.50 GRADIENT INTERVAL = -3.00/ 9.00

| MAOH     | ALPHA  | BETA    | Q (PSF)   | CN      | CA      | CLM     | CBL     | CYN     | CY      | CAB    | CAC     |
|----------|--------|---------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 2.500    | -4.648 | .01373  | 544.86209 | -.20845 | .14422  | .03496  | -.00190 | .00041  | -.00108 | .02337 | -.00028 |
| 2.500    | -2.459 | .01612  | 543.66631 | -.13350 | .14024  | .03097  | -.00197 | .00026  | -.00192 | .02365 | -.00018 |
| 2.500    | -1.371 | .02201  | 544.17558 | -.09889 | .13641  | .02716  | -.00166 | .00007  | -.00195 | .02368 | -.00018 |
| 2.500    | -.345  | .02227  | 544.27801 | -.06835 | .13665  | .02467  | -.00196 | .00006  | -.00196 | .02364 | -.00018 |
| 2.500    | .783   | .02255  | 544.02195 | -.02979 | .13440  | .02054  | -.00179 | .00006  | -.00200 | .02366 | -.00018 |
| 2.500    | 1.802  | .02315  | 544.17358 | .00259  | .13255  | .01715  | -.00177 | .00021  | -.00359 | .02369 | -.00018 |
| 2.500    | 3.794  | .02312  | 543.69392 | .06733  | .12879  | .01106  | -.00144 | -.00005 | -.00131 | .02363 | -.00018 |
| 2.500    | 5.915  | .02044  | 543.94313 | .13592  | .12977  | .00419  | -.00133 | .00029  | -.00294 | .02430 | -.00028 |
| 2.500    | 8.100  | .01770  | 543.79190 | .20865  | .12509  | -.00062 | -.00106 | .00054  | -.00392 | .02499 | -.00008 |
| 2.500    | 10.130 | .01619  | 544.14998 | .27307  | .12079  | -.00433 | -.00108 | .00044  | -.00311 | .02513 | -.00009 |
| 2.500    | 12.539 | .01925  | 544.50646 | .34690  | .11764  | -.00682 | -.00098 | .00049  | -.00400 | .02550 | -.00017 |
| 2.500    | 16.901 | .01732  | 543.99634 | .48581  | .11398  | -.00921 | -.00077 | .00043  | -.00423 | .02648 | -.00017 |
| 2.500    | 20.782 | .01994  | 544.20119 | .64000  | .11000  | -.00796 | -.00109 | .00063  | -.00322 | .02715 | -.00017 |
| 2.500    | 26.228 | .02230  | 544.53408 | .80700  | .10119  | -.00453 | -.00107 | .00046  | -.00482 | .02705 | -.00027 |
| 2.500    | 31.395 | .02864  | 544.35482 | 1.06722 | .09190  | -.01179 | -.00070 | .00008  | -.00433 | .02763 | -.00017 |
| 2.500    | 36.936 | .03875  | 543.94313 | 1.30460 | .08312  | -.01813 | -.00069 | -.00070 | -.00208 | .02777 | -.00017 |
| 2.500    | 42.175 | -.00075 | 543.27938 | 1.53676 | .07545  | -.02363 | -.00221 | .00165  | -.00572 | .02778 | -.00017 |
| 2.500    | 44.560 | -.00330 | 543.66347 | 1.63638 | .07205  | -.02376 | -.00214 | .00173  | -.00341 | .02784 | -.00027 |
| GRADIENT |        | .00109  | -.05920   | .03251  | -.00183 | -.00310 | .00003  | -.00004 | -.00010 | .00004 | .00001  |



Q444 UPWT 1035 COMP-2A 810C507M3P A407E1RR31V5X16

(RPM08) ( 10 JUL 73 )

REFERENCE DATA

BREF = 67.500 90.1IN. XMRP = 13.1469 INCHES  
 LREF = 7.1200 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0130 SCALE

BETA = .000 ELEVTR = -80.000  
 AIRUM = .000 RUDDER = .000  
 BDFLAP = -14.250 SPDBRK = 54.920

PARAMETRIC DATA

RUN NO. 31/ 0 RW/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| WACH  | ALPHA    | BETA    | Q(PSF)    | CN       | CA      | CLM     | CBL     | CYN     | CT      | CAB     | CAC     |
|-------|----------|---------|-----------|----------|---------|---------|---------|---------|---------|---------|---------|
| 3.900 | -4.407   | .01969  | 375.91592 | -1.14941 | .11207  | -.00300 | -.00067 | .00010  | -.00122 | .01164  | .00003  |
| 3.900 | -2.261   | .02004  | 375.69136 | -.09805  | .10361  | -.00244 | -.00074 | .00006  | -.00129 | .01166  | .00005  |
| 3.900 | -1.259   | .02016  | 376.12442 | -.07730  | .10326  | -.00357 | -.00074 | .00006  | -.00131 | .01166  | .00005  |
| 3.900 | -.223    | .02033  | 375.83575 | -.03379  | .10134  | -.00524 | -.00074 | .00007  | -.00133 | .01164  | .00005  |
| 3.900 | .875     | .02031  | 375.96007 | -.0301   | .09937  | -.00365 | -.00073 | .00006  | -.00136 | .01154  | -.00009 |
| 3.900 | 1.794    | .02069  | 375.95611 | -.0094   | .09816  | -.00554 | -.00073 | .00006  | -.00139 | .01164  | .00005  |
| 3.900 | 3.940    | .01741  | 375.61969 | .0370    | .09337  | -.00795 | -.00061 | .00033  | -.00143 | .01154  | -.00009 |
| 3.900 | 5.996    | .01763  | 375.97205 | .08654   | .09315  | -.00640 | -.00060 | .00031  | -.00152 | .01175  | -.00024 |
| 3.900 | 8.066    | .01824  | 376.00413 | .13666   | .09120  | -.00059 | -.00059 | .00029  | -.00159 | .01195  | -.00009 |
| 3.900 | 10.131   | .01872  | 375.97205 | .19410   | .09095  | -.01236 | -.00059 | .00027  | -.00167 | .01202  | .00005  |
| 3.900 | 12.426   | .01567  | 376.00413 | .26003   | .09067  | -.01376 | -.00056 | .00033  | -.00177 | .01229  | -.00009 |
| 3.900 | 16.329   | .01696  | 375.73147 | .38429   | .09072  | -.01110 | -.00057 | .00047  | -.00200 | .01262  | -.00009 |
| 3.900 | 20.430   | .01826  | 376.06327 | .52231   | .08998  | -.00746 | -.00055 | .00041  | -.00227 | .01248  | -.00023 |
| 3.900 | 25.665   | .02029  | 376.07631 | .71609   | .08992  | -.00044 | -.00063 | .00032  | -.00264 | .01240  | -.00023 |
| 3.900 | 30.972   | .01893  | 375.97205 | .93241   | .08777  | -.00041 | -.00111 | .00060  | -.00399 | .01246  | -.00023 |
| 3.900 | 36.227   | .02446  | 375.95602 | 1.15492  | .08323  | -.00046 | -.00086 | -.00006 | -.00169 | .01240  | -.00023 |
| 3.900 | 41.425   | .02696  | 376.02017 | 1.36677  | .07951  | -.00076 | -.00083 | -.00022 | -.00163 | .01206  | -.00023 |
| 3.900 | 43.731   | .02419  | 375.95602 | 1.49721  | .07414  | -.00327 | -.00070 | .00000  | -.00156 | .01143  | -.00034 |
| 3.900 | GRADIENT | -.00017 | .00142    | .02185   | -.00196 | -.00064 | .00002  | .00002  | -.00003 | -.00002 | -.00002 |



0444 UPST 1033 CONF-2A B10C907MDF4407E10R19V5X10

0444 UPST 1033 CONF-2A B10C907MDF4407E10R19V5X10

0444 UPST 1033 CONF-2A B10C907MDF4407E10R19V5X10

REF = 07.1360 SQ. IN. YMRP = 13.1466 INCHES BETA = .000 ELEVTR = -20.000  
 LREF = 7.1280 INCHES YMRP = .0000 INCHES ALLRON = .000 RUDDER = .000  
 RREF = 14.0302 INCHES ZMRP = 6.0000 INCHES BOFLAP = -14.230 SPOBRK = 34.920  
 SCALE = .0190 SCALE

RUN NO. 32/ 0 RW/L = 2.90 GRADIENT INTERVAL = -5.00/ 9.00

| WACH     | ALPHA   | BETA    | CA      | CLM     | CLB     | CYN     | CY      | CAB     | CAC     |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4.000    | -3.978  | .01932  | .10724  | -.00741 | -.00079 | .00013  | -.00149 | .00643  | .00027  |
| 4.000    | -1.069  | .01611  | .09868  | -.01036 | -.00043 | .00048  | -.00133 | .00623  | -.00011 |
| 4.000    | -.021   | .01628  | .09689  | -.00941 | -.00083 | .00047  | -.00156 | .00634  | .00007  |
| 4.000    | .210    | .01636  | .09398  | -.00939 | -.00063 | .00047  | -.00159 | .00633  | -.00011 |
| 4.000    | 1.231   | .01631  | .09174  | -.00940 | -.00082 | .00046  | -.00161 | .00635  | -.00011 |
| 4.000    | 2.287   | .01646  | .09016  | -.01015 | -.00046 | .00046  | -.00166 | .00635  | -.00011 |
| 4.000    | 4.203   | .01696  | .08779  | -.00970 | -.00046 | .00044  | -.00172 | .00625  | -.00011 |
| 4.000    | 6.353   | .01729  | .08499  | -.01064 | -.00045 | .00043  | -.00179 | .00643  | .00007  |
| 4.000    | 8.507   | .01764  | .08249  | -.01232 | -.00045 | .00041  | -.00186 | .00643  | .00007  |
| 4.000    | 10.472  | .01799  | .08103  | -.01336 | -.00044 | .00039  | -.00193 | .00669  | -.00011 |
| 4.000    | 12.635  | .01843  | .08131  | -.01409 | -.00043 | .00037  | -.00203 | .00669  | -.00011 |
| 4.000    | 16.551  | .01943  | .08374  | -.01239 | -.00042 | .00032  | -.00227 | .00669  | -.00011 |
| 4.000    | 20.762  | .01696  | .08334  | -.00348 | -.00040 | .00062  | -.00256 | .00696  | .00007  |
| 4.000    | 25.944  | .02218  | .08531  | .00026  | -.00069 | .00017  | -.00291 | .00696  | .00007  |
| 4.000    | 31.124  | .02014  | .08408  | .00165  | -.00063 | .00043  | -.00314 | .00902  | -.00030 |
| 4.000    | 36.247  | .02185  | .08322  | .00175  | -.00045 | .00027  | -.00294 | .00866  | .00007  |
| 4.000    | 41.378  | .02327  | .07998  | -.00321 | -.00046 | -.00003 | -.00123 | .00866  | -.00011 |
| 4.000    | 43.557  | .02748  | .07006  | -.01191 | -.00043 | -.00045 | -.00104 | .00849  | -.00030 |
| GRADIENT | -.00021 | -.03903 | -.00236 | -.00021 | .00004  | .00003  | -.00003 | -.00002 | -.00002 |

REFERENCE DATA

PARAMETRIC DATA

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



0444 UNIT 1035 COMP-2A BLOCADINSP A07E10RVS110

(RPM08) ( 10 JUL 73 )

REFERENCE DATA

WREF = 07.1500 SQ. IN.    YMRP = 13.1400 INCHES  
 LMRP = 7.1200 INCHES    YMRP = .0000 INCHES  
 WREF = 14.0502 INCHES    ZMRP = 0.0000 INCHES  
 SCALE = .0150 SCALE

BETA = .000    ELEVTR = .000  
 AIRCON = 5.000    RUDDER = .000  
 BDFLAP = -14.250    SPDRK = 54.920

PARAMETRIC DATA

RUN NO. 33/ 0    RW'L = 2.90    GRADIENT INTERVAL = -5.00/ 5.00

| WACH  | ALPHA    | BETA   | Q (PSF)   | CN      | CA      | CLM     | CLB    | CYN     | CY      | CAB    | CAC     |
|-------|----------|--------|-----------|---------|---------|---------|--------|---------|---------|--------|---------|
| 2.900 | -4.623   | .00984 | 544.07516 | -1.6122 | .13356  | -.00184 | .00224 | .00091  | -.00361 | .02493 | -.00007 |
| 2.900 | -2.474   | .01396 | 543.07453 | -.09008 | .13275  | -.00637 | .00216 | .00061  | -.00291 | .02533 | .00003  |
| 2.900 | -1.415   | .01484 | 543.17695 | -.05944 | .13175  | -.00926 | .00244 | .00076  | -.00453 | .02572 | -.00007 |
| 2.900 | -.337    | .01876 | 543.81952 | -.01666 | .13100  | -.01259 | .00220 | .00063  | -.00534 | .02576 | .00003  |
| 2.900 | .716     | .01886 | 543.61223 | .01379  | .12966  | -.01512 | .00237 | .00035  | -.00481 | .02577 | .00003  |
| 2.900 | 1.705    | .01910 | 544.04755 | .04430  | .12861  | -.01727 | .00237 | .00054  | -.00464 | .02572 | .00003  |
| 2.900 | 3.815    | .02017 | 543.69392 | .11264  | .12676  | -.02416 | .00256 | .00066  | -.00630 | .02595 | .00003  |
| 2.900 | 5.916    | .02468 | 544.32922 | .18136  | .12554  | -.03022 | .00293 | .00054  | -.00720 | .02641 | .00003  |
| 2.900 | 8.154    | .02465 | 543.48422 | .25452  | .12404  | -.03623 | .00309 | .00026  | -.00495 | .02706 | .00013  |
| 2.900 | 10.194   | .02922 | 543.74029 | .31696  | .12263  | -.03974 | .00316 | .00007  | -.00505 | .02734 | .00003  |
| 2.900 | 12.543   | .03013 | 544.07516 | .39290  | .12076  | -.04255 | .00354 | .00004  | -.00521 | .02779 | .00003  |
| 2.900 | 16.562   | .03174 | 543.71469 | .53767  | .11642  | -.04835 | .00432 | -.00006 | -.00475 | .02766 | -.00007 |
| 2.900 | 20.602   | .04157 | 543.91512 | .69812  | .11291  | -.05203 | .00497 | -.00039 | -.00671 | .02677 | -.00007 |
| 2.900 | 26.143   | .04456 | 543.43300 | .91401  | .10664  | -.05594 | .00595 | -.00046 | -.00724 | .02714 | -.00027 |
| 2.900 | 31.521   | .06556 | 543.69392 | 1.14775 | .10047  | -.07251 | .00725 | -.00177 | -.00544 | .02764 | .00003  |
| 2.900 | 36.932   | .07962 | 543.69392 | 1.39016 | .09555  | -.06963 | .00832 | -.00257 | -.00498 | .02995 | -.00007 |
| 2.900 | 42.344   | .06192 | 543.61710 | 1.64255 | .09044  | -.11076 | .00894 | -.00157 | -.00516 | .02962 | -.00017 |
| 2.900 | 44.564   | .05267 | 544.27601 | 1.74143 | .08664  | -.11740 | .01022 | -.00112 | -.00466 | .02994 | -.00017 |
| 2.900 | GRADIENT | .00127 | .03690    | .03242  | -.00382 | -.00264 | .00504 | -.00003 | -.00532 | .00010 | .00001  |



Q444 UNIT 1055 COMP-SA 010C00TH0P40PTEL0R3V316

(RPM408) ( 10 JUL 73 )

REFERENCE DATA

WREP = 07.1960 36.1IN. THRP = 13.1498 INCHES  
 LREP = 7.1820 INCHES THRP = .0000 INCHES  
 WREP = 14.0302 INCHES THRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

RUN NO. 34/ 0 RML = 2.90 GRADIENT INTERVAL = -1.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 A1:SUM = 5.000 RUDDER = .000  
 S0FLAP = -14.290 SPOBRK = 34.920

| WACH     | ALPHA  | BETA    | Q(PSP)    | CM      | CA      | CLM     | CBL    | CTM     | CT      | CAB     | CAC     |
|----------|--------|---------|-----------|---------|---------|---------|--------|---------|---------|---------|---------|
| 3.000    | -4.336 | .01941  | 376.14046 | -1.1942 | .10476  | -.02316 | .00108 | .00018  | .00098  | .01747  | .00080  |
| 3.000    | -2.231 | .01960  | 376.12442 | -.07490 | .10801  | -.02063 | .00110 | .00016  | .00091  | .01233  | .00006  |
| 3.000    | -1.237 | .01998  | 376.27066 | -.03414 | .10032  | -.02069 | .00123 | .00016  | .00066  | .01228  | .00034  |
| 3.000    | -.183  | .01976  | 375.78781 | -.03339 | .09669  | -.02185 | .00123 | -.00013 | .00083  | .01214  | .00020  |
| 3.000    | .865   | .01831  | 376.10036 | -.01291 | .09724  | -.02168 | .00123 | .00014  | .00061  | .01233  | .00006  |
| 3.000    | 1.817  | .02014  | 376.10838 | .01085  | .09638  | -.02215 | .00136 | -.00014 | .00075  | .01233  | .00006  |
| 3.000    | 3.898  | .02032  | 376.08433 | .03446  | .09447  | -.02276 | .00149 | -.00016 | .00047  | .01233  | .00006  |
| 3.000    | 5.967  | .01728  | 376.08225 | .10386  | .09315  | -.02379 | .00167 | .00011  | .00037  | .01247  | .00020  |
| 3.000    | 8.094  | .02140  | 375.64374 | .18232  | .09170  | -.02797 | .00225 | -.00018 | .00044  | .01261  | .00034  |
| 3.000    | 10.102 | .02187  | 375.69988 | .21790  | .09160  | -.03091 | .00238 | -.00020 | .00034  | .01290  | .00020  |
| 3.000    | 12.368 | .02808  | 376.24471 | .28609  | .09153  | -.03340 | .00289 | -.00030 | .00018  | .01281  | .00020  |
| 3.000    | 16.398 | .02728  | 376.33293 | .41347  | .09212  | -.03894 | .00341 | -.00034 | -.00010 | .01307  | .00006  |
| 3.000    | 20.498 | .03234  | 375.98008 | .56582  | .09261  | -.04168 | .00430 | -.00048 | -.00049 | .01290  | .00020  |
| 3.000    | 25.662 | .03623  | 376.17254 | .76798  | .09410  | -.04391 | .00371 | -.00112 | -.00221 | .01273  | .00020  |
| 3.000    | 30.983 | .03676  | 376.18498 | .99246  | .09413  | -.05191 | .00398 | -.00094 | -.00234 | .01299  | .00006  |
| 3.000    | 36.221 | .04991  | 376.10838 | 1.22944 | .09446  | -.06199 | .00738 | -.00204 | -.00199 | .01314  | .00020  |
| 3.000    | 41.516 | .03803  | 376.14046 | 1.48014 | .09092  | -.07647 | .00929 | -.00247 | -.00189 | .01299  | .00006  |
| 3.000    | 43.693 | .03888  | 376.10036 | 1.37881 | .08817  | -.08232 | .00878 | -.00265 | -.00060 | .01277  | -.00009 |
| GRADIENT | .00068 | -.00065 | .02103    | -.00147 | -.00004 | -.00004 | .00203 | -.00003 | -.00004 | -.00001 | -.00002 |

DATA UNIT 1033 COMP-2A 810C90TH0SP407E10R9V9210

(RPM409) ( 10 JUL 73 )

REFERENCE DATA

WREF = 07.1980 50.1IN. YMRP = 13.1488 INCHES  
 LMRP = 7.1220 INCHES YMRP = .0000 INCHES  
 WREF = 14.0902 INCHES ZMRP = 0.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ALLCON = 5.000 RUDDER = .000  
 SDFLAP = -14.230 SPOBRK = 34.920

RUN NO. 35/ 0 RW/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | ALPHA  | BETA   | Q (PSF)   | CN      | CA      | CLM     | CBL    | CYM     | CY      | CAB     | CAC     |
|----------|--------|--------|-----------|---------|---------|---------|--------|---------|---------|---------|---------|
| 4.000    | -3.938 | .01539 | 294.64304 | -.11087 | .10373  | -.02480 | .00092 | .00022  | .00134  | .00691  | .00026  |
| 4.000    | -1.642 | .01580 | 294.21381 | -.06943 | .09699  | -.02362 | .00094 | .00036  | -.00016 | .00901  | .00026  |
| 4.000    | -.841  | .01574 | 294.64304 | -.09039 | .09470  | -.02361 | .00093 | .00020  | .00126  | .00902  | .00026  |
| 4.000    | -.199  | .01610 | 294.21391 | -.02774 | .09234  | -.02272 | .00111 | .00035  | -.00025 | .00691  | .00026  |
| 4.000    | 1.227  | .01621 | 294.21381 | -.01261 | .09027  | -.02200 | .00095 | .00034  | -.00032 | .00691  | .00026  |
| 4.000    | 2.172  | .01637 | 294.64304 | .01709  | .08947  | -.02276 | .00127 | .00033  | -.00032 | .00691  | .00026  |
| 4.000    | 4.230  | .02010 | 294.64304 | .09066  | .08712  | -.02393 | .00127 | -.00016 | .00107  | .00991  | .00026  |
| 4.000    | 6.292  | .02044 | 294.21381 | .06321  | .08531  | -.02423 | .00159 | -.00019 | .00096  | .00691  | .00026  |
| 4.000    | 8.438  | .02100 | 294.21391 | .05082  | .08334  | -.02463 | .00209 | -.00006 | -.00062 | .00923  | .00026  |
| 4.000    | 10.404 | .02117 | 294.64304 | .20603  | .08290  | -.03072 | .00224 | -.00022 | .00074  | .00944  | .00026  |
| 4.000    | 12.711 | .02330 | 294.64304 | .27147  | .08234  | -.03216 | .00273 | -.00060 | .00037  | .00934  | .00026  |
| 4.000    | 16.633 | .02677 | 294.64304 | .40289  | .08494  | -.03681 | .00354 | -.00064 | .00025  | .00954  | .00026  |
| 4.000    | 20.736 | .02748 | 294.64304 | .54938  | .08632  | -.03461 | .00435 | -.00069 | -.00014 | .00944  | .00026  |
| 4.000    | 25.940 | .03247 | 294.64304 | .74713  | .09020  | -.03919 | .00551 | -.00094 | -.00211 | .00944  | .00026  |
| 4.000    | 31.079 | .03448 | 294.64304 | .96276  | .09060  | -.04406 | .00601 | -.00107 | -.00244 | .00934  | .00026  |
| 4.000    | 36.324 | .03977 | 294.21381 | 1.19309 | .09214  | -.03908 | .00763 | -.00172 | -.00100 | .00934  | .00026  |
| 4.000    | 41.532 | .04476 | 294.21381 | 1.42919 | .08736  | -.07622 | .00862 | -.00239 | -.00090 | .00940  | -.00011 |
| 4.000    | 43.633 | .04916 | 294.64304 | 1.51875 | .08274  | -.08682 | .00892 | -.07278 | .00065  | .00940  | -.00011 |
| GRADIENT | .00048 | .00010 | .00010    | .01967  | -.00201 | .00014  | .00005 | -.00004 | -.00007 | -.00001 | -.00000 |



0444 UPWT 1035 CONF-2A B1DC507M374487E16R5V3X16

(RPNALD) ( 10 JUL 75 )

REFERENCE DATA

BRZF = 87.1560 SQ. IN. XMRP = 13.1469 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRZF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000  
 AIRLON = 5.000 RUDDER = .000  
 BDFLAP = -14.230 SPDRBK = 54.320

RUN NO. 36/ D RIV/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | BETA    | Q (PSF)   | CN      | CA      | CLM     | CBL     | CYN     | CY      | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 2.500 | -4.702   | -.01184 | 543.74026 | -.17834 | .13683  | .01816  | .00213  | .00196  | -.00293 | .02441 | .00002  |
| 2.500 | -2.311   | -.00383 | 543.74026 | -.10706 | .13425  | .01205  | .00198  | .00165  | -.00376 | .02449 | -.00006 |
| 2.500 | -1.266   | .00039  | 543.94513 | -.06640 | .13261  | .01016  | .00223  | .00145  | -.00364 | .02449 | -.00006 |
| 2.500 | -.404    | .00423  | 544.40604 | -.03999 | .13 52  | .00732  | .00191  | .00124  | -.00383 | .02445 | -.00006 |
| 2.500 | .603     | .00820  | 544.14996 | .00057  | -.0375  | .00349  | .00174  | .00103  | -.00365 | .02467 | -.00007 |
| 2.500 | 1.728    | .00481  | 543.91932 | .02901  | .12852  | .00683  | .00175  | .00122  | -.00387 | .02487 | -.00007 |
| 2.500 | 3.798    | .00863  | 544.90646 | .09156  | .12596  | -.00490 | .00216  | .00093  | -.00319 | .02497 | -.00007 |
| 2.500 | 5.992    | .00927  | 544.36043 | .18011  | .12334  | -.01093 | .00192  | .00063  | -.00244 | .02517 | .00002  |
| 2.500 | 8.272    | .01427  | 544.36043 | .23673  | .12149  | -.01824 | .00187  | .00064  | -.00469 | .02597 | -.00007 |
| 2.500 | 10.226   | .01476  | 544.71331 | .29906  | .11917  | -.01696 | .00204  | .00075  | -.00420 | .02617 | -.00007 |
| 2.500 | 12.449   | .01926  | 544.40604 | .36934  | .11732  | -.02103 | .00231  | .00033  | -.00433 | .02662 | -.00007 |
| 2.500 | 16.803   | .01742  | 544.20119 | .51197  | .11269  | -.02376 | .00259  | .00067  | -.00461 | .02736 | -.00007 |
| 2.500 | 20.994   | .01981  | 543.89634 | .67469  | .10847  | -.02320 | .00267  | .00060  | -.00494 | .02667 | -.00027 |
| 2.500 | 26.211   | .02963  | 543.56104 | .88264  | .10006  | -.02793 | .00385  | .00013  | -.00348 | .02728 | -.00037 |
| 2.500 | 31.737   | .04028  | 543.23377 | 1.11974 | .09147  | -.03692 | .00465  | -.00045 | -.00314 | .02770 | -.00017 |
| 2.500 | 36.964   | .05390  | 543.56104 | 1.34817 | .08405  | -.04746 | .00560  | -.00149 | -.00226 | .02814 | -.00037 |
| 2.500 | 42.239   | .02526  | 543.33544 | 1.58667 | .07705  | -.05943 | .00520  | .00033  | -.00463 | .02866 | -.00037 |
| 2.500 | 44.867   | .01564  | 543.38665 | 1.69131 | .07455  | -.05988 | .00545  | .00068  | -.00319 | .02879 | -.00047 |
|       | GRADIENT | .00241  | .06116    | .03189  | -.00126 | -.00281 | -.00002 | -.00012 | -.00003 | .00006 | -.00001 |

OA44 UPMT 1035 COMP-2A 810C3D7M3FA0ATE10R3V5X16

(RPN10) ( 10 JUL 73 )

REFERENCE DATA

SREF = 07.1900 SQ.IN. XMRP = 13.1489 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 WREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000  
 AIRLON = 9.000 RUDDER = .000  
 BDFLAP = -14.230 SPOBRK = 54.920

RUN NO. 37/ 0 RIN/L = 2.30 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | BETA   | Q (PSF)   | CN      | CA      | CLM     | CLB     | CYN     | CY      | CAB    | CAC     |
|-------|----------|--------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 3.900 | -4.427   | .01245 | 376.20482 | -.13072 | .10751  | -.01454 | .00149  | .00090  | -.00251 | .01193 | .00005  |
| 3.900 | -2.197   | .01266 | 376.06829 | -.08330 | .10207  | -.01274 | .00137  | .00067  | -.00143 | .01193 | .00005  |
| 3.900 | -1.283   | .01283 | 376.16432 | -.06237 | .10035  | -.01262 | .00137  | .00066  | -.00146 | .01193 | .00005  |
| 3.900 | -.186    | .01297 | 375.92394 | -.04203 | .09836  | -.01373 | .00112  | .00066  | -.00146 | .01193 | .00005  |
| 3.900 | .889     | .01334 | 376.10036 | -.01842 | .09667  | -.01413 | .00114  | .00076  | -.00263 | .01193 | .00005  |
| 3.900 | 1.821    | .01331 | 375.85978 | .00223  | .09359  | -.01332 | .00113  | .00064  | -.00152 | .01193 | .00005  |
| 3.900 | 3.862    | .01371 | 376.07631 | .04589  | .09345  | -.01455 | .00101  | .00063  | -.00156 | .01204 | -.00009 |
| 3.900 | 6.126    | .01432 | 376.03621 | .09811  | .09149  | -.01693 | .00103  | .00072  | -.00278 | .01219 | .00005  |
| 3.900 | 8.052    | .01473 | 376.17234 | .14765  | .09007  | -.01741 | .00116  | .00071  | -.00286 | .01227 | .00005  |
| 3.900 | 10.014   | .01502 | 376.07631 | .20300  | .08990  | -.02034 | .00140  | .00036  | -.00164 | .01227 | .00005  |
| 3.900 | 12.414   | .01566 | 376.10036 | .27187  | .08920  | -.02103 | .00133  | .00055  | -.00198 | .01260 | .00006  |
| 3.900 | 16.617   | .02059 | 375.93998 | .41035  | .08938  | -.02247 | .00193  | .00022  | -.00227 | .01260 | .00006  |
| 3.900 | 20.541   | .02197 | 375.95404 | .54892  | .08901  | -.02013 | .00232  | .00016  | -.00259 | .01279 | -.00009 |
| 3.900 | 23.645   | .02405 | 375.97205 | .74536  | .08898  | -.01623 | .00309  | .00006  | -.00310 | .01245 | -.00009 |
| 3.900 | 30.837   | .01898 | 376.13244 | .95278  | .08737  | -.01957 | .00312  | .00066  | -.00451 | .01260 | .00006  |
| 3.900 | 36.301   | .02834 | 376.24471 | 1.18906 | .08461  | -.02407 | .00436  | -.00028 | -.00237 | .01271 | -.00009 |
| 3.900 | 41.430   | .03090 | 376.10036 | 1.42643 | .08027  | -.02973 | .00503  | -.00043 | -.00244 | .01257 | -.00023 |
| 3.900 | 43.679   | .03149 | 376.09233 | 1.52178 | .07540  | -.03977 | .00563  | -.00060 | -.00133 | .01223 | -.00023 |
|       | GRADIENT | .00016 | -.02316   | .02123  | -.00169 | -.00016 | -.00006 | -.00001 | .00005  | .00001 | -.00001 |



0A44 UPWT 1035 CONF-2A 810C307A3F4A07E18R3V3X16

(RPMN10) ( 10 JUL 75 )

REFERENCE DATA

WREF = 67.1500 SQ.IN. YMRP = 13.1469 INCHES  
 LREF = 7.1250 INCHES YMRP = .0000 INCHES  
 WREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0130 SCALE

BETA = .000 ELEVTR = -10.000  
 AIRLON = 5.000 RUDDER = .000  
 BDFLAP = -14.250 SPOBRK = 54.920

PARAMETRIC DATA

RUN NO. 36/ 0 RIV/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | BETA   | Q (PRP)   | CN      | CA      | CLM     | CBL     | CYN     | CY      | CAB     | CAC     |
|-------|----------|--------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4.000 | -3.926   | .00637 | 295.02705 | -.11031 | .10316  | -.01601 | .00142  | .00123  | -.00183 | .00876  | .00007  |
| 4.000 | -1.706   | .00664 | 295.02705 | -.04665 | .09424  | -.01606 | .00110  | .00121  | -.00166 | .00865  | .00007  |
| 4.000 | -.690    | .01296 | 295.02705 | -.04999 | .09434  | -.01704 | .00111  | .00063  | .00169  | .00876  | .00007  |
| 4.000 | 1.166    | .01271 | 294.99762 | -.03122 | .09175  | -.01705 | .00096  | .00064  | -.00170 | .00865  | .00007  |
| 4.000 | 1.334    | .01266 | 294.99762 | -.00477 | .08987  | -.01664 | .00096  | .00064  | -.00174 | .00865  | .00007  |
| 4.000 | 2.271    | .01302 | 294.99762 | .01033  | .08634  | -.01619 | .00096  | .00063  | -.00177 | .00875  | .00007  |
| 4.000 | 4.261    | .01332 | 295.02705 | .04716  | .08373  | -.01496 | .00097  | .00062  | -.00163 | .00865  | .00007  |
| 4.000 | 6.192    | .01361 | 295.02705 | .09135  | .08363  | -.01667 | .00061  | .00060  | -.00167 | .00865  | .00007  |
| 4.000 | 8.423    | .01401 | 295.02705 | .14690  | .08173  | -.01765 | .00114  | .00079  | -.00200 | .00865  | .00007  |
| 4.000 | 10.378   | .01434 | 295.02705 | .19645  | .08064  | -.02102 | .00114  | .00077  | -.00206 | .00900  | -.00011 |
| 4.000 | 12.806   | .01485 | 295.02705 | .26367  | .07976  | -.02062 | .00131  | .00075  | -.00220 | .00890  | -.00011 |
| 4.000 | 16.446   | .01566 | 295.02705 | .39137  | .08135  | -.01967 | .00179  | .00055  | -.00105 | .00900  | -.00011 |
| 4.000 | 20.762   | .01663 | 294.99762 | .52735  | .08261  | -.01533 | .00228  | .00030  | -.00139 | .00906  | .00007  |
| 4.000 | 26.002   | .02206 | 295.02705 | .72067  | .06437  | -.01263 | .00279  | .00006  | -.00165 | .00906  | .00007  |
| 4.000 | 31.036   | .02016 | 295.02705 | .92141  | .08335  | -.01630 | .00314  | .00047  | -.00339 | .00906  | .00007  |
| 4.000 | 36.240   | .02157 | 295.02705 | 1.14446 | .08296  | -.02329 | .00424  | .00003  | -.00062 | .00690  | -.00011 |
| 4.000 | 41.626   | .02721 | 295.02705 | 1.37790 | .07596  | -.03219 | .00324  | -.00033 | -.00196 | .00600  | -.00011 |
| 4.000 | 43.616   | .03123 | 295.02705 | 1.46243 | .07120  | -.03960 | .00340  | -.00069 | -.00042 | .00690  | -.00011 |
| 4.000 | GRADIENT | .00064 | -.03044   | .01939  | -.00211 | .00032  | -.00005 | -.00006 | -.00002 | -.00001 | .00000  |



0A44 UPWT 1033 CONF-2A 81DC3073FA7E18R3V3X16

(RPM11) ( 10 JUL 73 )

REFERENCE DATA

GREF = 87.1560 SQ. IN. XMRP = 13.1488 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0302 INCHES ZMRP = 4.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .0000 ELEVTR = -20.000  
 AIRLON = 5.0000 RUDDER = .000  
 BDFLAP = -14.250 SPDBRK = 54.920

RUN NO. 39/ 0 RVL = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | BETA     | Q (PSF)   | CN      | CA      | CLM     | CBL     | CYN     | CY      | CAB     | CAC     |
|-------|----------|----------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 2.500 | -4.649   | -0.186   | 543.09392 | -20808  | .14367  | .03538  | .00189  | .00279  | -.00334 | .02399  | -.00018 |
| 2.500 | -2.544   | -0.1422  | 544.38043 | -13673  | .13979  | .02916  | .00171  | .00222  | -.00382 | .02384  | -.00027 |
| 2.500 | -1.397   | -0.0992  | 543.58665 | -10037  | .13788  | .02595  | .00174  | .00216  | -.00343 | .02377  | -.00027 |
| 2.500 | -0.570   | -0.01003 | 543.40741 | -08784  | .13657  | .02234  | .00155  | .00201  | -.00386 | .02402  | -.00008 |
| 2.500 | .660     | -0.0395  | 543.63788 | -03519  | .13425  | .02005  | .00183  | .00189  | -.00471 | .02397  | -.00009 |
| 2.500 | 1.658    | -0.0330  | 544.09877 | .19211  | .01549  | .00167  | .00167  | .00203  | -.00628 | .02411  | -.00018 |
| 2.500 | 3.773    | -0.0132  | 543.99834 | .06383  | .12877  | .01018  | .00175  | .00167  | -.00477 | .02373  | -.00008 |
| 2.500 | 6.036    | -0.0091  | 544.25240 | .13629  | .12332  | .00232  | .00188  | .00164  | -.00481 | .02411  | .00022  |
| 2.500 | 8.149    | .00018   | 544.30846 | .20882  | .12299  | -.00212 | .00170  | .00178  | -.00848 | .02489  | .00002  |
| 2.500 | 10.127   | .00376   | 544.43164 | .27148  | .12069  | -.00477 | .00142  | .00124  | -.00338 | .02512  | .00002  |
| 2.500 | 12.765   | .0072    | 544.25240 | .33532  | .11797  | -.00863 | .00154  | .00117  | -.00308 | .02603  | -.00007 |
| 2.500 | 16.675   | .01236   | 544.04735 | .49025  | .11392  | -.00983 | .00163  | .00104  | -.00453 | .02713  | -.00007 |
| 2.500 | 20.901   | .01236   | 544.30361 | .64640  | .10982  | -.00923 | .00148  | .00087  | -.00479 | .02737  | -.00017 |
| 2.500 | 26.094   | .01898   | 544.40604 | .84555  | .10144  | -.00684 | .00202  | .00069  | -.00328 | .02688  | -.00027 |
| 2.500 | 31.669   | .03289   | 544.53475 | 1.07744 | .09173  | -.01371 | .00291  | -.00008 | -.00492 | .02776  | -.00007 |
| 2.500 | 36.990   | .04246   | 544.25240 | 1.30457 | .08357  | -.01987 | .00342  | -.00108 | -.00042 | .02823  | -.00017 |
| 2.500 | 42.455   | -.00412  | 544.50843 | 1.54991 | .07324  | -.02892 | .00173  | .00184  | -.00403 | .02803  | -.00037 |
| 2.500 | 44.565   | .00073   | 544.38043 | 1.63324 | .07277  | -.02724 | .00233  | .00143  | -.00287 | .02828  | -.00047 |
| 2.500 | GRADIENT | .00230   | -.00271   | .03216  | -.00176 | -.00301 | -.00001 | -.00012 | -.00003 | -.00000 | .00002  |



0A44 UPWT 1035 COMP-2A B10C90TH3FAW47E10R18V3X16

(RPM111) ( 10 JUL 73 )

REFERENCE DATA

BREF = 87.1580 96.1M. YMRP = 13.1489 INCHES  
 LRER = 7.1220 INCHES YMRP = .0000 INCHES  
 BRER = 14.0502 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0150 SCALE

BETA = .000 ELEVTR = -80.000  
 AIRLON = 3.000 RUDDER = .000  
 90FLAP = -14.250 SPOBRK = 34.920

PARAMETRIC DATA

RUN NO. 40/ 0 RWL = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | ALPHA  | BETA   | Q (PSF)   | CN      | CA      | CLM     | CBL     | CYN     | CY      | CAB     | CAC     |
|----------|--------|--------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3.900    | -4.399 | .00519 | 376.11640 | -1.4487 | .11147  | -.00292 | .00172  | .00124  | -.00148 | .01185  | .00003  |
| 3.900    | -2.248 | .00532 | 375.84800 | -.09747 | .10511  | -.00365 | .00180  | .00123  | -.00190 | .01185  | .00003  |
| 3.900    | -1.208 | .00549 | 375.89978 | -.07387 | .10297  | -.00408 | .00148  | .00122  | -.00151 | .01185  | .00003  |
| 3.900    | -.170  | .00563 | 375.89978 | -.05329 | .10112  | -.00518 | .00124  | .00121  | -.00151 | .01185  | -.00009 |
| 3.900    | .833   | .00602 | 375.88384 | -.02963 | .09933  | -.00580 | .00124  | .00121  | -.00154 | .01185  | .00003  |
| 3.900    | 1.748  | .00619 | 375.82771 | -.00891 | .09804  | -.00590 | .00124  | .00120  | -.00157 | .01177  | .00003  |
| 3.900    | 3.875  | .01018 | 375.78761 | .03751  | .09558  | -.00793 | .00113  | .00090  | -.00162 | .01185  | .00003  |
| 3.900    | 6.061  | .01061 | 375.81989 | .06988  | .09285  | -.00892 | .00101  | .00089  | -.00169 | .01199  | .00020  |
| 3.900    | 7.874  | .01086 | 375.84374 | .13349  | .09125  | -.01084 | .00102  | .00087  | -.00174 | .01216  | .00003  |
| 3.900    | 9.900  | .01145 | 375.88780 | .19176  | .09076  | -.01305 | .00102  | .00085  | -.00183 | .01226  | .00003  |
| 3.900    | 12.341 | .01208 | 375.88384 | .26037  | .09032  | -.01373 | .00091  | .00082  | -.00193 | .01260  | .00006  |
| 3.900    | 16.320 | .01326 | 375.93196 | .38723  | .09082  | -.01419 | .00092  | .00077  | -.00216 | .01279  | -.00009 |
| 3.900    | 20.408 | .01638 | 376.09235 | .53136  | .09003  | -.00914 | .00107  | .00043  | -.00249 | .01279  | -.00009 |
| 3.900    | 25.894 | .02050 | 376.16432 | .72793  | .08969  | -.00141 | .00159  | .00034  | -.00276 | .01246  | -.00009 |
| 3.900    | 31.034 | .01532 | 376.18858 | .93630  | .08811  | -.00153 | .00149  | .00079  | -.00322 | .01260  | .00006  |
| 3.900    | 36.193 | .02088 | 376.12442 | 1.19808 | .08519  | -.00262 | .00224  | .00014  | -.00100 | .01279  | -.00009 |
| 3.900    | 41.400 | .02310 | 376.01215 | 1.38963 | .07946  | -.00457 | .00273  | -.00013 | .00010  | .01243  | -.00009 |
| 3.900    | 43.633 | .02765 | 376.32491 | 1.48377 | .07352  | -.00974 | .00314  | -.00047 | .00009  | .01182  | -.00023 |
| GRADIENT |        | .00090 | -.03379   | .02210  | -.00190 | -.00059 | -.00006 | -.00003 | -.00002 | -.00000 | -.00000 |

0A44 UPWT 1085 COMP-SA 810C8D7M3W4A3TE18R18V8X16

(RPNM11) ( 10 JUL 73 )

REFERENCE DATA

MREF = 07.1900 SQ. IN. YMRP = 13.1489 INCHES  
 LREF = 7.1280 INCHES YMRP = .0000 INCHES  
 BRFP = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

BETA = .0000 ELEVTR = -80.000  
 AILRON = 5.0000 RUDDER = .0000  
 BDPLAP = -14.250 SPDBRK = 54.920

PARAMETRIC DATA

RUN NO. 41/ 0 RIN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | BETA   | Q (PSF)   | CN      | CA      | CLM     | CBL     | CYN     | CY      | CAB     | CAC     |
|-------|----------|--------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4.600 | -3.976   | .00901 | 295.02705 | -.12854 | .10892  | -.00987 | .00173  | .00159  | -.00170 | .00847  | -.00011 |
| 4.600 | -1.772   | .00872 | 295.02705 | -.08328 | .09982  | -.00937 | .00141  | .00107  | -.00288 | .00847  | -.00011 |
| 4.600 | -.942    | .00899 | 295.02705 | -.06832 | .09700  | -.01030 | .00142  | .00121  | -.00174 | .00865  | .00007  |
| 4.600 | .220     | .00913 | 295.02705 | -.04210 | .09408  | -.01189 | .00111  | .00120  | -.00174 | .00847  | -.00011 |
| 4.600 | 1.223    | .00926 | 295.02705 | -.02687 | .09239  | -.00937 | .00111  | .00119  | -.00177 | .00847  | -.00011 |
| 4.600 | 2.169    | .00942 | 295.02705 | -.03429 | .09048  | -.01012 | .00111  | .00119  | -.00180 | .00847  | -.00011 |
| 4.600 | 4.267    | .00973 | 295.02705 | .03992  | .08747  | -.01035 | .00098  | .00117  | -.00185 | .00847  | -.00011 |
| 4.600 | 6.249    | .01385 | 295.02705 | .08409  | .08471  | -.01222 | .00091  | .00090  | -.00190 | .00847  | -.00011 |
| 4.600 | 8.426    | .01403 | 295.02705 | .13592  | .08267  | -.01229 | .00066  | .00078  | -.00197 | .00865  | .00007  |
| 4.600 | 10.279   | .01435 | 295.02705 | .18376  | .08163  | -.01494 | .00087  | .00076  | -.00203 | .00890  | -.00011 |
| 4.600 | 12.676   | .01486 | 295.02705 | .24901  | .08092  | -.01475 | .00083  | .00074  | -.00216 | .00908  | .00007  |
| 4.600 | 16.688   | .01589 | 295.02705 | .37668  | .08255  | -.02215 | .00085  | .00069  | -.00242 | .00890  | -.00011 |
| 4.600 | 20.831   | .01705 | 295.02705 | .51536  | .08331  | -.00689 | .00103  | .00063  | -.00273 | .00908  | .00007  |
| 4.600 | 25.961   | .01845 | 295.02705 | .75225  | .08499  | -.00114 | .00119  | .00040  | -.00169 | .00908  | .00007  |
| 4.600 | 30.993   | .02021 | 295.02705 | .89952  | .08348  | -.00364 | .00123  | .00045  | -.00342 | .00908  | .00007  |
| 4.600 | 36.324   | .02187 | 295.02705 | 1.11885 | .08306  | -.00043 | .00218  | .00001  | -.00043 | .00890  | -.00011 |
| 4.600 | 41.384   | .02696 | 295.02705 | 1.33076 | .07651  | -.00663 | .00300  | -.00050 | -.00031 | .00890  | -.00011 |
| 4.600 | 43.516   | .02743 | 295.02705 | 1.42596 | .07082  | -.01315 | .00299  | -.00071 | -.00126 | .00871  | -.00029 |
|       | GRADIENT | .00049 | .00700    | .02027  | -.00234 | -.00008 | -.00009 | -.00003 | -.00008 | -.00000 | -.00000 |



0A44 UPWT 1033 CONF-2A 810C507H3P4407E1083V9X16

( 10 JUL 73 )

REFERENCE DATA

MREF = 97.1560 80.1N. XMRP = 13.1468 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0150 SCALE

BETA = .000 ELEVTR = .000  
 AILRON = .000 RUDDER = -10.000  
 SDPLAP = -14.250 SPOBRK = 34.920

PARAMETRIC DATA

RUN NO. 42/ 0 RM/L = 2.50 GRADIENT INTERVAL = -.5.00/ 5.00

| MACH     | ALPHA  | BETA    | G(PSP)    | CN      | CA      | CLM     | CBL     | CYN    | CY      | CAB    | CAC     |
|----------|--------|---------|-----------|---------|---------|---------|---------|--------|---------|--------|---------|
| 2.500    | -4.565 | -.03767 | 544.27801 | -.16030 | .13405  | .00135  | -.00247 | .00316 | -.00832 | .02470 | -.00007 |
| 2.500    | -2.443 | -.04862 | 544.76452 | -.06930 | .13333  | -.00495 | -.00245 | .00493 | -.01016 | .02356 | -.00007 |
| 2.500    | -1.404 | -.04950 | 544.22679 | -.05473 | .13233  | -.00699 | -.00245 | .00475 | -.00942 | .02373 | -.00007 |
| 2.500    | -.331  | -.04919 | 544.02195 | -.02016 | .13186  | -.00993 | -.00236 | .00474 | -.00946 | .02395 | -.00007 |
| 2.500    | .721   | -.04871 | 543.17695 | .01445  | .13086  | -.01266 | -.00216 | .00482 | -.01031 | .02394 | -.00007 |
| 2.500    | 1.700  | -.04516 | 544.12437 | .04502  | .13009  | -.01590 | -.00193 | .00445 | -.00677 | .02390 | -.00007 |
| 2.500    | 3.825  | -.04096 | 544.35482 | .11132  | .12773  | -.02153 | -.00201 | .00423 | -.00862 | .02377 | .00003  |
| 2.500    | 5.939  | -.04376 | 544.02195 | .13216  | .12619  | -.02797 | -.00191 | .00449 | -.00967 | .02622 | .00003  |
| 2.500    | 8.168  | -.03941 | 544.32922 | .25469  | .12469  | -.03303 | -.00215 | .00426 | -.00971 | .02693 | -.00007 |
| 2.500    | 10.209 | -.03528 | 544.04755 | .31936  | .12273  | -.03656 | -.00206 | .00397 | -.00902 | .02710 | -.00007 |
| 2.500    | 12.335 | -.03066 | 544.23240 | .39112  | .12095  | -.03988 | -.00240 | .00374 | -.00906 | .02745 | -.00007 |
| 2.500    | 14.546 | -.02932 | 544.20119 | .33775  | .11701  | -.04606 | -.00170 | .00361 | -.00895 | .02734 | -.00007 |
| 2.500    | 20.812 | -.03085 | 544.40604 | .70191  | .11322  | -.04963 | -.00134 | .00374 | -.00883 | .02650 | -.00017 |
| 2.500    | 26.145 | -.02442 | 544.22679 | .91895  | .10695  | -.03790 | -.00105 | .00345 | -.00920 | .02720 | -.00027 |
| 2.500    | 31.568 | -.00016 | 543.94513 | 1.15380 | .09989  | -.07056 | -.00009 | .00187 | -.00649 | .02755 | -.00007 |
| 2.500    | 36.904 | .01697  | 544.35482 | 1.39722 | .09443  | -.06731 | .00010  | .00062 | -.00345 | .02975 | -.00036 |
| 2.500    | 42.348 | -.00429 | 544.53406 | 1.64621 | .08926  | -.10603 | -.00047 | .00212 | -.00646 | .02960 | -.00058 |
| 2.500    | 44.399 | -.01013 | 543.81710 | 1.7.536 | .06715  | -.11033 | .00099  | .00230 | -.00322 | .03003 | -.00046 |
| GRADIENT | .00174 | -.04664 | .03243    | -.00076 | -.00271 | .00007  | -.00010 | .00009 | .00012  | .00007 | .00001  |

0A44 UPWT 1035 COMP-2A B15C50TMR4A07E1MR2V316

(RPM18) ( 10 JUL 73 )

REFERENCE DATA

WREF = 87.1900 50.1M. XMRP = 13.1488 INCHES  
 LREF = 7.1820 INCHES YMRP = .0000 INCHES  
 BREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ATTURON = .000 RUDDER = -10.000  
 BDPLAP = -14.250 SPOBRK = 54.920

RUN NO. 43/ 0 RWL = 2.50 GRADIENT INTERVAL = -5.00/ 3.00

| MACH     | ALPHA  | BETA    | Q (PSF)   | CN      | CA      | CLM     | CBL     | CYN     | CY      | CAB    | CAC     |
|----------|--------|---------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 3.900    | -4.374 | -.03417 | 376.08433 | -.11782 | .10897  | -.02238 | -.00249 | .00486  | -.00650 | .01196 | .00006  |
| 3.900    | -2.202 | -.03013 | 375.92394 | -.07617 | .10210  | -.01948 | -.00223 | .00437  | -.00661 | .01226 | .00034  |
| 3.900    | -1.248 | -.03002 | 375.99611 | -.05332 | .10020  | -.02062 | -.00223 | .00437  | -.00662 | .01231 | .00006  |
| 3.900    | -.156  | -.02999 | 376.07631 | -.03170 | .09867  | -.01977 | -.00211 | .00444  | -.00354 | .01239 | .00006  |
| 3.900    | .653   | -.02983 | 376.14046 | -.01103 | .09743  | -.01982 | -.00210 | .00455  | -.00670 | .01231 | .00006  |
| 3.900    | 1.801  | -.02947 | 376.07631 | .00963  | .09690  | -.02081 | -.00197 | .00455  | -.00674 | .01217 | -.00006 |
| 3.900    | 3.652  | -.02925 | 376.12442 | .05626  | .09475  | -.02071 | -.00196 | .00441  | -.00587 | .01231 | .00006  |
| 3.900    | 5.980  | -.02887 | 376.01215 | .10562  | .09326  | -.02374 | -.00185 | .00440  | -.00374 | .01231 | .00006  |
| 3.900    | 8.187  | -.02479 | 376.07631 | .16377  | .09178  | -.02716 | -.00171 | .00410  | -.00363 | .01248 | .00020  |
| 3.900    | 10.077 | -.02098 | 376.02017 | .21909  | .09310  | -.03019 | -.00159 | .00369  | -.00479 | .01253 | .00006  |
| 3.900    | 12.656 | -.01661 | 376.08433 | .29649  | .09143  | -.03379 | -.00132 | .00336  | -.00493 | .01272 | .00006  |
| 3.900    | 16.319 | -.01204 | 376.09233 | .42311  | .09179  | -.03861 | -.00131 | .00294  | -.00400 | .01272 | .00006  |
| 3.900    | 20.591 | -.01070 | 376.02819 | .57286  | .09249  | -.04060 | -.00117 | .00266  | -.00423 | .01272 | .00006  |
| 3.900    | 25.775 | -.00313 | 376.02017 | .77221  | .09341  | -.04112 | -.00127 | .00231  | -.00459 | .01264 | .00006  |
| 3.900    | 31.046 | -.00671 | 376.06829 | .99947  | .09357  | -.04979 | -.00162 | .00266  | -.00477 | .01267 | .00020  |
| 3.900    | 36.314 | .00245  | 376.02819 | 1.23893 | .09307  | -.06139 | -.00098 | .00174  | -.00246 | .01291 | -.00006 |
| 3.900    | 41.475 | .00470  | 376.06027 | 1.49103 | .09008  | -.07447 | -.00108 | .00156  | -.00235 | .01291 | -.00006 |
| 3.900    | 43.793 | .00522  | 376.14046 | 1.59734 | .08454  | -.08704 | -.00071 | .00129  | -.00004 | .01269 | -.00023 |
| GRADIENT |        | .00050  | .01400    | .02121  | -.00145 | .00012  | .00006  | -.00024 | .00007  | .00003 | -.00002 |



0A44 UPM1 1033 COMP-2A 810C507M37407E1ER9V5116

(RPM12) ( 10 JUL 73 )

REFERENCE DATA

BRCP = 07.1500 90.1M. XMRP = 13.1400 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRCP = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

BETA = .000 ELEVTR = .000  
 AIRLON = .000 RUDDER = -10.000  
 BDFLAP = -14.250 SPDRBK = 54.920

PARAMETRIC DATA

RUN NO. 44/ 0 RW/L = 8.90 GRADIENT INTERVAL = -9.00/ 3.00

| MACH  | ALPHA    | BETA    | Q (PSF)   | CN      | CA      | CLM     | CBL     | CYN     | CY      | CAB     | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4.000 | -3.975   | -.02348 | 294.80129 | -.10632 | .10639  | -.02369 | -.00238 | .00499  | -.00493 | .00900  | .00026  |
| 4.000 | -1.863   | -.02341 | 294.80129 | -.07036 | .09822  | -.02197 | -.00223 | .00484  | -.00354 | .00691  | .00006  |
| 4.000 | -.816    | -.01985 | 294.80129 | -.03145 | .07677  | -.02196 | -.00206 | .00446  | -.00359 | .00661  | .00006  |
| 4.000 | .103     | -.01890 | 294.37206 | -.02903 | .08837  | -.02174 | -.00206 | .00446  | -.00363 | .00691  | .00006  |
| 4.000 | 1.346    | -.01935 | 294.80129 | -.00611 | .09171  | -.02172 | -.00190 | .00446  | -.00367 | .00691  | .00006  |
| 4.000 | 2.140    | -.01927 | 294.80129 | .00897  | .08926  | -.02266 | -.00174 | .00446  | -.00369 | .00661  | .00006  |
| 4.000 | 4.334    | -.01991 | 294.80129 | .03710  | .06674  | -.02200 | -.00157 | .00445  | -.00379 | .00661  | .00006  |
| 4.000 | 6.341    | -.01496 | 294.80129 | .10137  | .06461  | -.02369 | -.00140 | .00406  | -.00367 | .00691  | .00006  |
| 4.000 | 8.331    | -.01463 | 294.37206 | .14975  | .06310  | -.02494 | -.00125 | .00392  | -.00451 | .00910  | .00026  |
| 4.000 | 10.315   | -.01085 | 294.37206 | .20523  | .06227  | -.02904 | -.00106 | .00355  | -.00460 | .00910  | .00026  |
| 4.000 | 12.762   | -.00691 | 294.80129 | .27367  | .06157  | -.03116 | -.00092 | .00302  | -.00326 | .00934  | .00006  |
| 4.000 | 14.727   | -.00394 | 294.80129 | .40513  | .06373  | -.03416 | -.00075 | .00297  | -.00351 | .00934  | .00006  |
| 4.000 | 20.725   | -.00462 | 294.80129 | .94756  | .06670  | -.03295 | -.00069 | .00290  | -.00376 | .00934  | .00006  |
| 4.000 | 25.875   | .00017  | 294.80129 | .74522  | .06773  | -.03746 | -.00071 | .00232  | -.00266 | .00934  | .00006  |
| 4.000 | 31.090   | -.00161 | 294.80129 | .96034  | .06624  | -.04713 | -.00064 | .00272  | -.00430 | .00934  | .00006  |
| 4.000 | 36.333   | .00337  | 294.80129 | 1.19041 | .06173  | -.05697 | -.00035 | .00266  | -.00265 | .00934  | .00006  |
| 4.000 | 41.425   | .00623  | 294.80129 | 1.42059 | .06619  | -.07534 | -.00003 | .00126  | .00049  | .00934  | .00006  |
| 4.000 | 43.720   | .01237  | 294.80129 | 1.51502 | .07977  | -.08996 | .00000  | .00099  | -.00076 | .00905  | -.00011 |
| 4.000 | GRADIENT | .00062  | -.00011   | .01992  | -.00236 | .00013  | .00010  | -.00007 | .00010  | -.00002 | -.00002 |

0A44 UPWT 1035 CONF-2A 810C307MBF4X16

(RPMA13) ( 10 JUL 73 )

REFERENCE DATA

SIZE = 87.190 94.1IN. XMRP = 13.1469 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 WREF = 14.0902 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

RUN NO. 43/ 0 RW/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00  
 BETA = .000 BDFLAP = -14.250

PARAMETRIC DATA

| MAC-1 | ALPHA    | BETA   | Q (PSF)   | CN      | CA      | CLM     | CBL     | CTN     | CY      | CAB     | CAC     |
|-------|----------|--------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 2.500 | -4.404   | .02617 | 543.84271 | -.07650 | .06826  | -.03728 | -.00136 | -.00040 | .00020  | .02583  | -.00037 |
| 2.500 | -2.170   | .03036 | 544.30361 | -.05244 | .06377  | -.02732 | -.00099 | -.00060 | .00006  | .02537  | -.00037 |
| 2.500 | -1.281   | .03062 | 544.48285 | -.04368 | .08289  | -.02294 | -.00107 | -.00061 | .00002  | .02515  | -.00037 |
| 2.500 | -.201    | .03090 | 544.45725 | -.03673 | .06124  | -.01621 | -.00114 | -.00061 | -.00003 | .02509  | -.00037 |
| 2.500 | .873     | .03478 | 544.61573 | -.02389 | .07994  | -.01202 | -.00129 | -.00082 | -.00006 | .02474  | -.00027 |
| 2.500 | 1.745    | .03479 | 544.73691 | -.01922 | .07869  | -.00792 | -.00127 | -.00090 | .00069  | .02455  | -.00017 |
| 2.500 | 3.935    | .03933 | 544.45725 | -.00287 | .07358  | .00287  | -.00097 | -.00095 | -.00101 | .02419  | -.00006 |
| 2.500 | 3.939    | .03981 | 544.25240 | .01768  | .07369  | .01096  | -.00063 | -.00103 | -.00035 | .02432  | -.00017 |
| 2.500 | 8.153    | .04406 | 544.17558 | .04053  | .07427  | .02096  | -.00023 | -.00116 | -.00129 | .02583  | -.00017 |
| 2.500 | 9.930    | .04057 | 543.61710 | .06115  | .07372  | .02937  | -.00006 | -.00114 | .00016  | .02726  | -.00017 |
| 2.500 | 12.267   | .04164 | 544.38043 | .08699  | .07024  | .04146  | -.00012 | -.00100 | -.00151 | .02703  | -.00003 |
| 2.500 | 16.333   | .03967 | 544.73891 | .13343  | .06567  | .06284  | .00048  | -.00076 | -.00260 | .02710  | .00003  |
| 2.500 | 20.478   | .03742 | 544.22679 | .22569  | .06306  | .08599  | -.00012 | -.00069 | -.00201 | .02723  | -.00007 |
| 2.500 | 25.393   | .03990 | 544.48285 | .31993  | .05870  | .12389  | -.00028 | -.00066 | -.00318 | .02837  | -.00007 |
| 2.500 | 30.767   | .04220 | 544.20115 | .41781  | .05629  | .15503  | -.00046 | -.00075 | -.00354 | .03031  | -.00007 |
| 2.500 | 36.118   | .04073 | 544.94376 | .52382  | .05278  | .19013  | -.00070 | -.00079 | -.00235 | .03100  | -.00007 |
| 2.500 | 41.109   | .03945 | 544.84134 | .63444  | .04753  | .21951  | -.00091 | -.00067 | -.00270 | .03084  | -.00017 |
| 2.500 | 43.295   | .03293 | 544.69255 | .67959  | .04437  | .23029  | -.00098 | -.00039 | -.00204 | .03027  | -.00017 |
|       | GRADIENT | .00152 | .08467    | .00895  | -.00129 | .00496  | .00002  | -.00007 | -.00009 | -.00016 | .00006  |

0444 UPM1 1085 COMP-SA B10C807M34X18

(RPM113) ( 10 JUL 73 )

REFERENCE DATA

WREP = 07.1380 80.1M. XMRP = 13.1488 INCHES  
 YREP = 7.1220 INCHES YMRP = .0000 INCHES  
 ZREP = 14.0702 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

BETA = .000 BOFLAP = -14.330

PARAMETRIC DATA

RUN NO. 46/ 0 RM/L = 2.90 GRADIENT INTERVAL = -9.00/ 9.00

| MACH     | ALPHA  | BETA   | Q (MRF)   | CN      | CA      | CLM     | CBL     | CYN     | CY      | CLB     | CAC     |
|----------|--------|--------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3.900    | -4.132 | .01642 | 376.11640 | -.06612 | .04965  | -.03971 | -.00226 | -.00024 | .00264  | .01253  | .00080  |
| 3.900    | -2.173 | .01677 | 376.05223 | -.04876 | .04620  | -.03043 | -.00222 | -.00023 | .00233  | .01233  | .00020  |
| 3.900    | -1.034 | .01693 | 375.97203 | -.04199 | .04421  | -.02324 | -.00232 | -.00026 | .00232  | .01240  | .00006  |
| 3.900    | -.096  | .01608 | 375.97203 | -.03244 | .04264  | -.02187 | -.00242 | -.00026 | .00230  | .01240  | .00006  |
| 3.900    | 1.009  | .01923 | 375.77939 | -.02374 | .04117  | -.01797 | -.00240 | -.00027 | .00247  | .01199  | .00006  |
| 3.900    | 1.917  | .01941 | 376.04433 | -.01626 | .04240  | -.01466 | -.00236 | -.00027 | .00242  | .01213  | .00020  |
| 3.900    | 3.933  | .01973 | 376.23669 | -.00133 | .03949  | -.00377 | -.00196 | -.00028 | .00230  | .01199  | .00006  |
| 3.900    | 6.191  | .02005 | 376.18838 | .01603  | .03493  | .00262  | -.00156 | -.00029 | .00218  | .01232  | .00006  |
| 3.900    | 6.182  | .02063 | 376.07631 | .03666  | .03410  | .01139  | -.00118 | -.00018 | .00091  | .01224  | .00076  |
| 3.900    | 10.046 | .02443 | 376.16432 | .03427  | .03292  | .01979  | -.00069 | -.00039 | .00193  | .01247  | .00020  |
| 3.900    | 12.433 | .02127 | 376.09233 | .06239  | .03108  | .02930  | -.00096 | -.00032 | .00164  | .01239  | -.00009 |
| 3.900    | 16.490 | .02394 | 376.09233 | .13932  | .04931  | .02111  | -.00111 | -.00044 | .00132  | .01266  | .00006  |
| 3.900    | 20.473 | .02711 | 376.02819 | .20271  | .04631  | .07862  | -.00123 | -.00049 | .00132  | .01266  | .00006  |
| 3.900    | 25.635 | .02313 | 375.96007 | .29077  | .04710  | .11396  | -.00124 | -.00047 | .00092  | .01266  | .00006  |
| 3.900    | 30.329 | .02677 | 376.02819 | .36447  | .04630  | .14944  | -.00124 | -.00034 | .00034  | .01260  | .00020  |
| 3.900    | 35.864 | .02642 | 375.96009 | .48776  | .04319  | .18769  | -.00145 | -.00073 | .00126  | .01259  | .00006  |
| 3.900    | 41.219 | .03041 | 376.02819 | .60230  | .04098  | .21996  | -.00163 | -.00049 | -.00023 | .01266  | .00006  |
| 3.900    | 43.044 | .02737 | 376.11640 | .64123  | .03667  | .23049  | -.00170 | -.00043 | -.00036 | .01266  | .00026  |
| GRADIENT |        | .00016 | .00744    | .00816  | -.00121 | .00410  | .00002  | -.00000 | -.00004 | -.00006 | -.00001 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



0A44 UPWT 1033 COMP-2A 810C107W574X10

09PM183) ( 10 JUL 73 )

REFERENCE DATA

MREP = 87.1800 80.1M. XMRP = 13.1488 INCHES  
 LMRP = 7.1820 INCHES YMRP = .0000 INCHES  
 ZMRP = 14.0302 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 BDFLUP = -14.830

RUN NO. 477 0 RM/L = 2.90 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | BETA   | Q (PSF)   | CN      | CA      | QLM     | CBL     | CYM     | CY      | CAB     | CAC     |
|-------|----------|--------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4.600 | -3.770   | .01869 | 294.67017 | -.04351 | .06898  | -.03734 | -.00271 | -.00016 | .00187  | .00883  | .00007  |
| 4.600 | -1.740   | .01894 | 294.67017 | -.04669 | .06278  | -.02921 | -.00282 | -.00017 | .00181  | .00883  | .00007  |
| 4.600 | -.829    | .01908 | 294.67017 | -.03833 | .06102  | -.02582 | -.00279 | -.00016 | .00177  | .00883  | .00007  |
| 4.600 | .373     | .01920 | 294.67017 | -.02969 | .05817  | -.02080 | -.00276 | -.00018 | .00173  | .00884  | -.00011 |
| 4.600 | 1.425    | .01932 | 294.67017 | -.02124 | .05629  | -.01743 | -.00273 | -.00019 | .00170  | .00884  | -.00011 |
| 4.600 | 2.321    | .01943 | 293.09940 | -.01301 | .05453  | -.01399 | -.00267 | -.00019 | .00166  | .00883  | .00007  |
| 4.600 | 3.472    | .01971 | 294.67017 | .00181  | .05243  | -.00526 | -.00219 | -.00020 | .00153  | .00894  | -.00011 |
| 4.600 | 4.461    | .01998 | 294.67017 | .01663  | .04989  | .00333  | -.00169 | -.00020 | .00140  | .00884  | -.00011 |
| 4.600 | 5.321    | .02027 | 294.67017 | .03320  | .04826  | .01155  | -.00120 | -.00021 | .00127  | .00883  | .00007  |
| 4.600 | 10.487   | .02080 | 294.67017 | .05743  | .04724  | .02039  | -.00061 | -.00022 | .00113  | .00883  | .00007  |
| 4.600 | 12.468   | .02094 | 294.67017 | .07841  | .04708  | .02887  | -.00090 | -.00023 | .00104  | .00883  | .00007  |
| 4.600 | 16.641   | .02180 | 294.67017 | .13370  | .04446  | .03275  | -.00109 | -.00027 | .00081  | .00883  | .00007  |
| 4.600 | 20.648   | .02274 | 294.67017 | .19701  | .04413  | .07903  | -.00126 | -.00032 | .00054  | .00891  | .00026  |
| 4.600 | 25.652   | .02407 | 294.67017 | .28241  | .04427  | .11520  | -.00123 | -.00035 | .00014  | .00872  | .00007  |
| 4.600 | 30.606   | .02537 | 294.67017 | .37462  | .04191  | .14429  | -.00126 | -.00044 | -.00024 | .00907  | -.00011 |
| 4.600 | 36.103   | .02616 | 294.67017 | .47591  | .04227  | .18093  | -.00132 | -.00050 | -.00060 | .00907  | -.00011 |
| 4.600 | 40.950   | .02447 | 294.67017 | .57650  | .03931  | .21212  | -.00175 | -.00022 | -.00095 | .00907  | -.00011 |
| 4.600 | 43.376   | .02635 | 294.67017 | .62108  | .03312  | .21804  | -.00167 | -.00073 | .00041  | .00883  | .00007  |
| 4.600 | GRADIENT | .00012 | -.02018   | .00905  | -.00185 | .00391  | .00906  | -.00000 | -.00004 | -.00003 | -.00002 |



0444 UPWT 1035 CONF-ZA B10C30TMSF A407E10R3V3116

(RPN14) ( 10 JUL 75 )

REFERENCE DATA

BRZF = 07.1500 IN. YMRP = 13.1400 INCHES  
 LWER = 7.1250 INCHES YMRP = .0000 INCHES  
 BRZF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0130 SCALE

ALPHA = .000 ELEVTR = .000  
 AILRON = .000 BLDGCR = .000  
 BDFLAP = -14.230 SPDRNK = 34.920

PARAMETRIC DATA

RUN NO. 6/ 0 RML = 2.30 GRADIENT INTERVAL = -5.00/ 3.00

| MAOH     | BETA   | ALPHA    | G (PSF)   | CH      | CA     | CLM     | CLL     | CYM     | CY      | CAB     | CAC     |
|----------|--------|----------|-----------|---------|--------|---------|---------|---------|---------|---------|---------|
| 3,900    | -4.032 | -1.0984  | 376.18036 | -.02489 | .09814 | -.02331 | .00146  | -.00131 | .06004  | .01192  | -.00009 |
| 3,900    | -2.029 | -1.17036 | 375.89186 | -.02641 | .09826 | -.02193 | .00030  | .00020  | .02831  | .01211  | -.00023 |
| 3,900    | -1.029 | -1.0336  | 375.97203 | -.02434 | .09797 | -.02229 | -.00015 | .00087  | .01240  | .01177  | -.00023 |
| 3,900    | -.014  | -1.0436  | 375.16432 | -.02331 | .09793 | -.02220 | -.00075 | .00120  | -.00121 | .01177  | -.00023 |
| 3,900    | 1.007  | -1.0237  | 376.00413 | -.02616 | .09800 | -.02212 | -.00120 | .00167  | -.01711 | .01177  | -.00023 |
| 3,900    | 2.022  | -.0073   | 375.91992 | -.02703 | .09872 | -.02206 | -.00179 | .00211  | -.03196 | .01177  | -.00023 |
| 3,900    | 4.033  | -1.0314  | 376.11640 | -.02379 | .10024 | -.02248 | -.00294 | .00371  | -.06248 | .01192  | -.00009 |
| 3,900    | 6.088  | -1.1101  | 376.07631 | -.02473 | .10143 | -.02344 | -.00374 | .00494  | -.09426 | .01223  | -.00009 |
| GRADIENT |        | -.00307  | -.00413   | -.00014 | .00013 | .00007  | -.00033 | .00039  | -.01303 | -.00002 | .00000  |

RUN NO. 14/ 0 RML = 2.30 GRADIENT INTERVAL = -5.00/ 3.00

| MAOH     | BETA   | ALPHA   | G (PSF)   | CH      | CA     | CLM     | CLL     | CYM     | CY      | CAB     | CAC     |
|----------|--------|---------|-----------|---------|--------|---------|---------|---------|---------|---------|---------|
| 4,800    | -4.034 | .23103  | 294.06006 | -.01791 | .09170 | -.02607 | .00134  | -.00062 | .03222  | .00943  | -.00011 |
| 4,800    | -1.998 | .21419  | 294.06006 | -.01932 | .09011 | -.02304 | .00037  | .00031  | .02319  | .00943  | -.00011 |
| 4,800    | -1.024 | .20173  | 294.46931 | -.01656 | .09003 | -.02644 | -.00011 | .00123  | .00946  | .00943  | -.00011 |
| 4,800    | -.010  | .20236  | 294.46931 | -.01722 | .09443 | -.02473 | -.00076 | .00148  | -.00436 | .00943  | -.00030 |
| 4,800    | 1.003  | .20906  | 294.06006 | -.01801 | .09017 | -.02469 | -.00109 | .00222  | -.01691 | .00940  | -.00011 |
| 4,800    | 1.998  | .20346  | 294.06006 | -.01875 | .09101 | -.02465 | -.00136 | .00246  | -.03196 | .00943  | -.00011 |
| 4,800    | 4.067  | .19329  | 294.46931 | -.01631 | .09239 | -.02324 | -.00233 | .00307  | -.01948 | .00943  | -.00011 |
| 4,800    | 6.077  | .23020  | 294.46931 | -.01830 | .09407 | -.02672 | -.00333 | .00413  | -.09140 | .00943  | -.00011 |
| GRADIENT |        | -.00343 | .00034    | .00013  | .00013 | .00017  | -.00048 | .00046  | -.01376 | -.00001 | .00000  |

Q444 UPRT 1033 COMP-2A B10C287N0F40PTELE08V95K16

(RPM153) ( 10 JUL 73 )

REFERENCE DATA

WREF = 07.1500 30.1M. YMRP = 13.1468 INCHES  
 WREF = 7.1800 INCHES YMRP = .0000 INCHES  
 WREF = 14.0902 INCHES YMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

ALPHA = 20.0000 ELEVTR = .000  
 ATLRON = .0000 RUDDER = .000  
 B0PLAP = -14.230 SPOORIK = 34.970

PARAMETRIC DATA

RUN NO. 9/ 0 RW/L = 2.90 GRADIENT INTERVAL = -5.00/ 9.00

| MACH     | BETA   | ALPHA    | Q (PSF)   | CN      | CA     | CLM     | CLL     | CYN     | CY      | CAB     | CAC     |
|----------|--------|----------|-----------|---------|--------|---------|---------|---------|---------|---------|---------|
| 3.000    | -4.134 | 20.90223 | 375.84900 | .57703  | .09147 | -.03939 | .00309  | .00360  | .04404  | .01298  | -.00009 |
| 3.000    | -2.078 | 20.51331 | 376.03621 | .57781  | .09174 | -.03967 | .00371  | .00371  | .01916  | .01258  | -.00009 |
| 3.000    | -1.041 | 20.32296 | 376.08027 | .57891  | .09137 | -.03963 | .00358  | .00232  | .06690  | .01298  | -.00009 |
| 3.000    | -.008  | 20.90102 | 375.88780 | .57844  | .09084 | -.03960 | -.00079 | .00109  | -.00322 | .01236  | -.00023 |
| 3.000    | 1.007  | 20.51057 | 376.01215 | .57337  | .09143 | -.03979 | -.00227 | -.00014 | -.01333 | .01290  | -.00009 |
| 3.000    | 2.040  | 20.48922 | 376.04423 | .57451  | .09192 | -.03977 | -.00362 | -.00126 | -.02459 | .01236  | -.00023 |
| 3.000    | 4.142  | 20.48004 | 376.10838 | .57350  | .09194 | -.04025 | -.00669 | -.00309 | -.04817 | .01290  | -.00023 |
| 3.000    | 6.202  | 20.47807 | 376.00413 | .57386  | .09234 | -.04020 | -.00938 | -.00491 | -.07298 | .01298  | -.00023 |
| GRADIENT |        | -.00342  | .01409    | -.00033 | .00004 | -.00007 | -.00141 | -.00109 | -.01093 | -.00002 | -.00001 |

RUN NO. 13/ 0 RW/L = 2.90 GRADIENT INTERVAL = -5.00/ 9.00

| MACH     | BETA   | ALPHA    | Q (PSF)   | CN      | CA      | CLM     | CLL     | CYN     | CY      | CAB    | CAC     |
|----------|--------|----------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 4.000    | -4.102 | 20.75312 | 294.06008 | .55937  | .08344  | -.03604 | .00420  | .00419  | .03508  | .00683 | -.00011 |
| 4.000    | -2.040 | 20.75591 | 294.48921 | .56077  | .08413  | -.03505 | .00176  | .00403  | .01341  | .00687 | -.00030 |
| 4.000    | -1.013 | 20.74470 | 294.48931 | .56007  | .08378  | -.03501 | .00062  | .00291  | .00333  | .00906 | -.00011 |
| 4.000    | -.006  | 20.74407 | 294.48931 | .55936  | .08338  | -.03499 | -.00069 | .00126  | -.00529 | .00687 | -.00030 |
| 4.000    | 1.025  | 20.72374 | 294.48531 | .56237  | .08379  | -.03370 | -.00183 | -.00023 | -.01538 | .00906 | -.00011 |
| 4.000    | 2.027  | 20.74563 | 294.48931 | .56167  | .08417  | -.03369 | -.00299 | -.00116 | -.02400 | .00687 | -.00030 |
| 4.000    | 4.097  | 20.73247 | 294.06009 | .56080  | .08475  | -.03734 | -.00376 | -.00344 | -.04418 | .00903 | -.00011 |
| 4.000    | 6.159  | 20.72103 | 294.06009 | .5612   | .08519  | -.03729 | -.00652 | -.00486 | -.06373 | .00903 | -.00011 |
| GRADIENT |        | -.00261  | .00993    | -.00012 | -.00017 | -.00017 | -.00121 | -.00121 | -.00935 | .00004 | -.00030 |



GA44 UPMT 1033 CONF-2A B10C907H3F4407E10M3V3X16

(RPM16) ( 10 JUL 75 )

REFERENCE DATA

BREF = 87.1980 34.1N. XMRP = 13.1469 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0302 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .130 SCALE

PARAMETRIC DATA

ALPHA = 30.000 ELEVTR = .000  
 AILPON = .000 RUDDER = .000  
 SDPLAP = -14.250 SPDBRK = 94.920

IIUM NO. 10/ 0 RW/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | BETA   | ALPHA    | Q (PSF)   | CN       | CA     | CLM     | CBL     | CYN     | CY      | CAB    | CAC     |
|----------|--------|----------|-----------|----------|--------|---------|---------|---------|---------|--------|---------|
| 3.900    | -4.142 | 31.02154 | 376.03621 | 1.00857  | .09147 | -.04928 | .00877  | .00639  | .04188  | .01250 | -.00609 |
| 3.900    | -2.055 | 31.01937 | 375.96404 | 1.00462  | .09116 | -.04923 | .00306  | .00331  | .01953  | .01236 | -.00023 |
| 3.900    | -1.022 | 31.00700 | 375.94800 | 1.00393  | .09091 | -.04919 | .00112  | .00230  | .00725  | .01250 | -.00009 |
| 3.900    | -.015  | 31.02091 | 375.97205 | 1.00350  | .09091 | -.04844 | -.00148 | .00165  | -.00494 | .01250 | -.00009 |
| 3.900    | .993   | 29.09112 | 375.94800 | -1.03416 | .10986 | .34554  | -.00734 | .00109  | -.01484 | .01256 | -.00009 |
| 3.900    | 2.037  | 31.02290 | 376.01629 | 1.00836  | .09155 | -.04770 | -.00306 | -.00079 | -.02816 | .01263 | -.00036 |
| 3.900    | 4.141  | 31.03329 | 376.02017 | 1.00470  | .09168 | -.04841 | -.00682 | -.00443 | -.04857 | .01244 | -.00023 |
| 3.900    | 6.219  | 31.03133 | 376.00413 | 1.00300  | .09223 | -.04840 | -.01207 | -.00802 | -.04870 | .01263 | -.00036 |
| GRADIENT |        | -.04186  | .00331    | -.04378  | .00048 | .00916  | -.00190 | -.00122 | -.01097 | .00001 | -.00002 |

RUN NO. 16/ 0 RW/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | BETA   | ALPHA    | Q (PSF)   | CN     | CA      | CLM     | CBL     | CYN     | CY      | CAB     | CAC     |
|----------|--------|----------|-----------|--------|---------|---------|---------|---------|---------|---------|---------|
| 4.600    | -4.108 | 31.14561 | 294.48931 | .77211 | .08625  | -.04393 | .00829  | .00710  | .03403  | .00906  | -.00011 |
| 4.600    | -2.041 | 31.14682 | 294.48931 | .97403 | .08582  | -.04460 | .00275  | .00409  | .01404  | .00696  | -.00030 |
| 4.600    | -1.031 | 31.15878 | 294.48931 | .97872 | .08573  | -.04694 | .00096  | .00259  | .00406  | .00696  | -.00030 |
| 4.600    | .013   | 31.13550 | 294.06008 | .97724 | .08556  | -.04696 | -.00079 | .00160  | -.00736 | .00903  | -.00011 |
| 4.600    | 1.020  | 31.13608 | 294.48931 | .97312 | .08568  | -.04526 | -.00242 | .00030  | -.01593 | .00687  | -.00030 |
| 4.600    | 2.030  | 31.11287 | 294.48931 | .97429 | .08597  | -.04525 | -.00419 | -.00120 | -.02593 | .00687  | -.00030 |
| 4.600    | 4.108  | 31.12280 | 294.06008 | .97401 | .08608  | -.04530 | -.00781 | -.00436 | -.04455 | .00687  | -.00030 |
| 4.600    | 6.183  | 31.09894 | 294.06008 | .97239 | .08659  | -.04529 | -.01101 | -.00752 | -.06313 | .00903  | -.00011 |
| GRADIENT |        | -.00423  | -.04009   | .00019 | -.00001 | -.00012 | -.00169 | .00136  | -.00982 | -.00003 | -.00002 |

0A44 UPRT 1035 COMP-SA B1CC507M3F/407E10R3V5X16

(RPNM17) ( 10 JUL 73 )

REFERENCE DATA

MREF = 07.1500 IN. XMRP = 13.1400 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRP = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

ALPHA = 40.000 ELEVTR = .000  
 AIRLON = .000 RUDDER = .000  
 BDFLAP = -14.250 SPOBRK = 94.920

RUN NO. 11/ 0 RIVL = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | BETA   | ALPHA    | Q (PSF)   | CN      | CA     | CLM     | CBL     | CYN     | CY      | CAB     | CAC     |
|----------|--------|----------|-----------|---------|--------|---------|---------|---------|---------|---------|---------|
| 3.900    | -4.190 | 41.57562 | 375.86764 | 1.49084 | .08310 | -.07416 | .00702  | .00973  | .03088  | .01222  | -.00038 |
| 3.900    | -2.064 | 41.57112 | 375.93998 | 1.48878 | .08507 | -.07673 | .00317  | .00467  | .01424  | .01236  | -.00023 |
| 3.900    | -1.039 | 41.56797 | 376.09235 | 1.49337 | .08635 | -.07403 | .00132  | .00259  | .00416  | .01236  | -.00023 |
| 3.900    | -.007  | 41.56815 | 376.08433 | 1.49232 | .08703 | -.07277 | -.00092 | .00123  | -.00463 | .01236  | -.00023 |
| 3.900    | 1.027  | 41.55307 | 376.14948 | 1.49126 | .08608 | -.07527 | -.00279 | -.00011 | -.01347 | .01236  | -.00023 |
| 3.900    | 2.062  | 41.55345 | 376.04423 | 1.49099 | .08579 | -.07403 | -.00465 | -.00326 | -.02127 | .01222  | -.00038 |
| 3.900    | 4.173  | 41.56285 | 375.95602 | 1.48697 | .08615 | -.07095 | -.00837 | -.00792 | -.03908 | .01222  | -.00038 |
| 3.900    | 6.262  | 41.56188 | 376.18056 | 1.48134 | .08713 | -.06655 | -.01206 | -.01235 | -.05914 | .01199  | -.00052 |
| GRADIENT |        | -.00232  | .01258    | -.00031 | .00012 | .00039  | -.00186 | -.00205 | -.00845 | -.00001 | -.00001 |

RUN NO. 17/ 0 RIVL = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | BETA   | ALPHA    | Q (PSF)   | CN      | CA     | CLM     | CBL     | CYN     | CY      | CAB     | CAC     |
|----------|--------|----------|-----------|---------|--------|---------|---------|---------|---------|---------|---------|
| 4.600    | -4.127 | 41.53944 | 294.48931 | 1.43215 | .08077 | -.07163 | .00840  | .00979  | .02612  | .00845  | -.00030 |
| 4.600    | -2.045 | 41.54093 | 294.48931 | 1.43443 | .08073 | -.07237 | .00330  | .00492  | .01041  | .00845  | -.00030 |
| 4.600    | -1.009 | 41.55056 | 294.48931 | 1.43359 | .08026 | -.07400 | .00167  | .00241  | .00331  | .00853  | -.00011 |
| 4.600    | .020   | 41.55386 | 294.06008 | 1.43865 | .08036 | -.07320 | -.00027 | .00075  | -.00321 | .00863  | -.00011 |
| 4.600    | 1.011  | 41.54160 | 294.06708 | 1.43789 | .08167 | -.07323 | -.00191 | -.00090 | -.01377 | .00844  | -.00030 |
| 4.600    | 2.066  | 41.55247 | 294.48931 | 1.43500 | .08109 | -.07312 | -.00332 | -.00326 | -.02232 | .00863  | -.00011 |
| 4.600    | 4.132  | 41.52756 | 294.48931 | 1.43349 | .08161 | -.07314 | -.00710 | -.00742 | -.03793 | .00835  | -.00030 |
| 4.600    | 6.191  | 41.50222 | 294.48931 | 1.43024 | .08176 | -.07078 | -.01066 | -.01093 | -.05644 | .00845  | -.00030 |
| GRADIENT |        | -.00073  | -.00079   | -.00025 | .00013 | -.00016 | -.00165 | -.00205 | -.00785 | -.00000 | -.00000 |

\*\*\*ERROR MSG: THERE IS NO AERO DATASET NAMED RPNM17



OA44 UPWT 1035 COMP4 819CTE23P3M4R5V7M10TX16

(RPMA19) ( 10 JUL 73 )

REFERENCE DATA

SREF = 87.1360 SQ. IN. XMRP = 12.9772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0130 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ALLRON = .000 RUDDER = .000  
 BDFLAP = -14.250 SPDBRK = 54.920

RUN NO. 51/ 0 RIV/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | ALPHA  | BETA    | Q (PSF)   | CN      | CA      | CLM     | CBL     | C'N     | CY      | CAS    | CAC     |
|----------|--------|---------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 2.500    | -4.912 | .03803  | 542.48560 | -.19829 | .13066  | .00827  | -.00018 | -.00098 | -.00028 | .02408 | -.00038 |
| 2.500    | -2.782 | .03518  | 543.20256 | -.12872 | .12836  | .00366  | .00001  | -.00073 | -.00115 | .02468 | .00002  |
| 2.500    | -1.688 | .03585  | 543.61225 | -.09808 | .12735  | .00116  | .00011  | -.00066 | -.00197 | .02480 | -.00008 |
| 2.500    | -.961  | .03598  | 543.33059 | -.06340 | .12610  | -.00090 | .00001  | -.00092 | -.00042 | .02494 | .00002  |
| 2.500    | .433   | .03283  | 543.88907 | -.03075 | .12446  | -.00212 | .00020  | -.00048 | -.00204 | .02480 | -.00004 |
| 2.500    | 1.440  | .03236  | 543.84271 | .00166  | .12333  | -.00469 | .00009  | -.00073 | .00030  | .02485 | .00002  |
| 2.500    | 3.461  | .03309  | 543.89392 | .06238  | .12011  | -.00912 | .00000  | -.00067 | -.00055 | .02526 | -.00008 |
| 2.500    | 5.917  | .02997  | 543.30498 | .13733  | .11693  | -.01452 | .00014  | -.00036 | .00016  | .02377 | -.00008 |
| 2.500    | 7.881  | .02873  | 544.12437 | .20813  | .11284  | -.01648 | .00029  | -.00036 | .00165  | .02596 | -.00008 |
| 2.500    | 9.873  | .02749  | 544.58528 | .27481  | .10949  | -.01762 | .00035  | -.00039 | .00154  | .02834 | -.00008 |
| 2.500    | 12.142 | .02074  | 543.99634 | .35121  | .10637  | -.02000 | .00065  | -.00036 | .00299  | .02746 | -.00017 |
| 2.500    | 16.236 | .01820  | 544.53406 | .49714  | .10093  | -.02700 | .00074  | -.00048 | .00314  | .02855 | -.00017 |
| 2.500    | 20.334 | .01222  | 544.38043 | .66311  | .09386  | -.03279 | .00101  | -.00049 | .00402  | .02874 | -.00027 |
| 2.500    | 25.726 | -.00090 | 543.68347 | .87098  | .08379  | -.04255 | .00095  | -.00022 | .01090  | .02904 | -.00007 |
| 2.500    | 31.305 | -.00545 | 543.45862 | 1.10621 | .07022  | -.05325 | .00109  | -.00031 | .01355  | .02785 | -.00017 |
| 2.500    | 36.719 | -.02441 | 543.48422 | 1.34861 | .06143  | -.06689 | .00070  | -.00031 | .01448  | .02777 | -.00037 |
| 2.500    | 41.879 | -.01164 | 543.76589 | 1.58094 | .05335  | -.08376 | .00193  | -.00075 | .02056  | .02810 | -.00027 |
| 2.500    | 44.256 | -.02513 | 543.86831 | 1.68276 | .04940  | -.09274 | .00182  | -.00017 | .02185  | .02821 | -.00027 |
| GRADIENT |        | -.00065 | .19991    | .03094  | -.00126 | -.00204 | .00002  | .00003  | .00004  | .00012 | .00003  |



0A44 UPM 1035 CONF4 819C723ZF5M4R5V7M107X16

(RPM19) ( 10 JUL 73 )

REFERENCE DATA

BREF = 07.1560 SQ.IN. XMRP = 12.3772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AIRCRN = .000 RUDDER = .000  
 BDPLAP = -14.230 SPOBRK = 34.920

RUN NO. 52/ 0 RWL = 2.50 GRADIENT INTERVAL = -3.00/ 5.00

| MACH  | ALPHA    | BETA    | Q (PSF)   | CN       | CA      | CLM     | CBL    | CYN     | CY      | CAB    | CAC     |
|-------|----------|---------|-----------|----------|---------|---------|--------|---------|---------|--------|---------|
| 3.900 | -4.475   | .03011  | 376.00413 | -1.14811 | .10397  | -.02090 | .00075 | -.00071 | -.00126 | .01167 | .00003  |
| 3.900 | -2.359   | .02669  | 376.25273 | -1.0431  | .09984  | -.01763 | .00099 | -.00036 | -.00021 | .01199 | .00003  |
| 3.900 | -1.351   | .02666  | 375.94800 | -.08367  | .09793  | -.01751 | .00100 | -.00036 | -.00024 | .01206 | .00003  |
| 3.900 | -.297    | .02706  | 375.95602 | -.06290  | .09365  | -.01607 | .00067 | -.00037 | -.00026 | .01206 | .00003  |
| 3.900 | .732     | .02707  | 376.04423 | -.04199  | .09377  | -.01486 | .00099 | -.00069 | .00082  | .01206 | .00003  |
| 3.900 | 1.692    | .02726  | 376.33293 | -.01935  | .09208  | -.01509 | .00099 | -.00070 | .00079  | .01215 | .00003  |
| 3.900 | 3.769    | .02770  | 376.19560 | .02926   | .08915  | -.01369 | .00096 | -.00072 | .00071  | .01214 | .00003  |
| 3.900 | 5.946    | .02449  | 376.40510 | .07484   | .08391  | -.01226 | .00081 | -.00045 | .00066  | .01234 | -.00009 |
| 3.900 | 7.992    | .02118  | 375.81969 | .13055   | .08301  | -.01129 | .00069 | -.00031 | .00170  | .01233 | -.00009 |
| 3.900 | 9.974    | .02142  | 376.36700 | .18562   | .08090  | -.01288 | .00093 | -.00044 | .00275  | .01256 | .00003  |
| 3.900 | 12.310   | .01940  | 375.90027 | .24437   | .07913  | -.01490 | .00080 | -.00019 | .00269  | .01267 | -.00009 |
| 3.900 | 16.231   | .01552  | 376.12442 | .33116   | .07598  | -.01643 | .00094 | -.00018 | .00475  | .01267 | -.00009 |
| 3.900 | 20.373   | .01282  | 376.17252 | .52452   | .07243  | -.01778 | .00097 | -.00020 | .00679  | .01267 | -.00009 |
| 3.900 | 25.595   | .00704  | 375.17254 | .72060   | .06869  | -.02141 | .00103 | -.00010 | .00874  | .01246 | .00003  |
| 3.900 | 30.663   | .00122  | 376.27293 | .91977   | .06429  | -.02931 | .00093 | -.00008 | .01174  | .01226 | -.00009 |
| 3.900 | 36.110   | -.00076 | 376.26877 | 1.17637  | .06118  | -.04089 | .00140 | -.00019 | .01424  | .01240 | .00003  |
| 3.900 | 41.415   | -.00575 | 375.81582 | 1.42551  | .05491  | -.05446 | .00110 | .00036  | .01572  | .01225 | -.00009 |
| 3.900 | 43.574   | -.00931 | 375.96859 | 1.52042  | .05023  | -.06499 | .00144 | .00011  | .01762  | .01184 | -.00010 |
| 3.900 | GRADIENT | -.00020 | .02357    | .02110   | -.00182 | .00082  | .00002 | -.00001 | .00025  | .00003 | -.00000 |



PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ATURON = .000 RUDDER = .000  
 BUPLAP = -14.250 SPOBRK = 54.950

REFERENCE DATA

MREF = 87.1560 84.1IN. XMRP = 12.5772 INCHES  
 YMRP = 7.1220 INCHES YMRP = .0000 INCHES  
 ZMRP = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

RUN NO. 53/ 0 RM/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | ALPHA  | BETA    | Q (PSF)   | CN      | CA      | CLM     | CBL    | CYN     | CT      | CAB    | CAC     |
|----------|--------|---------|-----------|---------|---------|---------|--------|---------|---------|--------|---------|
| 4.800    | -4.004 | .02303  | 294.08236 | -1.9004 | .09601  | -.02440 | .00097 | -.00003 | -.00301 | .00747 | .00006  |
| 4.800    | -1.963 | .02330  | 294.08236 | -.09206 | .09390  | -.02276 | .00114 | -.00004 | -.00306 | .00796 | .00006  |
| 4.800    | -.934  | .02343  | 294.08236 | -.07310 | .09076  | -.02276 | .00130 | -.00006 | -.00312 | .00819 | .00006  |
| 4.800    | .071   | .02359  | 294.08236 | -.05405 | .08644  | -.02113 | .00130 | -.00007 | -.00316 | .00839 | .00006  |
| 4.800    | 1.103  | .02356  | 294.08236 | -.03130 | .08604  | -.02024 | .00113 | -.00022 | -.00173 | .00839 | .00006  |
| 4.800    | 2.033  | .02370  | 294.08236 | -.01240 | .084    | -.02030 | .00113 | -.00023 | -.00175 | .00849 | .00006  |
| 4.800    | 4.122  | .02043  | 294.08236 | .02831  | .08076  | -.01651 | .00123 | .00012  | -.00164 | .00863 | -.00012 |
| 4.800    | 6.173  | .02078  | 294.08236 | .07680  | .07669  | -.01360 | .00137 | .00010  | -.00193 | .00863 | -.00012 |
| 4.800    | 8.308  | .02100  | 294.08236 | .12663  | .07386  | -.01422 | .00101 | -.00007 | -.00053 | .00863 | -.00012 |
| 4.800    | 10.291 | .02137  | 294.08236 | .17704  | .07096  | -.01356 | .00129 | -.00006 | -.00064 | .00862 | .00006  |
| 4.800    | 12.395 | .01800  | 294.08236 | .23673  | .06924  | -.01424 | .00120 | .00011  | .00074  | .00902 | .00006  |
| 4.800    | 16.476 | .01313  | 294.08236 | .36671  | .06722  | -.01479 | .00106 | .00027  | .00200  | .00902 | .00006  |
| 4.800    | 20.363 | .01233  | 293.65315 | .50947  | .06466  | -.01676 | .00112 | .00041  | .00324  | .00863 | -.00012 |
| 4.800    | 23.650 | .00962  | 294.08236 | .69930  | .06266  | -.01976 | .00119 | .00021  | .00362  | .00892 | .00006  |
| 4.800    | 30.995 | .00366  | 293.65315 | .90606  | .05912  | -.02662 | .00126 | .00041  | .00637  | .00902 | .00006  |
| 4.800    | 36.205 | .00135  | 294.08236 | 1.13553 | .05698  | -.04111 | .00167 | .00045  | .01026  | .00902 | .00006  |
| 4.800    | 41.361 | -.00101 | 294.08236 | 1.36987 | .05125  | -.05726 | .00192 | .00046  | .01221  | .00873 | -.00012 |
| 4.800    | 43.466 | -.00067 | 294.08236 | 1.45761 | .04643  | -.06919 | .00190 | .00033  | .01334  | .00631 | -.00012 |
| GRADIENT |        | -.00022 | -.00000   | .01961  | -.00225 | .00062  | .00002 | .00000  | .00020  | .00014 | -.00002 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



CA44 UPMJ 1035 COMF4 819C7E23F9M4R3V7M107X16

(RPNAR0) ( 10 JUL 75 )

REFERENCE DATA

BRFP = 87.1380 80.1N. XMRP = 12.3772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRFP = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0130 SCALE

RUN NO. 54/ 0 RML = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELEVTR = -44.000  
 AILRON = .000 RUDDER = .000  
 BOFLAP = -14.230 SPDBRK = 54.920

| MACH  | ALPHA    | BETA    | Q (PSF)   | CN      | CA      | CLM     | CBL     | CYN     | CT      | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 2.500 | -5.050   | .0139   | 544.88770 | -.31226 | .17223  | .08670  | -.06017 | .00047  | -.00364 | .02391 | -.00028 |
| 2.500 | -2.666   | .02139  | 544.76452 | -.23489 | .16534  | .05944  | -.00029 | -.00022 | .00086  | .02453 | -.00028 |
| 2.500 | -1.635   | .01677  | 544.94376 | -.19833 | .16270  | .03619  | .00000  | .00029  | -.00233 | .02493 | -.00110 |
| 2.500 | -.790    | .01947  | 544.32922 | -.16965 | .16531  | .08055  | .00018  | .00035  | -.00322 | .02487 | -.00048 |
| 2.500 | .336     | .01928  | 543.75150 | -.13327 | .16135  | .03563  | .00008  | .00019  | -.00164 | .02506 | -.00046 |
| 2.500 | 1.299    | .01984  | 544.12437 | -.09874 | .15631  | .05066  | .00009  | .00026  | -.00242 | .02521 | -.00028 |
| 2.500 | 3.439    | .01982  | 544.22679 | -.02224 | .14513  | .04112  | -.00001 | .00017  | -.00162 | .02519 | -.00016 |
| 2.500 | 5.554    | .01982  | 543.79150 | .04852  | .13767  | .03706  | .00004  | -.00009 | .00069  | .02545 | -.00038 |
| 2.500 | 7.757    | .02034  | 543.43301 | .11764  | .13224  | .03318  | .00011  | -.00011 | .00060  | .02535 | -.00016 |
| 2.500 | 9.773    | .01733  | 543.35520 | .18671  | .13001  | .03532  | .00034  | -.00002 | .00126  | .02676 | -.00016 |
| 2.500 | 12.150   | .01427  | 543.62347 | .26703  | .12559  | .03401  | .00045  | -.00009 | .00351  | .02745 | -.00009 |
| 2.500 | 16.205   | .00918  | 544.14938 | .41334  | .11352  | .02769  | .00081  | .00009  | .00487  | .02786 | .00002  |
| 2.500 | 20.485   | .00955  | 543.71468 | .57373  | .10427  | .02332  | .00092  | -.00023 | .00698  | .02879 | -.00019 |
| 2.500 | 25.919   | -.00645 | 544.25242 | .78229  | .09178  | .02231  | .00121  | .00031  | .00898  | .02963 | .00002  |
| 2.500 | 31.176   | -.01142 | 543.86831 | .99214  | .08097  | .02284  | .00150  | .00023  | .01160  | .02930 | -.00006 |
| 2.500 | 36.490   | -.02056 | 543.74228 | 1.21121 | .07037  | .02063  | .00120  | .00106  | .01330  | .02923 | -.00006 |
| 2.500 | 41.999   | -.02339 | 544.17558 | 1.44549 | .05937  | .01609  | .00241  | -.00003 | .02087  | .02876 | -.00009 |
| 2.500 | 44.098   | -.03432 | 543.94513 | 1.52860 | .04594  | .01368  | .00240  | .00050  | .02060  | .02869 | -.00016 |
| 2.500 | GRADIENT | -.00011 | -.11263   | .03333  | -.00310 | -.00282 | .00003  | .00003  | -.00022 | .00010 | .00001  |

CAAA UPWT 1035 COMFA B19CTE2BPMAR8VTV107X16

(RPMARD) ( 10 JUL 73 )

REFERENCE DATA

BREF = 07.1500 90.1M. XMRP = 12.3772 INCHES  
 LREF = 7.1200 INCHES YMRP = .0000 INCHES  
 BREF = 14.0300 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .0020 ELEVTR = -44.0000  
 ALLRON = .0000 RADIUS = .0000  
 BDFLAP = -14.230 SPDBRK = 94.920

RUN NO. 85/ 0 RM/L = 2.50 GRADIENT INTERVAL = -5.00/ 9.00

| MACH  | ALPHA    | BETA    | Q(P/SF)   | CM      | CA      | QLM     | CBL    | CYN     | CY      | CAB    | CAC    |
|-------|----------|---------|-----------|---------|---------|---------|--------|---------|---------|--------|--------|
| 3.900 | -4.331   | .02736  | 376.28481 | -.22326 | .13572  | .01908  | .00075 | -.00034 | -.00268 | .01146 | .00005 |
| 3.900 | -2.412   | .02368  | 376.02819 | -.17552 | .12820  | .01168  | .00099 | -.00018 | -.00181 | .01144 | .00019 |
| 3.900 | -1.410   | .02019  | 375.96007 | -.15230 | .12411  | .01004  | .00110 | -.00002 | -.00049 | .01160 | .00019 |
| 3.900 | -.344    | .02400  | 375.86780 | -.12379 | .12110  | .01712  | .00099 | -.00031 | -.00051 | .01169 | .00019 |
| 3.900 | .676     | .02779  | 375.93196 | -.10211 | .11724  | .01676  | .00099 | -.00059 | -.00054 | .01176 | .00019 |
| 3.900 | 1.668    | .02434  | 375.95602 | -.07938 | .11362  | .01767  | .00099 | -.00032 | -.00057 | .01167 | .00033 |
| 3.900 | 3.717    | .01727  | 375.89196 | -.02975 | .10839  | .01733  | .00120 | .00011  | .00051  | .01179 | .00005 |
| 3.900 | 5.791    | .01748  | 375.67562 | .02374  | .10308  | .01641  | .00116 | -.00042 | .00199  | .01193 | .00019 |
| 3.900 | 7.973    | .01798  | 375.86780 | .06216  | .09900  | .01688  | .00113 | -.00004 | .00130  | .01227 | .00019 |
| 3.900 | 9.990    | .01825  | 375.77959 | .13175  | .09708  | .01768  | .00110 | -.00017 | .00256  | .01235 | .00019 |
| 3.900 | 12.263   | .01901  | 375.82771 | .19490  | .09402  | .01820  | .00116 | -.00003 | .00360  | .01231 | .00019 |
| 3.900 | 16.216   | .01231  | 375.80365 | .32171  | .08788  | .01924  | .00093 | .00009  | .00457  | .01308 | .00019 |
| 3.900 | 20.356   | .00956  | 375.88364 | .49650  | .08172  | .02038  | .00120 | .00007  | .00656  | .01294 | .00005 |
| 3.900 | 25.598   | .00368  | 375.88384 | .64785  | .07702  | .02611  | .00126 | .00018  | .00850  | .01301 | .00005 |
| 3.900 | 30.845   | -.00555 | 375.93196 | .80114  | .07093  | .02763  | .00143 | .00046  | .01145  | .01301 | .00005 |
| 3.900 | 36.076   | -.00745 | 375.90790 | 1.06998 | .06681  | .03007  | .00175 | .00037  | .01392  | .01275 | .00019 |
| 3.900 | 41.373   | -.01836 | 375.85176 | 1.29944 | .05972  | .03072  | .00182 | .00092  | .01526  | .01227 | .00005 |
| 3.900 | 43.463   | -.01944 | 375.92394 | 1.36550 | .05568  | .03076  | .00204 | .00095  | .01716  | .01167 | .00019 |
| 3.900 | GRADIENT | -.00073 | -.04102   | .02364  | -.00335 | -.00029 | .00004 | .00002  | .00034  | .00004 | .00001 |



REFERENCE DATA

MREF = 67.1500 SQ. IN. XMRP = 12.9772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -44.000  
 ALURON = .000 RUDDER = .000  
 BDFLAP = -14.250 SPDBRK = 34.920

RUN NO. 36/ 0 RWL = 2.90 GRADIENT INTERVAL = -5.00/ 3.00

| MACH  | ALPHA  | BETA    | Q(PSP)    | CN      | CA      | CLM     | CBL    | C-N     | CY      | CAB    | CAC     |
|-------|--------|---------|-----------|---------|---------|---------|--------|---------|---------|--------|---------|
| 4.600 | -4.115 | .02338  | 294.29006 | -21406  | .13419  | .01335  | .00143 | -.00021 | -.00189 | .00811 | .00024  |
| 4.600 | -1.994 | .02361  | 294.29006 | -116501 | .12400  | .01339  | .00139 | -.00022 | -.00194 | .00801 | .00024  |
| 4.600 | -.994  | .02373  | 294.29006 | -113848 | .11862  | .01202  | .00143 | -.00022 | -.00194 | .00825 | .00006  |
| 4.600 | .063   | .02022  | 294.29006 | -111996 | .11414  | .01141  | .00175 | -.00013 | -.00194 | .00835 | .00006  |
| 4.600 | 1.080  | .02013  | 294.29006 | -109964 | .11006  | .00939  | .00174 | -.00002 | -.00353 | .00845 | .00006  |
| 4.600 | 2.024  | .01865  | 294.29006 | -107959 | .10730  | .01000  | .00189 | .00033  | -.00357 | .00821 | .00024  |
| 4.600 | 4.096  | .01693  | 294.29006 | -102244 | .10037  | .00919  | .00202 | .00032  | -.00363 | .00845 | .00006  |
| 4.600 | 6.313  | .02111  | 294.29006 | 92958   | .09440  | .00924  | .00198 | -.00020 | .00075  | .00835 | .00026  |
| 4.600 | 10.243 | .01765  | 294.29006 | 13348   | .08930  | .01090  | .00162 | -.00022 | .00070  | .00835 | .00006  |
| 4.600 | 12.973 | .01810  | 293.56063 | 13166   | .08582  | .01086  | .00173 | -.00002 | .00208  | .00874 | .00024  |
| 4.600 | 16.464 | .01503  | 293.56063 | 11617   | .07792  | .01449  | .00136 | -.00003 | .00200  | .00883 | .00024  |
| 4.600 | 20.570 | .01231  | 294.29006 | 47426   | .07398  | .01817  | .00133 | -.00011 | .00472  | .00908 | .00005  |
| 4.600 | 23.754 | .00979  | 293.86093 | 53126   | .07017  | .02305  | .00183 | -.00008 | .00390  | .00926 | .00006  |
| 4.600 | 30.935 | .00376  | 294.29006 | 12871   | .06547  | .02423  | .00170 | .00011  | .00847  | .00908 | .00006  |
| 4.600 | 36.183 | -.00212 | 293.86093 | 104284  | .06318  | .02133  | .00226 | .00031  | .01093  | .00926 | .00024  |
| 4.600 | 41.327 | -.00442 | 293.86093 | 125573  | .05989  | .02429  | .00267 | .00054  | .01466  | .00875 | .00006  |
| 4.600 | 43.465 | -.00330 | 293.86093 | 124414  | .03242  | .02215  | .00312 | .00039  | .01965  | .00822 | .00006  |
| 4.600 |        | -.00102 | -.00993   | .00038  | -.00411 | -.00082 | .00008 | .00008  | .00021  | .00005 | -.00020 |

GRADIENT

0A44 UPWT 1038 COMP4 B18CTE3BP5M4R3V7J107X16

(RPNAB1) ( 10 JUL 73 )

REFERENCE DATA

BREF = 07.1960 SQ.IN. XMRP = 18.9778 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0902 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = 11.000  
 ALLCON = .000 RUDDER = .000  
 SDPLAP = 13.750 SPOBRK = 94.980

RUN NO. 57/ 0 RW/L = 8.50 GRADIENT INTERVAL = -.5.00/ 5.00

| MACH     | ALPHA  | BETA    | Q (PSF)   | CN      | CA      | CLM     | CBL     | CIN     | CY      | CAB     | CAC     |
|----------|--------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 2.500    | -4.834 | .02650  | 544.32922 | -1.4297 | .13392  | -.02802 | -.00068 | -.00056 | .00134  | .02372  | -.00018 |
| 2.500    | -2.692 | .02715  | 545.27683 | -.07372 | .13474  | -.03297 | -.00104 | -.00058 | .00148  | .02397  | -.00018 |
| 2.500    | -1.734 | .02796  | 546.76177 | -.04327 | .13436  | -.03591 | -.00092 | -.00033 | -.00091 | .02400  | -.00018 |
| 2.500    | -.890  | .02769  | 545.43027 | -.00861 | .13360  | -.03893 | -.00103 | -.00060 | .00143  | .02392  | -.00018 |
| 2.500    | .907   | .02652  | 544.76452 | .02353  | .13235  | -.04234 | -.00101 | -.00037 | -.00093 | .02357  | -.00018 |
| 2.500    | 1.409  | .02460  | 544.12437 | .05423  | .13196  | -.04546 | -.00051 | -.00042 | .00133  | .02350  | -.00018 |
| 2.500    | 3.530  | .02682  | 544.20119 | .12206  | .13015  | -.05316 | -.00077 | -.00071 | .00210  | .02360  | -.00008 |
| 2.500    | 5.619  | .02506  | 543.49422 | .13047  | .12833  | -.05919 | -.00079 | -.00076 | .00440  | .02600  | -.00018 |
| 2.500    | 7.902  | .02240  | 544.09677 | .27041  | .12621  | -.06190 | -.00069 | -.00053 | .00333  | .02823  | -.00008 |
| 2.500    | 9.680  | .02306  | 543.97074 | .33680  | .12365  | -.07037 | -.00050 | -.00055 | .00339  | .02623  | -.00018 |
| 2.500    | 12.256 | .01936  | 544.30361 | .42035  | .12242  | -.07800 | -.00027 | -.00046 | .00703  | .02709  | -.00037 |
| 2.500    | 16.290 | .01337  | 544.09677 | .37692  | .12116  | -.09450 | -.00017 | -.00047 | .00731  | .02636  | -.00007 |
| 2.500    | 20.743 | .01132  | 543.79150 | .75957  | .11787  | -.11344 | .00034  | -.00036 | .00922  | .02614  | -.00017 |
| 2.500    | 26.152 | .00213  | 542.76726 | .99297  | .11464  | -.13942 | .00050  | -.00046 | .01291  | .02670  | -.00027 |
| 2.500    | 31.295 | -.00311 | 543.61223 | 1.22659 | .10990  | -.16474 | .00049  | -.00032 | .01376  | .02797  | -.00027 |
| 2.500    | 36.669 | -.01102 | 545.32795 | 1.47292 | .10600  | -.19350 | .00060  | -.00022 | .01819  | .02874  | -.00027 |
| 2.500    | 42.069 | -.00541 | 545.69118 | 1.74536 | .10642  | -.23651 | .00180  | -.00132 | .02269  | .02993  | -.00017 |
| 2.500    | 44.307 | -.01142 | 544.63645 | 1.86482 | .10473  | -.25392 | .00143  | -.00111 | .02343  | .03031  | -.00017 |
| GRADIENT |        | .00010  | -.11045   | .03144  | -.00069 | -.00300 | .00203  | -.00001 | .00004  | -.00004 | .00001  |



Q444 UPM1 1035 COMP4 810CT2323F9M481SV7M107X10

(RPHAB1) ( 10 JUL 73 )

REFERENCE DATA

MREF = 97.1590 90.1IN. YMRP = 12.5772 INCHES BETA = .000 ELEVTR = 11.000  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES AIRCON = .000 RUDDER = .000  
 MREF = 14.0502 INCHES ZMRP = 6.0000 INCHES BDPLAP = 13.750 SPDBRK = 94.920  
 SCALE = .0150 SCALE

PARAMETRIC DATA

RUN NO. 58/ 0 RVL = 2.50 GRADIENT INTERVAL = -3.00/ 3.00

| MACH  | ALPHA    | BETA    | 3 (PSF)   | CN       | CA      | CLM     | CLL     | CYN     | CY     | CAB    | CAC     |
|-------|----------|---------|-----------|----------|---------|---------|---------|---------|--------|--------|---------|
| 3.900 | -4.516   | .02972  | 375.66780 | -1.13349 | .10867  | -.03587 | -.00028 | -.00094 | .00121 | .01176 | .00003  |
| 3.900 | -2.287   | .02992  | 375.76355 | -.09096  | .10276  | -.03465 | -.00014 | -.00107 | .00227 | .01224 | .00005  |
| 3.900 | -1.336   | .02991  | 375.49831 | -.07023  | .10113  | -.03436 | -.00015 | -.00119 | .00336 | .01233 | -.00010 |
| 3.900 | -.304    | .02643  | 375.66780 | -.04660  | .09943  | -.03622 | -.00015 | -.00092 | .00336 | .01230 | -.00010 |
| 3.900 | .593     | .02664  | 375.85978 | -.02578  | .09912  | -.03482 | -.00015 | -.00093 | .00332 | .01230 | -.00010 |
| 3.900 | 1.735    | .02665  | 375.66364 | -.00213  | .09683  | -.03526 | -.00016 | -.00105 | .00442 | .01250 | -.00010 |
| 3.900 | 3.834    | .02706  | 375.82771 | .04656   | .09510  | -.03658 | -.00003 | -.00106 | .00435 | .01272 | .00005  |
| 3.970 | 5.907    | .02369  | 375.69940 | .10122   | .09376  | -.03631 | -.00003 | -.00092 | .00542 | .01272 | .00005  |
| 3.900 | 6.090    | .02336  | 375.69134 | .13964   | .09158  | -.04160 | -.00004 | -.00103 | .00649 | .01272 | .00005  |
| 3.900 | 10.067   | .02440  | 375.61158 | .21893   | .09075  | -.04691 | -.00003 | -.00106 | .00636 | .01260 | .00005  |
| 3.900 | 12.277   | .02110  | 375.65930 | .28779   | .08999  | -.05296 | .00009  | -.00089 | .00716 | .01313 | .00005  |
| 3.900 | 16.278   | .01613  | 375.54703 | .42583   | .09059  | -.06641 | .00009  | -.00094 | .00866 | .01299 | -.00010 |
| 3.900 | 20.322   | .01547  | 375.53901 | .58393   | .09132  | -.06390 | .00022  | -.00069 | .00945 | .01257 | -.00010 |
| 3.900 | 25.666   | .01267  | 375.46683 | .90575   | .09309  | -.10560 | .00045  | -.00093 | .01373 | .01249 | -.00010 |
| 3.900 | 30.799   | .00708  | 375.33059 | 1.54092  | .09992  | -.13285 | .00045  | -.00073 | .01576 | .01249 | -.00010 |
| 3.900 | 36.403   | .00319  | 375.48287 | 1.30742  | .10249  | -.16132 | .00070  | -.00103 | .01892 | .01264 | .00005  |
| 3.900 | 41.477   | -.00410 | 376.22967 | 1.35965  | .10455  | -.19199 | .00082  | -.00076 | .02190 | .01250 | -.00010 |
| 3.900 | 43.633   | .00370  | 376.26977 | 1.66604  | .10365  | -.20754 | .00119  | -.00163 | .02399 | .01250 | -.00010 |
|       | GRADIENT | -.00047 | .00998    | .02192   | -.00141 | -.00014 | .00002  | -.00000 | .00039 | .00010 | -.00001 |



0444 UPM1 1033 COMP4 B19CTE85F3M4R5V7N107X16

(RPNM21) ( 10 JUL 73 )

REFERENCE DATA

BREF = 87.1560 80.1M. 10MRP = 12.3772 INCHES  
 LABF = 7.1220 1-INCHES YMRP = .0000 INCHES  
 BREF = 14.0302 1-INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

BETA = .000 ELEVTR = 11.000  
 ALURON = .000 RUDDER = .000  
 BDFLAP = 13.750 SPDBRK = 34.920

PARAMETRIC DATA

RUN NO. 39/ 0 RWL = 2.30 GRADIENT INTERVAL = -8.00/ 5.00

| MACH  | ALPHA    | BETA    | Q(PSP)    | CN      | CA      | CLM     | CBL     | CYN     | CY     | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|---------|---------|--------|--------|---------|
| 4.000 | -4.096   | .02216  | 295.07618 | -.12276 | .10129  | -.03972 | -.00021 | -.00078 | .00443 | .00404 | -.00012 |
| 4.000 | -1.962   | .02243  | 295.07618 | -.06125 | .09677  | -.03490 | -.00080 | -.00060 | .00437 | .00842 | .00006  |
| 4.000 | -1.034   | .01895  | 295.07618 | -.08237 | .09459  | -.03493 | -.00005 | -.00044 | .00454 | .00465 | -.00012 |
| 4.000 | .047     | .01912  | 295.07618 | -.03966 | .09236  | -.03391 | -.00004 | -.00045 | .00430 | .00875 | -.00012 |
| 4.000 | 1.040    | .01924  | 295.07618 | -.01722 | .09034  | -.03627 | -.00004 | -.00046 | .00429 | .00875 | -.00012 |
| 4.000 | 2.097    | .01923  | 294.64695 | .00549  | .08972  | -.03548 | -.00005 | -.00081 | .00570 | .00874 | -.00012 |
| 4.000 | 4.179    | .01958  | 294.64695 | .03246  | .08669  | -.03324 | -.00020 | -.00063 | .00565 | .00913 | .00006  |
| 4.000 | 6.107    | .01822  | 294.64695 | .09590  | .06356  | -.03791 | .00011  | -.00028 | .00536 | .00893 | -.00012 |
| 4.000 | 8.378    | .01642  | 294.64695 | .13400  | .04162  | -.04083 | .00011  | -.00044 | .00696 | .00693 | .00006  |
| 4.000 | 10.114   | .01673  | 295.07618 | .20096  | .07979  | -.04331 | -.00005 | -.00046 | .00687 | .00895 | -.00012 |
| 4.000 | 12.519   | .01701  | 294.64695 | .27372  | .07961  | -.04990 | .00011  | -.00059 | .00790 | .00923 | .00006  |
| 4.000 | 16.477   | .01404  | 294.64695 | .41204  | .06027  | -.06307 | .00012  | -.00037 | .00866 | .00903 | -.00012 |
| 4.000 | 20.634   | .01463  | 293.76649 | .57024  | .06351  | -.06019 | .00027  | -.00066 | .01067 | .00994 | -.00012 |
| 4.000 | 25.777   | .01199  | 294.21772 | .78123  | .06952  | -.10067 | .00027  | -.00067 | .01333 | .00903 | -.00012 |
| 4.000 | 30.948   | .00966  | 294.64695 | 1.00866 | .09233  | -.12606 | .00043  | -.00021 | .01473 | .00903 | -.00012 |
| 4.000 | 36.408   | .00345  | 294.64695 | 1.26946 | .09914  | -.16226 | .00090  | -.00055 | .01676 | .00923 | .00006  |
| 4.000 | 41.331   | .00096  | 294.64695 | 1.49479 | .10029  | -.18662 | .00121  | -.00071 | .02136 | .00903 | -.00012 |
| 4.000 | 43.535   | .00134  | 294.64695 | 1.59273 | .09904  | -.20640 | .00137  | -.00095 | .02275 | .00923 | .00006  |
| 4.000 | GRADIENT | -.00036 | -.05932   | .02122  | -.00177 | -.00011 | .00001  | -.00002 | .00017 | .00012 | .00001  |



0A44 UNIT 1033 CONF4 810CT02SP/8MARSV74R07X10

(RPNARR) ( 10 JUL 73 )

REFERENCE DATA

BRP = 07.1860 80. IN. YMRP = 12.3772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRP = 14.0908 INCHES ZMRP = 0.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ALURON = .000 RUDORR = .000  
 BDFLAP = 13.750 SPDRK = 54.020

RUN NO. 00/ 0 R/W/L = 2.50 GRADIENT INTERVAL = -.5.00/ 3.00

| MACH     | ALPHA   | BETA    | Q (PSF)   | CN      | CA      | CLM     | CBL     | CYN     | CT      | CAB     | CAC     |
|----------|---------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 2.500    | -4.865  | .02747  | 544.22679 | -1.0644 | .13282  | -.00349 | -.00059 | -.00016 | -.00252 | .02477  | -.00018 |
| 2.500    | -2.761  | .02772  | 543.33059 | -1.1338 | .13055  | -.00924 | -.00077 | -.00034 | -.00099 | .02514  | -.00008 |
| 2.500    | -1.732  | .02458  | 543.56931 | -.08068 | .12928  | -.01087 | -.00076 | -.00008 | -.00181 | .02515  | -.00028 |
| 2.500    | -.681   | .02446  | 544.07516 | -.04906 | .12794  | -.01427 | -.00066 | -.00025 | -.00027 | .02487  | -.00008 |
| 2.500    | .423    | .02312  | 543.76589 | -.01556 | .12623  | -.01677 | -.00058 | -.00010 | -.00188 | .02487  | .00022  |
| 2.500    | 1.365   | .02321  | 544.23119 | .01479  | .12554  | -.01892 | -.00067 | -.00019 | -.00111 | .02476  | -.00004 |
| 2.500    | 3.485   | .02198  | 544.32922 | .08155  | .12238  | -.02541 | -.00048 | -.00009 | -.00039 | .02499  | -.00028 |
| 2.500    | 3.586   | .02238  | 544.25240 | .14819  | .11925  | -.03103 | -.00037 | -.00019 | .00033  | .02515  | .00002  |
| 2.500    | 7.617   | .01693  | 544.35967 | .22294  | .11611  | -.03555 | -.00036 | -.00025 | .00261  | .02574  | -.00006 |
| 2.500    | 9.916   | .01969  | 544.32522 | .29370  | .11213  | -.03967 | -.00008 | -.00026 | .00250  | .02568  | -.00008 |
| 2.500    | 12.232  | .01031  | 544.20119 | .37585  | .11011  | -.04417 | .00010  | -.00019 | .00317  | .02713  | -.00016 |
| 2.500    | 16.267  | .01673  | 544.36043 | .52167  | .10684  | -.05604 | .00034  | -.00017 | .00612  | .02907  | -.00016 |
| 2.500    | 20.495  | .00903  | 544.35567 | .67762  | .10229  | -.06802 | .00084  | -.00028 | .00812  | .02971  | -.00027 |
| 2.500    | 25.816  | -.00282 | 544.33406 | .90989  | .09495  | -.08491 | .00071  | -.00009 | .00980  | .03042  | -.00004 |
| 2.500    | 31.232  | -.00966 | 544.43164 | 1.15516 | .08107  | -.10421 | .00103  | .00004  | .01232  | .02878  | -.00047 |
| 2.500    | 36.646  | -.02176 | 544.25240 | 1.37532 | .07749  | -.12676 | .00041  | .00036  | .01516  | .02826  | -.00037 |
| 2.500    | 42.059  | -.01224 | 544.68770 | 1.63308 | .07191  | -.15316 | .00186  | -.00066 | .02007  | .02941  | -.00037 |
| 2.500    | 44.231  | -.01587 | 543.97074 | 1.82006 | .06941  | -.16307 | .00204  | -.00036 | .02227  | .02940  | -.00037 |
| GRADIENT | -.00060 | .04475  | .03150    | -.00123 | -.00255 | -.00255 | .00002  | .00001  | .00019  | -.00001 | .00001  |



CA44 UPM1 1033 COMF4 B18CTE23F5M4R5V7M107X16

(RPM422) ( 10 JUL 73 )

REFERENCE DATA

BRFP = 67.1960 SQ.IN. XMRP = 12.9772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRFP = 14.0902 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ALLROH = .000 RUDDER = .000  
 BDFLAP = 13.750 SPOBRK = 34.920

RUN NO. 61/ 0 RW/L = 2.90 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | BETA    | Q (PSF)   | CM      | CA      | CLM     | CBL    | CYM     | CY      | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|--------|---------|---------|--------|---------|
| 3.900 | -4.470   | .02293  | 376.03621 | -.14377 | .10316  | -.02624 | .00001 | -.00004 | -.00227 | .01131 | -.00010 |
| 3.900 | -2.336   | .02314  | 375.77137 | -.09031 | .10036  | -.02521 | .00013 | -.00017 | -.00121 | .01210 | -.00010 |
| 3.900 | -1.343   | .02333  | 375.97203 | -.07643 | .09648  | -.02377 | .00013 | -.00017 | -.00123 | .01234 | -.00010 |
| 3.900 | -.363    | .02351  | 375.77137 | -.05775 | .09463  | -.02363 | .00014 | -.00016 | -.00126 | .01242 | -.00010 |
| 3.900 | .723     | .02369  | 375.94800 | -.03408 | .09470  | -.02403 | .00014 | -.00019 | -.00131 | .01242 | -.00010 |
| 3.900 | 1.715    | .02371  | 375.63176 | -.01323 | .09337  | -.02463 | .00013 | -.00031 | -.00021 | .01256 | .00004  |
| 3.900 | 3.766    | .02046  | 375.63176 | .03331  | .09031  | -.02379 | .00016 | -.00004 | -.00027 | .01264 | .00004  |
| 3.900 | 5.630    | .02073  | 375.79363 | .06300  | .08763  | -.02296 | .00019 | -.00016 | -.00079 | .01263 | -.00010 |
| 3.900 | 6.002    | .02104  | 375.61167 | .14144  | .08327  | -.02363 | .00033 | -.00031 | .00182  | .01293 | -.00010 |
| 3.900 | 9.962    | .01784  | 375.96007 | .19436  | .08390  | -.02871 | .00036 | -.00003 | .00173  | .01294 | .00004  |
| 3.900 | 12.266   | .01616  | 375.96007 | .26240  | .08169  | -.03062 | .00037 | -.00016 | .00261  | .01296 | .00004  |
| 3.900 | 16.223   | .01543  | 375.67966 | .39482  | .08016  | -.03432 | .00030 | -.00006 | .00377  | .01324 | -.00010 |
| 3.900 | 20.370   | .01267  | 375.67966 | .54710  | .07876  | -.04799 | .00074 | -.00007 | .00376  | .01316 | -.00010 |
| 3.900 | 23.967   | .00661  | 375.62771 | .74697  | .07711  | -.04956 | .00079 | -.00002 | .00629  | .01316 | -.00010 |
| 3.900 | 30.663   | -.00271 | 375.69966 | .97957  | .07596  | -.07613 | .00067 | -.00043 | .00979  | .01309 | -.00010 |
| 3.900 | 36.163   | -.00106 | 375.69166 | 1.22486 | .07341  | -.09459 | .00130 | -.00001 | .01291  | .01273 | -.00010 |
| 3.900 | 41.610   | -.01399 | 375.62364 | 1.47666 | .07142  | -.12956 | .00134 | .00066  | .01392  | .01234 | -.00010 |
| 3.900 | 43.964   | -.00961 | 375.65976 | 1.57739 | .06937  | -.13120 | .00161 | .00011  | .01901  | .01234 | -.00010 |
| 3.900 | GRADIENT | -.00016 | -.01416   | .02143  | -.00176 | .00034  | .00001 | -.00001 | .00023  | .00015 | .00002  |



0A44 UNIT 1033 COMP4 810CT02Z075M03V0107110

(RPM022) ( 10 JUL 73 )

REFERENCE DATA

MACH = 07.1500 IN. YMRP = 12.3772 INCHES BETA = .000  
 LREF = 7.1200 INCHES YMRP = .0000 INCHES AIRON = .000  
 BRDF = 11.0902 INCHES ZMRP = 6.0000 INCHES BFLAP = 13.750 SPDRH = 54.920  
 SCALE = .0190 SCALE

RUN NO. 02/ 0 RWL = 2.90 GRADIENT INTERVAL = -.5.00/ 5.00

PARAMETRIC DATA

| MACH  | ALPHA    | BETA    | CA     | CLM     | CBL    | CYN     | CT      | CAB    | CAC     |
|-------|----------|---------|--------|---------|--------|---------|---------|--------|---------|
| 4.000 | -4.071   | .02292  | .10066 | -.03036 | .00018 | -.00003 | -.00289 | .00833 | -.00013 |
| 4.000 | -1.961   | .02321  | .09337 | -.02947 | .00018 | -.00006 | -.00293 | .00831 | .00006  |
| 4.000 | -.987    | .01971  | .09261 | -.02942 | .00018 | .00029  | -.00296 | .00872 | .00004  |
| 4.000 | .084     | .01997  | .08971 | -.02848 | .00034 | .00029  | -.00301 | .00892 | .00008  |
| 4.000 | 1.105    | .01994  | .08781 | -.02687 | .00033 | .00013  | -.00159 | .00874 | -.00013 |
| 4.000 | 2.060    | .02502  | .08625 | -.02600 | .00034 | .00012  | -.00163 | .00974 | -.00013 |
| 4.000 | 4.111    | .02032  | .08265 | -.02349 | .00022 | .00011  | -.00168 | .00874 | -.00013 |
| 4.000 | 6.141    | .01723  | .07917 | -.02407 | .00028 | .00045  | -.00175 | .00992 | .00008  |
| 4.000 | 8.305    | .01724  | .07622 | -.02494 | .00046 | .00029  | -.00040 | .00882 | .00006  |
| 4.000 | 10.306   | .01760  | .07399 | -.02407 | .00050 | .00027  | -.00046 | .00933 | .00006  |
| 4.000 | 12.362   | .01764  | .07255 | -.02608 | .00049 | .00011  | -.00049 | .00935 | .00006  |
| 4.000 | 16.473   | .01494  | .07737 | -.03343 | .00065 | .00027  | -.00277 | .00927 | -.00013 |
| 4.000 | 20.569   | .01192  | .07129 | -.04349 | .00063 | .00026  | -.00481 | .00927 | -.00013 |
| 4.000 | 23.747   | .00931  | .07200 | -.05612 | .00071 | .00016  | -.00670 | .00927 | -.00013 |
| 4.000 | 31.076   | .00334  | .07114 | -.07460 | .00092 | .00055  | .00723  | .00927 | -.00013 |
| 4.000 | 36.228   | .00075  | .07220 | -.09710 | .00119 | .00036  | .01128  | .00927 | -.00013 |
| 4.000 | 41.429   | -.00182 | .06926 | -.12032 | .00158 | .00016  | .01368  | .00944 | -.00013 |
| 4.000 | 43.545   | -.00131 | .06590 | -.13358 | .00176 | .00019  | .01324  | .00974 | -.00013 |
| 4.000 | GRADIENT | .00039  | .00222 | .00068  | .00001 | .00002  | .00021  | .00005 | -.00001 |



REFERENCE DATA  
 BREF \* 87.1980 SQ. IN.      XMRP = 12.3772 INCHES      BETA = .000      ELEVTR = .000  
 LINEP \* 7.1220 INCHES      YMRP = .0000 INCHES      ALLCON = .000      RUDDER = .000  
 BREF \* 14.0502 INCHES      ZMRP = 9.0000 INCHES      SDFLAP = .000      SPOBRK = 54.920  
 SCALE \* .0130 SCALE

PARAMETRIC DATA

RUN NO. 83/ 0      RM/L = 2.20      GRADIENT INTERVAL = -3.00/ 9.00

| MACH  | ALPHA    | BETA    | Q (PRSF)  | CN      | CA      | CLM     | CLL     | CYN     | CY      | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 2.900 | -4.941   | .02710  | 544.07316 | -.19182 | .13001  | .00370  | .00090  | -.00039 | -.00032 | .02393 | -.00026 |
| 2.900 | -2.779   | .02827  | 544.32922 | -.12452 | .12913  | .00114  | .00036  | -.00017 | -.00273 | .02451 | -.00028 |
| 2.900 | -1.726   | .02822  | 544.09677 | -.08981 | .12704  | -.00090 | .00081  | -.00034 | -.00122 | .02479 | -.00028 |
| 2.900 | -.855    | .02832  | 544.30361 | -.03715 | .12578  | -.00343 | .00079  | -.00043 | -.00118 | .02479 | -.00028 |
| 2.900 | .407     | .02878  | 544.81068 | -.02472 | .12407  | -.00393 | .00044  | -.00036 | -.00126 | .02451 | -.00028 |
| 2.900 | 1.422    | .02868  | 544.02193 | .00783  | .12269  | -.00848 | .00044  | -.00043 | -.00031 | .02454 | -.00018 |
| 2.900 | 3.489    | .02367  | 544.30648 | .07248  | .11968  | -.01261 | .00032  | -.00021 | -.00021 | .02480 | -.00008 |
| 2.900 | 5.640    | .02262  | 544.04735 | .13909  | .11373  | -.01836 | .00071  | -.00010 | -.00064 | .02453 | -.00038 |
| 2.900 | 7.834    | .02283  | 544.33482 | .21196  | .11174  | -.02182 | .00077  | -.00044 | .00240  | .02490 | -.00018 |
| 2.900 | 9.866    | .02008  | 544.36043 | .29225  | .10810  | -.02490 | -.00024 | -.00020 | .00164  | .02535 | -.00028 |
| 2.900 | 12.236   | .01678  | 544.48295 | .36190  | .10318  | -.02771 | -.00017 | -.00027 | .00391  | .02664 | -.00028 |
| 2.900 | 16.248   | .01078  | 544.22679 | .50548  | .10109  | -.03722 | .00026  | -.00009 | .00327  | .02657 | -.00028 |
| 2.900 | 20.496   | .00466  | 544.12437 | .66914  | .09473  | -.04542 | .00039  | -.00000 | .00737  | .02933 | -.00037 |
| 2.900 | 25.833   | -.00046 | 544.96936 | .86843  | .08328  | -.05627 | .00067  | -.00002 | .01019  | .02972 | -.00027 |
| 2.900 | 31.270   | -.00936 | 544.23240 | 1.12120 | .07300  | -.07237 | .00100  | -.00008 | .01363  | .02816 | -.00036 |
| 2.900 | 36.597   | -.02112 | 545.02036 | 1.33632 | .03425  | -.06903 | .00084  | .00042  | .01451  | .02790 | -.00067 |
| 2.900 | 42.011   | -.01360 | 544.33406 | 1.60466 | .05630  | -.11183 | .00176  | -.00038 | .02066  | .02826 | -.00037 |
| 2.900 | 44.219   | -.01804 | 544.22679 | 1.70134 | .05317  | -.11993 | .00176  | -.00028 | .02116  | .02833 | -.00037 |
| 2.900 | GRADIENT | -.00009 | .03726    | .03132  | -.00125 | -.00222 | .00000  | -.00001 | .00015  | .00006 | .00002  |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

0A44 UPMI 1033 CONF4 S19CTE2XP9M4R3V7W107X16

(RPM423) ( 10 JUL 73 )

REFERENCE DATA

WREF = 67.1500 90.1W, XMRP = 12.3772 INCHES  
 LREF = 7.1220 INCHES, YMRP = .0000 INCHES  
 BREF = 14.0302 INCHES, ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AILRON = .000 RUDDER = .000  
 BDFLAP = .000 SPOBRK = 34.920

RUN NO. 64/ 0 RW/L = 2.50 GRADIENT INTERVAL = -3.00/ 5.00

| MACH     | ALPHA  | BETA    | Q (PSF)   | CN      | CA      | CLM     | CBL     | CYN     | CY      | CAB    | CAL     |
|----------|--------|---------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 3.900    | -4.481 | .02284  | 376.09235 | -1.1631 | .10327  | -.02032 | -.00012 | -.00016 | -.00119 | .01122 | -.00010 |
| 3.900    | -2.345 | .02302  | 376.06027 | -1.0180 | .09852  | -.01948 | .00000  | -.00029 | -.00008 | .01156 | -.00010 |
| 3.900    | -1.336 | .02321  | 375.93196 | -.08394 | .09649  | -.01749 | .00000  | -.00029 | -.00012 | .01209 | -.00010 |
| 3.900    | -.287  | .02340  | 375.93998 | -.08029 | .09481  | -.01790 | .00000  | -.00030 | -.00015 | .01203 | -.00024 |
| 3.900    | .725   | .02339  | 375.85978 | -.03949 | .09292  | -.01777 | .00012  | -.00042 | .00094  | .01203 | -.00024 |
| 3.900    | 1.703  | .02382  | 376.01215 | -.01570 | .09134  | -.01565 | .00000  | -.00043 | .00090  | .01203 | -.00024 |
| 3.900    | 3.756  | .02036  | 375.99611 | .02790  | .08639  | -.01623 | .00000  | -.00016 | .00065  | .01203 | -.00024 |
| 3.900    | 5.814  | .02062  | 376.03621 | .07754  | .08513  | -.01536 | -.00001 | -.00030 | .00191  | .01244 | -.00024 |
| 3.900    | 7.991  | .01728  | 375.91592 | .13306  | .06204  | -.01566 | .00011  | -.00015 | .00296  | .01244 | -.00024 |
| 3.900    | 9.990  | .01775  | 376.03621 | .18543  | .07995  | -.01543 | .07024  | -.00016 | .00294  | .01239 | -.00010 |
| 3.900    | 12.269 | .01452  | 375.92334 | .23372  | .07731  | -.01790 | .00023  | -.00002 | .00391  | .01276 | -.00024 |
| 3.900    | 16.243 | .01339  | 375.93998 | .37606  | .07473  | -.02139 | .00036  | -.00016 | .00466  | .01292 | -.00010 |
| 3.900    | 20.367 | .01265  | 376.02819 | .52444  | .07168  | -.02793 | .00046  | -.00010 | .00692  | .01276 | -.00024 |
| 3.900    | 25.567 | .00865  | 375.86384 | .72396  | .06698  | -.03283 | .00039  | -.00003 | .01001  | .01292 | -.00010 |
| 3.900    | 30.853 | -.00267 | 375.97203 | .90079  | .06309  | -.04706 | .00071  | -.00049 | .01168  | .01270 | -.00024 |
| 3.900    | 36.163 | -.00465 | 375.96404 | 1.19152 | .06221  | -.06066 | .00106  | .00039  | .01439  | .01244 | -.00024 |
| 3.900    | 41.446 | -.01387 | 376.10036 | 1.44021 | .05674  | -.07633 | .00095  | .00081  | .01698  | .01229 | -.00024 |
| 3.900    | 43.561 | -.01519 | 376.01215 | 1.53343 | .05333  | -.06630 | .00106  | .00068  | .01777  | .01161 | -.00039 |
| GRADIENT |        | -.00020 | -.01303   | .02116  | -.00160 | .00037  | .00001  | -.00001 | .00026  | .00008 | -.00002 |



0A44 UPM 1035 COMP4 818CTE23P5M4R3V7V107X16

(RPM423)

( 30 JUL 73 )

REFERENCE DATA

WREF = 07.1800 90.1IN. YMRP = 12.5772 INCHES  
 WREF = 7.1820 INCHES YMRP = .0000 INCHES  
 WREF = 14.0502 INCHES ZMRP = 6.0700 INCHES  
 SCALE = .0150 SCALE

BETA = .000 ELEVTR = .000  
 ALLORN = .000 RUDDER = .000  
 SDPLAP = .000 SPDRBK = 84.980

RUN NO. 65/ 0 RV/L = 2.80 GRADIENT INTERVAL = -5.00/ 9.00

PARAMETRIC DATA

| MACH  | ALPHA    | BETA    | Q (PSP)   | CN      | CA      | CLM     | CBL    | CYN     | CY      | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|--------|---------|---------|--------|---------|
| 4.000 | -4.070   | .02260  | 294.61076 | -.13756 | .09610  | -.02465 | .00001 | -.00020 | -.00144 | .00734 | -.00031 |
| 4.000 | -1.947   | .02290  | 294.16155 | -.09599 | .09365  | -.02374 | .00016 | -.00036 | -.00006 | .00774 | -.00031 |
| 4.000 | -.995    | .02305  | 294.16155 | -.07702 | .09126  | -.02213 | .00000 | -.00037 | -.00009 | .00633 | -.00012 |
| 4.000 | .071     | .02321  | 294.16155 | -.05422 | .08843  | -.02119 | .00016 | -.00037 | -.00013 | .00625 | -.00031 |
| 4.000 | 1.114    | .02334  | 293.75231 | -.03937 | .08621  | -.02121 | .00016 | -.00036 | -.00016 | .00621 | -.00031 |
| 4.000 | 2.053    | .02351  | 293.75231 | -.01633 | .08495  | -.01964 | .00017 | -.00039 | -.00020 | .00635 | -.00031 |
| 4.000 | 4.110    | .02021  | 293.75231 | .02451  | .08113  | -.01748 | .00017 | -.00004 | -.00026 | .00653 | -.00012 |
| 4.000 | 6.153    | .02039  | 293.75231 | .07297  | .07708  | -.01515 | .00000 | -.00021 | .00113  | .00697 | -.00031 |
| 4.000 | 8.305    | .02076  | 293.75231 | .12502  | .07406  | -.01516 | .00016 | -.00022 | .00103  | .00633 | -.00012 |
| 4.000 | 10.327   | .01733  | 293.75231 | .17697  | .07134  | -.01526 | .00015 | -.00003 | .00242  | .00667 | -.00031 |
| 4.000 | 12.375   | .01760  | 293.75231 | .23795  | .06935  | -.01615 | .00015 | -.00020 | .00376  | .00677 | -.00031 |
| 4.000 | 14.461   | .01465  | 293.75231 | .30061  | .06573  | -.01953 | .00014 | -.00003 | .00507  | .00906 | -.00012 |
| 4.000 | 20.568   | .01190  | 293.75231 | .39563  | .06455  | -.02255 | .00046 | .00013  | .00627  | .00667 | -.00031 |
| 4.000 | 25.765   | .00829  | 293.75231 | .69995  | .06376  | -.03041 | .00045 | .00012  | .00690  | .00906 | -.00012 |
| 4.000 | 30.993   | .00318  | 293.75231 | .91569  | .06091  | -.04083 | .00060 | .00048  | .01140  | .00906 | -.00012 |
| 4.000 | 34.199   | .00076  | 293.75231 | 1.14621 | .05946  | -.06015 | .00062 | .00032  | .01336  | .00667 | -.00031 |
| 4.000 | 41.368   | -.00545 | 293.75231 | 1.38490 | .05367  | -.06005 | .00123 | .00077  | .01679  | .00635 | -.00031 |
| 4.000 | 43.510   | -.00126 | 293.75231 | 1.47548 | .04974  | -.06260 | .00140 | .00040  | .01842  | .00635 | -.00031 |
| 4.000 | GRADIENT | -.00021 | -.11042   | .01961  | -.00221 | .00066  | .00002 | .00001  | .00010  | .00014 | .00001  |

CA44 UPWT 1055 COMP4 SINCTE2E2P244R2V74107116

(RPN24) ( 10 JUL 75 )

REFERENCE DATA

WREF = 07.1500 36.1M. YMRP = 12.5772 INCHES  
 LREF = 7.1250 INCHES YMRP = .0000 INCHES  
 WREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -24.000  
 AILRON = .000 RUDDER = .000  
 SDPLAP = -14.250 SPDRK = 34.920

RUN NO. 06/ 0 RNL = 2.50 GRADIENT INTERVAL = -.5.00/ 5.00

| WACH  | ALPHA    | BETA    | Q (PSF)   | CN      | CA      | CLM     | CBL     | CYN     | CY      | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 2.500 | -4.999   | .02472  | 543.40604 | -2.7036 | .15119  | .05466  | -.00079 | -.00015 | -.00131 | .02204 | -.00026 |
| 2.500 | -2.811   | .02509  | 543.30496 | -1.9548 | .14864  | .04863  | -.00070 | -.00025 | -.00057 | .02321 | -.00026 |
| 2.500 | -1.777   | .02169  | 542.61363 | -1.6309 | .14431  | .04516  | -.00044 | -.00006 | -.00061 | .02336 | -.00026 |
| 2.500 | -.722    | .02195  | 542.53681 | -1.2644 | .14174  | .04178  | -.00032 | -.00007 | -.00062 | .02364 | -.00026 |
| 2.500 | .369     | .02217  | 542.53661 | -.09368 | .13909  | .03926  | -.00061 | -.00008 | -.00062 | .02354 | -.00036 |
| 2.500 | 1.355    | .02224  | 542.53681 | -.05921 | .13627  | .03524  | -.00070 | -.00017 | -.00015 | .02370 | -.00029 |
| 2.500 | 3.471    | .02275  | 542.53661 | .00761  | .13029  | .02863  | -.00034 | -.00016 | -.00006 | .02402 | -.00016 |
| 2.500 | 5.593    | .01951  | 543.35620 | .07437  | .12468  | .02501  | -.00052 | -.00079 | -.00084 | .02405 | -.00016 |
| 2.500 | 7.795    | .02023  | 543.65907 | .14532  | .11937  | .02306  | -.00025 | -.00011 | -.00072 | .02433 | -.00059 |
| 2.500 | 9.699    | .01321  | 543.66907 | .21640  | .11477  | .02202  | -.00016 | -.00002 | -.00295 | .02324 | -.00098 |
| 2.500 | 12.189   | .01393  | 543.40741 | .29486  | .11119  | .02111  | -.00001 | -.00009 | -.00365 | .02472 | -.00002 |
| 2.500 | 16.230   | .00794  | 543.36180 | .44156  | .10528  | .01499  | .00025  | -.00009 | -.00501 | .02763 | -.00047 |
| 2.500 | 20.452   | .00206  | 543.33059 | .59607  | .09769  | .01340  | .00049  | -.00018 | -.00711 | .02950 | -.00017 |
| 2.500 | 25.766   | -.00330 | 543.35620 | .80236  | .08432  | .00969  | .00063  | -.00017 | -.00990 | .02976 | -.00017 |
| 2.500 | 31.169   | -.01162 | 543.40741 | 1.01621 | .06976  | .00870  | .00083  | -.00042 | -.01176 | .02658 | -.00016 |
| 2.500 | 36.548   | -.03134 | 543.40741 | 1.24110 | .05779  | .00492  | .00061  | -.00112 | -.01496 | .02711 | -.00026 |
| 2.500 | 41.969   | -.02174 | 543.22817 | 1.47273 | .04611  | -.00095 | .00174  | -.00311 | -.01950 | .02654 | -.00026 |
| 2.500 | 44.141   | -.02794 | 543.20256 | 1.56352 | .04254  | -.00336 | .00162  | -.00031 | -.02074 | .02665 | -.00029 |
| 2.500 | GRADIENT | -.00030 | -.20611   | .03277  | -.00248 | -.00311 | .00004  | .00000  | .00016  | .00021 | .00001  |



0444 UPMF 1033 CONF4 819C7E23F5M4R3V7M107X16

(RPMAR24) ( 10 JUL 73 )

REFERENCE DATA

BREF = 67.1960 60-IN. YMRP = 12.3772 INCHES  
 LREF = 7.1250 INCHES YMRP = .0000 INCHES  
 BREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

BETA = .000 ELEVTR = -24.000  
 AIRCON = .000 R/ORDER = .000  
 BDFLAP = -14.290 SPDRBK = 94.920

PARAMETRIC DATA

RUM NO. 67/ 0 RIV/L = 2.90 GRADIENT INTERVAL = -9.00/ 9.00

| MACH  | ALPHA    | BETA    | Q (PSF)   | CN      | CA      | CLM     | CEB     | CYN     | CY      | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 3.900 | -4.354   | .03020  | 375.87582 | -19300  | .11427  | .00396  | -.00001 | -.00084 | -.00018 | .01141 | -.00024 |
| 3.900 | -2.436   | .03036  | 375.87582 | -19044  | .10623  | .00391  | .00012  | -.00063 | -.00026 | .01160 | -.00024 |
| 3.900 | -1.366   | .02713  | 375.76761 | -12663  | .10607  | .00330  | .00012  | -.00036 | -.00026 | .01164 | -.00024 |
| 3.900 | -.313    | .02712  | 375.80365 | -10313  | .10376  | .00467  | .00011  | -.00070 | .00064  | .01192 | -.00024 |
| 3.900 | .634     | .02365  | 375.69136 | -.06244 | .10170  | .00462  | .00011  | -.00043 | .00062  | .01200 | -.00024 |
| 3.900 | 1.633    | .02748  | 375.73147 | -.05670 | .09936  | .00326  | .00012  | -.00071 | .00077  | .01200 | -.00024 |
| 3.900 | 3.637    | .02406  | 375.69940 | -.00619 | .09496  | .00433  | .00011  | -.00036 | .00165  | .01206 | -.00024 |
| 3.900 | 5.634    | .02449  | 375.73949 | .04055  | .09077  | .00376  | .00012  | -.00036 | .00176  | .01227 | -.00036 |
| 3.900 | 7.975    | .02112  | 375.74751 | .09313  | .08693  | .00609  | .00023  | -.00043 | .00263  | .01297 | -.00024 |
| 3.900 | 9.956    | .02142  | 375.69136 | .14377  | .08443  | .00762  | .00010  | -.00037 | .00390  | .01227 | -.00036 |
| 3.900 | 12.390   | .01824  | 375.79363 | .21474  | .08191  | .00627  | .00022  | -.00042 | .00491  | .01241 | -.00024 |
| 3.900 | 16.219   | .01912  | 375.66364 | .33276  | .07753  | .00636  | .00047  | -.00036 | .00363  | .01274 | -.00024 |
| 3.900 | 20.354   | .01267  | 375.86760 | .47396  | .07373  | .01277  | .00046  | -.00031 | .00763  | .01274 | -.00024 |
| 3.900 | 25.561   | .00711  | 375.65976 | .60049  | .06929  | .01686  | .00036  | -.00006 | .00978  | .01274 | -.00024 |
| 3.900 | 30.925   | -.00223 | 375.73949 | .87302  | .06344  | .01630  | .00036  | -.00036 | .01273  | .01274 | -.00024 |
| 3.900 | 36.241   | -.00414 | 375.74751 | 1.09623 | .05664  | .01733  | .00106  | .00023  | .01316  | .01233 | -.00009 |
| 3.900 | 41.316   | -.01322 | 375.80365 | 1.31469 | .05071  | .01614  | .00106  | .00061  | .01639  | .01233 | -.00009 |
| 3.900 | 43.679   | -.01960 | 375.92394 | 1.40663 | .04536  | .01106  | .00130  | .00124  | .01736  | .01192 | -.00024 |
|       | GRADIENT | -.00076 | -.02463   | .02246  | -.00227 | -.00001 | .00001  | .00004  | .00026  | .00006 | .00000  |

ORPHAS4 ( 10 JUL 75 )

0A44 UPRT 1035 COMP4 819CTE23W SHARSV7J107X16

PARAMETRIC DATA

BETA = .000 ELEVTR = -24.000  
 AIRLON = .000 RUOOR = .000  
 BDFLAP = -14.250 SPDBRK = 54.920

REFERENCE DATA

BREF = 87.1500 90.1N. XMRP = 12.5772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 SREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

RUN NO. 69/ 0 RIVL = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA  | BETA    | Q (PSF)   | CN      | CA      | CLM     | CBL     | CYN     | CY     | CAB    | CAC     |
|-------|--------|---------|-----------|---------|---------|---------|---------|---------|--------|--------|---------|
| 4.800 | -4.139 | .01904  | 295.52832 | -1.7313 | .10675  | -.00154 | -.00003 | -.00013 | .00133 | .00765 | -.00048 |
| 4.800 | -1.937 | .01933  | 295.52832 | -1.2789 | .10228  | -.00183 | .00029  | -.00015 | .00125 | .00795 | -.00048 |
| 4.800 | -1.103 | .01944  | 295.09909 | -1.0929 | .09807  | -.00207 | .00014  | -.00016 | .00125 | .00825 | -.00048 |
| 4.800 | .056   | .01959  | 295.52832 | -.06295 | .09398  | -.00375 | .00030  | -.00017 | .00120 | .00846 | -.00048 |
| 4.800 | 1.120  | .01975  | 295.52832 | -.08026 | .09317  | -.00310 | .00014  | -.00017 | .00119 | .00846 | -.00048 |
| 4.800 | 2.037  | .01986  | 295.52832 | -.04517 | .09066  | -.00264 | .00014  | -.00018 | .00117 | .00864 | -.00030 |
| 4.800 | 4.111  | .02001  | 295.52832 | .00204  | .08377  | -.00192 | .00013  | -.00034 | .00255 | .00874 | -.00030 |
| 4.800 | 6.136  | .01872  | 295.52832 | .03097  | .08112  | -.00116 | .00014  | -.00000 | .00248 | .00874 | -.00030 |
| 4.800 | 8.353  | .01714  | 295.52832 | .10285  | .07680  | -.00208 | .00014  | -.00002 | .00239 | .00874 | -.00030 |
| 4.800 | 10.250 | .01730  | 295.52832 | .14721  | .07448  | -.00342 | .00013  | -.00016 | .00376 | .00864 | -.00030 |
| 4.800 | 12.555 | .01776  | 295.52832 | .20867  | .07193  | -.00440 | .00014  | -.00020 | .00385 | .00874 | -.00030 |
| 4.800 | 16.479 | .01475  | 295.52832 | .32556  | .06811  | -.00771 | .00216  | -.00016 | .00610 | .00893 | -.00012 |
| 4.800 | 20.584 | .01199  | 295.52832 | .48350  | .06595  | -.00977 | .00154  | -.00001 | .00736 | .00927 | -.00030 |
| 4.800 | 25.694 | .00592  | 295.52832 | .64049  | .06349  | .01500  | .00074  | .00033  | .01004 | .00909 | -.00048 |
| 4.800 | 30.698 | -.00006 | 295.52832 | .83195  | .05994  | .01893  | .00358  | .00082  | .01109 | .00903 | -.00012 |
| 4.800 | 36.134 | -.00258 | 295.52832 | 1.04670 | .05568  | .01368  | .00089  | .00071  | .01442 | .00885 | -.00030 |
| 4.800 | 41.474 | -.00474 | 295.52832 | 1.27275 | .04834  | .00965  | .00231  | .00076  | .01610 | .00874 | -.00030 |
| 4.800 | 43.485 | -.00799 | 295.52832 | 1.54972 | .04311  | .00459  | .00278  | .00097  | .01715 | .00856 | -.00048 |
| 4.800 |        | .00012  |           | .01086  | -.00280 | -.00010 | .00001  | -.00002 | .00011 | .00014 | .00002  |



Q444 UNIT 1035 CONF4 051CTE23F944R5V7J107X16

(RPM225) ( 10 JUL 73 )

REFERENCE DATA

WREF = 07.1360 90.1M. XMRP = 12.5772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRZF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

BETA = .000 ELEVTR = .000  
 ALLRON = .000 RUDDER = .000  
 90FLAP = -14.250 SPOBRK = 34.920

PARAMETRIC DATA

RUN NO. 00/ 0 RW/L = 2.80 GRADIENT INTERVAL = -3.00/ 5.00

| MACH  | ALPHA    | BETA    | Q (PSF)   | CN      | CA      | CLM     | CBL     | CY4     | CY      | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 2.900 | -4.940   | .02760  | 544.40604 | -19306  | .12944  | .01755  | -.00061 | -.00041 | -.00028 | .02434 | -.00048 |
| 2.900 | -2.736   | .02725  | 543.66347 | -12314  | .12801  | .01264  | -.00047 | -.00063 | .00358  | .02498 | .00002  |
| 2.900 | -1.699   | .02890  | 543.71468 | -.09032 | .12678  | .01077  | -.00051 | -.00044 | -.00039 | .02332 | .00002  |
| 2.900 | -.615    | .02879  | 543.36180 | -.05741 | .12337  | .00907  | -.00066 | -.00045 | -.00040 | .02355 | .00002  |
| 2.900 | .471     | .02891  | 543.61710 | -.02428 | .12375  | .00736  | -.00043 | -.00034 | .00032  | .02356 | .00002  |
| 2.900 | 1.412    | .02314  | 543.74026 | .00654  | .12253  | .00426  | -.00053 | -.00031 | .00169  | .02335 | -.00006 |
| 2.900 | 3.319    | .02191  | 543.66347 | .07125  | .11944  | .00015  | -.00033 | -.00042 | .00262  | .02357 | -.00006 |
| 2.900 | 5.647    | .02256  | 543.76399 | .13798  | .11671  | -.00346 | -.00032 | -.00044 | .00254  | .02615 | -.00006 |
| 2.900 | 7.672    | .01932  | 543.63766 | .21106  | .11293  | -.00471 | -.00032 | -.00035 | .00323  | .02633 | -.00006 |
| 2.900 | 9.692    | .01646  | 543.97074 | .27778  | .11003  | -.00576 | -.00016 | -.00028 | .00366  | .02713 | -.00006 |
| 2.900 | 12.239   | .01335  | 543.71466 | .35618  | .10709  | -.00647 | -.00010 | -.00025 | .00333  | .02616 | -.00007 |
| 2.900 | 16.267   | .00740  | 543.61710 | .50074  | .10156  | -.01333 | .00024  | -.00006 | .00467  | .02914 | -.00017 |
| 2.900 | 20.513   | -.00213 | 544.02195 | .66105  | .09545  | -.01649 | .00031  | .00021  | .00670  | .02933 | -.00027 |
| 2.900 | 25.980   | -.00768 | 544.07316 | .87690  | .08609  | -.02723 | .00022  | .00015  | .01169  | .02949 | -.00017 |
| 2.900 | 31.267   | -.01990 | 543.69392 | 1.10627 | .07413  | -.03991 | .00075  | .00063  | .01333  | .02764 | -.00037 |
| 2.900 | 36.608   | -.02191 | 544.32922 | 1.34266 | .06702  | -.05420 | .00116  | .00006  | .01934  | .02921 | -.00037 |
| 2.900 | 42.027   | -.03117 | 544.07316 | 1.58767 | .06006  | -.07460 | .00064  | .00176  | .01832  | .02663 | -.00027 |
| 2.900 | 44.211   | -.03419 | 544.53406 | 1.66299 | .05740  | -.06277 | .00063  | .00161  | .02126  | .02649 | -.00027 |
| 2.900 | GRADIENT | -.00039 | -.06239   | .03131  | -.00123 | -.06203 | .00001  | .00001  | .00020  | .00013 | .00003  |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



0444 UPMT 1035 COMP4 SELECTED PARAMETERS 107216

(RPMSS) ( 10 JUL 73 )

REFERENCE DATA

BREP = 07.1800 IN. ZMRP = 12.8778 INCHES  
 LARF = 7.1820 INCHES YMRP = .0000 INCHES  
 BREP = 14.0300 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .0000 ELEVTR = .0000  
 AIRLON = .0000 RUBBER = .0000  
 BDFLAP = -14.250 SPDRK = 84.920

RUN NO. 72/ 0 RML = 8.50 GRADIENT INTERVAL = -9.00/ 3.00

| MACH     | ALPHA  | BETA    | Q(PSP)    | CM      | CA      | CLM     | CLL     | CYN     | CY      | CAB    | CAC     |
|----------|--------|---------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 3.900    | -4.461 | .02807  | 376.10036 | -1.4272 | .10233  | -.01213 | -.00013 | -.00036 | -.00007 | .01147 | .00003  |
| 3.900    | -8.356 | .02345  | 375.82771 | -1.0719 | .09855  | -.00876 | -.00013 | -.00030 | -.00015 | .01170 | .00003  |
| 3.900    | -1.333 | .02302  | 375.71544 | -0.7196 | .09870  | -.00870 | .00000  | -.00030 | -.00019 | .01221 | -.00009 |
| 3.900    | -.259  | .02300  | 375.73147 | -.0346  | .09508  | -.00966 | -.00001 | -.00042 | .00091  | .01237 | -.00009 |
| 3.900    | .744   | .02303  | 375.71544 | -.0303  | .09321  | -.00862 | -.00001 | -.00043 | .00066  | .01245 | -.00009 |
| 3.900    | 1.741  | .02399  | 375.71544 | -.00919 | .09142  | -.00836 | -.00013 | -.00044 | .00065  | .01253 | -.00009 |
| 3.900    | 3.795  | .02056  | 375.69136 | .03759  | .08833  | -.00484 | -.00014 | -.00029 | .00191  | .01253 | -.00009 |
| 3.900    | 5.899  | .01736  | 375.78761 | .08722  | .08550  | -.00367 | -.00013 | -.00003 | .00163  | .01266 | .00003  |
| 3.900    | 7.993  | .01771  | 375.81969 | .14000  | .06313  | -.00052 | -.00001 | -.00016 | .00295  | .01266 | .00003  |
| 3.900    | 10.024 | .01437  | 375.67534 | .19837  | .08141  | -.00114 | -.00015 | -.00002 | .00392  | .01301 | .00003  |
| 3.900    | 12.319 | .01132  | 375.77157 | .26147  | .08004  | -.00067 | -.00002 | .00024  | .00380  | .01267 | -.00009 |
| 3.900    | 16.255 | .01200  | 375.81969 | .36318  | .07693  | -.00301 | -.00002 | -.00004 | .00588  | .01267 | -.00009 |
| 3.900    | 20.397 | .00926  | 375.79363 | .52932  | .07455  | -.00337 | -.00009 | -.00004 | .00764  | .01301 | .00003  |
| 3.900    | 25.816 | -.00042 | 375.70742 | .73040  | .07205  | -.00919 | .00020  | -.00044 | .01034  | .01293 | .00003  |
| 3.900    | 30.889 | -.00269 | 375.79563 | .95350  | .06992  | -.01999 | .00039  | -.00034 | .01286  | .01293 | .00003  |
| 3.900    | 36.156 | -.01183 | 375.73553 | 1.18842 | .06682  | -.02961 | .00076  | .00083  | .01476  | .01245 | -.00009 |
| 3.900    | 41.431 | -.02112 | 375.77959 | 1.43455 | .06225  | -.04524 | .00060  | .00124  | .01761  | .01237 | -.00009 |
| 3.900    | 43.552 | -.02764 | 375.65978 | 1.52706 | .05768  | -.03546 | .00106  | .00176  | .01767  | .01196 | -.00010 |
| GRADIENT |        | -.00055 | -.04317   | .02178  | -.00170 | .00062  | -.00000 | .00002  | .00025  | .00014 | -.00002 |



CA44 UPMT 1035 COMP4 881C7E33F7M4R8V7M107X16

GRPMAS5) ( 10 JUL 75 )

REFERENCE DATA

SREF = 87.1360 SQ. IN. XMRP = 12.3772 INCHES  
 LREF = 7.1820 INCHES YMRP = .0000 INCHES  
 SREF = 14.0302 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .0000 ELEVTR = .0000  
 AIRCON = .0000 RUDGER = .0000  
 SDFLAP = -14.230 SPOWRK = 34.920

RUN NO. 71/ 0 RW/L = 2.40 GRADIENT INTERVAL = -5.00/ 5.00

| WAOH  | ALPHA    | BETA    | Q (PSF)   | CN      | CA      | CLM     | CL     | C/N     | CY      | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|--------|---------|---------|--------|---------|
| 4.600 | -4.039   | .02315  | 293.21940 | -13361  | .06965  | -.01731 | .00033 | -.00021 | -.00133 | .00797 | -.00012 |
| 4.600 | -1.946   | .01962  | 293.21940 | -.09056 | .09340  | -.01494 | .00031 | -.00001 | -.00013 | .00636 | .00004  |
| 4.600 | -.954    | .01974  | 293.21940 | -.07096 | .09112  | -.01907 | .00031 | -.00001 | -.00016 | .00636 | -.00012 |
| 4.600 | .097     | .01969  | 293.21940 | -.04751 | .09663  | -.01427 | .00032 | -.00002 | -.00020 | .00676 | -.00012 |
| 4.600 | 1.142    | .02004  | 293.21940 | -.02779 | .08616  | -.01275 | .00032 | -.00003 | -.00023 | .00676 | -.00012 |
| 4.600 | 2.071    | .02022  | 293.21940 | -.00604 | .08464  | -.00964 | .00032 | -.00004 | -.00029 | .00666 | -.00012 |
| 4.600 | 4.127    | .02034  | 293.21940 | .03664  | .08069  | -.00779 | .00033 | -.00005 | -.00037 | .00666 | -.00012 |
| 4.600 | 6.167    | .02071  | 293.21940 | .06190  | .07723  | -.00433 | .00032 | -.00002 | -.00100 | .00666 | -.00012 |
| 4.600 | 8.332    | .01747  | 293.21940 | .13747  | .07409  | -.00300 | .00032 | -.00012 | .00091  | .00666 | -.00012 |
| 4.600 | 10.314   | .01769  | 293.21940 | .18965  | .07293  | -.00205 | .00031 | -.00004 | .00226  | .00907 | .00004  |
| 4.600 | 12.624   | .01433  | 293.21940 | .23163  | .07203  | -.00021 | .00032 | .00029  | .00216  | .00907 | .00004  |
| 4.600 | 16.498   | .01133  | 293.21940 | .37260  | .06967  | -.00237 | .00030 | .00031  | .00490  | .00917 | .00004  |
| 4.600 | 20.432   | .00934  | 293.21940 | .51167  | .06802  | -.00353 | .00030 | .00046  | .00606  | .00913 | -.00030 |
| 4.600 | 25.763   | .00967  | 293.21940 | .70467  | .06776  | -.00934 | .00030 | .00054  | .00792  | .00907 | .00004  |
| 4.600 | 30.964   | .00331  | 293.21940 | .91931  | .06532  | -.01933 | .00079 | .00059  | .00942  | .00907 | .00004  |
| 4.600 | 34.234   | -.00639 | 293.21940 | 1.14927 | .06426  | -.03106 | .00100 | .00126  | .01239  | .00666 | -.00012 |
| 4.600 | 41.362   | -.00667 | 293.21940 | 1.36066 | .05969  | -.04636 | .00123 | .00126  | .01496  | .00666 | -.00012 |
| 4.600 | 43.497   | -.00617 | 293.21940 | 1.49970 | .05473  | -.06231 | .00136 | .00094  | .01773  | .00676 | -.00012 |
|       | GRADIENT | -.00021 | .00000    | .02076  | -.00230 | .00119  | .00000 | .00001  | .00010  | .00010 | -.00001 |

0A44 UNIT 1033 COMP4 881C1C2E3F5H4B3V7W107X16

( 10 JUL 73 )

REFERENCE DATA

BRDF = 07.1500 90.1H. ZMRP = 12.5772 INCHES  
 LAMBDA = 7.1820 INCHES YMRP = .0000 INCHES  
 BRDF = 14.0702 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SIZE

PARAMETRIC DATA

BETA = .000 ELE:TR = -44.000  
 AIRCON = .000 RUDDER = .000  
 DOFLAP = -14.230 SPOPRK = 34.920

RUN NO. 72/ 0 REV L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | ALPHA  | BETA    | Q (PSF)   | CA      | CLM     | CBL     | CYN     | CT      | CAB    | CAC     |
|----------|--------|---------|-----------|---------|---------|---------|---------|---------|--------|---------|
| 2.500    | -4.676 | .01106  | 343.83996 | .10975  | .07447  | -.00037 | .00061  | -.00150 | .02396 | -.00036 |
| 2.500    | -2.883 | .01332  | 347.50434 | .16391  | .06056  | -.00061 | .00047  | -.00227 | .02403 | -.00018 |
| 2.500    | -1.943 | .01460  | 343.27936 | .19120  | .06368  | -.00030 | .00006  | .00160  | .02421 | -.00016 |
| 2.500    | -.745  | .01566  | 343.76389 | .15815  | .06103  | -.00001 | .00039  | -.00161 | .02481 | -.00026 |
| 2.500    | .339   | .01211  | 343.63766 | .13484  | .05902  | -.00001 | .00049  | -.00064 | .02491 | -.00026 |
| 2.500    | 1.325  | .01230  | 344.20119 | .13106  | .05557  | -.00018 | .00048  | -.00083 | .02486 | -.00026 |
| 2.500    | 3.327  | .01567  | 343.43301 | .14220  | .04977  | -.00045 | .00003  | .00152  | .02481 | -.00026 |
| 2.500    | 5.893  | .01667  | 343.89392 | .13584  | .04546  | -.00009 | .00009  | .00063  | .02515 | -.00026 |
| 2.500    | 7.626  | .01631  | 343.61223 | .13183  | .04502  | .00031  | -.00033 | .00441  | .02446 | -.00226 |
| 2.500    | 9.831  | .01407  | 343.97074 | .12959  | .04657  | .00016  | .00003  | .00275  | .02826 | -.00006 |
| 2.500    | 12.481 | .01122  | 344.35482 | .12359  | .04465  | .00042  | .00006  | .00339  | .02871 | -.00027 |
| 2.500    | 16.168 | .00121  | 343.81710 | .42061  | .04016  | .00073  | .00036  | .00355  | .02762 | -.00027 |
| 2.500    | 20.333 | -.00137 | 344.40804 | .39083  | .03853  | .00090  | .00012  | .00911  | .02828 | -.00047 |
| 2.500    | 25.848 | -.01745 | 343.97074 | .76935  | .03626  | .00115  | .00081  | .01069  | .02926 | -.00027 |
| 2.500    | 31.231 | -.02934 | 344.38043 | 1.00431 | .03393  | .00131  | .00136  | .01153  | .02941 | -.00037 |
| 2.500    | 36.874 | -.03449 | 344.32922 | 1.22993 | .03071  | .00196  | .00117  | .01374  | .02935 | -.00037 |
| 2.500    | 41.797 | -.06099 | 344.17558 | 1.44764 | .02700  | .00138  | .00236  | .01741  | .02870 | -.00027 |
| 2.500    | 44.123 | -.07065 | 344.32922 | 1.54192 | .02469  | .00122  | .00281  | .01844  | .02880 | -.00017 |
| GRADIENT | .00024 | -.35426 | .03396    | -.00321 | -.00292 | .00002  | -.00004 | .00026  | .00013 | .00000  |



0444 UPRUT 1035 COMF4 BE1C1E23F5MWR3V7V407X10

( 10 JUL 73 )

PARAMETRIC DATA

REFERENCE DATA

WRDF = 07.1500 30-IN. XWRP = 12.3772 INCHES  
 LWRP = 7.1220 INCHES YWRP = .0000 INCHES  
 BRDF = 14.0302 INCHES ZWRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

BETA = .000 ELEVTR = -44.000  
 ALIGN = .000 NUOOR = .000  
 SORLAP = -14.250 SPOBRK = 54.920

RUN NO. 73/ 0 RM/L = 2.50 GRADIENT INTERVAL = -3.00/ 9.00

| WACH  | ALPHA    | BETA    | G (PRF)   | CH      | CA      | CLM     | CBL    | CYM     | CY      | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|--------|---------|---------|--------|---------|
| 3.000 | -4.431   | .02756  | 375.96007 | -.21974 | .13253  | .02756  | .00064 | -.00037 | -.00046 | .01197 | -.00009 |
| 3.000 | -2.271   | .02413  | 375.96404 | -.16797 | .12546  | .02667  | .00222 | -.00089 | -.00067 | .01149 | -.00009 |
| 3.000 | -1.393   | .02047  | 376.03621 | -.14659 | .12269  | .02674  | .00293 | -.00012 | .00034  | .01149 | -.00009 |
| 3.000 | -.318    | .02090  | 376.04423 | -.11913 | .11932  | .02900  | .00369 | -.00024 | .00136  | .01197 | -.00009 |
| 3.000 | -.749    | .02041  | 376.03223 | -.09256 | .11368  | .02797  | .00163 | -.00026 | .00154  | .01164 | -.00024 |
| 3.000 | 1.662    | .02076  | 375.95602 | -.06939 | .11278  | .02749  | .00146 | -.00027 | .00136  | .01162 | -.00024 |
| 3.000 | 3.766    | .02119  | 375.99611 | -.02163 | .10659  | .02907  | .00259 | -.00026 | .00139  | .01206 | -.00009 |
| 3.000 | 5.916    | .02119  | 375.95602 | .03373  | .10231  | .02615  | .00195 | -.00033 | .00345  | .01206 | -.00009 |
| 3.000 | 8.027    | .01764  | 375.97562 | .09926  | .09922  | .02950  | .00170 | -.00039 | .00473  | .01223 | -.00009 |
| 3.000 | 10.040   | .01472  | 375.99196 | .14164  | .09723  | .03256  | .00170 | -.00013 | .00443  | .01261 | -.00009 |
| 3.000 | 12.201   | .01147  | 375.99196 | .20312  | .09331  | .03304  | .00169 | .00001  | .00567  | .01271 | -.00009 |
| 3.000 | 16.192   | .00673  | 375.91292 | .32316  | .08994  | .03574  | .00169 | .00013  | .00660  | .01312 | -.00009 |
| 3.000 | 20.431   | .00602  | 375.99166 | .47023  | .08369  | .03531  | .00161 | .00014  | .00634  | .01304 | -.00009 |
| 3.000 | 23.732   | -.00382 | 375.91292 | .62278  | .08063  | .04108  | .00229 | .00061  | .01091  | .01290 | -.00024 |
| 3.000 | 30.789   | -.00362 | 375.99166 | .86632  | .07633  | .04036  | .00230 | .00031  | .01349  | .01263 | -.00009 |
| 3.000 | 36.293   | -.01840 | 375.94800 | 1.09621 | .07264  | .04313  | .00235 | .00129  | .01531  | .01230 | -.00009 |
| 3.000 | 41.329   | -.03136 | 375.95602 | 1.31317 | .06640  | .04136  | .00250 | .00197  | .01632  | .01196 | -.00009 |
| 3.000 | 43.534   | -.03446 | 375.99166 | 1.40096 | .06329  | .04115  | .00269 | .00199  | .02037  | .01141 | -.00024 |
| 3.000 | GRADIENT | -.00073 | .00149    | .02440  | -.00316 | -.00002 | .00010 | .00002  | .00030  | .00007 | -.00001 |

0A44 UNIT 1085 COMFA 021CT0237 2ND 23V74107416

01PMAR81 ( 10 JUL 73 )

REFERENCE DATA

BREF = 07.1380 INCHES  
 LINEP = 7.1280 INCHES  
 BREF = 14.0102 INCHES  
 SCALE = 0.0190 SCALE

BETA = .000  
 ALLON = .000  
 SDFLAP = -14.290

ELEVTR = -44.000  
 RUDDER = .000  
 SPOBRN = 94.980

PARAMETRIC DATA

RUN NO. 74/ 0 RWL = 2.80 GRADIENT INTERVAL = -.500/ 5.00

| WAOH  | ALPHA    | BETA    | Q (PSF)   | CM      | CA      | CLM     | CEL    | CYM     | CY     | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|--------|---------|--------|--------|---------|
| 4.800 | -4.007   | .01976  | 294.17281 | -20370  | .13125  | .02377  | .00187 | -.00019 | .00092 | .00428 | -.00012 |
| 4.800 | -1.933   | .01945  | 294.17281 | -13521  | .12304  | .02474  | .00154 | -.00031 | .00234 | .00410 | -.00030 |
| 4.800 | -.944    | .01892  | 294.80204 | -13184  | .11764  | .02233  | .00170 | -.00031 | .00232 | .00439 | -.00012 |
| 4.800 | .093     | .02004  | 294.80204 | -10482  | .11307  | .02085  | .00187 | -.00032 | .00226 | .00431 | -.00030 |
| 4.800 | 1.081    | .01856  | 294.17281 | -.04190 | .10933  | .02173  | .00234 | .00004  | .00221 | .00448 | -.00012 |
| 4.800 | 2.041    | .01848  | 294.80204 | -.03823 | .10377  | .02087  | .00185 | -.00012 | .00389 | .00449 | -.00012 |
| 4.800 | 4.090    | .01876  | 294.17281 | -.01013 | .09967  | .02047  | .00186 | -.00013 | .00364 | .00459 | -.00012 |
| 4.800 | 6.136    | .01708  | 294.17281 | .03814  | .09378  | .02187  | .00187 | -.00015 | .00356 | .00448 | -.00012 |
| 4.800 | 8.303    | .01730  | 294.80204 | .09394  | .08973  | .02498  | .00170 | -.00031 | .00492 | .00473 | -.00030 |
| 4.800 | 10.268   | .01401  | 294.17281 | 1.4231  | .08570  | .02368  | .00186 | .00003  | .00483 | .00483 | -.00730 |
| 4.800 | 12.536   | .01431  | 294.17281 | 20.423  | .08342  | .02830  | .00185 | -.00014 | .00617 | .00911 | -.00012 |
| 4.800 | 16.511   | .00775  | 294.17281 | 32.479  | .07872  | .03093  | .00185 | .00038  | .00742 | .00922 | -.00012 |
| 4.800 | 20.593   | .00836  | 294.17281 | 48.014  | .07603  | .03233  | .00184 | .00004  | .01001 | .00922 | -.00012 |
| 4.800 | 25.843   | .00210  | 294.17281 | 64.499  | .07423  | .03620  | .00024 | .00044  | .01202 | .00932 | -.00012 |
| 4.800 | 31.013   | -.00042 | 294.17281 | 83.713  | .07094  | .03874  | .00073 | .00030  | .01388 | .00932 | -.00012 |
| 4.800 | 36.270   | -.01352 | 294.17281 | 1.05069 | .06515  | .03810  | .00093 | .00169  | .01496 | .00932 | -.00012 |
| 4.800 | 41.309   | -.01233 | 294.17281 | 1.23385 | .06343  | .03475  | .00132 | .00117  | .01890 | .00879 | -.00012 |
| 4.800 | 43.451   | -.01236 | 294.17281 | 1.34695 | .05927  | .02809  | .00185 | .00084  | .02165 | .00828 | -.00012 |
| 4.800 | GRADIENT | -.00032 | .01015    | .02423  | -.00398 | -.00031 | .00003 | .00002  | .00032 | .00003 | -.00001 |

QAAA UPRT 1035 CONF4 081CT020P SNA PWT087110

(SPW027) ( 18 JUL 73 )

REFERENCE DATA

GRP = 07.1500 00.1M. XGRP = 18.3772 INCHES  
 LREF = 7.1200 INCHES YREF = .0000 INCHES  
 XREF = 14.0302 INCHES ZREF = 6.0000 INCHES  
 SCALE = .0100 SCALE

BETA = .0000 ELEVTR = 11.0000  
 ALPHA = .0000 FLUDDR = .0000  
 SLOP = 13.7500 SPORRR = 94.9200

PARAMETRIC DATA

RUN NO. 71/ 0 RIVL = 2.00 GRADIENT INTERVAL = -3.00/ 9.00

| INCH  | ALPHA    | BETA    | B (UPRT)  | CH      | CA      | CLM     | COL     | CYN     | CY      | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 2.000 | -4.000   | .03904  | 543.02090 | -1.4718 | .13315  | -.02018 | -.00124 | -.00048 | -.00319 | .02344 | -.00018 |
| 2.000 | -2.000   | .03310  | 543.00031 | -.07067 | .13436  | -.02810 | -.00101 | -.00074 | -.00091 | .02376 | -.00006 |
| 2.000 | -1.000   | .03103  | 543.07074 | -.04403 | .13391  | -.02879 | -.00118 | -.00048 | -.00171 | .02304 | -.00004 |
| 2.000 | -.375    | .03106  | 543.00302 | -.00903 | .13307  | -.03100 | -.00110 | -.00044 | -.00017 | .02304 | -.00004 |
| 2.000 | .434     | .03227  | 543.79190 | .02172  | .13216  | -.03377 | -.00101 | -.00017 | -.00099 | .02376 | -.00004 |
| 2.000 | 1.497    | .03240  | 543.43042 | .03479  | .13143  | -.03639 | -.00049 | -.00046 | -.00029 | .02399 | -.00006 |
| 2.000 | 3.013    | .02913  | 543.70909 | .12123  | .12994  | -.04396 | -.00047 | -.00016 | -.00047 | .02346 | -.00006 |
| 2.000 | 5.765    | .02947  | 543.00034 | .10001  | .12946  | -.03100 | -.00030 | -.00076 | .00193  | .02345 | -.00007 |
| 2.000 | 7.079    | .02637  | 543.79190 | .20009  | .12930  | -.03650 | -.00032 | -.00037 | .00163  | .02349 | -.00027 |
| 2.000 | 10.007   | .02347  | 543.30003 | .34187  | .12433  | -.04144 | -.00041 | -.00049 | .00237  | .02337 | -.00027 |
| 2.000 | 12.865   | .02031  | 543.33099 | .41997  | .12311  | -.04606 | -.00033 | -.00046 | .00403  | .02317 | -.00027 |
| 2.000 | 16.313   | .01416  | 543.40422 | .50214  | .12234  | -.05332 | -.00009 | -.00038 | .00419  | .02079 | -.00027 |
| 2.000 | 20.332   | .00812  | 543.04271 | .74363  | .12006  | -.06064 | -.00034 | -.00026 | .00424  | .02090 | -.00027 |
| 2.000 | 26.072   | .00280  | 543.04347 | .96343  | .11749  | -.06742 | -.00042 | -.00014 | .01146  | .02079 | -.00037 |
| 2.000 | 31.171   | -.00483 | 543.00031 | 1.21352 | .11346  | -.07116 | -.00032 | -.00007 | .01327  | .02007 | -.00017 |
| 2.000 | 36.032   | -.00731 | 543.79190 | 1.49024 | .11371  | -.07379 | -.00113 | -.00047 | .01732  | .02036 | -.00027 |
| 2.000 | 42.021   | -.04432 | 543.33020 | 1.75136 | .11303  | -.07667 | -.00017 | -.00132 | .01746  | .02031 | -.00027 |
| 2.000 | 44.368   | -.03703 | 543.00034 | 1.07996 | .11245  | -.08447 | -.00073 | -.00045 | .02344  | .03009 | -.00027 |
| 2.000 | GRADIENT | -.00063 | .03440    | .03102  | -.00064 | -.00002 | -.00008 | -.00001 | .00006  | .00001 | .00001  |

GA44 UPWT 1093 COMP4 B81CTREFP8MR9V74D07K18

GRPMAS7 ( 10 JUL 73 )

REFERENCE DATA

WREF = 97.1900 SA.1N. YMRP = 12.5772 INCHES  
 LMRP = 7.1220 INCHES YMRP = .0000 INCHES  
 WREF = 14.0902 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = 11.000  
 AIRLON = .000 RUDDER = .000  
 BOPLAP = 13.750 SPOBRK = 54.920

RUN NO. 76/ 0 RML = 2.90 GRADIENT INTERVAL = -9.00/ 3.00

| WACH  | ALPHA    | BETA    | G(PSP)    | CN      | CA      | CLM     | CBL     | CYN     | CT     | CAS    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|---------|---------|--------|--------|---------|
| 3.900 | -4.461   | .02596  | 376.22667 | -1.2372 | .10333  | -.02563 | -.00026 | -.00090 | .00342 | .01143 | .00003  |
| 3.900 | -2.330   | .02256  | 375.77157 | -.06021 | .10207  | -.02377 | -.00017 | -.00075 | .00448 | .01190 | .00005  |
| 3.900 | -1.419   | .02271  | 375.60336 | -.06196 | .10056  | -.02318 | -.00017 | -.00076 | .00445 | .01223 | -.00009 |
| 3.900 | -.290    | .02271  | 375.59314 | -.03777 | .09937  | -.02372 | -.00030 | -.00066 | .00357 | .01249 | -.00009 |
| 3.900 | .836     | .02297  | 375.57911 | -.01061 | .09761  | -.02460 | -.00017 | -.00069 | .00352 | .01249 | -.00009 |
| 3.900 | 1.768    | .01945  | 375.60336 | .01342  | .09676  | -.02533 | -.00030 | -.00062 | .00351 | .01237 | -.00009 |
| 3.900 | 3.802    | .01966  | 375.60136 | .06006  | .09475  | -.02491 | -.00029 | -.00063 | .00343 | .01237 | -.00009 |
| 3.900 | 5.948    | .02006  | 375.65176 | .11542  | .09266  | -.02743 | -.00017 | -.00077 | .00446 | .01237 | -.00009 |
| 3.900 | 9.122    | .01674  | 375.93196 | .17371  | .09190  | -.02927 | -.00018 | -.00062 | .00754 | .01237 | -.00009 |
| 3.900 | 10.064   | .01699  | 375.60365 | .23477  | .09200  | -.03436 | -.00016 | -.00076 | .00661 | .01237 | -.00009 |
| 3.900 | 12.330   | .01368  | 375.99611 | .30329  | .09186  | -.04016 | -.00005 | -.00050 | .00651 | .01271 | .00005  |
| 3.900 | 16.319   | .01066  | 375.69968 | .43620  | .09236  | -.05233 | -.00006 | -.00049 | .01064 | .01237 | -.00009 |
| 3.900 | 20.512   | .00805  | 375.86780 | .59906  | .09451  | -.06661 | -.00006 | -.00049 | .01266 | .01249 | -.00009 |
| 3.900 | 25.327   | .00180  | 376.02017 | .81043  | .09610  | -.09147 | .00005  | -.00029 | .01325 | .01249 | -.00009 |
| 3.900 | 31.007   | -.00046 | 376.00413 | 1.05678 | .10264  | -.11901 | .00044  | -.00040 | .01764 | .01235 | -.00023 |
| 3.900 | 36.269   | -.00971 | 375.62771 | 1.31045 | .10622  | -.14762 | .00037  | .00011  | .01965 | .01230 | .00005  |
| 3.900 | 41.495   | -.01195 | 375.95602 | 1.56720 | .11159  | -.17647 | .00076  | -.00016 | .02401 | .01235 | -.00023 |
| 3.900 | 43.642   | -.02267 | 375.94800 | 1.67137 | .11041  | -.19871 | .00127  | .00029  | .02730 | .01249 | -.00009 |
| 3.900 | GRADIENT | -.00070 | -.05616   | .02250  | -.00126 | -.00003 | -.00001 | .00003  | .00026 | .00014 | -.00002 |



0444 UPM1 1033 CONF4 081C723DFMWRVPM107X10

(BPMAS7) ( 10 JUL 73 )

REFERENCE DATA

WREP = 87.1560 94.1IN. YMRP = 12.3772 INCHES  
 LAREP = 7.1220 INCHES YMRP = .0000 INCHES  
 WREP = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0130 SCALE

BETA = .000 ELEVTR = 11.000  
 AIRLON = .000 RUDDER = .000  
 BOPFLAP = 13.750 SPOBRK = 34.920

PARAMETRIC DATA

RUN NO. 77/ 0 RIVL = 2.0 GRADIENT INTERVAL = -3.00/ 9.00

| MAOH  | ALPHA    | BETA    | Q (PSF)   | CN      | CA      | CLM     | CEB     | CYN     | CY     | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|---------|---------|--------|--------|---------|
| 4.000 | -3.939   | .01690  | 294.41244 | -1.1659 | .10107  | -.02670 | -.00004 | -.00029 | .00292 | .00602 | -.00011 |
| 4.000 | -1.811   | .01901  | 294.41244 | -.07550 | .09362  | -.02436 | -.00005 | -.00045 | .00450 | .00933 | -.00011 |
| 4.000 | -1.039   | .01909  | 294.41244 | -.05996 | .09421  | -.02346 | -.00005 | -.00045 | .00429 | .00635 | -.00030 |
| 4.000 | .060     | .01930  | 294.41244 | -.03273 | .09272  | -.02360 | -.00004 | -.00046 | .00423 | .00673 | -.00011 |
| 4.000 | 1.136    | .01942  | 294.41244 | -.01319 | .09020  | -.02391 | -.00004 | -.00047 | .00421 | .00684 | -.00011 |
| 4.000 | 2.115    | .01937  | 294.41244 | .01005  | .08861  | -.02479 | -.00005 | -.00062 | .00363 | .00659 | .00007  |
| 4.000 | 4.142    | .01971  | 293.96321 | .05036  | .08993  | -.02374 | -.00004 | -.00064 | .00355 | .00693 | -.00011 |
| 4.000 | 6.192    | .01640  | 293.96321 | .10656  | .08405  | -.02431 | -.00004 | -.00030 | .00349 | .00693 | -.00011 |
| 4.000 | 8.336    | .01654  | 294.41244 | .16190  | .08202  | -.02790 | -.00005 | -.00046 | .00367 | .00694 | -.00011 |
| 4.000 | 10.313   | .01691  | 294.41244 | .21736  | .08165  | -.03003 | -.00004 | -.00048 | .00379 | .00694 | -.00011 |
| 4.000 | 12.611   | .01333  | 293.96321 | .26673  | .08247  | -.03554 | -.00011 | -.00029 | .00616 | .00993 | -.00011 |
| 4.000 | 16.496   | .01411  | 294.41244 | .41713  | .08307  | -.04825 | -.00005 | -.00046 | .00947 | .00694 | -.00011 |
| 4.000 | 20.571   | .00736  | 294.41244 | .57014  | .08637  | -.08366 | -.00007 | -.00010 | .01215 | .00694 | -.00011 |
| 4.000 | 23.901   | .00465  | 294.41244 | .76376  | .09210  | -.06696 | .00009  | -.00004 | .01405 | .00694 | -.00011 |
| 4.000 | 31.037   | .00199  | 293.96321 | 1.01633 | .09696  | -.11594 | .00043  | .00001  | .01606 | .00675 | -.00030 |
| 4.000 | 34.195   | -.00420 | 294.41244 | 1.25712 | .10325  | -.14633 | .00049  | .00034  | .01670 | .00694 | -.00011 |
| 4.000 | 41.400   | -.00666 | 294.41244 | 1.50292 | .10662  | -.17626 | .00066  | .00017  | .02274 | .00670 | .00007  |
| 4.000 | 43.590   | -.00656 | 293.96321 | 1.60430 | .10602  | -.19936 | .00121  | -.00001 | .02413 | .00679 | .00007  |
| 4.000 | GRADIENT | .00010  | -.04061   | .02166  | -.00165 | .00030  | .00000  | -.00004 | .00031 | .00011 | .00001  |



Q444 UNIT 1033 COMP4 881C7E23P/8485974107116

(BPHASE) ( 10 JUL 73 )

REFERENCE DATA

WREF = 07.1500 94.1IN. XMRP = 12.3772 INCHES  
 LMRP = 7.1200 INCHES YMRP = .0000 INCHES  
 SREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0100 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -24.000  
 ATLRON = .000 RUDDER = .000  
 SDFLAP = -14.250 SPOBRK = 34.920

RUN NO. 78/ 0 RWL = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

| WACH     | ALPHA  | BETA    | Q(PBF)    | CN      | CA      | CLM     | CBL     | CYN     | CT      | CAB    | CAC     |
|----------|--------|---------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|
| 2.900    | -4.981 | .02337  | 543.43301 | -.28419 | .15001  | .06288  | -.00061 | -.00008 | -.00216 | .02216 | -.00038 |
| 2.900    | -2.776 | .02372  | 542.43439 | -.19233 | .14841  | .05737  | -.00067 | -.00016 | -.00139 | .02322 | -.00026 |
| 2.900    | -1.759 | .02356  | 542.38317 | -.13951 | .14409  | .05392  | -.00079 | -.00033 | .00016  | .02340 | -.00038 |
| 2.900    | -.687  | .02384  | 542.36317 | -.12241 | .14120  | .05148  | -.00067 | -.00036 | .00014  | .02363 | -.00038 |
| 2.900    | .404   | .02262  | 542.71603 | -.08941 | .13863  | .04802  | -.00076 | -.00009 | -.00067 | .02403 | -.00026 |
| 2.900    | 1.349  | .02287  | 543.63786 | -.05633 | .13379  | .04539  | -.00069 | -.00010 | -.00070 | .02406 | -.00038 |
| 2.900    | 3.494  | .02318  | 544.99497 | .01425  | .12992  | .03833  | -.00086 | -.00020 | .00007  | .02445 | -.00016 |
| 2.900    | 5.603  | .02304  | 545.93996 | .07693  | .12479  | .03510  | -.00053 | -.00033 | .00310  | .02456 | -.00026 |
| 2.900    | 7.806  | .02013  | 545.17421 | .14980  | .12028  | .03346  | -.00044 | -.00036 | .00301  | .02449 | -.00026 |
| 2.900    | 9.668  | .01365  | 545.22542 | .21854  | .11376  | .03365  | -.00027 | .00000  | .00290  | .02391 | -.00016 |
| 2.500    | 12.238 | .01075  | 544.91815 | .29688  | .11188  | .03385  | -.00018 | .00009  | .00356  | .02426 | -.00029 |
| 2.900    | 16.230 | .00762  | 545.22542 | .43510  | .10817  | .03013  | -.00013 | -.00024 | .00803  | .02608 | -.00037 |
| 2.900    | 20.465 | -.00160 | 544.30846 | .58604  | .09890  | .02876  | .00030  | .00021  | .00849  | .02922 | -.00027 |
| 2.900    | 25.828 | -.00709 | 544.32922 | .79949  | .08741  | .02656  | .00055  | .00015  | .01161  | .02939 | -.00017 |
| 2.500    | 31.182 | -.01916 | 544.22679 | 1.01186 | .07479  | .02409  | .00074  | .00070  | .01251  | .02774 | -.00027 |
| 2.900    | 36.546 | -.02491 | 544.5852E | 1.23867 | .06400  | .01761  | .00135  | .00044  | .01747  | .02738 | -.00017 |
| 2.500    | 41.933 | -.05764 | 544.04755 | 1.46868 | .05424  | .00993  | .00011  | .00233  | .01656  | .02667 | -.00037 |
| 2.500    | 44.103 | -.05706 | 544.73891 | 1.55791 | .05107  | .00747  | .00070  | .00189  | .02016  | .02655 | -.00027 |
| GRADIENT |        | -.00039 | .19959    | .03286  | -.00241 | -.00267 | -.00001 | -.00000 | .00021  | .00026 | .00002  |



0A44 UPWT 1035 CONF4 881CTE2375MWR5V74107116

(RPMAS8) ( 10 JUL 78 )

REFERENCE DATA

WREF = 07.1560 80.1N. YMRP = 12.5772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 WREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -24.000  
 AIRLON = .000 RUDDER = .000  
 BDPLAP = -14.230 SPDPRK = 54.920

RUN NO. 79/ 0 RW/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | BETA    | Q (PSF)   | CN       | CA      | CLM    | CBL    | CYN     | CY      | CAB    | CAC     |
|-------|----------|---------|-----------|----------|---------|--------|--------|---------|---------|--------|---------|
| 3.900 | -4.494   | .02343  | 375.94802 | -1.17935 | .11342  | .01141 | .00123 | -.00028 | -.00036 | .01136 | -.00009 |
| 3.900 | -2.364   | .02378  | 376.01215 | -1.13382 | .10809  | .01229 | .00136 | -.00029 | -.00044 | .01155 | -.00009 |
| 3.900 | -1.342   | .02378  | 376.10639 | -1.11534 | .10655  | .01415 | .00147 | -.00041 | .00064  | .01179 | -.00009 |
| 3.900 | -.305    | .02396  | 376.18056 | -.06621  | .10395  | .01436 | .00135 | -.00042 | .00042  | .01165 | -.00024 |
| 3.900 | .716     | .02396  | 376.21264 | -.06404  | .10173  | .01397 | .00134 | -.00034 | .00172  | .01179 | -.00009 |
| 3.900 | 1.707    | .02415  | 376.44520 | -.04274  | .09959  | .01519 | .00135 | -.00035 | .00168  | .01180 | -.00009 |
| 3.900 | 3.751    | .02069  | 376.44520 | .00382   | .09498  | .01371 | .00135 | -.00028 | .00162  | .01198 | -.00024 |
| 3.900 | 5.635    | .02113  | 376.49331 | .05637   | .09066  | .01636 | .00147 | -.00041 | .00266  | .01199 | -.00024 |
| 3.900 | 8.002    | .01794  | 376.32491 | .10671   | .08759  | .01627 | .00060 | -.00016 | .00265  | .01198 | -.00024 |
| 3.900 | 9.965    | .01463  | 376.15650 | .16139   | .08343  | .02134 | .00059 | -.00032 | .00372  | .01198 | -.00024 |
| 3.900 | 12.307   | .01137  | 376.02819 | .22449   | .08371  | .02183 | .00034 | .00012  | .00478  | .01239 | -.00024 |
| 3.900 | 16.235   | .00647  | 375.96790 | .34565   | .07943  | .02393 | .00033 | .00012  | .00695  | .01239 | -.00024 |
| 3.900 | 20.381   | .00390  | 375.75949 | .48120   | .07644  | .02437 | .00058 | .00024  | .00766  | .01246 | -.00009 |
| 3.900 | 25.563   | -.00371 | 375.64374 | .66765   | .07344  | .03123 | .00057 | .00072  | .01012  | .01231 | -.00024 |
| 3.900 | 30.652   | -.00592 | 375.64374 | .87996   | .06879  | .03039 | .00094 | .00062  | .01262  | .01212 | -.00009 |
| 3.900 | 36.096   | -.01871 | 375.68384 | 1.09746  | .06332  | .03056 | .00067 | .00141  | .01432  | .01198 | -.00024 |
| 3.900 | 41.376   | -.02099 | 375.68384 | 1.32702  | .05907  | .02856 | .00139 | .00101  | .01969  | .01149 | -.00024 |
| 3.900 | 43.499   | -.02403 | 375.90790 | 1.41711  | .05366  | .02146 | .00178 | .00115  | .02064  | .01093 | -.00036 |
| 3.900 | GRADIENT | -.00021 | .06639    | .02237   | -.00222 | .00033 | .00001 | -.00002 | .00031  | .00007 | -.00001 |

0A44 UPM 1033 COMF4 821C233F5W48SV74107X16

(RPMAS8) ( 10 JUL 73 )

REFERENCE DATA

BRDF = 97.1500 SQ.IN. YMRP = 12.5772 INCHES  
 LREF = 7.1820 INCHES YMRP = .0000 INCHES  
 BRDF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -24.000  
 AIRRON = .000 RUDDER = .000  
 RDPFLAP = -14.250 SPDRBK = 34.920

RUN NO 60/ 0 RW/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

| WACH  | ALPHA    | BETA    | Q (PSF)   | CN      | CA      | CLM    | CBL     | CYN     | CT      | CAB    | CAC     |
|-------|----------|---------|-----------|---------|---------|--------|---------|---------|---------|--------|---------|
| 4.800 | -4.086   | .02322  | 29 95861  | -1.0606 | .10950  | .00355 | .00062  | -.00036 | -.00024 | .00733 | -.00012 |
| 4.800 | -1.962   | .01969  | 293.42738 | -.12309 | .10302  | .00393 | .00061  | -.00016 | .00116  | .00763 | -.00012 |
| 4.800 | -.966    | .01983  | 292.99815 | -.10332 | .10007  | .00747 | .00077  | -.00016 | .00111  | .00774 | -.00030 |
| 4.800 | .096     | .01995  | 292.99815 | -.07644 | .09669  | .00394 | .00062  | -.00017 | .00110  | .00803 | -.00012 |
| 4.800 | 1.092    | .01990  | 293.42738 | -.05662 | .09384  | .00745 | .00043  | -.00033 | .00234  | .00829 | -.00030 |
| 4.800 | 2.054    | .02005  | 293.42738 | -.03323 | .09086  | .00825 | .00045  | -.00034 | .00291  | .00828 | -.00030 |
| 4.800 | 4.108    | .02036  | 293.42738 | .01145  | .08966  | .01014 | .00045  | -.00035 | .00243  | .00809 | -.00049 |
| 4.800 | 6.176    | .02069  | 293.42738 | .05984  | .08122  | .01129 | .00046  | -.00037 | .00235  | .00828 | -.00030 |
| 4.800 | 8.356    | .01723  | 292.99815 | .11214  | .07611  | .01173 | .00043  | -.00017 | .00374  | .00846 | -.00012 |
| 4.800 | 10.286   | .01763  | 292.99815 | .16075  | .07595  | .01599 | .00043  | -.00019 | .00363  | .00827 | -.00030 |
| 4.800 | 12.602   | .01430  | 292.99815 | .22290  | .07381  | .01859 | .00044  | -.00001 | .00498  | .00846 | -.00012 |
| 4.800 | 16.471   | .01133  | 292.99815 | .33267  | .07112  | .02168 | .00044  | .00016  | .00824  | .00846 | -.00012 |
| 4.800 | 20.563   | .00838  | 292.99815 | .46862  | .06960  | .02469 | .00042  | .00016  | .00864  | .00860 | -.00030 |
| 4.800 | 25.710   | .00210  | 293.42738 | .64997  | .06814  | .02759 | .00026  | .00060  | .01069  | .00871 | -.00030 |
| 4.800 | 30.954   | -.00042 | 293.42738 | .84626  | .06450  | .02781 | .00106  | .00066  | .01250  | .00861 | -.00030 |
| 4.800 | 37.329   | -.00977 | 293.42738 | 1.10316 | .06155  | .02343 | .00114  | .00133  | .01497  | .00828 | -.00030 |
| 4.800 | 41.324   | -.01271 | 292.99815 | 1.27321 | .05684  | .02242 | .00148  | .00118  | .01903  | .00809 | -.00049 |
| 4.800 | 43.403   | -.01223 | 293.42738 | 1.35274 | .05195  | .01316 | .00168  | .00115  | .01690  | .00763 | -.00030 |
|       | GRADIENT | -.00025 | -.03088   | .02189  | -.00294 | .00072 | -.00003 | -.00001 | .00033  | .00011 | -.00004 |



0A44 UPM1 1033 COMP4 B21CTE23F SMMR9V7M107X10

(RPMAS9) ( 10 JUL 73 )

REFERENCE DATA

BREF = 07.1900 90.1M. YMRP = 12.5772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AIRLON = .000 RUDDER = .000  
 SOFLAP = 13.750 SPOBRK = 54.920

RUN NO. 03/ 0 RW/L = 2.50 GRADIENT INTERVAL = -.00V 5.00

| MACH  | ALPHA    | BETA    | Q (PSF)   | CN      | CA      | CLM     | CLL     | CYN     | CY      | CAB     | CAC     |
|-------|----------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 2.900 | -4.006   | .02787  | 545.04816 | -.17520 | .13120  | .00497  | -.00030 | -.00017 | -.00260 | .02485  | -.00016 |
| 2.900 | -2.743   | .02436  | 542.53861 | -.11077 | .12967  | .00073  | -.00069 | -.00016 | -.00106 | .02307  | .00012  |
| 2.900 | -1.706   | .02474  | 542.10131 | -.07394 | .12660  | -.00096 | -.00034 | -.00016 | -.00114 | .02466  | -.00008 |
| 2.900 | -.596    | .02301  | 542.36317 | -.03926 | .12756  | -.00493 | -.00023 | -.00017 | -.00117 | .02477  | -.00016 |
| 2.900 | .407     | .02343  | 544.27901 | -.00690 | .12376  | -.00607 | -.00036 | -.00011 | -.00194 | .02453  | -.00016 |
| 2.900 | 1.414    | .02352  | 544.43164 | .02376  | .12436  | -.01074 | -.00036 | -.00019 | -.00116 | .02497  | -.00008 |
| 2.900 | 3.556    | .02391  | 544.66170 | .09223  | .12164  | -.01763 | -.00036 | -.00029 | -.00043 | .02437  | -.00016 |
| 2.900 | 5.661    | .02274  | 544.81373 | .16086  | .11926  | -.02277 | -.00032 | -.00020 | -.00024 | .02494  | -.00016 |
| 2.900 | 7.890    | .01946  | 544.17356 | .23191  | .11843  | -.02367 | -.00033 | -.00016 | .00173  | .02566  | -.00016 |
| 2.900 | 9.920    | .01676  | 544.40804 | .30047  | .11334  | -.02999 | -.00016 | -.00006 | .00064  | .02566  | -.00016 |
| 2.900 | 12.286   | .01708  | 544.59326 | .36096  | .11047  | -.03265 | -.00012 | -.00020 | .00306  | .02426  | -.00027 |
| 2.900 | 16.314   | .01067  | 544.66209 | .52985  | .10790  | -.04455 | .00022  | -.00016 | .00601  | .02637  | -.00017 |
| 2.900 | 20.500   | .00130  | 544.46295 | .69437  | .10455  | -.03460 | .00033  | .00017  | .00733  | .02912  | -.00027 |
| 2.900 | 25.841   | -.00412 | 544.84376 | .91613  | .09615  | -.07196 | .00026  | .00015  | .01019  | .02993  | -.00027 |
| 2.900 | 31.296   | -.01272 | 544.61373 | 1.15429 | .09826  | -.09131 | .00096  | .00041  | .01202  | .02602  | -.00047 |
| 2.900 | 36.631   | -.01796 | 545.12300 | 1.39697 | .06354  | -.11397 | .00130  | .00026  | .01590  | .02628  | -.00067 |
| 2.900 | 42.065   | -.03156 | 544.79012 | 1.65047 | .07691  | -.14127 | .00069  | .00194  | .01697  | .02693  | -.00047 |
| 2.900 | 44.219   | -.04705 | 544.35482 | 1.74493 | .07739  | -.14943 | .00141  | .00146  | .01669  | .02911  | -.00037 |
| 2.900 | GRADIENT | -.00011 | .09936    | .03176  | -.00117 | -.00291 | -.00001 | -.00001 | .00017  | -.00006 | -.00001 |

CA44 UPR 1038 CONF4 BEIC7025P MAR30V107X16

(SPN225) ( 10 JUL 73 )

REFERENCE DATA

MREF = 87.1580 88.1N. XMRP = 12.5772 INCHES  
 LMRP = 7.1220 INCHES YMRP = .0000 INCHES  
 MREF = 14.0902 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AILRON = .000 RUDDER = .000  
 SDRPLAP = 13.750 SPOSRK = 34.920

RUN NO. 81/ 0 RIVL = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | ALPHA  | BETA    | Q (PSF)   | CM      | CA      | CLM     | CBL     | CYN     | CY     | CAB    | CAC     |
|----------|--------|---------|-----------|---------|---------|---------|---------|---------|--------|--------|---------|
| 3.900    | -4.454 | .02281  | 376.49329 | -.13703 | .10290  | -.01581 | -.00063 | -.00026 | .00001 | .01102 | -.00009 |
| 3.900    | -2.359 | .01937  | 376.41312 | -.09341 | .09699  | -.01339 | -.00039 | -.00013 | .00103 | .01126 | -.00009 |
| 3.900    | -1.345 | .01954  | 375.97203 | -.07481 | .09731  | -.01347 | -.00039 | -.00014 | .00102 | .01179 | -.00003 |
| 3.900    | -.279  | .01956  | 375.76355 | -.05099 | .09536  | -.01157 | -.00040 | -.00026 | .00212 | .01167 | .00003  |
| 3.900    | .751   | .01976  | 375.60336 | -.02735 | .09381  | -.01221 | -.00039 | -.00027 | .00208 | .01173 | -.00009 |
| 3.900    | 1.699  | .01989  | 375.61118 | -.00675 | .09215  | -.01356 | -.00032 | -.00026 | .00208 | .01214 | -.00009 |
| 3.900    | 3.793  | .01671  | 375.57911 | .04006  | .08946  | -.01068 | -.00031 | -.00001 | .00200 | .01200 | -.00024 |
| 3.900    | 5.866  | .01694  | 375.58713 | .06970  | .08709  | -.01134 | -.00039 | -.00014 | .00304 | .01200 | -.00024 |
| 3.900    | 8.018  | .01376  | 375.62722 | .14515  | .08544  | -.01163 | -.00039 | .00012  | .00296 | .01214 | -.00009 |
| 3.900    | 9.985  | .01408  | 375.64326 | .20359  | .08433  | -.01257 | -.00040 | -.00002 | .00401 | .01229 | .00003  |
| 3.900    | 12.322 | .01076  | 375.72345 | .27004  | .08333  | -.01634 | -.00046 | .00012  | .00507 | .01247 | -.00009 |
| 3.900    | 16.231 | .00778  | 375.81167 | .39737  | .08135  | -.02292 | -.00045 | .00013  | .00717 | .01247 | -.00009 |
| 3.900    | 20.393 | .00517  | 375.77959 | .54804  | .08072  | -.03119 | -.00041 | .00024  | .00810 | .01262 | .00003  |
| 3.900    | 25.621 | -.00116 | 375.63373 | .75271  | .08107  | -.04360 | -.00050 | .00026  | .01238 | .01247 | -.00009 |
| 3.900    | 30.871 | -.00350 | 375.66364 | .98042  | .07991  | -.06169 | .00002  | .00012  | .01332 | .01223 | -.00024 |
| 3.900    | 36.123 | -.01640 | 375.89988 | 1.22163 | .08072  | -.08112 | .00033  | .00097  | .01675 | .01206 | -.00009 |
| 3.900    | 41.422 | -.01864 | 375.94800 | 1.47727 | .07809  | -.10360 | .00114  | .00074  | .02034 | .01192 | -.00024 |
| 3.900    | 43.975 | -.01776 | 375.87382 | 1.57972 | .07696  | -.11644 | .00138  | .00072  | .01994 | .01151 | -.00024 |
| GRADIENT |        | -.00034 | -.12767   | .02162  | -.00164 | .00046  | .00001  | .00002  | .00026 | .00013 | -.00002 |



REFERENCE DATA  
 SREF = 87.1980 SQ. IN. XMRP = 12.5772 INCHES BETA = .000 ELEVTR = .000  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES ALLRON = .000 RUDDER = .000  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES BDFLAP = 13.750 SPOSRK = 54.920  
 SCALE = .0130 SCALE

PARAMETRIC DATA

RUN NO. 82/ 0 RML = 2.49 GRADIENT INTERVAL = -3.00/ 5.00

| MACH  | ALPHA    | BETA    | 0(P5F)    | CN       | CA      | CLM     | CBL     | CYN     | CY      | CAB    | CAC     |
|-------|----------|---------|-----------|----------|---------|---------|---------|---------|---------|--------|---------|
| 4.600 | -4.034   | .01930  | 293.38217 | -1.13028 | .09926  | -.01964 | -.00032 | .00015  | -.00144 | .00728 | -.00030 |
| 4.600 | -1.982   | .01943  | 293.38217 | -.09922  | .09351  | -.01599 | -.00017 | -.00001 | -.00009 | .00767 | -.00012 |
| 4.600 | -.961    | .01955  | 293.38217 | -.06928  | .09118  | -.01626 | -.00016 | -.00002 | -.00010 | .00789 | -.00030 |
| 4.600 | .040     | .01949  | 293.38217 | -.04637  | .09969  | -.01726 | -.00033 | -.00017 | .00135  | .00910 | -.00030 |
| 4.600 | 1.117    | .01964  | 293.38217 | -.02732  | .09667  | -.01591 | -.00033 | -.00014 | .00132  | .00938 | -.00012 |
| 4.600 | 2.064    | .01980  | 293.38217 | -.00458  | .09458  | -.01328 | -.00017 | -.00014 | .00126  | .00939 | -.00030 |
| 4.600 | 4.133    | .02015  | 293.38217 | -.03631  | .09126  | -.01151 | -.00016 | -.00020 | .00117  | .00932 | -.00030 |
| 4.600 | 6.201    | .01667  | 293.38217 | .08474   | .07830  | -.01793 | -.00018 | .00070  | .00275  | .00923 | -.00012 |
| 4.600 | 8.347    | .01702  | 293.38217 | 1.4044   | .07621  | -.01326 | -.00017 | -.00002 | .00248  | .00938 | -.00012 |
| 4.600 | 10.313   | .01354  | 293.38217 | 1.9249   | .07484  | -.01499 | -.00019 | .00015  | .00317  | .00944 | -.00012 |
| 4.600 | 12.589   | .01400  | 293.38217 | 2.5522   | .07478  | -.01552 | -.00029 | .00015  | .00316  | .00973 | -.00030 |
| 4.600 | 16.481   | .01078  | 293.38217 | 3.8092   | .07331  | -.02319 | -.00009 | .00017  | .00331  | .00973 | -.00030 |
| 4.600 | 20.614   | .00793  | 293.38217 | 5.2467   | .07352  | -.02947 | -.00004 | .00033  | .00375  | .00973 | -.00030 |
| 4.600 | 25.756   | .00322  | 293.38217 | 7.2284   | .07332  | -.04133 | -.00013 | .00032  | .00339  | .00944 | -.00012 |
| 4.600 | 30.966   | .00260  | 293.38217 | 9.4309   | .07492  | -.06063 | .00067  | .00032  | .01284  | .00944 | -.00012 |
| 4.600 | 36.144   | -.00716 | 293.38217 | 1.17706  | .07723  | -.08098 | .00170  | .00109  | .01471  | .00930 | -.00030 |
| 4.600 | 41.359   | -.00987 | 293.38217 | 1.41815  | .07561  | -.10592 | .00224  | .00098  | .01810  | .00920 | -.00030 |
| 4.600 | 43.436   | -.00951 | 293.38217 | 1.50696  | .07183  | -.12623 | .00248  | .00099  | .01779  | .00796 | -.00012 |
| 4.600 | GRADIENT | .00010  | -.00000   | .02041   | -.00220 | .00090  | .00001  | -.00004 | .00034  | .00014 | -.00005 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



DA44 UPWT 1035 CONF-2A 810C3D7M3F4W87E18R9V9X18 (MPN802) ( 10 JUL 73 )

REFERENCE DATA

SREP = 87.1580 SO.IN. XMRP = 13.1489 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRFP = 14.0502 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETI = .000 ELEVTR = .000  
 A:LRCA = .000 RUDDER = .000  
 BDFLAP = -14.250 SPOBRK = 94.920

RUN NO. 4/ 0 RIVL = 2.50 GRADIENT INTERVAL = -5.00/ 9.00

| MACH  | ALPHA    | CL      | CD      | L/D     | CPB     | CPBH    | CPSC    | CHEI    | CHEO    | CHR     | CHET    |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 2.500 | -4.816   | -.14256 | .14530  | -.96115 | -.15104 | -.16432 | -.14792 | .03234  | .00454  | .04870  | .03686  |
| 2.500 | -2.441   | -.07696 | .13593  | -.56817 | -.15630 | -.16430 | -.15143 | .02022  | -.00303 | .04871  | .01719  |
| 2.500 | -1.420   | -.04679 | .13302  | -.35172 | -.15636 | -.16610 | -.15302 | .01482  | -.00757 | .04868  | .00725  |
| 2.500 | -.320    | -.01282 | .13136  | -.09761 | -.15606 | -.16606 | -.15498 | .00909  | -.01211 | .04870  | -.00403 |
| 2.500 | .895     | .01748  | .13043  | .13400  | -.15610 | -.16604 | -.15301 | .00269  | -.01314 | .04483  | -.01244 |
| 2.500 | 1.717    | .04773  | .13061  | .36544  | -.15612 | -.16435 | -.15302 | -.00269 | -.01816 | .04482  | -.02096 |
| 2.500 | 3.053    | .11131  | .13474  | .82612  | -.15610 | -.16259 | -.15676 | -.01482 | -.02422 | .04483  | -.03904 |
| 2.500 | 6.006    | .17837  | .14507  | 1.23068 | -.15686 | -.16958 | -.15834 | -.02829 | -.03179 | .04483  | -.06008 |
| 2.500 | 8.147    | .23926  | .15691  | 1.50563 | -.16339 | -.17309 | -.16209 | -.03906 | -.03784 | .04036  | -.07690 |
| 2.500 | 10.157   | .29528  | .17669  | 1.87114 | -.16515 | -.17308 | -.16385 | -.04984 | -.04389 | .04037  | -.09373 |
| 2.500 | 12.558   | .36459  | .20396  | 1.78756 | -.16862 | -.16778 | -.16379 | -.06067 | -.05151 | .04060  | -.11216 |
| 2.500 | 16.397   | .48889  | .26620  | 1.63579 | -.16866 | -.16258 | -.16384 | -.08488 | -.06353 | .03652  | -.14847 |
| 2.500 | 20.819   | .62061  | .35613  | 1.74263 | -.16513 | -.16432 | -.16030 | -.11049 | -.07873 | .03246  | -.16922 |
| 2.500 | 26.200   | .78417  | .50318  | 1.55843 | -.16863 | -.16934 | -.16203 | -.14828 | -.09997 | .02436  | -.24826 |
| 2.500 | 31.566   | .93695  | .69190  | 1.35498 | -.17212 | -.17302 | -.16731 | -.18746 | -.12275 | .02031  | -.31022 |
| 2.500 | 36.937   | 1.06855 | .91820  | 1.16137 | -.18096 | -.17479 | -.17088 | -.23590 | -.14693 | .01624  | -.38283 |
| 2.500 | 42.351   | 1.16371 | 1.17993 | .96823  | -.18804 | -.17484 | -.17799 | -.28354 | -.18043 | .02839  | -.44597 |
| 2.500 | 44.545   | 1.16965 | 1.29169 | .92101  | -.18802 | -.17657 | -.17974 | -.30315 | -.16905 | .02840  | -.47120 |
| 2.500 | GRADIENT | .03000  | -.00126 | .21612  | -.00076 | .00015  | -.00096 | -.00357 | -.00345 | -.00084 | -.00902 |



PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AIRLON = .000 RLODER = .000  
 BOFLAP = -14.230 SPOBRK = 34.920

REFERENCE DATA

REF = 07.1900 96.1M. 10RIP = 13.1469 INCHES  
 LREF = 7.1250 INCHES YMRP = .0000 INCHES  
 BRFP = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

RUN NO. 6/0 RW/L = 2.30 GRADIENT INTERVAL = -5.00/ 5.00

| WACH  | ALPHA    | CL      | CD      | L/D     | CFB     | CFM     | CPAC    | CHET    | CHEO    | CHR     | CHET    |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3.900 | -4.366   | -1.0630 | .11476  | -9.4930 | -.07346 | -.07666 | -.07185 | .00975  | .00000  | .03324  | .00975  |
| 3.900 | -2.235   | -.07130 | .10472  | -6.0087 | -.07347 | -.07666 | -.07186 | .00390  | -.00436 | .02936  | -.00046 |
| 3.900 | -1.848   | -.03246 | .10134  | -.31766 | -.07347 | -.07666 | -.07186 | .00195  | -.00436 | .02936  | -.00243 |
| 3.900 | -.197    | -.03068 | .09849  | -.31155 | -.07347 | -.07666 | -.07185 | .02000  | -.00436 | .02937  | -.00856 |
| 3.900 | .840     | -.00845 | .09708  | -.08111 | -.07347 | -.07666 | -.07186 | -.00195 | -.00678 | .02936  | -.01071 |
| 3.900 | 1.608    | -.00722 | .09690  | .07456  | -.07347 | -.07666 | -.07186 | .00195  | -.01095 | .02935  | -.01290 |
| 3.900 | 3.067    | .05329  | .09643  | .54146  | -.07347 | -.07666 | -.07186 | -.00195 | -.01933 | .02346  | -.01726 |
| 3.900 | 5.912    | .09622  | .10355  | .92923  | -.07346 | -.07666 | -.07185 | -.00975 | -.01972 | .02349  | -.02947 |
| 3.900 | 6.107    | 1.4991  | .11376  | 1.31749 | -.07347 | -.07666 | -.07442 | -.01960 | -.02629 | .01761  | -.04169 |
| 3.900 | 10.096   | .20316  | .12966  | 1.57991 | -.07346 | -.07666 | -.07697 | -.02145 | -.03066 | .01762  | -.05213 |
| 3.900 | 12.436   | .28769  | .13222  | 1.75992 | -.07301 | -.07666 | -.07697 | -.03150 | -.03725 | .01762  | -.06446 |
| 3.900 | 16.370   | .36077  | .20761  | 1.63259 | -.07600 | -.07666 | -.07696 | -.03073 | -.04623 | .01763  | -.09696 |
| 3.900 | 20.493   | .30493  | .26683  | 1.76040 | -.07601 | -.07669 | -.07697 | -.07214 | -.04133 | .01174  | -.13349 |
| 3.900 | 23.790   | .66090  | .42149  | 1.56802 | -.07601 | -.07669 | -.07697 | -.10530 | -.07666 | .00367  | -.16419 |
| 3.900 | 31.034   | .61433  | .59753  | 1.36262 | -.07656 | -.07666 | -.07697 | -.14434 | -.10092 | .01175  | -.24517 |
| 3.900 | 34.316   | .84657  | .60961  | 1.16917 | -.07656 | -.07666 | -.07441 | -.16917 | -.12491 | .01175  | -.31406 |
| 3.900 | 41.515   | 1.05567 | 1.05090 | 1.00454 | -.07656 | -.07669 | -.07441 | -.23595 | -.14900 | .01175  | -.36496 |
| 3.900 | 43.775   | 1.09101 | 1.16053 | .94009  | -.07601 | -.07436 | -.06930 | -.26126 | -.13773 | .01174  | -.41903 |
| 3.900 | GRADIENT | .01961  | -.00196 | .18232  | -.00000 | -.00000 | -.00000 | -.00145 | -.00162 | -.00109 | -.00327 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



0444 UPPL 1888 COMP-SA 816C287874P1E1.81678118

(SPR888) ( 10 JUL 73 )

REFERENCE DATA

BRP = 87.1588 88.14. ZMRP = 13.1488 INCHES  
 LAEP = 7.1828 INCHES YMRP = .0000 INCHES  
 BRP = 14.8788 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ALPHA = .000 FLUDDR = .000  
 BOPLAP = -14.230 SPDRK = 84.920

RUN NO. 12/ 0 RML = 2.50 GRADIENT INTERVAL = -5.00/ 9.00

| MOON  | ALPHA    | CL      | CD      | L/D     | CPH     | CPHM    | CPSC    | OME1    | OME0    | OME1   | OME0    | OME1    | OME0    |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|
| 4.800 | -3.907   | -.08845 | .10731  | -.43382 | -.03113 | -.03222 | -.03240 | .00000  | -.00180 | .01900 | -.00180 | -.00180 | -.00180 |
| 4.800 | -1.831   | -.03188 | .08649  | -.33773 | -.03441 | -.03222 | -.03240 | .00000  | -.00439 | .01900 | -.00439 | -.00439 | -.00439 |
| 4.800 | -.830    | -.03471 | .09320  | -.37242 | -.03113 | -.03222 | -.04913 | .00000  | -.00439 | .01900 | -.00439 | -.00439 | -.00439 |
| 4.800 | .225     | -.01751 | .08045  | -.19338 | -.03113 | -.03222 | -.03238 | -.00249 | -.00641 | .01900 | -.00641 | -.00641 | -.01090 |
| 4.800 | 1.245    | -.00017 | .06863  | -.00187 | -.03113 | -.03222 | -.04913 | -.00249 | -.01119 | .01900 | -.01119 | -.01119 | -.01368 |
| 4.800 | 2.186    | .01727  | .08876  | .19435  | -.03113 | -.03222 | -.04913 | -.00249 | -.01119 | .01900 | -.01119 | -.01119 | -.01368 |
| 4.800 | 4.274    | .03650  | .08982  | .63273  | -.03113 | -.04879 | -.04913 | -.00249 | -.01679 | .01900 | -.01679 | -.01679 | -.01928 |
| 4.800 | 6.307    | .10336  | .08453  | 1.09330 | -.03441 | -.03222 | -.03240 | -.00747 | -.01959 | .01900 | -.01959 | -.01959 | -.02703 |
| 4.800 | 8.441    | .15121  | .10475  | 1.44355 | -.03441 | -.03222 | -.03240 | -.01494 | -.02318 | .00750 | -.02318 | -.02318 | -.04012 |
| 4.800 | 10.414   | .20203  | .11853  | 1.70440 | -.03441 | -.03222 | -.03240 | -.01992 | -.03078 | .00750 | -.03078 | -.03078 | -.03970 |
| 4.800 | 12.894   | .26110  | .14069  | 1.85362 | -.03441 | -.03222 | -.03240 | -.02908 | -.03337 | .00750 | -.03337 | -.03337 | -.06345 |
| 4.800 | 16.833   | .37262  | .19685  | 1.89487 | -.03441 | -.03222 | -.03240 | -.04731 | -.04197 | .00000 | -.04197 | -.04197 | -.08928 |
| 4.800 | 20.734   | .48431  | .27686  | 1.78530 | -.03439 | -.03222 | -.03236 | -.06733 | -.05604 | .00000 | -.05604 | -.05604 | -.12336 |
| 4.800 | 25.885   | .64378  | .40767  | 1.57910 | -.03766 | -.03222 | -.03240 | -.09711 | -.07354 | .00000 | -.07354 | -.07354 | -.17263 |
| 4.800 | 31.148   | .79067  | .57626  | 1.36763 | -.03766 | -.03222 | -.03240 | -.13694 | -.09793 | .00000 | -.09793 | -.09793 | -.23487 |
| 4.800 | 36.332   | .91733  | .78276  | 1.17191 | -.03766 | -.03222 | -.03240 | -.18176 | -.12311 | .00000 | -.12311 | -.12311 | -.30487 |
| 4.800 | 41.542   | 1.02124 | 1.01362 | 1.00733 | -.03441 | -.03222 | -.03240 | -.22907 | -.14349 | .00000 | -.14349 | -.14349 | -.37456 |
| 4.800 | 43.636   | 1.03030 | 1.10757 | .94829  | -.03441 | -.03222 | -.03240 | -.24899 | -.15368 | .00000 | -.15368 | -.15368 | -.40287 |
| 4.800 | GRADIENT | .01785  | -.00213 | .18155  | .00015  | .00030  | .00048  | -.00041 | -.00124 | .00000 | -.00124 | -.00124 | -.00165 |





0444 UNPRT 1085 COMP-2A BLOC807WHP4MPT108793210

PARAMS ( 10 JUL 73 )

REFERENCE DATA

WREF = 07.1400 IN. WREF = 13.1400 INCHES  
 WREF = 7.1820 INCHES WREF = .0000 INCHES  
 WREF = 14.0702 INCHES WREF = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = 3.020 ELEVTR = .000  
 AILURON = .000 RUDDER = .000  
 SPOFLAP = -14.230 SPOBRK = 34.920

RUN NO. 7/ 0 RW/L = 2.30 GRADIENT INTERVAL = -3.00/ 3.00

| MACH  | ALPHA    | CL      | CD      | L/D     | CPM     | CPM     | CPSC    | OHEI    | OMEQ    | OMR    | OMET    |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|
| 3.000 | -4.341   | -.10613 | .11623  | -9.3014 | -.07347 | -.07609 | -.07186 | .01364  | -.00438 | .11134 | .00226  |
| 3.000 | -2.263   | -.04812 | .10627  | -.64100 | -.07346 | -.07608 | -.07183 | .00373  | -.00637 | .11139 | .00318  |
| 3.000 | -1.194   | -.04926 | .10270  | -.47988 | -.07346 | -.07608 | -.07183 | .00365  | -.00677 | .11139 | -.00292 |
| 3.000 | -.182    | -.03043 | .10006  | -.30412 | -.07346 | -.07608 | -.07183 | .00393  | -.00877 | .11161 | -.00487 |
| 3.000 | .646     | -.00836 | .09641  | -.08717 | -.07601 | -.07609 | -.07183 | .00193  | -.01096 | .11139 | -.00901 |
| 3.000 | 1.622    | .01327  | .09772  | .13378  | -.07601 | -.07609 | -.07441 | .00000  | -.01313 | .11137 | -.01313 |
| 3.000 | 3.609    | .03346  | .09616  | .54464  | -.07602 | -.07609 | -.07442 | -.00193 | -.01732 | .11135 | -.01947 |
| 3.000 | 5.932    | .10193  | .10434  | .97883  | -.07602 | -.07609 | -.07186 | -.00790 | -.02409 | .09980 | -.03189 |
| 3.000 | 6.072    | .13297  | .11424  | 1.33908 | -.07602 | -.07609 | -.07442 | -.01360 | -.02659 | .09353 | -.04189 |
| 3.000 | 10.032   | .20336  | .12834  | 1.58451 | -.07602 | -.07609 | -.07698 | -.02339 | -.03067 | .08907 | -.05406 |
| 3.000 | 12.390   | .26773  | .13310  | 1.74889 | -.07637 | -.07642 | -.07442 | -.03314 | -.03943 | .08219 | -.07237 |
| 3.000 | 16.333   | .36361  | .20810  | 1.64341 | -.07636 | -.07642 | -.07442 | -.03069 | -.05039 | .03263 | -.10104 |
| 3.000 | 20.499   | .50300  | .28743  | 1.75691 | -.07636 | -.07609 | -.07441 | -.10328 | -.06334 | .01174 | -.13366 |
| 3.000 | 25.717   | .66160  | .42102  | 1.57143 | -.07636 | -.07609 | -.07697 | -.10226 | -.08323 | .00587 | -.18433 |
| 3.000 | 31.012   | .81426  | .59732  | 1.34273 | -.06111 | -.07608 | -.07697 | -.14238 | -.10299 | .04111 | -.24333 |
| 3.000 | 36.233   | .94322  | .80481  | 1.17197 | -.07636 | -.07608 | -.07441 | -.18721 | -.12490 | .04111 | -.31211 |
| 3.000 | 41.564   | 1.03371 | 1.03211 | 1.00342 | -.07636 | -.07608 | -.07183 | -.23992 | -.14904 | .01173 | -.39698 |
| 3.000 | 43.782   | 1.09190 | 1.16114 | .94028  | -.07601 | -.07436 | -.06930 | -.23738 | -.15336 | .00387 | -.41294 |
| 3.000 | GRADIENT | .01989  | -.00216 | .16164  | -.00041 | -.00000 | -.00033 | -.00199 | -.00137 | .00000 | -.00338 |



0444 UNWT 1033 COMP-2A BLOCED PUMP CALIBRATION 3/31/6

(RPM=603) ( 10 JUL 73 )

REFERENCE DATA

WREF = 07.1500 INCHES WREF = 13.1488 INCHES  
 LREF = 7.1250 INCHES YREF = .0000 INCHES  
 WREF = 14.0502 INCHES ZREF = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = 3.0000 ELEVTR = .0000  
 AIRCON = .0000 HLOORR = .0000  
 BOFLAP = -14.2300 SPOERR = 54.9800

RUN NO. 13/ 0 RW/L = 2.30 GRADIENT INTERVAL = -1.00/ 3.00

| MACH     | ALPHA  | CL       | CD      | L/D     | CPS     | CPSM    | CPSC    | OME1    | OME2    | OMR     | OMET    |
|----------|--------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4.000    | -3.913 | -0.0793  | .10846  | -.01063 | -.03441 | -.03222 | -.03240 | .00249  | -.00839 | .09748  | -.00390 |
| 4.000    | -1.033 | -0.0408  | .09907  | -.04398 | -.03441 | -.03222 | -.03240 | .00249  | -.00839 | .10496  | -.00390 |
| 4.000    | -.836  | -0.03703 | .09309  | -.04968 | -.03439 | -.03220 | -.03234 | .00000  | -.01121 | .07762  | -.01121 |
| 4.000    | .210   | -0.01807 | .08243  | -.17388 | -.03441 | -.03222 | -.03240 | -.00249 | -.01119 | .09748  | -.01348 |
| 4.000    | 1.230  | .00120   | .09039  | .01329  | -.03441 | -.03222 | -.03240 | -.00249 | -.01119 | .09748  | -.01348 |
| 4.000    | 2.222  | .02226   | .09042  | .24833  | -.03441 | -.03222 | -.03240 | -.00249 | -.01399 | .09748  | -.01648 |
| 4.000    | 4.255  | .03973   | .09068  | .69898  | -.03439 | -.03220 | -.03234 | -.00499 | -.01681 | .09748  | -.02100 |
| 4.000    | 6.268  | .10097   | .09334  | 1.02993 | -.03439 | -.03220 | -.03234 | -.00748 | -.01961 | .09011  | -.02709 |
| 4.000    | 8.436  | .19274   | .10348  | 1.44796 | -.03439 | -.03220 | -.03234 | -.01496 | -.02322 | .07310  | -.04018 |
| 4.000    | 10.398 | .28000   | .11982  | 1.87193 | -.03439 | -.03220 | -.03234 | -.02244 | -.03082 | .07310  | -.03328 |
| 4.000    | 12.714 | .26234   | .14243  | 1.64332 | -.03764 | -.03220 | -.03236 | -.02992 | -.03443 | .06008  | -.04633 |
| 4.000    | 16.804 | .37339   | .19813  | 1.98337 | -.03764 | -.03220 | -.03240 | -.04731 | -.04736 | .02999  | -.09487 |
| 4.000    | 20.719 | .49331   | .27765  | 1.78466 | -.03764 | -.03220 | -.03236 | -.04733 | -.06164 | .00731  | -.12897 |
| 4.000    | 24.804 | .64474   | .40933  | 1.57811 | -.03764 | -.03222 | -.03240 | -.09940 | -.07934 | .02230  | -.17794 |
| 4.000    | 31.128 | .79164   | .57937  | 1.36636 | -.03764 | -.03222 | -.03240 | -.13694 | -.10072 | .02230  | -.23787 |
| 4.000    | 36.308 | .91803   | .78029  | 1.17398 | -.03764 | -.03222 | -.03240 | -.18176 | -.12311 | .02999  | -.30487 |
| 4.000    | 41.544 | 1.02805  | 1.01465 | 1.00730 | -.03764 | -.03222 | -.03240 | -.23136 | -.14349 | .00000  | -.37703 |
| 4.000    | 43.630 | 1.04913  | 1.10490 | .94932  | -.03441 | -.03222 | -.03240 | -.24899 | -.13109 | .00000  | -.40708 |
| GRADIENT |        | .01822   | -.00221 | .18340  | .00000  | .00000  | .00000  | -.07099 | -.08104 | -.00034 | -.00003 |

DATA INPUT 1838 COMP-2A B10C507WAF4407E108V8X16

(RPN804) ( 10 JUL 75 )

REFERENCE DATA

BRPZ = 87.1860 SQ. IN. XMRP = 12.468 INCHES  
 LREF = 7.1280 INCHES YMRP = .0008 INCHES  
 BRFL = 14.0382 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -40.000  
 AILROM = .000 RUDDER = .000  
 BDFLAP = -14.230 SPDBRK = 54.920

RUN NO. 18/ 0 RIN/L = 2.50 GRADIENT INTERVAL = -.500/ 5.00

| MACH  | ALPHA  | CL      | CD      | L/D      | CPB      | CPBM     | CPSC     | CHEI    | CHEO    | CHR     | CHET    |
|-------|--------|---------|---------|----------|----------|----------|----------|---------|---------|---------|---------|
| 2.500 | -4.711 | -24830  | .18598  | -1.33310 | -1.14890 | -1.16368 | -1.14378 | .21393  | .06190  | .04065  | .29784  |
| 2.500 | -2.561 | -18409  | .17062  | -1.07895 | -1.14514 | -1.11492 | -1.14025 | .19367  | .07430  | .04064  | .26998  |
| 2.500 | -1.325 | -15233  | .16347  | -.93304  | -1.14320 | -1.14972 | -1.14208 | .18206  | .06971  | .04081  | .25177  |
| 2.500 | -.404  | -11703  | .15751  | -.74300  | -1.14893 | -1.15145 | -1.14382 | .17133  | .06670  | .04063  | .23903  |
| 2.500 | .592   | -88719  | .15347  | -.56810  | -1.14873 | -1.15300 | -1.14565 | .16312  | .06211  | .03654  | .22323  |
| 2.500 | 1.853  | -.05144 | .14972  | -.34355  | -1.14872 | -1.15672 | -1.14361 | .14836  | .05759  | .03656  | .20395  |
| 2.500 | 3.747  | .01206  | .14581  | .08293   | -1.14874 | -1.15849 | -1.14564 | .11883  | .05151  | .03633  | .17017  |
| 2.500 | 5.831  | .07548  | .14814  | .50960   | -1.15403 | -1.16375 | -1.15095 | .06629  | .04999  | .03634  | .13628  |
| 2.500 | 6.077  | .14419  | .13779  | .91361   | -1.15733 | -1.16697 | -1.15446 | .06609  | .04395  | .03250  | .11004  |
| 2.500 | 10.129 | .20635  | .17298  | 1.20362  | -1.15930 | -1.16723 | -1.15447 | .05796  | .03940  | .03249  | .09738  |
| 2.500 | 12.273 | .27792  | .19540  | 1.42230  | -1.16109 | -1.16901 | -1.15981 | .04987  | .03787  | .03247  | .08774  |
| 2.500 | 16.484 | .39670  | .24383  | 1.61369  | -1.16639 | -1.16202 | -1.16335 | .02965  | .03180  | .02941  | .06145  |
| 2.500 | 20.819 | .53001  | .32962  | 1.60791  | -1.17697 | -1.17603 | -1.17397 | .01732  | .02120  | .02435  | .03871  |
| 2.500 | 26.147 | .68495  | .46046  | 1.48752  | -1.17872 | -1.18302 | -1.17397 | .00135  | .01060  | .01623  | .01195  |
| 2.500 | 31.356 | .82940  | .63007  | 1.31653  | -1.17871 | -1.18476 | -1.17924 | -.00339 | .00303  | .00812  | -.00236 |
| 2.500 | 36.970 | .95167  | .83225  | 1.14348  | -1.18049 | -1.19303 | -1.17771 | -.01617 | -.00303 | .00811  | -.01919 |
| 2.500 | 42.354 | 1.04926 | 1.07533 | .97375   | -1.18048 | -1.17775 | -1.17371 | -.02698 | -.00606 | .02842  | -.03302 |
| 2.500 | 44.331 | 1.07152 | 1.17495 | .91197   | -1.18226 | -1.18129 | -1.17752 | -.03098 | -.00757 | .01217  | -.03835 |
| 2.500 | .03092 | -.00480 | -.00480 | .16905   | -.00041  | .00028   | -.00049  | -.01132 | -.00366 | -.00064 | -.01499 |



0444 UPM 1035 COMP-2A B10C80TH3474PTELEORVSX16

(RPN004) ( 10 JUL 73 )

REFERENCE DATA

BRP = 07.1980 SQ. IN. XMRP = 14.1489 INCHES  
 LWRP = 7.1220 INCHES YMRP = .0000 INCHES  
 BRP = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

BETA = .000 ELEVTR = -40.000  
 AIRLON = .000 RUDDER = .000  
 BDFLAP = -14.250 SPOBRK = 54.920

PARAMETRIC DATA

RUN NO. 19/ 0 RWL = 2.90 GRADIENT INTERVAL = -3.00/ 3.00

| MAOH  | ALPHA    | CL      | CD      | L/D      | CPB     | CPBM    | CPSC    | CHET    | CHEO    | CHR     | CHET    |
|-------|----------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|
| 3.900 | -4.410   | -1.6902 | .14219  | -1.18872 | -.07273 | -.07104 | -.07116 | .07316  | .06374  | .03324  | .13790  |
| 3.900 | -2.283   | -1.2429 | .12602  | -.98623  | -.07020 | -.07337 | -.07116 | .06346  | .05917  | .02937  | .11963  |
| 3.900 | -1.246   | -1.0300 | .11933  | -.81169  | -.07020 | -.07337 | -.07116 | .05951  | .05479  | .02937  | .11331  |
| 3.900 | -.218    | -.08152 | .11499  | -.70891  | -.07020 | -.07337 | -.07116 | .05951  | .05040  | .02937  | .10891  |
| 3.900 | .857     | -.06009 | .11145  | -.53917  | -.07021 | -.07105 | -.07116 | .05480  | .04820  | .02349  | .10280  |
| 3.900 | 1.793    | -.03828 | .10942  | -.34985  | -.07273 | -.07337 | -.07116 | .05481  | .04803  | .02350  | .10064  |
| 3.900 | 3.651    | .00436  | .10755  | .04077   | -.07273 | -.07336 | -.07374 | .04680  | .04362  | .02349  | .09062  |
| 3.900 | 5.919    | .04969  | .11017  | .43280   | -.07330 | -.07337 | -.07374 | .03706  | .04603  | .02350  | .08309  |
| 3.900 | 8.089    | .10071  | .11614  | .82445   | -.07330 | -.07336 | -.07374 | .03315  | .04362  | .01782  | .07697  |
| 3.900 | 10.060   | .15105  | .13035  | 1.13700  | -.07785 | -.07611 | -.07630 | .03315  | .04183  | .01782  | .07477  |
| 3.900 | 12.368   | .21316  | .14999  | 1.42116  | -.07785 | -.07611 | -.07630 | .02925  | .03944  | .01782  | .06868  |
| 3.900 | 16.329   | .32448  | .19818  | 1.63732  | -.07785 | -.07664 | -.07666 | .01930  | .03068  | .01175  | .05016  |
| 3.900 | 20.464   | .44241  | .26649  | 1.64780  | -.07785 | -.07664 | -.07666 | .00975  | .02410  | .01174  | .03363  |
| 3.900 | 25.730   | .56803  | .39068  | 1.50313  | -.07785 | -.07664 | -.07666 | .00383  | .01534  | .00567  | .02119  |
| 3.900 | 30.956   | .72329  | .54608  | 1.33063  | -.07784 | -.07663 | -.07665 | -.00193 | .00636  | .01175  | .00463  |
| 3.900 | 36.211   | .85379  | .74070  | 1.15266  | -.07785 | -.07664 | -.07666 | -.00780 | -.00219 | .00387  | -.00999 |
| 3.900 | 41.467   | .95900  | .96503  | .99374   | -.07273 | -.07611 | -.07116 | -.01363 | -.00877 | .00387  | -.02242 |
| 3.900 | 43.645   | .99022  | 1.05914 | .93493   | -.07020 | -.07104 | -.06862 | -.01360 | -.00877 | .00387  | -.02437 |
| 3.900 | GRADIENT | .02097  | -.00417 | .19008   | -.00011 | -.00016 | -.00023 | -.00271 | -.00279 | -.00150 | -.00350 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

0A44 UNIT 1088 COMP-2A DISC80700F Q47E10R5V516

(RPH804) ( 10 JUL 78 )

REFERENCE DATA

ORSZ = 07.1860 00.1N. ZMRP = 13.1489 INCHES  
 LABF = 7.1820 INCHES YMRP = .0000 INCHES  
 ORZF = 14.0402 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -40.000  
 AIRLON = .000 RUDDER = .000  
 SDPLAP = -14.250 SPOSRK = 54.920

RUN NO. 20/ 0 R/W/L = 2.50 GRADIENT INTERVAL = -.5.00/ 5.00

| MACH     | ALPHA  | CL      | CD      | L/D      | CPB     | CPBM    | CPSX    | CMET    | CHEO    | CMR     | CMET    |
|----------|--------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|
| 4.000    | -3.976 | -1.1267 | .13371  | -1.12690 | -.03023 | -.05122 | -.05133 | .01726  | .07641  | .02231  | .14369  |
| 4.000    | -1.886 | -1.1274 | .12005  | -.93915  | -.03023 | -.05445 | -.05133 | .03961  | .06440  | .02231  | .12421  |
| 4.000    | -.926  | -.08655 | .11276  | -.76332  | -.03023 | -.03445 | -.05133 | .03961  | .03960  | .02231  | .11661  |
| 4.000    | .201   | -.04816 | .10789  | -.63103  | -.03023 | -.05122 | -.05133 | .03482  | .05860  | .02231  | .11363  |
| 4.000    | 1.224  | -.04740 | .10445  | -.45379  | -.03349 | -.05445 | -.05133 | .04964  | .03960  | .02231  | .10664  |
| 4.000    | 2.187  | -.03013 | .10207  | -.29322  | -.03349 | -.05445 | -.05133 | .04486  | .05800  | .02231  | .10086  |
| 4.000    | 4.244  | .01065  | .10007  | .10645   | -.03349 | -.05445 | -.05480 | .03967  | .05670  | .02231  | .09598  |
| 4.000    | 6.293  | .03221  | .10211  | .34069   | -.03349 | -.05445 | -.05133 | .03489  | .05040  | .02231  | .08329  |
| 4.000    | 8.363  | .10649  | .10932  | .97226   | -.03349 | -.05445 | -.05133 | .03240  | .04480  | .01501  | .07720  |
| 4.000    | 10.518 | .13390  | .12074  | 1.27469  | -.03674 | -.05445 | -.05480 | .02990  | .04200  | .01501  | .07191  |
| 4.000    | 12.680 | .20982  | .13624  | 1.51776  | -.03674 | -.05769 | -.05807 | .02492  | .03840  | .01501  | .06132  |
| 4.000    | 16.608 | .31896  | .18772  | 1.69926  | -.03674 | -.05769 | -.05807 | .01994  | .02520  | .00750  | .04514  |
| 4.000    | 20.667 | .43307  | .25923  | 1.67834  | -.03674 | -.05769 | -.05807 | .01246  | .01960  | .00750  | .03206  |
| 4.000    | 25.893 | .57490  | .37960  | 1.51450  | -.03674 | -.05769 | -.05805 | .00749  | .01402  | .00750  | .012151 |
| 4.000    | 31.176 | .70916  | .53371  | 1.32872  | -.03674 | -.05769 | -.05807 | -.00249 | .00560  | .00750  | .00311  |
| 4.000    | 36.310 | .82661  | .71910  | 1.14978  | -.03349 | -.05769 | -.05480 | -.00997 | .00000  | .00750  | -.00997 |
| 4.000    | 41.489 | .92145  | .92727  | .99372   | -.03349 | -.05769 | -.05480 | -.01495 | -.00260 | .00750  | -.01775 |
| 4.000    | 43.641 | .95086  | 1.01502 | .93679   | -.03349 | -.05122 | -.05133 | -.01744 | -.00560 | .00750  | -.02304 |
| GRADIENT | .01994 | -.00434 | .15171  | -.00030  | -.00033 | -.00030 | -.00030 | -.00346 | -.00247 | -.00000 | -.00393 |



DA44 UPM 1035 COMP-2A 810C507M3F A WATE16R3V5X16

( 10 JUL 75 )

REFERENCE DATA

BRP = 87.1860 SQ. IN. XRRP = 13.1489 INCHES  
 LRRP = 7.1820 INCHES YRRP = .0000 INCHES  
 BRFP = 14.0302 INCHES ZRRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

BETA = .000 ELEVTR = 10.000  
 AIRLON = .000 RUDDER = .000  
 BDFLAP = 13.750 SPODRK = 54.920

PARAMETRIC DATA

| RUH NO. | 21/0     | RW/L   | 2.50    | GRADIENT INTERVAL | -3.00/  | 3.00    |         |         |         |         |         |
|---------|----------|--------|---------|-------------------|---------|---------|---------|---------|---------|---------|---------|
| MACH    | ALPHA    | CL     | CD      | L/D               | CPS     | CPHM    | CPSC    | OHEI    | CHEO    | CR      | OMET    |
| 2.500   | -4.635   | -10568 | .14782  | -71486            | -15435  | -17111  | -15124  | -02361  | -02272  | .34060  | -04833  |
| 2.500   | -2.4E1   | -03611 | .13978  | -23930            | -15615  | -16939  | -15305  | -03336  | -03179  | 03632   | -06617  |
| 2.500   | -1.408   | -00615 | .13885  | -04436            | -15613  | -16937  | -15303  | -04176  | -03463  | .03633  | -07661  |
| 2.500   | -.232    | 02970  | .13601  | .21917            | -13769  | -17112  | -15479  | -04632  | -03536  | .03633  | -09790  |
| 2.500   | .794     | 03561  | .13631  | .40208            | -13606  | -17263  | -15296  | -03529  | -04393  | .03633  | -09924  |
| 2.500   | 1.722    | 06568  | .13977  | .81448            | -15607  | -17109  | -15297  | -06069  | -04698  | .03636  | -10767  |
| 2.500   | 3.845    | 14888  | .14858  | 1.01370           | -13788  | -17111  | -15635  | -07413  | -05804  | .03633  | -13017  |
| 2.500   | 6.007    | 21934  | .16032  | 1.36615           | -15964  | -17636  | -15832  | -06827  | -06313  | .03247  | -15159  |
| 2.500   | 8.168    | 28288  | .17805  | 1.58883           | -16494  | -17968  | -16188  | -10106  | -07268  | .03247  | -17374  |
| 2.500   | 10.161   | 34187  | .19934  | 1.71501           | -16670  | -17288  | -16188  | -11454  | -08177  | .03247  | -19630  |
| 2.500   | 12.932   | 41312  | .23065  | 1.79112           | -16848  | -17114  | -16343  | -13203  | -09234  | .02840  | -22437  |
| 2.500   | 16.678   | 54899  | .30325  | 1.79198           | -16669  | -16080  | -16336  | -16581  | -11313  | .02842  | -26094  |
| 2.500   | 20.812   | 67951  | .40360  | 1.67334           | -17021  | -17111  | -16339  | -19930  | -13632  | .02030  | -33382  |
| 2.500   | 26.238   | 83275  | .57477  | 1.48383           | -17199  | -17464  | -16693  | -23193  | -18603  | .01623  | -42000  |
| 2.500   | 31.666   | 100375 | .78396  | 1.28291           | -17730  | -17990  | -17428  | -30034  | -19977  | .00406  | -50011  |
| 2.500   | 37.034   | 113620 | 1.03452 | 1.10021           | -18255  | -18338  | -17779  | -39842  | -23166  | .00812  | -59006  |
| 2.500   | 42.324   | 124494 | 1.33219 | .93431            | -18981  | -19039  | -18840  | -43106  | -25127  | .01623  | -68233  |
| 2.500   | 48.323   | 124062 | 1.51693 | .83007            | -18936  | -19036  | -18484  | -42326  | -24339  | .01624  | -86667  |
|         | GRADIENT | .02982 | -.00014 | .20328            | -.00032 | -.00016 | -.00048 | -.00376 | -.00369 | -.00037 | -.00986 |



CA44 UPWT 1035 CONF-2A B1DC507M3F407E1MR1SV5X16

(UPH003) ( 10 JUL 73 )

REFERENCE DATA

MREF = 07.1500 20.1IN. XMRP = 13.1469 INCHES  
 LMRP = 7.1220 INCHES YMRP = .0000 INCHES  
 WREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

P-PARAMETRIC DATA

BETA = .000 ELEVTR = 10.000  
 AILRON = .000 RUDDER = .000  
 90FLAP = 13.750 SPOBRK = 54.920

RUN NO. 22/ 0 RW/L = 2.50 GRADIENT INTERVAL = -3.00/ 3.00

| MACH     | ALPHA  | CL      | CD      | L/D     | CPB     | CPBH    | CPSC    | CHET    | CHEO    | CHR     | CHET    |
|----------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3.900    | -4.418 | -.09725 | .11852  | -.83466 | -.07576 | -.07916 | -.07416 | -.00974 | -.01314 | .02348  | -.02286 |
| 3.900    | -2.277 | -.03727 | .10856  | -.53740 | -.07575 | -.07915 | -.07415 | -.01365 | -.01752 | .02348  | -.03117 |
| 3.900    | -1.269 | -.03575 | .10367  | -.34460 | -.07574 | -.07914 | -.07414 | -.01931 | -.01975 | .02350  | -.03924 |
| 3.900    | -.201  | -.01406 | .10191  | -.13794 | -.07574 | -.07914 | -.07414 | -.02148 | -.02192 | .02350  | -.04336 |
| 3.900    | .929   | .00757  | .10061  | .07512  | -.07574 | -.07914 | -.07414 | -.02731 | -.02831 | .01763  | -.05382 |
| 3.900    | 1.823  | .02664  | .10092  | .26396  | -.07574 | -.07914 | -.07414 | -.03122 | -.03069 | .01763  | -.06191 |
| 3.900    | 3.068  | .07211  | .10448  | .69022  | -.07574 | -.07914 | -.07414 | -.03902 | -.03508 | .01763  | -.07410 |
| 3.900    | 5.899  | .12036  | .11216  | 1.07329 | -.07574 | -.07914 | -.07414 | -.03072 | -.04364 | .01763  | -.09456 |
| 3.900    | 8.147  | .17617  | .12537  | 1.40521 | -.07574 | -.07914 | -.07670 | -.06436 | -.03261 | .01175  | -.11699 |
| 3.900    | 10.124 | .23402  | .14402  | 1.62482 | -.07630 | -.07915 | -.07671 | -.07603 | -.06354 | .01174  | -.13959 |
| 3.900    | 12.489 | .30009  | .17122  | 1.75262 | -.07630 | -.07915 | -.07671 | -.09164 | -.07450 | .01174  | -.16614 |
| 3.900    | 16.386 | .42136  | .23495  | 1.79340 | -.07629 | -.07915 | -.07670 | -.12675 | -.09203 | .01175  | -.21676 |
| 3.900    | 20.474 | .55263  | .32462  | 1.70239 | -.07629 | -.07915 | -.07415 | -.16381 | -.11395 | .00567  | -.27776 |
| 3.900    | 25.682 | .71688  | .47682  | 1.30314 | -.07575 | -.07662 | -.07671 | -.21645 | -.14462 | .00000  | -.36107 |
| 3.900    | 30.949 | .87292  | .67059  | 1.30172 | -.07630 | -.07915 | -.07671 | -.27100 | -.17746 | .01174  | -.44846 |
| 3.900    | 36.335 | 1.01276 | .91039  | 1.11247 | -.07630 | -.07915 | -.07928 | -.32933 | -.21034 | .00567  | -.53986 |
| 3.900    | 41.493 | 1.12014 | 1.17436 | .93363  | -.07630 | -.07915 | -.07415 | -.38609 | -.24102 | .00567  | -.62711 |
| 3.900    | 43.777 | 1.15250 | 1.29262 | .89160  | -.07629 | -.07915 | -.07415 | -.41145 | -.25199 | .00000  | -.66345 |
| GRADIENT |        | .02036  | -.00145 | .18601  | .00000  | .00000  | .00000  | -.00366 | -.00276 | -.00094 | -.00643 |



DATA UPWT 1035 CONF-2A B10C907H3F4MATE1ER3V5X16

(RPM003) ( 10 JUL 73 )

REFERENCE DATA

WREF = 07.1560 SQ.IN. XMRP = 13.1489 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEV% = 10.000  
 AIRLON = .000 RUDDER = .000  
 BDPLAP = 13.750 SPDGRK = 54.920

RUN NO. 23/ 0 RIN/L = 2.50 GRADIENT INTERVAL = -3.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D     | CPB     | CPBM    | CPSC    | CMET    | CMEO    | CMR     | CMET    |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4.000 | -3.886   | -.06951 | .11042  | -.81041 | -.03407 | -.05512 | -.05206 | -.01245 | -.01119 | .02250  | -.02364 |
| 4.000 | -1.790   | -.03220 | .10056  | -.51913 | -.03407 | -.05512 | -.05206 | -.01745 | -.01958 | .01500  | -.03701 |
| 4.000 | -.836    | -.03500 | .09723  | -.36001 | -.03407 | -.05512 | -.05206 | -.01992 | -.01958 | .01500  | -.03950 |
| 4.000 | .196     | -.01417 | .09465  | -.14974 | -.03407 | -.05512 | -.05206 | -.02490 | -.02236 | .01500  | -.04726 |
| 4.000 | 1.236    | .00661  | .09364  | .07036  | -.03407 | -.05512 | -.05206 | -.02739 | -.02316 | .01500  | -.05257 |
| 4.000 | 2.146    | .02408  | .09365  | .21668  | -.03407 | -.05512 | -.05206 | -.02966 | -.02796 | .01500  | -.05786 |
| 4.000 | 4.276    | .04466  | .09330  | .67147  | -.03407 | -.05512 | -.05206 | -.03486 | -.03637 | .01500  | -.07123 |
| 4.000 | 6.294    | .11274  | .10323  | 1.09216 | -.03407 | -.05512 | -.05206 | -.04233 | -.04197 | .01500  | -.06430 |
| 4.000 | 8.492    | .16703  | .11354  | 1.44564 | -.03407 | -.05512 | -.05206 | -.05727 | -.03036 | .01500  | -.10763 |
| 4.000 | 10.395   | .22090  | .13236  | 1.66696 | -.03732 | -.05166 | -.05206 | -.06972 | -.05596 | .01500  | -.12567 |
| 4.000 | 12.675   | .28580  | .15663  | 1.80166 | -.03732 | -.05512 | -.05206 | -.06983 | -.06715 | .00750  | -.15676 |
| 4.000 | 16.636   | .40632  | .22446  | 1.81912 | -.03732 | -.05512 | -.05206 | -.12449 | -.06673 | .00750  | -.21123 |
| 4.000 | 20.756   | .53540  | .31472  | 1.70121 | -.03732 | -.05512 | -.05533 | -.18184 | -.10632 | .00750  | -.26616 |
| 4.000 | 25.866   | .69561  | .46229  | 1.50466 | -.05732 | -.05512 | -.05533 | -.21164 | -.13709 | .00000  | -.34873 |
| 4.000 | 30.947   | .84183  | .64454  | 1.30606 | -.05732 | -.05512 | -.05533 | -.26690 | -.17067 | .00750  | -.43957 |
| 4.000 | 36.363   | .97729  | .87931  | 1.11143 | -.05732 | -.05512 | -.05533 | -.32646 | -.20144 | .00750  | -.53011 |
| 4.000 | 41.335   | 1.07470 | 1.12794 | .95260  | -.05732 | -.05512 | -.05206 | -.36344 | -.23502 | .00000  | -.61646 |
| 4.000 | 43.669   | 1.10444 | 1.23393 | .89506  | -.05407 | -.05512 | -.05206 | -.40336 | -.24621 | .00000  | -.64937 |
| 4.000 | GRADIENT | .01902  | -.00173 | .18558  | -.80000 | .00031  | -.00031 | -.00266 | -.00269 | -.00071 | -.00376 |

Q444 UNIT 1035 COMP-SA B10C8D70W4A7E1R8V8X16

(RPM08) ( 10 JUL 73 )

REFERENCE DATA

WREF = 97.1500 IN. XWRP = 13.1488 INCHES  
 LWREF = 7.1220 INCHES YWRP = .0000 INCHES  
 BRREF = 14.0502 INCHES ZWRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .0F J  
 AIRLON = .000 RUDDER = .000  
 BDFLAP = 13.750 SPOBRK = 51.920

RUN NO. 24/ 0 RW/L = 2.50 GRADIENT INTERVAL = -5.00/ 9.00

| MACH     | ALPHA  | CL      | CD      | L/D     | CPB     | CPBM    | CPSC    | OME1    | CHEO    | OMR     | CHET    |
|----------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 2.500    | -4.588 | -13389  | .14361  | -.93189 | -.15094 | -.16397 | -.14980 | .03104  | .00455  | .04065  | .03558  |
| 2.500    | -2.446 | -.04888 | .13828  | -.51274 | -.13266 | -.16416 | -.15132 | .01691  | -.00304 | .04087  | .01987  |
| 2.500    | -1.427 | -.03558 | .13320  | -.26711 | -.13267 | -.16244 | -.15134 | .01350  | -.00807 | .04067  | .00743  |
| 2.500    | -.324  | -.00354 | .13183  | -.02889 | -.13446 | -.16246 | -.15313 | .00810  | -.00910 | .04083  | -.00100 |
| 2.500    | .718   | .02449  | .13137  | .18644  | -.13450 | -.16249 | -.15317 | .00135  | -.01213 | .04063  | -.01078 |
| 2.500    | 1.697  | .03283  | .13178  | .40091  | -.13445 | -.16245 | -.15312 | -.00405 | -.01317 | .04066  | -.01922 |
| 2.500    | 3.806  | .11638  | .13890  | .85012  | -.13627 | -.16250 | -.15495 | -.01484 | -.02122 | .04063  | -.03606 |
| 2.500    | 5.934  | .18366  | .14737  | 1.24765 | -.13798 | -.17295 | -.15664 | -.02936 | -.02732 | .03660  | -.03568 |
| 2.500    | 8.146  | .24971  | .16342  | 1.52807 | -.17304 | -.17904 | -.15833 | -.04045 | -.03464 | .03248  | -.07529 |
| 2.500    | 10.174 | .30801  | .18230  | 1.66935 | -.16149 | -.16789 | -.15841 | -.04997 | -.03794 | .03234  | -.08791 |
| 2.500    | 12.528 | .37830  | .21135  | 1.79232 | -.16694 | -.16399 | -.16025 | -.06072 | -.04700 | .03231  | -.10772 |
| 2.500    | 16.587 | .50164  | .27624  | 1.81593 | -.17034 | -.16596 | -.16730 | -.08504 | -.05812 | .03232  | -.14116 |
| 2.500    | 20.819 | .64136  | .37437  | 1.71322 | -.17572 | -.17307 | -.16917 | -.11184 | -.07117 | .02435  | -.18301 |
| 2.500    | 26.109 | .80846  | .52674  | 1.53102 | -.17743 | -.17651 | -.17285 | -.14974 | -.09701 | .02031  | -.24675 |
| 2.500    | 31.590 | .95975  | .72259  | 1.32822 | -.17743 | -.17651 | -.17285 | -.19021 | -.11824 | .00813  | -.30845 |
| 2.500    | 36.930 | 1.08923 | .95697  | 1.13821 | -.18273 | -.18003 | -.17620 | -.24006 | -.14245 | .00812  | -.38251 |
| 2.500    | 42.336 | 1.18845 | 1.22930 | .96678  | -.18980 | -.18531 | -.18331 | -.29381 | -.15751 | .01824  | -.45132 |
| 2.500    | 44.544 | 1.21276 | 1.34295 | .90312  | -.18978 | -.18703 | -.18327 | -.31560 | -.16319 | .02031  | -.48079 |
| GRADIENT | .02991 | -.00105 | .21417  | .00039  | -.00061 | .00039  | -.00061 | -.00590 | -.00304 | -.00000 | -.00854 |



DATA UNIT 1058 COMP-2A 810C907H07407E18R3V5X16

(RPN06) ( 10 JUL 75 )

REFERENCE DATA

WREF = 97.1960 SQ. IN.    YARP = 13.1466 INCHES  
 LREF = 7.1820 INCHES    YARP = .0000 INCHES  
 WREF = 14.0808 INCHES    ZARP = 6.0000 INCHES  
 SCALE = .0150 SCALE

BETA = .000    ELEVTR = .000  
 AIRCRN = .000    RUDDER = .000  
 BDFLAP = 13.790    SPDRK = 54.920

PARAMETRIC DATA

RUN NO.    SS/ O    RW/L = 2.50    GRADIENT INTERVAL = -5.00/ 3.00

| MACH  | ALPHA    | CL      | CD      | L/D     | CPB     | CPRM    | CPSX    | CHET    | CMZO    | CMR     | CHET    |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3.900 | -4.964   | -1.1812 | .11949  | -9.7175 | -.07606 | -.07943 | -.07704 | .00760  | .00219  | .02935  | .00999  |
| 3.900 | -2.268   | -.06861 | .10983  | -6.4757 | -.07604 | -.07942 | -.07702 | .00390  | .00000  | .02934  | .00390  |
| 3.900 | -1.229   | -.04688 | .10194  | -4.9963 | -.07351 | -.07690 | -.07703 | .00195  | -.00436 | .02936  | -.00243 |
| 3.900 | -.202    | -.03099 | .09991  | -3.1021 | -.07350 | -.07689 | -.07447 | .00000  | -.00436 | .02390  | -.00436 |
| 3.900 | .642     | -.00911 | .09618  | -.09282 | -.07604 | -.07688 | -.07446 | -.00195 | -.00698 | .02391  | -.00698 |
| 3.900 | 1.601    | .01278  | .09783  | 1.3066  | -.07349 | -.07688 | -.07446 | -.00390 | -.00636 | .02391  | -.01046 |
| 3.900 | 3.674    | .03373  | .09980  | .59667  | -.07604 | -.07688 | -.07446 | -.00366 | -.01316 | .02391  | -.01902 |
| 3.900 | 5.944    | .10146  | .10590  | .94801  | -.07604 | -.07688 | -.07702 | -.01171 | -.01333 | .02391  | -.02706 |
| 3.900 | 8.112    | .11909  | .11651  | 1.33116 | -.07605 | -.07942 | -.07702 | -.01951 | -.02192 | .01763  | -.04144 |
| 3.900 | 10.076   | .23823  | .13231  | 1.57394 | -.07859 | -.07941 | -.07702 | -.02732 | -.02651 | .01763  | -.05363 |
| 3.900 | 12.392   | .27248  | .13642  | 1.74200 | -.07680 | -.07942 | -.07959 | -.03311 | -.03267 | .01762  | -.06798 |
| 3.900 | 16.354   | .39022  | .21516  | 1.61367 | -.06114 | -.07941 | -.08214 | -.05271 | -.04606 | .01764  | -.09877 |
| 3.900 | 20.491   | .51815  | .29875  | 1.73437 | -.06115 | -.07942 | -.07956 | -.07414 | -.05919 | .01175  | -.13333 |
| 3.900 | 25.693   | .67631  | .43901  | 1.54054 | -.07861 | -.07690 | -.07703 | -.10919 | -.07866 | .00367  | -.16607 |
| 3.900 | 30.967   | .83410  | .62336  | 1.33603 | -.07680 | -.07689 | -.07703 | -.14827 | -.10094 | .01175  | -.24910 |
| 3.900 | 36.261   | .96856  | .84355  | 1.14622 | -.06116 | -.07690 | -.07959 | -.19497 | -.12486 | .00367  | -.31985 |
| 3.900 | 41.325   | 1.06111 | 1.00060 | .98212  | -.06115 | -.07690 | -.07959 | -.24374 | -.14900 | .00367  | -.39274 |
| 3.900 | 43.723   | 1.11291 | 1.20952 | .92012  | -.07680 | -.07689 | -.07447 | -.26719 | -.13779 | .00367  | -.42498 |
|       | GRADIENT | .01940  | -.00225 | .17474  | .00007  | .00034  | .00039  | -.00162 | -.00167 | -.00069 | -.00329 |

0444 UPWT 1038 CONF-2A B10C20THRP407E10R9V9X16

(RPM006) ( 10 JUL 73 )

REFERENCE DATA

BREF = 67.1900 IN. ZMRP = 13.1489 INCHES  
 LINEP = 7.1200 INCHES ZMRP = .0000 INCHES  
 BREF = 14.0908 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ALLCON = .000 RUDDER = .000  
 SDPLAP = 13.750 SPOBK = 94.920

RUN NO. 26/ 0 RM/L = 2.93 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D     | CPB     | CPBH    | CPCB    | CMET    | CMEO    | CMR     | CMET    |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4.000 | -3.971   | -.09315 | .10956  | -.69016 | -.05770 | -.05545 | -.05573 | .00748  | .00000  | .02292  | .00748  |
| 4.000 | -1.931   | -.05935 | .09942  | -.59696 | -.05769 | -.05808 | -.05372 | .00499  | -.00261 | .02255  | .00219  |
| 4.000 | -.913    | -.04204 | .09333  | -.44097 | -.05445 | -.05545 | -.05373 | .00499  | -.00560 | .02292  | -.00062 |
| 4.000 | .221     | -.02106 | .09273  | -.22708 | -.05445 | -.05545 | -.05373 | .00249  | -.00560 | .02292  | -.00311 |
| 4.000 | 1.223    | -.00750 | .09062  | -.06257 | -.05446 | -.05547 | -.05375 | .00000  | -.00559 | .02249  | -.00559 |
| 4.000 | 2.159    | .01360  | .09059  | .15017  | -.05445 | -.05545 | -.05373 | .00000  | -.00840 | .02252  | -.00840 |
| 4.000 | 4.251    | .05437  | .09222  | .59173  | -.05445 | -.05545 | -.05373 | -.00499 | -.01120 | .02292  | -.01619 |
| 4.000 | 6.263    | .09573  | .09662  | .96876  | -.05770 | -.05545 | -.05373 | -.00997 | -.01661 | .01901  | -.02678 |
| 4.000 | 8.424    | .14704  | .10727  | 1.37072 | -.05770 | -.05545 | -.05373 | -.01745 | -.01961 | .01901  | -.03706 |
| 4.000 | 10.444   | .19762  | .12162  | 1.62216 | -.05770 | -.05545 | -.05900 | -.02244 | -.02321 | .01901  | -.06322 |
| 4.000 | 12.743   | .25970  | .14329  | 1.78790 | -.05770 | -.05545 | -.05900 | -.04966 | -.04202 | .00751  | -.09167 |
| 4.000 | 16.396   | .37760  | .20423  | 1.84986 | -.05770 | -.05545 | -.05900 | -.07229 | -.05322 | .00751  | -.12551 |
| 4.000 | 20.758   | .50396  | .26896  | 1.74404 | -.05770 | -.05545 | -.05373 | -.09971 | -.07003 | .00000  | -.16974 |
| 4.000 | 25.842   | .65497  | .42536  | 1.53981 | -.05770 | -.05545 | -.05900 | -.14209 | -.09604 | .00751  | -.24013 |
| 4.000 | 31.206   | .80736  | .60603  | 1.53224 | -.05770 | -.05545 | -.05373 | -.18447 | -.12045 | .00751  | -.30492 |
| 4.000 | 36.266   | .93722  | .61673  | 1.14753 | -.05770 | -.05545 | -.05900 | -.23163 | -.14566 | .00000  | -.37749 |
| 4.000 | 41.335   | 1.04229 | 1.06057 | .99277  | -.05770 | -.05545 | -.05373 | -.25177 | -.15406 | .00000  | -.40594 |
| 4.000 | 43.634   | 1.07334 | 1.16163 | .92417  | -.05770 | -.05222 | -.05373 | -.00132 | -.00132 | -.00000 | -.00264 |
| 4.000 | GRADIENT | .01615  | -.00216 | .17921  | .00046  | .00015  | -.00000 | -.00133 | -.00132 | -.00000 | -.00264 |



0A44 UNIT 1035 COMP-2A B10C207M3P4A7E1E1M3V5X16

01PM007 ( 10 JUL 73 )

REPRODUCED DATA

WREF = 07.1500 90.1N. YMRP = 13.1489 INCHES  
 WREF = 7.1820 INCHES YMRP = .0000 INCHES  
 WREF = 14.0502 INCHES YMRP = 0.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AIRCRN = .000 RUDDER = .000  
 BOPLAP = .000 SPOBRK = 34.920

RUN NO. 87/0 R/W/L = 2.50 GRADIENT INTERVAL = -3.00/ 5.00

| WMOH  | ALPHA    | CL      | CD      | L/D     | CFR     | CPHM    | CPSC    | CHET    | OMEQ    | CHR     | OMET    |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 2.500 | -4.958   | -14068  | .14428  | -.97481 | -.15119 | -.18432 | -.14809 | .03237  | .00303  | .04082  | .03540  |
| 2.500 | -2.362   | -.07083 | .13435  | -.52716 | -.15482 | -.18435 | -.15169 | .02021  | -.00434 | .04037  | .01966  |
| 2.500 | -1.485   | -.04236 | .13174  | -.32320 | -.15475 | -.18430 | -.15339 | .01493  | -.00758 | .04060  | .00726  |
| 2.500 | -.298    | -.01036 | .12948  | -.06133 | -.15657 | -.18460 | -.15169 | .00908  | -.01060 | .03851  | -.00251 |
| 2.500 | .777     | .01944  | .12834  | .15144  | -.15475 | -.18455 | -.15162 | .00270  | -.01363 | .04060  | -.01094 |
| 2.500 | 1.719    | .04786  | .12637  | .37266  | -.15481 | -.18110 | -.15169 | -.00269 | -.01617 | .03651  | -.02066 |
| 2.500 | 3.931    | .10948  | .13272  | .82492  | -.15477 | -.18281 | -.15164 | -.01493 | -.02423 | .03654  | -.03906 |
| 2.500 | 5.896    | .17292  | .14229  | 1.21328 | -.15638 | -.18810 | -.15322 | -.02894 | -.03027 | .03651  | -.05722 |
| 2.500 | 6.153    | .23934  | .13772  | 1.51779 | -.16183 | -.18982 | -.15872 | -.03908 | -.03786 | .03247  | -.07694 |
| 2.500 | 10.139   | .29755  | .17534  | 1.69661 | -.16339 | -.18607 | -.15972 | -.04996 | -.04240 | .03247  | -.09227 |
| 2.500 | 12.337   | .36445  | .20216  | 1.80280 | -.16381 | -.18635 | -.16032 | -.06062 | -.04993 | .03246  | -.11037 |
| 2.500 | 16.372   | .48873  | .28487  | 1.84517 | -.16712 | -.18283 | -.16227 | -.08334 | -.06206 | .02841  | -.14582 |
| 2.500 | 20.792   | .62034  | .35627  | 1.74121 | -.17063 | -.18607 | -.16403 | -.11032 | -.07724 | .02435  | -.18775 |
| 2.500 | 26.123   | .78404  | .50376  | 1.55631 | -.17410 | -.17327 | -.16926 | -.14839 | -.10004 | .01623  | -.24843 |
| 2.500 | 31.806   | .94091  | .69739  | 1.34919 | -.17582 | -.17873 | -.17100 | -.18901 | -.12136 | .01220  | -.31037 |
| 2.500 | 38.935   | 1.07335 | .92744  | 1.13734 | -.18118 | -.17835 | -.17481 | -.23730 | -.14544 | .00812  | -.38274 |
| 2.500 | 42.239   | 1.17193 | 1.18863 | .98293  | -.18643 | -.18201 | -.17998 | -.28740 | -.15920 | .01625  | -.46660 |
| 2.500 | 44.646   | 1.19386 | 1.30691 | .91312  | -.18648 | -.18381 | -.17993 | -.30732 | -.16812 | .02030  | -.47344 |
| 2.500 | GRADIENT | .02920  | -.00140 | .21268  | -.00033 | .00042  | -.00028 | -.00534 | -.00319 | -.00055 | -.00874 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

Q444 UPM1 1055 COMP-2A BLOC807M3W AJATEL10R3V5116

(RPM807) ( 10 JUL 73 )

REFERENCE DATA

WREF = 07.1800 IN. WREF = 13.1400 INCHES  
 LREF = 7.1800 INCHES LREF = .0000 INCHES  
 WREF = 14.0300 INCHES WREF = 6.0000 INCHES  
 SCALE = .0100 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AILRON = .000 RUDDER = .000  
 SPOFLAP = .000 SPOBRK = 34.920

RUN NO. 28/ 0 RWL = 2.50 GRADIENT INTERVAL = -5.00/ 3.00

| ALPHA | CL     | CD      | L/D    | CFR     | CFR0    | CFR1    | CFR2    | CFR3    | CFR4    | CFR5   | CFR6    | CFR7 | CFR8 | CFR9 | CFR10 | CFR11 | CFR12 | CFR13 | CFR14 | CFR15 | CFR16 | CFR17 | CFR18 | CFR19 | CFR20 | CFR21 | CFR22 | CFR23 | CFR24 | CFR25 | CFR26 | CFR27 | CFR28 | CFR29 | CFR30 | CFR31 | CFR32 | CFR33 | CFR34 | CFR35 | CFR36 | CFR37 | CFR38 | CFR39 | CFR40 | CFR41 | CFR42 | CFR43 | CFR44 | CFR45 | CFR46 | CFR47 | CFR48 | CFR49 | CFR50 | CFR51 | CFR52 | CFR53 | CFR54 | CFR55 | CFR56 | CFR57 | CFR58 | CFR59 | CFR60 | CFR61 | CFR62 | CFR63 | CFR64 | CFR65 | CFR66 | CFR67 | CFR68 | CFR69 | CFR70 | CFR71 | CFR72 | CFR73 | CFR74 | CFR75 | CFR76 | CFR77 | CFR78 | CFR79 | CFR80 | CFR81 | CFR82 | CFR83 | CFR84 | CFR85 | CFR86 | CFR87 | CFR88 | CFR89 | CFR90 | CFR91 | CFR92 | CFR93 | CFR94 | CFR95 | CFR96 | CFR97 | CFR98 | CFR99 | CFR100 | CFR101 | CFR102 | CFR103 | CFR104 | CFR105 | CFR106 | CFR107 | CFR108 | CFR109 | CFR110 | CFR111 | CFR112 | CFR113 | CFR114 | CFR115 | CFR116 | CFR117 | CFR118 | CFR119 | CFR120 | CFR121 | CFR122 | CFR123 | CFR124 | CFR125 | CFR126 | CFR127 | CFR128 | CFR129 | CFR130 | CFR131 | CFR132 | CFR133 | CFR134 | CFR135 | CFR136 | CFR137 | CFR138 | CFR139 | CFR140 | CFR141 | CFR142 | CFR143 | CFR144 | CFR145 | CFR146 | CFR147 | CFR148 | CFR149 | CFR150 | CFR151 | CFR152 | CFR153 | CFR154 | CFR155 | CFR156 | CFR157 | CFR158 | CFR159 | CFR160 | CFR161 | CFR162 | CFR163 | CFR164 | CFR165 | CFR166 | CFR167 | CFR168 | CFR169 | CFR170 | CFR171 | CFR172 | CFR173 | CFR174 | CFR175 | CFR176 | CFR177 | CFR178 | CFR179 | CFR180 | CFR181 | CFR182 | CFR183 | CFR184 | CFR185 | CFR186 | CFR187 | CFR188 | CFR189 | CFR190 | CFR191 | CFR192 | CFR193 | CFR194 | CFR195 | CFR196 | CFR197 | CFR198 | CFR199 | CFR200 | CFR201 | CFR202 | CFR203 | CFR204 | CFR205 | CFR206 | CFR207 | CFR208 | CFR209 | CFR210 | CFR211 | CFR212 | CFR213 | CFR214 | CFR215 | CFR216 | CFR217 | CFR218 | CFR219 | CFR220 | CFR221 | CFR222 | CFR223 | CFR224 | CFR225 | CFR226 | CFR227 | CFR228 | CFR229 | CFR230 | CFR231 | CFR232 | CFR233 | CFR234 | CFR235 | CFR236 | CFR237 | CFR238 | CFR239 | CFR240 | CFR241 | CFR242 | CFR243 | CFR244 | CFR245 | CFR246 | CFR247 | CFR248 | CFR249 | CFR250 | CFR251 | CFR252 | CFR253 | CFR254 | CFR255 | CFR256 | CFR257 | CFR258 | CFR259 | CFR260 | CFR261 | CFR262 | CFR263 | CFR264 | CFR265 | CFR266 | CFR267 | CFR268 | CFR269 | CFR270 | CFR271 | CFR272 | CFR273 | CFR274 | CFR275 | CFR276 | CFR277 | CFR278 | CFR279 | CFR280 | CFR281 | CFR282 | CFR283 | CFR284 | CFR285 | CFR286 | CFR287 | CFR288 | CFR289 | CFR290 | CFR291 | CFR292 | CFR293 | CFR294 | CFR295 | CFR296 | CFR297 | CFR298 | CFR299 | CFR300 | CFR301 | CFR302 | CFR303 | CFR304 | CFR305 | CFR306 | CFR307 | CFR308 | CFR309 | CFR310 | CFR311 | CFR312 | CFR313 | CFR314 | CFR315 | CFR316 | CFR317 | CFR318 | CFR319 | CFR320 | CFR321 | CFR322 | CFR323 | CFR324 | CFR325 | CFR326 | CFR327 | CFR328 | CFR329 | CFR330 | CFR331 | CFR332 | CFR333 | CFR334 | CFR335 | CFR336 | CFR337 | CFR338 | CFR339 | CFR340 | CFR341 | CFR342 | CFR343 | CFR344 | CFR345 | CFR346 | CFR347 | CFR348 | CFR349 | CFR350 | CFR351 | CFR352 | CFR353 | CFR354 | CFR355 | CFR356 | CFR357 | CFR358 | CFR359 | CFR360 | CFR361 | CFR362 | CFR363 | CFR364 | CFR365 | CFR366 | CFR367 | CFR368 | CFR369 | CFR370 | CFR371 | CFR372 | CFR373 | CFR374 | CFR375 | CFR376 | CFR377 | CFR378 | CFR379 | CFR380 | CFR381 | CFR382 | CFR383 | CFR384 | CFR385 | CFR386 | CFR387 | CFR388 | CFR389 | CFR390 | CFR391 | CFR392 | CFR393 | CFR394 | CFR395 | CFR396 | CFR397 | CFR398 | CFR399 | CFR400 | CFR401 | CFR402 | CFR403 | CFR404 | CFR405 | CFR406 | CFR407 | CFR408 | CFR409 | CFR410 | CFR411 | CFR412 | CFR413 | CFR414 | CFR415 | CFR416 | CFR417 | CFR418 | CFR419 | CFR420 | CFR421 | CFR422 | CFR423 | CFR424 | CFR425 | CFR426 | CFR427 | CFR428 | CFR429 | CFR430 | CFR431 | CFR432 | CFR433 | CFR434 | CFR435 | CFR436 | CFR437 | CFR438 | CFR439 | CFR440 | CFR441 | CFR442 | CFR443 | CFR444 | CFR445 | CFR446 | CFR447 | CFR448 | CFR449 | CFR450 | CFR451 | CFR452 | CFR453 | CFR454 | CFR455 | CFR456 | CFR457 | CFR458 | CFR459 | CFR460 | CFR461 | CFR462 | CFR463 | CFR464 | CFR465 | CFR466 | CFR467 | CFR468 | CFR469 | CFR470 | CFR471 | CFR472 | CFR473 | CFR474 | CFR475 | CFR476 | CFR477 | CFR478 | CFR479 | CFR480 | CFR481 | CFR482 | CFR483 | CFR484 | CFR485 | CFR486 | CFR487 | CFR488 | CFR489 | CFR490 | CFR491 | CFR492 | CFR493 | CFR494 | CFR495 | CFR496 | CFR497 | CFR498 | CFR499 | CFR500 | CFR501 | CFR502 | CFR503 | CFR504 | CFR505 | CFR506 | CFR507 | CFR508 | CFR509 | CFR510 | CFR511 | CFR512 | CFR513 | CFR514 | CFR515 | CFR516 | CFR517 | CFR518 | CFR519 | CFR520 | CFR521 | CFR522 | CFR523 | CFR524 | CFR525 | CFR526 | CFR527 | CFR528 | CFR529 | CFR530 | CFR531 | CFR532 | CFR533 | CFR534 | CFR535 | CFR536 | CFR537 | CFR538 | CFR539 | CFR540 | CFR541 | CFR542 | CFR543 | CFR544 | CFR545 | CFR546 | CFR547 | CFR548 | CFR549 | CFR550 | CFR551 | CFR552 | CFR553 | CFR554 | CFR555 | CFR556 | CFR557 | CFR558 | CFR559 | CFR560 | CFR561 | CFR562 | CFR563 | CFR564 | CFR565 | CFR566 | CFR567 | CFR568 | CFR569 | CFR570 | CFR571 | CFR572 | CFR573 | CFR574 | CFR575 | CFR576 | CFR577 | CFR578 | CFR579 | CFR580 | CFR581 | CFR582 | CFR583 | CFR584 | CFR585 | CFR586 | CFR587 | CFR588 | CFR589 | CFR590 | CFR591 | CFR592 | CFR593 | CFR594 | CFR595 | CFR596 | CFR597 | CFR598 | CFR599 | CFR600 | CFR601 | CFR602 | CFR603 | CFR604 | CFR605 | CFR606 | CFR607 | CFR608 | CFR609 | CFR610 | CFR611 | CFR612 | CFR613 | CFR614 | CFR615 | CFR616 | CFR617 | CFR618 | CFR619 | CFR620 | CFR621 | CFR622 | CFR623 | CFR624 | CFR625 | CFR626 | CFR627 | CFR628 | CFR629 | CFR630 | CFR631 | CFR632 | CFR633 | CFR634 | CFR635 | CFR636 | CFR637 | CFR638 | CFR639 | CFR640 | CFR641 | CFR642 | CFR643 | CFR644 | CFR645 | CFR646 | CFR647 | CFR648 | CFR649 | CFR650 | CFR651 | CFR652 | CFR653 | CFR654 | CFR655 | CFR656 | CFR657 | CFR658 | CFR659 | CFR660 | CFR661 | CFR662 | CFR663 | CFR664 | CFR665 | CFR666 | CFR667 | CFR668 | CFR669 | CFR670 | CFR671 | CFR672 | CFR673 | CFR674 | CFR675 | CFR676 | CFR677 | CFR678 | CFR679 | CFR680 | CFR681 | CFR682 | CFR683 | CFR684 | CFR685 | CFR686 | CFR687 | CFR688 | CFR689 | CFR690 | CFR691 | CFR692 | CFR693 | CFR694 | CFR695 | CFR696 | CFR697 | CFR698 | CFR699 | CFR700 | CFR701 | CFR702 | CFR703 | CFR704 | CFR705 | CFR706 | CFR707 | CFR708 | CFR709 | CFR710 | CFR711 | CFR712 | CFR713 | CFR714 | CFR715 | CFR716 | CFR717 | CFR718 | CFR719 | CFR720 | CFR721 | CFR722 | CFR723 | CFR724 | CFR725 | CFR726 | CFR727 | CFR728 | CFR729 | CFR730 | CFR731 | CFR732 | CFR733 | CFR734 | CFR735 | CFR736 | CFR737 | CFR738 | CFR739 | CFR740 | CFR741 | CFR742 | CFR743 | CFR744 | CFR745 | CFR746 | CFR747 | CFR748 | CFR749 | CFR750 | CFR751 | CFR752 | CFR753 | CFR754 | CFR755 | CFR756 | CFR757 | CFR758 | CFR759 | CFR760 | CFR761 | CFR762 | CFR763 | CFR764 | CFR765 | CFR766 | CFR767 | CFR768 | CFR769 | CFR770 | CFR771 | CFR772 | CFR773 | CFR774 | CFR775 | CFR776 | CFR777 | CFR778 | CFR779 | CFR780 | CFR781 | CFR782 | CFR783 | CFR784 | CFR785 | CFR786 | CFR787 | CFR788 | CFR789 | CFR790 | CFR791 | CFR792 | CFR793 | CFR794 | CFR795 | CFR796 | CFR797 | CFR798 | CFR799 | CFR800 | CFR801 | CFR802 | CFR803 | CFR804 | CFR805 | CFR806 | CFR807 | CFR808 | CFR809 | CFR810 | CFR811 | CFR812 | CFR813 | CFR814 | CFR815 | CFR816 | CFR817 | CFR818 | CFR819 | CFR820 | CFR821 | CFR822 | CFR823 | CFR824 | CFR825 | CFR826 | CFR827 | CFR828 | CFR829 | CFR830 | CFR831 | CFR832 | CFR833 | CFR834 | CFR835 | CFR836 | CFR837 | CFR838 | CFR839 | CFR840 | CFR841 | CFR842 | CFR843 | CFR844 | CFR845 | CFR846 | CFR847 | CFR848 | CFR849 | CFR850 | CFR851 | CFR852 | CFR853 | CFR854 | CFR855 | CFR856 | CFR857 | CFR858 | CFR859 | CFR860 | CFR861 | CFR862 | CFR863 | CFR864 | CFR865 | CFR866 | CFR867 | CFR868 | CFR869 | CFR870 | CFR871 | CFR872 | CFR873 | CFR874 | CFR875 | CFR876 | CFR877 | CFR878 | CFR879 | CFR880 | CFR881 | CFR882 | CFR883 | CFR884 | CFR885 | CFR886 | CFR887 | CFR888 | CFR889 | CFR890 | CFR891 | CFR892 | CFR893 | CFR894 | CFR895 | CFR896 | CFR897 | CFR898 | CFR899 | CFR900 | CFR901 | CFR902 | CFR903 | CFR904 | CFR905 | CFR906 | CFR907 | CFR908 | CFR909 | CFR910 | CFR911 | CFR912 | CFR913 | CFR914 | CFR915 | CFR916 | CFR917 | CFR918 | CFR919 | CFR920 | CFR921 | CFR922 | CFR923 | CFR924 | CFR925 | CFR926 | CFR927 | CFR928 | CFR929 | CFR930 | CFR931 | CFR932 | CFR933 | CFR934 | CFR935 | CFR936 | CFR937 | CFR938 | CFR939 | CFR940 | CFR941 | CFR942 | CFR943 | CFR944 | CFR945 | CFR946 | CFR947 | CFR948 | CFR949 | CFR950 | CFR951 | CFR952 | CFR953 | CFR954 | CFR955 | CFR956 | CFR957 | CFR958 | CFR959 | CFR960 | CFR961 | CFR962 | CFR963 | CFR964 | CFR965 | CFR966 | CFR967 | CFR968 | CFR969 | CFR970 | CFR971 | CFR972 | CFR973 | CFR974 | CFR975 | CFR976 | CFR977 | CFR978 | CFR979 | CFR980 | CFR981 | CFR982 | CFR983 | CFR984 | CFR985 | CFR986 | CFR987 | CFR988 | CFR989 | CFR990 | CFR991 | CFR992 | CFR993 | CFR994 | CFR995 | CFR996 | CFR997 | CFR998 | CFR999 | CFR1000 |
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| 3.900 | -4.307 | -1.0843 | .11379 | -9.3291 | -.07379 | -.07960 | -.07219 | .00345  | .00219  | .02350 | .00904  |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        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| 3.900 | -8.075 | -.06337 | .10286 | -.63354 | -.07360 | -.07960 | -.07216 | .00193  | .00000  | .02349 | .00193  |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        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| 3.900 | -1.199 | -.04831 | .09996 | -.49330 | -.07379 | -.07960 | -.07216 | .00000  | -.00219 | .02349 | -.00219 |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        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| 3.900 | -.157  | -.02760 | .08743 | -.28326 | -.07360 | -.07727 | -.07216 | -.00193 | -.00436 | .02349 | -.00633 |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        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| 3.900 | .634   | -.00659 | .09993 | -.06953 | -.07376 | -.07726 | -.07214 | -.00390 | -.00436 | .02351 | -.00329 |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        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| 3.900 | 1.792  | .00759  | .09514 | .07960  | -.07726 | -.07726 | -.07215 | -.00393 | -.00656 | .01    |         |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        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       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   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       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   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DATA UNIT 1033 COMP-2A B10C907M37A07E10R3V316

(RPM007) ( 10 JUL 73 )

REFERENCE DATA

BRZF = 07.1400 INCHES    YMRP = 13.1400 INCHES  
 LREF = 7.1820 INCHES    YMRP = .0000 INCHES  
 BRZF = 14.0302 INCHES    ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

BETA = .000    ELEVTR = .000  
 AIRLON = .000    RUDDER = .000  
 BOP/LAP = .000    SPOBRK = 34.920

PARAMETRIC DATA

RUN NO. 00/ 0 RW/L = 8.50 GRADIENT INTERVAL = -3.00/ 3.00

| MACH  | ALPHA    | CL       | CD      | L/D     | CMR     | CMC     | CPMC    | CMET     | CMEO     | CMR     | CMET     |
|-------|----------|----------|---------|---------|---------|---------|---------|----------|----------|---------|----------|
| 4.000 | -3.916   | -1.0032  | -1.0904 | -9.8204 | -0.5482 | -0.5394 | -0.4931 | .00249   | .00000   | .02231  | .00249   |
| 4.000 | -1.091   | -0.59029 | .08774  | -6.0602 | -0.5153 | -0.5206 | -0.5276 | .00000   | -0.02900 | .02234  | -0.02900 |
| 4.000 | -.645    | -0.4536  | .08398  | -4.8313 | -0.5153 | -0.5206 | -0.5276 | -0.0249  | -0.02900 | .01903  | -0.03390 |
| 4.000 | .217     | -0.02824 | .08103  | -3.1010 | -0.5157 | -0.5394 | -0.5276 | -0.0249  | -0.03500 | .02231  | -0.06009 |
| 4.000 | 1.240    | -0.0725  | .06930  | -0.6114 | -0.5153 | -0.5206 | -0.5276 | -0.0499  | -0.03461 | .01903  | -0.01060 |
| 4.000 | 2.221    | .01016   | .06834  | .11303  | -0.5482 | -0.5394 | -0.5276 | -0.0499  | -0.06640 | .01900  | -0.01334 |
| 4.000 | 4.374    | .03120   | .05000  | .36990  | -0.5481 | -0.5206 | -0.4949 | -0.07996 | -0.11121 | .01903  | -0.02119 |
| 4.000 | 8.201    | .08603   | .09432  | .94413  | -0.5481 | -0.5206 | -0.4949 | -0.07996 | -0.16082 | .01903  | -0.02800 |
| 4.000 | 8.499    | .14030   | .10419  | 1.34834 | -0.5481 | -0.5206 | -0.5276 | -0.1746  | -0.19162 | .01903  | -0.03709 |
| 4.000 | 10.389   | .19134   | .11794  | 1.62367 | -0.5482 | -0.5271 | -0.5276 | -0.02491 | -0.02319 | .01900  | -0.09010 |
| 4.000 | 12.632   | .24399   | .13034  | 1.77939 | -0.5482 | -0.5394 | -0.5276 | -0.03236 | -0.03079 | .00790  | -0.06317 |
| 4.000 | 16.004   | .34963   | .19384  | 1.86903 | -0.5907 | -0.5392 | -0.5276 | -0.04999 | -0.04203 | .00791  | -0.09194 |
| 4.000 | 20.091   | .48366   | .27341  | 1.76962 | -0.5907 | -0.5392 | -0.5603 | -0.06963 | -0.05326 | .00791  | -0.12311 |
| 4.000 | 25.908   | .64023   | .40008  | 1.58367 | -0.5481 | -0.5206 | -0.5603 | -0.10478 | -0.07008 | .00000  | -0.17466 |
| 4.000 | 31.201   | .78637   | .56033  | 1.33493 | -0.5907 | -0.5392 | -0.5603 | -0.14469 | -0.08231 | .00791  | -0.23760 |
| 4.000 | 34.316   | .91403   | .79370  | 1.16632 | -0.5907 | -0.5206 | -0.5603 | -0.18710 | -0.11493 | .00791  | -0.30803 |
| 4.000 | 41.466   | 1.08057  | 1.01712 | 1.00339 | -0.5481 | -0.5206 | -0.5276 | -0.23201 | -0.14016 | .00000  | -0.37817 |
| 4.000 | 43.754   | 1.03399  | 1.12214 | .93974  | -0.5481 | -0.5206 | -0.4949 | -0.25446 | -0.19136 | .00000  | -0.40393 |
| 4.000 | GRADIENT | .01819   | -.00230 | .16120  | -.05019 | .00016  | .00000  | -.00143  | -.00137  | -.00103 | -.00841  |



0444 UNR 1883 CONF-2A 810C287M0P-047E10E04V0110

(RPM000) ( 10 JUL 73 )

REFERENCE DATA

BRP = 07.1400 90.1in, WHP = 13.1400 INCHES  
 LRP = 7.1200 INCHES, YHP = .0000 INCHES  
 BRP = 16.0000 INCHES, ZHP = 0.0000 INCHES  
 SCALE = .0100 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -20.000  
 AIRION = .000 RUDDER = .000  
 DOPPLA = -14.250 SPOSRK = 34.920

RUN NO. 20, 0 RWL = 8.00 GRADIENT INTERVAL = -0.00, 9.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPS     | CPHM    | CPSC    | CMET    | CMO     | CMR    | CMET    |
|-------|----------|---------|---------|----------|---------|---------|---------|---------|---------|--------|---------|
| 2.800 | -4.048   | -1.0007 | .18084  | -1.22042 | -1.4290 | -1.5232 | .14107  | .19070  | .04616  | .03243 | .21734  |
| 2.800 | -2.490   | -1.0756 | .14364  | -.87331  | -1.4587 | -1.5221 | -.14271 | .12873  | .03454  | .03248 | .16127  |
| 2.800 | -1.371   | -.09355 | .14074  | -.87892  | -1.4591 | -1.5223 | -.14276 | .11723  | .04994  | .03248 | .16417  |
| 2.800 | -.365    | -.06348 | .13707  | -.47770  | -1.4768 | -1.5032 | -.14434 | .10912  | .03936  | .03248 | .14848  |
| 2.800 | .763     | -.03158 | .13398  | -.23370  | -1.4765 | -1.5223 | -.14430 | .09639  | .03332  | .03247 | .13171  |
| 2.800 | 1.602    | -.00158 | .13233  | -.01193  | -1.4767 | -1.5223 | -.14433 | .08758  | .02977  | .03248 | .11633  |
| 2.800 | 3.796    | .03664  | .13296  | .44118   | -1.4763 | -1.5048 | -.14448 | .04741  | .02272  | .03248 | .09013  |
| 2.800 | 5.913    | .12214  | .13810  | .87811   | -1.5116 | -1.5397 | -.14826 | .04833  | .01844  | .02842 | .05319  |
| 2.800 | 8.108    | .18921  | .15129  | 1.23066  | -1.5290 | -1.5920 | -.15134 | .03371  | .01041  | .02843 | .04432  |
| 2.800 | 10.130   | .24737  | .16693  | 1.48307  | -1.5471 | -1.6224 | -.15334 | .02291  | .00454  | .02433 | .02743  |
| 2.800 | 12.536   | .31304  | .18039  | 1.63299  | -1.5628 | -1.6929 | -.15516 | .00133  | .00131  | .02433 | .01383  |
| 2.800 | 16.201   | .43343  | .24727  | 1.73286  | -1.6324 | -1.8098 | -.16216 | -.00133 | -.00737 | .02436 | -.00692 |
| 2.800 | 20.742   | .56319  | .33114  | 1.70074  | -1.6881 | -1.9600 | -.16374 | -.01732 | -.01863 | .02029 | -.03417 |
| 2.800 | 26.226   | .71841  | .46671  | 1.53931  | -1.6884 | -1.9403 | -.16401 | -.01217 | -.02724 | .01217 | -.08359 |
| 2.800 | 31.393   | .86313  | .63431  | 1.34077  | -1.7233 | -1.7501 | -.16929 | -.03837 | -.03784 | .00000 | -.09441 |
| 2.800 | 36.934   | .99232  | .85076  | 1.1.463  | -1.7230 | -1.7322 | -.16923 | -.09493 | -.03190 | .00000 | -.13643 |
| 2.800 | 42.173   | 1.08973 | 1.08900 | 1.00089  | -1.7223 | -1.7313 | -.16918 | -.11607 | -.03763 | .02845 | -.17370 |
| 2.800 | 44.580   | 1.11498 | 1.19990 | .92923   | -1.7404 | -1.7144 | -.16822 | -.12613 | -.06062 | .01219 | -.16873 |
| 2.800 | GRADIENT | .03004  | -.00327 | .19811   | -.00027 | .00016  | -.00043 | -.00969 | -.00342 | .00000 | -.01312 |



DATA UNIT 1033 CONF-SA 818C907H0P407E10R3V3114

(SPR008) ( 10 JUL 73 )

REFERENCE DATA

WREP = 07.1500 INCHES WREP = 13.1488 INCHES  
 LREP = 7.1220 INCHES LREP = .0000 INCHES  
 WREP = 14.0502 INCHES WREP = 6.0000 INCHES  
 SCALE = .0190 SCALE

BETA = .000 ELEVTR = -80.000  
 AILTRON = .000 RUDDER = .000  
 BDFLAP = -14.250 SPOONK = 34.920

PARAMETRIC DATA

RUN NO. 31/ 0 RW/L = 8.90 GRADIENT INTERVAL = -5.00/ 3.00

| WREP  | ALPHA  | CL      | CD      | L/D      | CPB     | CPWH    | CPXC    | OMEI    | O4EO    | OMI     | O4EY    |
|-------|--------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|
| 3.000 | -4.407 | -13437  | .12291  | -1.10933 | -.07113 | -.07480 | -.07203 | .04832  | .03726  | .02937  | .10336  |
| 3.000 | -2.244 | -.09360 | .10940  | -.63742  | -.07112 | -.07499 | -.07204 | .04664  | .03070  | .02933  | .07733  |
| 3.000 | -1.299 | -.07484 | .10499  | -.71360  | -.07114 | -.07461 | -.07204 | .04094  | .02629  | .02348  | .04723  |
| 3.000 | -.223  | -.03340 | .10133  | -.32381  | -.07113 | -.07480 | -.07203 | .03707  | .02192  | .02330  | .03699  |
| 3.000 | .075   | -.03164 | .09910  | -.31929  | -.07114 | -.07461 | -.06930 | .03120  | .01972  | .02348  | .03093  |
| 3.000 | 1.704  | -.01247 | .09793  | -.12747  | -.07114 | -.07461 | -.07206 | .02925  | .01733  | .02349  | .04876  |
| 3.000 | 3.040  | .03040  | .09769  | .31116   | -.07113 | -.07480 | -.06948 | .01931  | .01096  | .02330  | .03047  |
| 3.000 | 3.966  | .07633  | .10166  | .79074   | -.07368 | -.07461 | -.06930 | .00975  | .00977  | .02349  | .01832  |
| 3.000 | 6.046  | .12571  | .10979  | 1.13591  | -.07369 | -.07714 | -.07206 | .00790  | .00436  | .01762  | .01216  |
| 3.000 | 10.131 | .17508  | .12367  | 1.41346  | -.07368 | -.07461 | -.07461 | .00390  | .00219  | .01762  | .00609  |
| 3.000 | 12.486 | .23442  | .14490  | 1.82230  | -.07623 | -.07714 | -.07461 | .00000  | .00000  | .01762  | .00000  |
| 3.000 | 16.309 | .34389  | .19510  | 1.79930  | -.07977 | -.07713 | -.07716 | -.00761 | -.00456 | .01763  | -.01436 |
| 3.000 | 20.430 | .49603  | .25664  | 1.71764  | -.07976 | -.07714 | -.07462 | -.00761 | -.01093 | .01174  | -.02633 |
| 3.000 | 25.695 | .60440  | .39131  | 1.50967  | -.07979 | -.07461 | -.07462 | -.03901 | -.01733 | .00967  | -.04267 |
| 3.000 | 30.972 | .75430  | .53509  | 1.39967  | -.07976 | -.07714 | -.07461 | -.03901 | -.02949 | .01173  | -.06730 |
| 3.000 | 36.227 | .94124  | .73130  | 1.17300  | -.07979 | -.07461 | -.07461 | -.06246 | -.03943 | .01173  | -.09991 |
| 3.000 | 41.423 | .96072  | .97649  | 1.01045  | -.07623 | -.07461 | -.07206 | -.06343 | -.03000 | .00367  | -.13423 |
| 3.000 | 43.731 | 1.02340 | 1.08164 | .94613   | -.07368 | -.06934 | -.04694 | -.09732 | -.03479 | .00367  | -.13231 |
| 3.000 |        | .01999  | -.00296 | .17732   | -.00000 | -.00000 | .00030  | -.00532 | -.00316 | -.00000 | -.00648 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

Q444 UPM1 1055 COMP-2A 810C307MSP4407E10R8V3X16

(RPM006) ( 10 JUL 73 )

REFERENCE DATA

MREF = 87.1100 90.1N. XMRP = 13.1488 INCHES  
 YMRP = 7.1223 INCHES YMRP = .0000 INCHES  
 MREF = 14.0302 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -80.000  
 ATURON = .000 RUDDER = .000  
 SDPLAP = -14.230 SPDGRK = 34.920

RUN NO. 32/ 0 RIVL = 2.90 GRADIENT INTERVAL = -3.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPB     | CPBM    | CPSC    | CHEI    | CHEO    | QCR     | CHET    |
|-------|----------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|
| 4.800 | -3.978   | -12331  | .11621  | -1.07830 | -.03143 | -.05234 | -.05285 | .04732  | .03079  | .03000  | .07811  |
| 4.800 | -1.869   | -.06456 | .10269  | -.82388  | -.03143 | -.05234 | -.04939 | .03467  | .02519  | .02230  | .06006  |
| 4.800 | -.821    | -.08376 | .09762  | -.63317  | -.03143 | -.05378 | -.05285 | .02989  | .01959  | .02230  | .04948  |
| 4.800 | .210     | -.04680 | .09381  | -.49877  | -.03143 | -.05378 | -.04939 | .02491  | .01399  | .02230  | .03890  |
| 4.800 | 1.231    | -.02933 | .09113  | -.32183  | -.03143 | -.05378 | -.04939 | .01993  | .01399  | .02230  | .03392  |
| 4.800 | 2.287    | -.00834 | .08990  | -.09281  | -.03143 | -.05378 | -.04939 | .01743  | .01119  | .02230  | .02463  |
| 4.800 | 4.203    | .02947  | .09019  | .32678   | -.03141 | -.05232 | -.04936 | .01497  | .00841  | .02234  | .02337  |
| 4.800 | 6.333    | .07409  | .09366  | .79109   | -.03143 | -.05234 | -.05265 | .00996  | .00290  | .02230  | .01276  |
| 4.800 | 8.507    | .12209  | .10167  | 1.20079  | -.03143 | -.05234 | -.05265 | .00747  | .00000  | .01500  | .00747  |
| 4.800 | 10.472   | .16982  | .11387  | 1.43627  | -.03468 | -.05234 | -.05265 | .00498  | .00000  | .01500  | .00498  |
| 4.800 | 12.639   | .22180  | .13303  | 1.66710  | -.03468 | -.05234 | -.05265 | .00249  | -.00560 | .01500  | -.00311 |
| 4.800 | 16.551   | .33091  | .18444  | 1.79419  | -.03468 | -.05378 | -.05392 | -.00249 | -.00840 | .00751  | -.01049 |
| 4.800 | 20.782   | .44660  | .25873  | 1.72689  | -.03467 | -.05378 | -.05392 | -.00242 | -.01401 | .00750  | -.04201 |
| 4.800 | 25.944   | .56932  | .36111  | 1.54371  | -.03468 | -.05378 | -.05392 | -.02242 | -.01939 | .00750  | -.06255 |
| 4.800 | 31.124   | .72435  | .53559  | 1.33245  | -.03794 | -.05578 | -.03265 | -.03736 | -.02519 | .01500  | -.09118 |
| 4.800 | 36.247   | .84548  | .72306  | 1.16932  | -.03468 | -.05234 | -.03592 | -.03479 | -.03639 | .00750  | -.12479 |
| 4.800 | 41.378   | .94415  | .93299  | 1.01196  | -.03468 | -.05234 | -.03265 | -.07721 | -.04739 | .00750  | -.14033 |
| 4.800 | 43.537   | .97575  | 1.02449 | .93243   | -.03468 | -.05234 | -.04939 | -.08717 | -.03318 | .00750  | -.14033 |
| 4.800 | GRADIENT | .01870  | -.00318 | .17170   | .00000  | -.00016 | .00038  | -.00406 | -.00287 | -.00770 | -.00693 |



QA44 UPWT 1035 CONF-2A B10C307M3FA07E10R3V3X10

(RPIN00) ( 10 JUL 73 )

REFERENCE DATA

BREF = 87.160 34.1N. XMRP = 13.1463 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0130 SCALE

BETA = .000 ELEVTR = .000  
 AIRCON = 5.000 RUOOR = .000  
 SDPLAP = -14.250 SPOBRK = 54.920

PARAMETRIC DATA

RUN NO. 33/ 0 RML = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | ALPHA  | CL      | CD      | L/D      | CPB     | CPBM    | CPSC    | CHET    | CHEO    | CHR     | CHET    |
|----------|--------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|
| 2.900    | -4.623 | -.14994 | .14592  | -1.02758 | -.15182 | -.16508 | -.15090 | .05840  | .02120  | .03247  | -.07781 |
| 2.900    | -2.474 | -.08427 | .13631  | -.61728  | -.15221 | -.16669 | -.15567 | .04321  | .01365  | .03253  | .05668  |
| 2.900    | -1.415 | -.05217 | .13308  | -.39196  | -.15699 | -.16648 | -.15568 | .03760  | .00910  | .03252  | -.04690 |
| 2.900    | -.337  | -.01909 | .13111  | -.13794  | -.15709 | -.16679 | -.15755 | .02966  | .00606  | .03248  | .03972  |
| 2.900    | .716   | .01217  | .12964  | .09374   | -.15705 | -.16675 | -.15751 | .02293  | .00132  | .03230  | -.02443 |
| 2.900    | 1.703  | .04044  | .13007  | .31093   | -.15710 | -.16503 | -.15737 | .01617  | -.00303 | .03247  | .01314  |
| 2.900    | 3.615  | .10415  | .13401  | .77722   | -.15985 | -.16504 | -.15931 | .00339  | -.00909 | .02642  | -.00370 |
| 2.900    | 5.918  | .16743  | .14337  | 1.16637  | -.16068 | -.17208 | -.16114 | -.00808 | -.01362 | .02640  | -.02171 |
| 2.900    | 8.154  | .23436  | .15688  | 1.47308  | -.16406 | -.17590 | -.16634 | -.02024 | -.02122 | .02436  | -.04146 |
| 2.900    | 10.194 | .29223  | .17714  | 1.64968  | -.16784 | -.17577 | -.16814 | -.03102 | -.02376 | .02437  | -.05878 |
| 2.900    | 12.543 | .35729  | .20321  | 1.73624  | -.17120 | -.17206 | -.17171 | -.04043 | -.03180 | .02435  | -.07223 |
| 2.900    | 16.562 | .48237  | .26492  | 1.82084  | -.17116 | -.17202 | -.16991 | -.06204 | -.04243 | .02031  | -.10447 |
| 2.900    | 20.602 | .61231  | .35348  | 1.73283  | -.16990 | -.16904 | -.16482 | -.06493 | -.03433 | .01624  | -.13946 |
| 2.900    | 26.143 | .77350  | .48849  | 1.55189  | -.16937 | -.16849 | -.16457 | -.11604 | -.07278 | .00613  | -.18962 |
| 2.900    | 31.521 | .92367  | .66570  | 1.39023  | -.17116 | -.17379 | -.17169 | -.19234 | -.09089 | .00000  | -.24323 |
| 2.900    | 36.932 | 1.05361 | .91169  | 1.15589  | -.17999 | -.17554 | -.17077 | -.19413 | -.11210 | -.00406 | -.30424 |
| 2.900    | 42.344 | 1.15312 | 1.17323 | .98268   | -.18703 | -.17728 | -.18407 | -.24270 | -.12424 | .01216  | -.36694 |
| 2.900    | 44.594 | 1.17832 | 1.28585 | .91637   | -.18706 | -.18082 | -.18410 | -.26270 | -.13019 | .01623  | -.39269 |
| GRADIENT |        | .03007  | -.00145 | .21607   | -.00073 | .00011  | -.00093 | -.00619 | -.00366 | -.00037 | -.00963 |

0A44 UPWT 1035 COMP-2A B10C8D7H3F4A07E10R3V5X16

(RPH009) ( 10 JUL 73 )

REFERENCE DATA

MREF = 07.1500 90.1N. XMRP = 13.1489 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0902 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AIRLON = 5.000 RUDDER = .000  
 BDPLAP = -14.250 SPDRBK = 54.920

RUN NO. 34/ 0 RM/L = 2.50 GRADIENT INTERVAL = -.500/ 5.00

| MACH  | ALPHA    | CL      | CD       | L/D      | CPB      | CPBM    | CPSX    | CHEI     | CHEO     | CMR      | CHET     |
|-------|----------|---------|----------|----------|----------|---------|---------|----------|----------|----------|----------|
| 3.900 | -4.356   | -11097  | .11552   | -1.96080 | -0.7462  | -0.0051 | -0.7817 | .01560   | .00876   | .02939   | .02436   |
| 3.900 | -2.231   | -07088  | .10485   | -0.87599 | -0.7462  | -0.0050 | -0.7581 | .00975   | .00438   | .02936   | .01413   |
| 3.900 | -1.237   | -03196  | .10146   | -0.51214 | -0.7206  | -0.0051 | -0.7817 | .00780   | .00219   | .02935   | .00999   |
| 3.900 | -1.193   | -03322  | .09900   | -0.33533 | -0.7205  | -0.0049 | -0.7599 | .00585   | .00219   | .02936   | .00805   |
| 3.900 | .865     | -01428  | .09704   | -1.1715  | -0.7462  | -0.0050 | -0.7581 | .00390   | -0.00219 | .02936   | .00171   |
| 3.900 | 1.817    | .00779  | .09668   | .08063   | -0.7462  | -0.0050 | -0.7581 | .00195   | -0.00219 | .02349   | -0.00024 |
| 3.900 | 3.869    | .04793  | .09795   | .48931   | -0.7462  | -0.0050 | -0.7581 | -0.00195 | -0.00876 | .02349   | -0.10171 |
| 3.900 | 5.987    | .09364  | .10345   | .90518   | -0.7462  | -0.0050 | -0.7816 | -0.00585 | -0.01096 | .01762   | -0.16600 |
| 3.900 | 8.094    | .14779  | .11364   | 1.30090  | -0.7461  | -0.0049 | -0.8071 | -0.01171 | -0.01535 | .01763   | -0.27035 |
| 3.900 | 10.102   | .19806  | .12833   | 1.54334  | -0.7716  | -0.0050 | -0.8071 | -0.01756 | -0.01973 | .01762   | -0.3728  |
| 3.900 | 12.388   | .25980  | .15078   | 1.72301  | -0.7717  | -0.0051 | -0.8073 | -0.02334 | -0.02409 | .01174   | -0.4942  |
| 3.900 | 16.399   | .37270  | .20541   | 1.81445  | -0.7972  | -0.0050 | -0.8073 | -0.03697 | -0.03065 | .01174   | -0.6962  |
| 3.900 | 20.496   | .49756  | .28488   | 1.74656  | -0.7717  | -0.0050 | -0.8072 | -0.04164 | -0.04164 | .01175   | -0.9624  |
| 3.900 | 25.682   | .65132  | .41763   | 1.59556  | -0.7716  | -0.0050 | -0.8072 | -0.04167 | -0.05695 | .00587   | -1.3882  |
| 3.900 | 30.993   | .80230  | .59174   | 1.33582  | -0.7972  | -0.0051 | -0.8072 | -0.05001 | -0.07447 | .01174   | -1.8947  |
| 3.900 | 36.221   | .93602  | .80265   | 1.16511  | -0.7972  | -0.0050 | -0.8072 | -0.05001 | -0.09420 | .00587   | -2.4822  |
| 3.900 | 41.516   | 1.04801 | 1.04916  | .99690   | -0.7972  | -0.0051 | -0.8072 | -0.05001 | -0.11391 | .00587   | -3.1275  |
| 3.900 | 43.695   | 1.08061 | 1.15442  | .93606   | -0.7972  | -0.0051 | -0.8072 | -0.05001 | -0.12661 | .00587   | -3.3909  |
| 3.900 | GRADIENT | .01923  | -0.00212 | .17766   | -0.00006 | .00000  | .00030  | -0.00209 | -0.00203 | -0.00081 | -0.00411 |



0A44 UNIT 1035 COMP-SA B10C507M3F407E10R0V5X16

(RPM508) ( 10 JUL 73 )

REFERENCE DATA

BREF = 07.1900 SQ.IN. XMRP = 13.1488 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0902 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

BETA = .000 ELEVTR = .000  
 ATLRON = 9.000 RUDDER = .000  
 BOFLAP = -14.250 SPODRK = 84.980

PARAMETRIC DATA

RUN NO. 35/ 0 RM/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D     | CP8     | CP8H    | CP8C    | CHET    | CHEO    | CHR     | CHET    |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4.000 | -3.938   | -.10344 | .11114  | -.93078 | -.02863 | -.05665 | -.05719 | .01244  | .00359  | .02248  | .01804  |
| 4.000 | -1.842   | -.06626 | .09817  | -.68835 | -.02661 | -.06007 | -.05718 | .00748  | .00380  | .02252  | .01306  |
| 4.000 | -.841    | -.04800 | .09343  | -.31343 | -.02663 | -.06008 | -.05719 | .00447  | .00280  | .02248  | .01028  |
| 4.000 | .199     | -.02805 | .09245  | -.30348 | -.02661 | -.05683 | -.05716 | .00498  | .00280  | .02252  | .00778  |
| 4.000 | 1.227    | -.01454 | .08998  | -.16139 | -.02661 | -.05683 | -.05716 | .00498  | .00000  | .02252  | .00498  |
| 4.000 | 2.172    | .00870  | .09379  | .07458  | -.02663 | -.05665 | -.05719 | .00249  | .00000  | .02248  | .00249  |
| 4.000 | 4.230    | .04410  | .09082  | .48682  | -.02663 | -.05665 | -.05719 | .00000  | -.00359 | .01499  | -.00359 |
| 4.000 | 6.292    | .08528  | .08323  | .89358  | -.02661 | -.05683 | -.05716 | -.00498 | -.00840 | .01301  | -.01339 |
| 4.000 | 8.436    | .13696  | .10457  | 1.30987 | -.03586 | -.06007 | -.05718 | -.00997 | -.01400 | .01301  | -.02397 |
| 4.000 | 10.404   | .18767  | .11874  | 1.58048 | -.03586 | -.06008 | -.06048 | -.01483 | -.01876 | .01499  | -.03171 |
| 4.000 | 12.711   | .24863  | .14024  | 1.75881 | -.03586 | -.06331 | -.06048 | -.01991 | -.02796 | .00749  | -.04228 |
| 4.000 | 16.833   | .36174  | .19662  | 1.83984 | -.03586 | -.06331 | -.06048 | -.03484 | -.02796 | .00749  | -.06280 |
| 4.000 | 20.736   | .48315  | .27343  | 1.73417 | -.03586 | -.06008 | -.06048 | -.04977 | -.03915 | .00749  | -.06892 |
| 4.000 | 23.940   | .63240  | .40793  | 1.53027 | -.03586 | -.06008 | -.06048 | -.07486 | -.04754 | .00000  | -.12220 |
| 4.000 | 31.079   | .77779  | .57459  | 1.33385 | -.03586 | -.05683 | -.06048 | -.10701 | -.08711 | .00749  | -.17412 |
| 4.000 | 36.324   | .90828  | .78214  | 1.16127 | -.03912 | -.05683 | -.06048 | -.14435 | -.08682 | .00751  | -.23136 |
| 4.000 | 41.332   | 1.01193 | 1.01300 | .99895  | -.03912 | -.05683 | -.05718 | -.18682 | -.10922 | .00000  | -.29614 |
| 4.000 | 43.635   | 1.04171 | 1.10828 | .93994  | -.03913 | -.05683 | -.05719 | -.20407 | -.11745 | .00000  | -.32131 |
| 4.000 | GRADIENT | .01798  | -.00249 | .17499  | -.00000 | .00022  | -.00000 | -.00145 | -.00137 | -.00070 | -.00292 |



0444 UPMT 1035 COMF-2A 810C507087A407E10R3V9X16

(RPM810) ( 10 JUL 73 )

REFERENCE DATA

REF = 87.180 84.1M. YMRP = 13.1488 INCHES  
 LREF = 7.1250 INCHES YMRP = .0000 INCHES  
 REF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

BETA = .000 ELEVTR = -10.000  
 AIRLON = 5.000 RUDDER = .000  
 BDFLAP = -14.250 SPOBRK = 34.920

PARAMETRIC DATA

RUN NO. 37/ 0 RIN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CF8     | CP8H    | CPC8    | CH1     | CH2     | CH3     | CH4     | CH5 | CH6 | CH7 | CH8 |
|-------|----------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|-----|-----|-----|-----|
| 3.900 | -4.427   | -.18203 | .11728  | -1.04052 | -.07218 | -.07611 | -.07316 | .04873  | .02409  | .02348  | .07262  |     |     |     |     |
| 3.900 | -2.197   | -.07933 | .10519  | -.75409  | -.07218 | -.07610 | -.07315 | .03510  | .01753  | .02349  | .03262  |     |     |     |     |
| 3.900 | -1.263   | -.06030 | .10173  | -.59280  | -.07219 | -.07610 | -.07315 | .02924  | .01533  | .02346  | .04457  |     |     |     |     |
| 3.900 | -.188    | -.04171 | .09850  | -.42340  | -.07217 | -.07609 | -.07314 | .02731  | .01096  | .02350  | .03827  |     |     |     |     |
| 3.900 | .869     | -.01992 | .09637  | -.20869  | -.07216 | -.07610 | -.07315 | .02143  | .00676  | .02349  | .03021  |     |     |     |     |
| 3.900 | 1.821    | -.00079 | .09561  | -.00824  | -.07217 | -.07609 | -.07314 | .01931  | .00658  | .02350  | .02609  |     |     |     |     |
| 3.900 | 3.862    | .03949  | .09633  | .40992   | -.07473 | -.07557 | -.07315 | .01363  | .00436  | .01762  | .01803  |     |     |     |     |
| 3.900 | 6.126    | .08779  | .10143  | .86345   | -.07473 | -.07557 | -.07370 | .00583  | .00219  | .01762  | .00804  |     |     |     |     |
| 3.900 | 8.032    | .13337  | .10966  | 1.21567  | -.07473 | -.07610 | -.07371 | .00390  | -.00219 | .01761  | .00171  |     |     |     |     |
| 3.900 | 10.014   | .18435  | .12344  | 1.49341  | -.07473 | -.07610 | -.07371 | .00195  | -.00657 | .01174  | -.00462 |     |     |     |     |
| 3.900 | 12.414   | .24634  | .14556  | 1.69235  | -.07728 | -.07610 | -.07827 | -.00390 | -.01093 | .01174  | -.01463 |     |     |     |     |
| 3.900 | 16.817   | .36765  | .20299  | 1.61115  | -.07727 | -.07609 | -.07826 | -.01363 | -.01934 | .01175  | -.02699 |     |     |     |     |
| 3.900 | 20.341   | .48269  | .27592  | 1.74941  | -.07962 | -.07609 | -.07826 | -.02143 | -.01972 | .00367  | -.04118 |     |     |     |     |
| 3.900 | 23.845   | .63220  | .40508  | 1.96069  | -.07726 | -.07610 | -.07827 | -.03706 | -.02649 | .00367  | -.05554 |     |     |     |     |
| 3.900 | 30.857   | .77310  | .58367  | 1.37155  | -.07726 | -.07610 | -.07827 | -.05633 | -.03943 | .01174  | -.09396 |     |     |     |     |
| 3.900 | 36.301   | .90607  | .77231  | 1.17579  | -.07963 | -.07556 | -.07827 | -.07990 | -.03475 | .00367  | -.13465 |     |     |     |     |
| 3.900 | 41.430   | 1.01638 | 1.00408 | 1.01223  | -.07963 | -.07557 | -.07371 | -.10918 | -.07010 | .00367  | -.17928 |     |     |     |     |
| 3.900 | 43.659   | 1.04869 | 1.10513 | .94912   | -.07726 | -.07557 | -.07315 | -.12476 | -.07449 | .00367  | -.19926 |     |     |     |     |
| 3.900 | GRADIENT | .01945  | -.00252 | .17677   | -.00023 | .00023  | .00000  | -.00415 | -.00248 | -.00053 | -.00663 |     |     |     |     |



0A44 UPWT 1033 COMP-2A B10C5D7M3P4A07E10R3V5X16

(RPHB10) ( 10 JUL 73 )

REFERENCE DATA

MACH = 07.1960 SQ. IN. XMRP = 13.1488 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRFP = 14.0902 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .0000 ELEVTR = -10.0000  
 AIRLON = 9.0000 RUDDER = .0000  
 BDFLAP = -14.250 SPOBRK = 54.920

RUN NO. 36/ 0 RIN/L = 2.31 GRADIENT INTERVAL = -.00/ 9.00

| MACH     | ALPHA  | CL      | CD      | L/D     | CPB     | CPBH    | CPS     | CHEI    | CHEO    | CMR     | CMET    |
|----------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4.800    | -3.926 | -.10299 | .11049  | -.93213 | -.03279 | -.05702 | -.05407 | .03480  | .01676  | .02249  | .03155  |
| 4.800    | -1.706 | -.06395 | .09825  | -.67130 | -.03279 | -.05380 | -.05407 | .02485  | .01117  | .01497  | .03602  |
| 4.800    | -.690  | -.04859 | .09308  | -.51102 | -.03279 | -.05702 | -.05407 | .02237  | .00938  | .01497  | .03075  |
| 4.800    | -.188  | -.03152 | .09184  | -.34399 | -.03277 | -.05378 | -.05405 | .01742  | .00839  | .01499  | .02991  |
| 4.800    | 1.354  | -.00689 | .08953  | -.07698 | -.03277 | -.05378 | -.05405 | .01493  | .00359  | .01499  | .02053  |
| 4.800    | 2.271  | .00682  | .08688  | .07691  | -.03277 | -.05701 | -.05405 | .01244  | .00280  | .01499  | .01524  |
| 4.800    | 4.281  | .04063  | .08901  | .45645  | -.03279 | -.05380 | -.05407 | .00994  | .00000  | .01497  | .00994  |
| 4.800    | 6.192  | .08180  | .09299  | .87981  | -.03279 | -.05380 | -.05407 | .00748  | -.00359 | .01497  | .00187  |
| 4.800    | 8.423  | .13334  | .10236  | 1.30261 | -.03279 | -.05380 | -.05407 | .02497  | -.00359 | .00748  | -.00061 |
| 4.800    | 10.378 | .18068  | .11907  | 1.57012 | -.03604 | -.05702 | -.05407 | .00249  | -.00838 | .00748  | -.00589 |
| 4.800    | 12.608 | .23942  | .13624  | 1.75730 | -.05604 | -.05380 | -.05407 | -.00249 | -.01117 | .00748  | -.01366 |
| 4.800    | 16.686 | .35166  | .19055  | 1.84555 | -.05604 | -.05702 | -.05407 | -.00748 | -.01676 | .00748  | -.02421 |
| 4.800    | 20.782 | .46373  | .26435  | 1.79421 | -.05602 | -.05378 | -.05732 | -.01493 | -.01958 | .00750  | -.03451 |
| 4.800    | 26.002 | .61064  | .39195  | 1.55794 | -.05604 | -.05380 | -.05733 | -.02982 | -.03072 | .00000  | -.06054 |
| 4.800    | 31.056 | .74634  | .54874  | 1.35506 | -.05604 | -.05380 | -.05733 | -.04971 | -.03910 | .00748  | -.08881 |
| 4.800    | 36.240 | .87403  | .74350  | 1.17556 | -.05604 | -.05380 | -.05407 | -.07208 | -.05027 | .00748  | -.12233 |
| 4.800    | 41.628 | .97950  | .97209  | 1.00763 | -.05604 | -.05702 | -.05407 | -.10190 | -.06703 | .00000  | -.16893 |
| 4.800    | 43.616 | 1.00963 | 1.06039 | .93213  | -.05604 | -.05380 | -.05407 | -.11184 | -.06982 | .00000  | -.18166 |
| GRADIENT |        | .01772  | -.00259 | .17398  | .00000  | .00023  | .00000  | -.00307 | -.00201 | -.00070 | -.00978 |



0444 UPWT 1035 CONF-2A 810C307MRP407E10R3V3X16

(RPM811) ( 10 JUL 73 )

REFERENCE DATA

MREF = 97.1560 30.1N. YMRP = 13.1489 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -80.000  
 ALLRON = 5.000 RUDDER = .000  
 BOFLAP = -14.230 SPOBRK = 94.920

RUN NO. 39/ 0 RW/L = 2.30 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPG      | CPRM     | CPAC     | CHEI    | CWEO    | CR      | CNET    |
|-------|----------|---------|---------|----------|----------|----------|----------|---------|---------|---------|---------|
| 2.900 | -4.848   | -19375  | .16006  | -1.22300 | -1.14839 | -1.15967 | -1.14347 | .16382  | .07272  | .03634  | .23694  |
| 2.900 | -2.544   | -13036  | .14372  | -.89476  | -1.14846 | -1.15819 | -1.14176 | .14882  | .05903  | .03631  | .20364  |
| 2.900 | -1.397   | -09697  | .14026  | -.69126  | -1.14834 | -1.15833 | -1.14165 | .13624  | .05303  | .03636  | .16929  |
| 2.900 | -.370    | -04885  | .13700  | -.48669  | -1.14832 | -1.15808 | -1.14516 | .12619  | .04700  | .03637  | .17319  |
| 2.900 | .660     | -03673  | .13364  | -.27446  | -1.14835 | -1.15834 | -1.14320 | .11869  | .04092  | .03636  | .15961  |
| 2.900 | 1.836    | -00107  | .13213  | -.00806  | -1.14836 | -1.15840 | -1.14327 | .10312  | .03634  | .03247  | .14146  |
| 2.900 | 3.773    | .05322  | .13269  | .41618   | -1.14884 | -1.15839 | -1.14348 | .08492  | .03181  | .03247  | .11872  |
| 2.900 | 6.036    | .12236  | .13096  | .89031   | -1.14886 | -1.15817 | -1.14883 | .06332  | .02271  | .02840  | .08803  |
| 2.900 | 8.149    | .18730  | .13106  | 1.23969  | -1.15196 | -1.15993 | -1.15240 | .03117  | .01663  | .02839  | .06762  |
| 2.900 | 10.127   | .24604  | .16634  | 1.47732  | -1.15371 | -1.15994 | -1.15413 | .03906  | .01211  | .02939  | .03116  |
| 2.900 | 12.763   | .32067  | .19361  | 1.65829  | -1.16073 | -1.16342 | -1.15943 | .02893  | .00606  | .02434  | .03300  |
| 2.900 | 16.873   | .43693  | .24961  | 1.74914  | -1.16775 | -1.16864 | -1.16648 | .01213  | .00000  | .02433  | .01213  |
| 2.900 | 20.901   | .56469  | .33320  | 1.69476  | -1.16954 | -1.17217 | -1.16630 | -.00339 | -.00906 | .02029  | -.01447 |
| 2.900 | 26.094   | .71473  | .46301  | 1.54370  | -1.16779 | -1.16693 | -1.16296 | -.02020 | -.01816 | .01623  | -.03636 |
| 2.900 | 31.669   | .86862  | .64404  | 1.34871  | -1.17132 | -1.17394 | -1.17006 | -.03903 | -.02873 | .00406  | -.06760 |
| 2.900 | 36.990   | .99198  | .83166  | 1.16448  | -1.17481 | -1.17741 | -1.17160 | -.08197 | -.03936 | .00300  | -.10134 |
| 2.900 | 42.453   | 1.09273 | 1.10172 | .99166   | -1.17660 | -1.17844 | -1.17006 | -.06866 | -.04366 | .03244  | -.13276 |
| 2.900 | 44.965   | 1.11397 | 1.19932 | .92864   | -1.17835 | -1.17392 | -1.17003 | -.10102 | -.04692 | .01623  | -.14794 |
| 2.900 | GRADIENT | .02969  | -.00323 | .19620   | .00007   | .00040   | -.00024  | -.00933 | -.00496 | -.00033 | -.01490 |

0A44 UPM1 1033 COMP-2A B10C507H3F468TE10R5V5X10

(RPNB11) ( 10 JUL 73 )

REFERENCE DATA

MREF = 87.160 SQ. IN. XMRP = 13.1489 INCHES  
 LREF = 7.1820 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -20.000  
 ALLRON = 5.000 RUDDER = .000  
 BDFLAP = -14.250 SPOBRK = 34.920

RUN NO. 40/ 0 RNL = 2.90 GRADIENT INTERVAL = -5.00/ 3.00

| MACH     | ALPHA  | CL      | CD      | L/D      | CPB     | CPBM    | CPSC    | CHET    | CHEO    | CHR     | CHET    |
|----------|--------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|
| 3.900    | -4.339 | -13378  | .12212  | -1.11156 | -.07216 | -.07537 | -.07313 | .07603  | .04600  | .02348  | .12204  |
| 3.900    | -2.248 | -.09327 | .10885  | -.85683  | -.07217 | -.07536 | -.07314 | .06246  | .03945  | .02350  | .09991  |
| 3.900    | -1.206 | -.07166 | .10430  | -.68595  | -.07217 | -.07536 | -.07314 | .05267  | .03266  | .02350  | .08538  |
| 3.900    | -.170  | -.03299 | .10128  | -.52320  | -.07217 | -.07536 | -.07314 | .05072  | .03069  | .02350  | .08141  |
| 3.900    | .833   | -.03111 | .09888  | -.31461  | -.07217 | -.07536 | -.07314 | .04097  | .02630  | .01762  | .06727  |
| 3.900    | 1.748  | -.01189 | .09772  | -.12172  | -.07217 | -.07536 | -.07314 | .03902  | .02412  | .02350  | .06314  |
| 3.900    | 3.873  | .03096  | .09790  | .31629   | -.07216 | -.07535 | -.07313 | .02927  | .02193  | .01763  | .05119  |
| 3.900    | 6.061  | .07934  | .10185  | .78095   | -.07217 | -.07536 | -.07313 | .01361  | .01535  | .01763  | .03096  |
| 3.900    | 7.874  | .11973  | .10868  | 1.10166  | -.07472 | -.07536 | -.07370 | .01366  | .01096  | .01763  | .02462  |
| 3.900    | 9.900  | .17330  | .12238  | 1.41603  | -.07472 | -.07809 | -.07570 | .00975  | .00877  | .01763  | .01852  |
| 3.900    | 12.341 | .23122  | .14393  | 1.63447  | -.07727 | -.07809 | -.07826 | .00385  | .00438  | .01175  | .01024  |
| 3.900    | 16.320 | .34616  | .19378  | 1.76815  | -.07962 | -.07809 | -.07826 | .00195  | .00200  | .01175  | .00195  |
| 3.900    | 20.489 | .46623  | .27033  | 1.72467  | -.07963 | -.07810 | -.07827 | -.00385 | -.00438 | .00387  | -.01023 |
| 3.900    | 25.894 | .61370  | .39859  | 1.54472  | -.07728 | -.07810 | -.07571 | -.01364 | -.01314 | .00587  | -.02679 |
| 3.900    | 31.034 | .75856  | .55924  | 1.35641  | -.07728 | -.07810 | -.07627 | -.02334 | -.02190 | .00587  | -.04724 |
| 3.900    | 36.195 | .88428  | .75263  | 1.17491  | -.07963 | -.07810 | -.07627 | -.04094 | -.03067 | .00587  | -.07181 |
| 3.900    | 41.400 | .98992  | .97859  | 1.01147  | -.07727 | -.07610 | -.07570 | -.06045 | -.03725 | .00000  | -.09770 |
| 3.900    | 43.853 | 1.02276 | 1.07747 | .94923   | -.07474 | -.07309 | -.07061 | -.07014 | -.04180 | .00000  | -.11174 |
| GRADIENT | .02024 | -.00292 | -.00292 | .17545   | .00000  | .00012  | .00000  | -.00363 | -.00311 | -.00069 | -.00874 |



0A44 UPWT 1033 CONF-SA 810C30TNSP407Z10M5V5X16

(RPM811) ( 10 JUL 73 )

REFERENCE DATA

WREF = 87.1560 IN. XWRP = 13.1469 INCHES  
 LREF = 7.1220 INCHES YWRP = .0000 INCHES  
 WREF = 14.0502 INCHES ZWRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -20.000  
 AIRLON = 5.000 RUDDER = .000  
 BOPLAP = -14.250 SPOBRK = 34.920

RUN NO. 41/ 0 RIVL = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPS     | CPHM    | CPSC    | OMEI    | OMEQ    | CMR     | OMET    |
|-------|----------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|
| 4.000 | -3.376   | -.12082 | .11556  | -1.04533 | -.03279 | -.03360 | -.05061 | .04213  | .04169  | .01497  | .10403  |
| 4.000 | -1.772   | -.06016 | .10214  | -.76477  | -.03279 | -.03360 | -.05061 | .04722  | .03351  | .01497  | .06074  |
| 4.000 | -.942    | -.04672 | .09611  | -.66006  | -.03279 | -.03360 | -.05407 | .04225  | .03072  | .01497  | .07297  |
| 4.000 | .250     | -.04246 | .08992  | -.45213  | -.03279 | -.03360 | -.05061 | .03480  | .02514  | .01497  | .05993  |
| 4.000 | 1.223    | -.02863 | .09179  | -.31410  | -.03279 | -.03360 | -.05061 | .02962  | .02234  | .01497  | .03217  |
| 4.000 | 2.169    | -.00371 | .09025  | -.08545  | -.03279 | -.03360 | -.05061 | .02734  | .01933  | .01497  | .04669  |
| 4.000 | 4.267    | .03327  | .09021  | .36677   | -.03279 | -.03360 | -.05061 | .01968  | .01396  | .01497  | .03363  |
| 4.000 | 6.249    | .07437  | .09336  | .79637   | -.03279 | -.03360 | -.05061 | .01491  | .00636  | .01497  | .02329  |
| 4.000 | 8.426    | .12224  | .10166  | 1.20216  | -.03279 | -.03360 | -.05407 | .01243  | .00359  | .00748  | .01601  |
| 4.000 | 10.279   | .16624  | .11312  | 1.48965  | -.03604 | -.03360 | -.05407 | .00994  | .00279  | .00748  | .01273  |
| 4.000 | 12.676   | .22516  | .13359  | 1.66369  | -.03604 | -.03360 | -.05733 | .00746  | -.00279 | .00748  | .00466  |
| 4.000 | 16.668   | .33711  | .16724  | 1.90043  | -.03604 | -.03360 | -.05407 | .00249  | -.00359 | .00748  | -.00310 |
| 4.000 | 20.631   | .43205  | .26113  | 1.73111  | -.03604 | -.03360 | -.05733 | -.00249 | -.00636 | .00748  | -.01086 |
| 4.000 | 25.941   | .59416  | .36364  | 1.54800  | -.03604 | -.03360 | -.05733 | -.00994 | -.01396 | .00000  | -.02391 |
| 4.000 | 30.993   | .72611  | .53475  | 1.36156  | -.03604 | -.03360 | -.05733 | -.02237 | -.01933 | .00748  | -.04192 |
| 4.000 | 36.324   | .83223  | .72967  | 1.16797  | -.03604 | -.03360 | -.05407 | -.03480 | -.02793 | .00000  | -.06272 |
| 4.000 | 41.364   | .94768  | .93716  | 1.01141  | -.03604 | -.03360 | -.05407 | -.03219 | -.03631 | .00000  | -.08650 |
| 4.000 | 45.616   | .96351  | 1.03494 | .93031   | -.03604 | -.03360 | -.05061 | -.03965 | -.03910 | .00000  | -.09675 |
| 4.000 | GRADIENT | .01655  | -.00306 | .17211   | .00000  | .00000  | .00006  | -.00514 | -.00344 | -.00000 | -.00457 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



0A44 UPWT 1033 COMP-SA 810CSD703P4A1PTE18V3X16

(RPM812) ( 10 JUL 73 )

REFERENCE DATA

DRP = 87.1880 80.1N. YMRP = 13.1488 INCHES  
 LMRP = 7.1220 INCHES YMRP = .0000 INCHES  
 BRP = 14.0902 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AIRCON = .000 RUDDER = -10.000  
 BDFLAP = -14.250 SPOBRK = 54.920

RUN NO. 42/ 0 RW/L = 2.90 GRADIENT INTERVAL = -9.00V 9.00

| MACN     | ALPHA  | CL      | CD      | L/D      | CPB     | CPBM    | CPBC    | ONEI    | CHEO    | QR      | CHET    |
|----------|--------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|
| 2.500    | -4.565 | -1.4832 | .14839  | -1.01998 | -.15070 | -.16213 | -.14940 | .03368  | .00494  | .17040  | .03522  |
| 2.500    | -2.443 | -.08354 | .13701  | -.60973  | -.15803 | -.16745 | -.15477 | .02019  | -.00302 | .16620  | .01716  |
| 2.500    | -1.404 | -.05146 | .13363  | -.36520  | -.13774 | -.16364 | -.15646 | .01482  | -.00757 | .16230  | .00723  |
| 2.500    | -.331  | -.01935 | .13200  | -.14657  | -.15947 | -.16362 | -.15820 | .00809  | -.01060 | .16236  | -.00251 |
| 2.500    | .721   | .01281  | .13103  | .09772   | -.13937 | -.16352 | -.15809 | .00270  | -.01365 | .15855  | -.01093 |
| 2.500    | 1.700  | .04114  | .13137  | .13117   | -.15949 | -.16368 | -.15821 | -.00270 | -.01817 | .15826  | -.02047 |
| 2.500    | 3.823  | .10275  | .13469  | .76173   | -.13776 | -.16391 | -.15824 | -.01462 | -.02422 | .15010  | -.03903 |
| 2.500    | 5.939  | .18615  | .14438  | 1.18474  | -.15947 | -.17087 | -.15997 | -.02630 | -.03029 | .14613  | -.05960 |
| 2.500    | 8.166  | .23439  | .15961  | 1.46835  | -.16479 | -.17440 | -.16334 | -.04041 | -.03936 | .13386  | -.07977 |
| 2.500    | 10.209 | .29257  | .17739  | 1.64933  | -.16632 | -.17262 | -.16328 | -.03122 | -.04392 | .12383  | -.09313 |
| 2.500    | 12.335 | .35555  | .20296  | 1.75188  | -.17007 | -.16914 | -.16883 | -.08197 | -.05147 | .11766  | -.11343 |
| 2.500    | 16.346 | .48216  | .26330  | 1.81740  | -.17006 | -.16364 | -.16883 | -.08623 | -.06310 | .11768  | -.11334 |
| 2.500    | 20.812 | .61589  | .35322  | 1.73362  | -.16480 | -.16391 | -.16178 | -.11314 | -.08173 | .10932  | -.19487 |
| 2.500    | 26.145 | .77779  | .50094  | 1.53287  | -.17006 | -.16739 | -.16330 | -.13090 | -.10295 | .08927  | -.25395 |
| 2.500    | 31.568 | .93087  | .68896  | 1.35113  | -.17003 | -.17261 | -.16880 | -.19142 | -.12724 | .05684  | -.31866 |
| 2.500    | 38.904 | 1.08037 | .91450  | 1.15973  | -.18064 | -.17613 | -.17413 | -.24111 | -.15136 | .03245  | -.39248 |
| 2.500    | 42.346 | 1.15654 | 1.17491 | .98436   | -.18945 | -.17267 | -.17948 | -.29490 | -.16493 | .04055  | -.43983 |
| 2.500    | 44.339 | 1.18293 | 1.28632 | .91982   | -.19116 | -.17810 | -.18294 | -.31686 | -.17272 | .03655  | -.48958 |
| GRADIENT | .03007 | .03007  | -.00137 | .21902   | -.00364 | .00000  | -.00100 | -.00573 | -.00344 | -.00229 | -.00917 |



0444 UPAT 1035 CONF-2A 810C907MDF4M7E10R3V3X16

(RPM812) ( 10 JUL 73 )

REFERENCE DATA

BRPF = 07.1800 IN. YMRP = 13.1488 INCHES  
 LMRP = 7.1200 INCHES YMRP = .0000 INCHES  
 BRPF = 14.0702 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

BETA = .0000 ELEVTR = .0000  
 AIRLON = .0000 RUDOR = -10.0000  
 BOPLAP = -14.2500 SPOBOK = 34.9200

PARAMETRIC DATA

RUN NO. 43/ 0 RIN/L = 2.50 GRADIENT INTERVAL = -3.00/ 9.00

| MACH     | ALPHA  | CL      | CD      | L/D     | CPR     | CPRM    | CPS     | CHEI    | CMCO    | CHR     | CHET    |
|----------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3.000    | -4.374 | -.10931 | .11945  | -.84526 | -.07296 | -.07626 | -.07397 | .00760  | .00219  | .12018  | .00998  |
| 3.000    | -2.202 | -.07219 | .10495  | -.66784 | -.07293 | -.07625 | -.07908 | .00390  | .00000  | .11748  | .00390  |
| 3.000    | -1.246 | -.03333 | .10139  | -.52397 | -.07350 | -.07626 | -.07653 | .00193  | -.00438 | .11746  | -.00243 |
| 3.000    | -.166  | -.03161 | .09896  | -.31741 | -.07390 | -.07679 | -.07653 | -.00193 | -.00438 | .11196  | -.00433 |
| 3.000    | .933   | -.01248 | .09725  | -.12834 | -.07351 | -.07626 | -.07653 | -.00390 | -.00637 | .11195  | -.01047 |
| 3.000    | 1.801  | .00694  | .09715  | .06771  | -.07390 | -.07626 | -.07397 | -.07393 | -.00676 | .11196  | -.01481 |
| 3.000    | 3.632  | .04976  | .09632  | .50417  | -.07351 | -.07626 | -.07653 | -.01314 | -.01314 | .11195  | -.02484 |
| 3.000    | 5.960  | .09333  | .15577  | .91865  | -.07390 | -.07626 | -.07653 | -.01733 | -.01733 | .10371  | -.03306 |
| 3.000    | 8.187  | .14903  | .11417  | 1.30339 | -.07390 | -.07626 | -.07909 | -.02740 | -.02410 | .09808  | -.04730 |
| 3.000    | 10.077 | .19942  | .13000  | 1.53404 | -.07390 | -.07679 | -.07908 | -.03170 | -.02849 | .08222  | -.03989 |
| 3.000    | 12.638 | .26975  | .15418  | 1.74628 | -.07903 | -.07679 | -.07909 | -.04074 | -.03503 | .07046  | -.07600 |
| 3.000    | 16.319 | .37933  | .20830  | 1.82211 | -.07903 | -.07679 | -.07909 | -.03849 | -.04820 | .03872  | -.10669 |
| 3.000    | 20.361 | .50379  | .28796  | 1.74949 | -.07903 | -.07626 | -.07909 | -.07743 | -.04133 | .03263  | -.14130 |
| 3.000    | 23.775 | .63476  | .41991  | 1.39829 | -.07903 | -.07626 | -.07909 | -.11305 | -.06108 | .03324  | -.19613 |
| 3.000    | 31.046 | .80803  | .59544  | 1.35656 | -.07903 | -.07679 | -.06164 | -.13403 | -.10297 | .02936  | -.23701 |
| 3.000    | 36.334 | .94292  | .80903  | 1.16347 | -.06060 | -.07679 | -.07909 | -.19490 | -.12929 | -.01762 | -.32618 |
| 3.000    | 41.473 | 1.09068 | 1.04759 | 1.00296 | -.06060 | -.07679 | -.07909 | -.24763 | -.13337 | -.01174 | -.40100 |
| 3.000    | 43.793 | 1.08731 | 1.19955 | .93770  | -.06060 | -.07626 | -.07653 | -.27232 | -.16210 | .00070  | -.43301 |
| GRADIENT | .01940 | -.00209 | -.00209 | .17908  | -.00036 | -.00000 | -.00001 | -.00240 | -.00168 | -.00237 | -.00426 |

Q444 UPLT 1033 COMP-BA 810C507M3P4P7E1MR3V3X16

(RPM812) ( 10 JUL 73 )

REFERENCE DATA

WREF = 97.1500 SA.1N. XMRP = 13.1409 INCHES  
 YREF = 7.1220 INCHES YMRP = .0000 INCHES  
 ZREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

BETA = .000 ELEVTR = .000  
 AIRON = .000 RUDDER = -10.000  
 BDPLAP = -14.230 SPDRK = 34.920

PARAMETRIC DATA

RUN NO. 44/ 0 R/V/L = 2.90 GRADIENT INTERVAL = -9.00/ 3.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPB     | CPBM    | CPSC    | CHET    | CHED    | CHR     | CHET    |
|-------|----------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|
| 4.600 | -3.975   | -1.0060 | .11364  | -1.69596 | -.03377 | -.03467 | -.05837 | .00249  | .00000  | .11236  | .02249  |
| 4.600 | -1.683   | -.04707 | .10146  | -.66090  | -.03377 | -.03769 | -.05511 | .00000  | -.00276 | .09736  | -.00279 |
| 4.600 | -.816    | -.03006 | .09750  | -.51345  | -.03377 | -.03467 | -.05511 | -.00249 | -.00359 | .09736  | -.00308 |
| 4.600 | .205     | -.02338 | .09246  | -.27445  | -.03375 | -.03768 | -.05509 | -.00249 | -.00360 | .09732  | -.00309 |
| 4.600 | 1.348    | -.00628 | .09154  | -.09027  | -.03377 | -.03769 | -.05511 | -.00497 | -.00359 | .09736  | -.01036 |
| 4.600 | 2.140    | .00565  | .08953  | .06285   | -.03377 | -.03467 | -.05511 | -.00746 | -.01116 | .09736  | -.01464 |
| 4.600 | 4.334    | .05038  | .09081  | .53478   | -.03377 | -.03467 | -.05511 | -.00746 | -.01397 | .09736  | -.02144 |
| 4.600 | 6.341    | .09140  | .09329  | .95925   | -.03377 | -.03467 | -.05511 | -.01492 | -.01677 | .04240  | -.03169 |
| 4.600 | 8.331    | .13613  | .10392  | 1.30993  | -.03375 | -.03768 | -.05836 | -.01993 | -.02239 | .06731  | -.04232 |
| 4.600 | 10.315   | .18716  | .11759  | 1.59051  | -.03375 | -.03768 | -.05836 | -.02740 | -.02319 | .06001  | -.03239 |
| 4.600 | 12.762   | .24908  | .14005  | 1.77648  | -.03702 | -.03769 | -.05837 | -.03731 | -.03334 | .04494  | -.07085 |
| 4.600 | 16.727   | .38369  | .19676  | 1.84518  | -.03702 | -.03769 | -.05837 | -.03223 | -.04472 | .03743  | -.09693 |
| 4.600 | 20.725   | .48146  | .27487  | 1.75159  | -.03702 | -.03769 | -.05837 | -.02813 | -.05590 | .02996  | -.12903 |
| 4.600 | 25.875   | .63222  | .40413  | 1.56431  | -.03702 | -.03769 | -.05837 | -.10447 | -.07346 | .01498  | -.17993 |
| 4.600 | 31.090   | .77693  | .57147  | 1.35935  | -.03702 | -.03769 | -.05837 | -.14426 | -.09782 | .01494  | -.24204 |
| 4.600 | 36.333   | .90463  | .77818  | 1.15099  | -.03702 | -.03769 | -.05837 | -.16903 | -.12298 | .00749  | -.31201 |
| 4.600 | 41.425   | 1.00816 | 1.00454 | 1.00361  | -.03702 | -.03769 | -.05837 | -.23629 | -.14813 | .00000  | -.38442 |
| 4.600 | 43.720   | 1.03981 | 1.10473 | .94124   | -.03702 | -.03467 | -.05511 | -.23619 | -.15832 | .00000  | -.41270 |
| 4.600 | GRADIENT | .01921  | -.00279 | .17555   | .00000  | .00007  | .00030  | -.00131 | -.00166 | -.00139 | -.00297 |



Q444 UPWT 1033 CONF-2A 81DC287MOP4216

(SP.813) ( 10 JUL 75 )

REFERENCE DATA

WREF = 07.1500 IN. YWRP = 13.1400 INCHES  
 LREF = 7.1250 INCHES YMRP = .0000 INCHES  
 WREF = 14.0300 INCHES ZMRP = 6.3000 INCHES  
 SCALE = .0100 SCALE

PARAMETRIC DATA

BETA = .000 BOFLAP = -14.830

RUN NO. 45/ 0 RW/L = 8.51 GRADIENT INTERVAL = -9.00/ 9.00

| MACH     | ALPHA  | CL      | CD     | L/D     | CDB     | CPM     | CPMC    | CMZ1   | CMZ0   | CMR    | CMET   |
|----------|--------|---------|--------|---------|---------|---------|---------|--------|--------|--------|--------|
| 2.500    | -4.404 | -.04963 | .08104 | -.73608 | -.17930 | -.17093 | -.14936 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | -2.170 | -.04923 | .08349 | -.37443 | -.15804 | -.17096 | -.14943 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 1.281  | -.04179 | .08385 | -.49844 | -.15430 | -.17    | -.14769 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | -.701  | -.03845 | .08137 | -.41790 | -.15430 | -.18824 | -.14768 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 6.3    | -.02710 | .07934 | -.34075 | -.15043 | -.18926 | -.14597 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 1.745  | -.02160 | .07607 | -.14904 | -.14726 | -.18733 | -.14596 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 3.936  | -.00366 | .07336 | -.07771 | -.14090 | -.18030 | -.14592 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 5.936  | .01014  | .07334 | 1.3434  | -.14090 | -.18048 | -.14599 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 8.133  | .02059  | .07827 | 3.7327  | -.15378 | -.17443 | -.14526 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 12.297 | .04732  | .08316 | .57141  | -.14030 | -.17443 | -.14526 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 16.313 | .07501  | .08737 | .82227  | -.16463 | -.17448 | -.14534 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 20.476 | .13068  | .10473 | 1.22439 | -.16463 | -.16929 | -.14713 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 25.393 | .19934  | .13612 | 1.37231 | -.16933 | -.16922 | -.14709 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 30.767 | .23960  | .16943 | 1.37043 | -.17542 | -.17624 | -.17419 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 36.116 | .33021  | .26209 | 1.23992 | -.16772 | -.18671 | -.19633 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 41.108 | .39364  | .35236 | 1.11645 | -.17129 | -.19373 | -.19012 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 46.478 | .44678  | .45295 | .98636  | -.18128 | -.19200 | -.18833 | .00000 | .00000 | .00000 | .00000 |
| 2.500    | 48.424 | .48424  | .49929 | .93167  | -.18777 | -.18931 | -.18482 | .00000 | .00000 | .00000 | .00000 |
| GRADIENT | .00751 | -.00198 | .08019 | .08019  | .00153  | .00116  | .00031  | .00000 | .00000 | .00000 | .00000 |



0A44 UPMF 1035 COMP-2A B10C90783F4X16

(RPN813) ( 10 JUL 73 )

REFERENCE DATA

SREF = 97.1500 SQ.IN. XMRP = 13.1469 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 PREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -14.850

RUN NO. 46/ 0 RM/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D     | CPS     | CPM     | CPS     | CHI    | CHC    | CHR    | CHIET  |
|-------|----------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 3.900 | -4.152   | -.06290 | .07440  | -.84510 | -.07557 | -.07691 | -.07913 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | -2.173   | -.04623 | .06800  | -.87994 | -.07557 | -.07691 | -.07912 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | -1.036   | -.04082 | .06495  | -.82830 | -.07557 | -.07690 | -.07656 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | -.039    | -.03237 | .06288  | -.51647 | -.07557 | -.07690 | -.07656 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | 1.009    | -.02681 | .06071  | -.44160 | -.07301 | -.07636 | -.07359 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | 1.917    | -.01834 | .06182  | -.29682 | -.07502 | -.07638 | -.07637 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | 3.933    | -.00360 | .05925  | -.09456 | -.07303 | -.07638 | -.07402 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | 6.191    | .01003  | .05636  | .17791  | -.07558 | -.07638 | -.07637 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | 8.192    | .02859  | .05877  | .48646  | -.07557 | -.07363 | -.07637 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | 10.049   | .04421  | .06137  | .71797  | -.07558 | -.07638 | -.07637 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | 12.433   | .06946  | .06782  | .92709  | -.07812 | -.07638 | -.07913 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | 16.450   | .11979  | .08699  | 1.37711 | -.07812 | -.07637 | -.07912 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | 20.475   | .17300  | .11619  | 1.48933 | -.07812 | -.07637 | -.07912 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | 25.635   | .24177  | .16826  | 1.43688 | -.07811 | -.07637 | -.07912 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | 30.525   | .30766  | .23519  | 1.30615 | -.07812 | -.07637 | -.08163 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | 35.884   | .36870  | .32231  | 1.14322 | -.08066 | -.07637 | -.08166 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | 41.219   | .42605  | .42710  | .99614  | -.07812 | -.07637 | -.07912 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | 43.044   | .44225  | .45596  | .84912  | -.07812 | -.07638 | -.07913 | .00000 | .00000 | .00000 | .00000 |
| 3.900 | GRADIENT | .00702  | -.00182 | .09275  | .00042  | .00042  | .00067  | .00000 | .00000 | .00000 | .00000 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



0444 UPWT 1035 CONF-2A B10C907A3F4X18

(RPM813) ( 10 JUL 73 )

REFERENCE DATA

REF = 87.1560 SQ.IN. XMRP = 13.1489 INCHES  
 LREF = 7.1250 INCHES YMRP = .0000 INCHES  
 BREF = 14.0902 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -14.230

RUN NO. 47/ 0 RML = 2.90 GRADIENT INTERVAL = -9.00/ 9.00

| MACH  | ALPHA    | CL      | CD      | L/D     | CPB     | CPBM    | CPCS    | CHC1   | CHC0   | CHR    | CHET   |
|-------|----------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 4.600 | -3.770   | -.05897 | .07089  | -.83085 | -.05387 | -.05483 | -.05317 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | -1.740   | -.04476 | .08416  | -.69783 | -.05385 | -.05481 | -.05316 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | -.829    | -.03745 | .08197  | -.60825 | -.05385 | -.05481 | -.05316 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | .373     | -.03006 | .05798  | -.51852 | -.05385 | -.05481 | -.05189 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | 1.425    | -.02283 | .05574  | -.40805 | -.05385 | -.05481 | -.05189 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | 2.321    | -.01521 | .05396  | -.29186 | -.05387 | -.05483 | -.05317 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | 4.372    | -.00219 | .05242  | -.04185 | -.05385 | -.05158 | -.05189 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | 6.461    | .01094  | .05125  | .21342  | -.05385 | -.05481 | -.05189 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | 8.521    | .02766  | .05296  | .52216  | -.05385 | -.05481 | -.05316 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | 10.487   | .04767  | .05691  | .84122  | -.05385 | -.05481 | -.05316 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | 12.458   | .06640  | .06290  | 1.05358 | -.05385 | -.05481 | -.05316 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | 16.641   | .11728  | .06146  | 1.43973 | -.05385 | -.05481 | -.05316 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | 20.848   | .16879  | .11077  | 1.52390 | -.05385 | -.05158 | -.05842 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | 25.852   | .23541  | .16216  | 1.45187 | -.05385 | -.05158 | -.05316 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | 30.804   | .30030  | .22783  | 1.31799 | -.05710 | -.05481 | -.05316 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | 36.103   | .36203  | .31634  | 1.14442 | -.05710 | -.05481 | -.05316 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | 40.950   | .40985  | .40753  | 1.00320 | -.05710 | -.05481 | -.05316 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | 43.306   | .42924  | .43009  | .93367  | -.05385 | -.05481 | -.05316 | .00000 | .00000 | .00000 | .00000 |
| 4.600 | GRADIENT | .00701  | -.00234 | .09743  | .00000  | .00030  | .00039  | .00000 | .00000 | .00000 | .00000 |

DATA UPMT 1033 CONF-2A B1DC5D7M3F4M7E10R3V5X16

(RPI014) ( 10 JUL 73 )

REFERENCE DATA

BREF = 07.1500 SQ. IN. XMRP = 13.1489 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0130 SCALE

PARAMETRIC DATA

ALPHA = .000 ELEVTR = .000  
 AIRCON = .000 RUDDET = .000  
 BDFLAP = -14.230 SPOBRK = 34.920

RUN NO. 8/ 0 RNL = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | BETA    | CL      | CD     | L/D     | CPB     | CPBM    | CPSC    | CHET   | CHCO    | CHR     | CHET    |
|----------|---------|---------|--------|---------|---------|---------|---------|--------|---------|---------|---------|
| 3.900    | -4.032  | -.02439 | .09922 | -.24786 | -.07347 | -.07689 | -.07186 | .00195 | -.01095 | -.08605 | -.00900 |
| 3.900    | -2.029  | -.02632 | .09936 | -.26754 | -.07601 | -.07688 | -.07185 | .00195 | -.01096 | -.02937 | -.00901 |
| 3.900    | -1.029  | -.02422 | .09805 | -.24703 | -.07346 | -.07688 | -.06929 | .00195 | -.01096 | .00000  | -.00901 |
| 3.900    | -.014   | -.02500 | .09601 | -.25305 | -.07347 | -.07699 | -.06931 | .00195 | -.00876 | .02935  | -.00681 |
| 3.900    | 1.067   | -.02555 | .09909 | -.26351 | -.07346 | -.07688 | -.06930 | .00195 | -.00977 | .05286  | -.00682 |
| 3.900    | 2.022   | -.02668 | .09991 | -.27001 | -.07346 | -.07688 | -.06929 | .00195 | -.00877 | .08224  | -.01682 |
| 3.900    | 4.055   | -.02547 | .10032 | -.23393 | -.07347 | -.07699 | -.07186 | .00390 | -.00676 | .12330  | -.00486 |
| 3.900    | 6.088   | -.02445 | .10152 | -.24079 | -.07602 | -.07689 | -.07442 | .00390 | -.00876 | .17028  | -.00486 |
| GRADIENT | -.00014 | -.00014 | .00013 | -.05107 | .00012  | -.00000 | .00012  | .00018 | .00036  | .02634  | .00034  |

RUN NO. 14/ 0 RNL = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | BETA   | CL      | CD     | L/D     | CPB     | CPBM    | CPSC    | CHET    | CHCO    | CHR     | CHET    |
|----------|--------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4.600    | -4.034 | -.01828 | .09163 | -.19955 | -.05439 | -.03220 | -.03238 | -.00249 | -.01121 | -.09762 | -.01370 |
| 4.600    | -1.998 | -.01935 | .09001 | -.20048 | -.05439 | -.03220 | -.03239 | -.00249 | -.01121 | -.04506 | -.01370 |
| 4.600    | -1.024 | -.01688 | .08997 | -.18759 | -.05441 | -.03222 | -.03240 | -.00249 | -.01119 | -.01500 | -.01368 |
| 4.600    | -.010  | -.01754 | .08959 | -.19480 | -.05441 | -.03222 | -.04913 | -.00498 | -.01119 | .01500  | -.01617 |
| 4.600    | 1.003  | -.01834 | .09011 | -.20356 | -.05113 | -.03220 | -.04911 | -.00499 | -.01121 | .03237  | -.01619 |
| 4.600    | 1.999  | -.01908 | .09094 | -.20977 | -.05439 | -.03220 | -.03238 | -.00499 | -.00841 | .07510  | -.01339 |
| 4.600    | 4.067  | -.01683 | .08254 | -.18188 | -.05441 | -.03222 | -.03240 | -.00498 | -.01119 | .13497  | -.01617 |
| 4.600    | 6.077  | -.01869 | .09399 | -.19971 | -.05441 | -.03222 | -.03240 | -.00498 | -.01119 | .17997  | -.01617 |
| GRADIENT | .00014 | .00014  | .00013 | .00179  | .00007  | -.00000 | .00007  | -.00041 | .00013  | .02913  | -.00028 |



0A44 UPWT 1035 COMP-2A B1DC307M3FA67E10R5V5X16

(RPM815) ( 10 JUL 75 )

REFERENCE DATA

SREF = 87.1560 90.1N. XMRP = 13.1469 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 DRFP = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

ALPHA = 20.000 ELEVTR = .000  
 ATLRON = .000 RUDDER = .000  
 BDPLAP = -14.250 SPDBRK = 94.920

RUN NO. 9/ 0 RV/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | BETA     | CL      | CD      | L/D     | CPB     | CPBM    | CPSC    | CHET    | CHRO   | CHET    |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|--------|---------|
| 3.900 | -4.136   | .50843  | .26776  | 1.76691 | -.07656 | -.07686 | -.07697 | -.07412 | .00000 | -.13329 |
| 3.900 | -2.039   | .50903  | .26840  | 1.76501 | -.07636 | -.07669 | -.07697 | -.07410 | .01174 | -.13326 |
| 3.900 | -1.041   | .50828  | .26783  | 1.76597 | -.07636 | -.07669 | -.07697 | -.07409 | .01174 | -.13544 |
| 3.900 | -1.008   | .50812  | .26897  | 1.77060 | -.07635 | -.07435 | -.07440 | -.07413 | .00399 | -.13531 |
| 3.900 | 1.007    | .50666  | .26723  | 1.76463 | -.07636 | -.07435 | -.07697 | -.07410 | .00367 | -.13546 |
| 3.900 | 2.040    | .50602  | .26711  | 1.76247 | -.07636 | -.07435 | -.07441 | -.07410 | .00000 | -.13764 |
| 3.900 | 4.142    | .50699  | .26740  | 1.76409 | -.07636 | -.07436 | -.07697 | -.07408 | .01761 | -.13980 |
| 3.900 | 6.202    | .50522  | .26746  | 1.75755 | -.07636 | -.07686 | -.07697 | -.07213 | .04696 | -.13789 |
|       | GRADIENT | -.00030 | -.00011 | -.00040 | .00000  | .00041  | .00012  | .00000  | .00096 | -.00090 |

RUN NO. 15/ 0 RV/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | BETA     | CL     | CD     | L/D     | CPB     | CPBM    | CPSC    | CHET    | CHRO    | CHET    |
|-------|----------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 4.600 | -4.102   | .49351 | .27624 | 1.76656 | -.05439 | -.05220 | -.05236 | -.07231 | -.00731 | -.12833 |
| 4.600 | -2.040   | .49436 | .27742 | 1.76274 | -.03766 | -.05222 | -.05240 | -.07221 | .00000  | -.12816 |
| 4.600 | -1.015   | .49409 | .27673 | 1.76548 | -.03766 | -.05222 | -.05567 | -.07221 | .00000  | -.12916 |
| 4.600 | -.006    | .49357 | .27606 | 1.76777 | -.03766 | -.05222 | -.05240 | -.07221 | .00000  | -.13096 |
| 4.600 | 1.025    | .49626 | .27746 | 1.76853 | -.03766 | -.05222 | -.05567 | -.06972 | .00000  | -.12847 |
| 4.600 | 2.027    | .49544 | .27767 | 1.76430 | -.03766 | -.05222 | -.05240 | -.06972 | .00000  | -.13127 |
| 4.600 | 4.097    | .49449 | .27776 | 1.76011 | -.03766 | -.05220 | -.05565 | -.06445 | .01502  | -.13426 |
| 4.600 | 6.139    | .49277 | .27759 | 1.77315 | -.03764 | -.05220 | -.05565 | -.06862 | .03735  | -.13426 |
|       | GRADIENT | .00016 | .00017 | -.00046 | -.00030 | -.00000 | -.00031 | .00041  | .00210  | -.00070 |

DATE 30 OCT 74

TABULATED SOURCE DATA - 0444

0444 UPWT 1035 COMP-2A B10C5D7RBF4#87E1R1R1V3X16

(RPNB16) ( 10 JUL 73 )

PARAMETRIC DATA

ALPHA = 30.000 ELEVTR = .000  
 ALLCON = .000 RUDDER = .000  
 BDFLAP = -14.250 SPDBRK = 94.920

REFERENCE DATA

REF = 67.1900 SA.1M. XMRP = 13.1469 INCHES  
 LREF = 7.1280 INCHES YMRP = .0000 INCHES  
 SREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

RUN NO. 10/ 0 RVL = 2.50 GRADIENT INTERVAL = -9.00/ 5.00

| MACH  | BETA     | CL      | CD      | L/D     | CPB     | CPBM    | CPSC    | CHET    | CHER    | CHED    | CHET    |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3.900 | -4.142   | .81548  | .59713  | 1.36564 | -.07856 | -.07435 | -.07697 | -.14625 | -.03523 | -.10079 | -.24707 |
| 3.900 | -2.035   | .81414  | .59595  | 1.36611 | -.07856 | -.07435 | -.07441 | -.14627 | -.01762 | -.10081 | -.24739 |
| 3.900 | -1.022   | .81355  | .59303  | 1.36724 | -.07856 | -.07435 | -.07697 | -.14628 | .00000  | -.10082 | -.24710 |
| 3.900 | -.015    | .81485  | .59609  | 1.36698 | -.07856 | -.07435 | -.07697 | -.14627 | .01175  | -.10300 | -.24927 |
| 3.900 | .993     | -.95711 | -.40681 | 2.35272 | -.07856 | -.07688 | -.07697 | -.14628 | .02350  | -.10520 | -.25148 |
| 3.900 | 2.037    | .81525  | .59712  | 1.36529 | -.08111 | -.07699 | -.07442 | -.14428 | .03523  | -.10517 | -.24945 |
| 3.900 | 4.141    | .81352  | .59669  | 1.36340 | -.07856 | -.07689 | -.07441 | -.14430 | .04698  | -.10737 | -.25167 |
| 3.900 | 6.215    | .81191  | .59608  | 1.36208 | -.08111 | -.07688 | -.07441 | -.14431 | .05673  | -.10737 | -.25168 |
| 3.900 | GRADIENT | -.03981 | -.02244 | .02184  | -.00012 | -.00041 | .00024  | .00027  | .01056  | -.00091 | -.00084 |

RUN NO. 16/ 0 RVL = 2.50 GRADIENT INTERVAL = -9.00/ 5.00

| MACH  | BETA     | CL     | CD     | L/D     | CPB     | CPBM    | CPSC    | CHET    | CHER    | CHED    | CHET    |
|-------|----------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4.600 | -4.109   | .78737 | .57660 | 1.36554 | -.05766 | -.05222 | -.05567 | -.14192 | -.02999 | -.09793 | -.23985 |
| 4.600 | -2.041   | .78923 | .57725 | 1.36721 | -.05766 | -.05546 | -.05240 | -.14192 | -.01500 | -.09793 | -.23985 |
| 4.600 | -1.031   | .79145 | .57874 | 1.36753 | -.05766 | -.05546 | -.05240 | -.14192 | -.00750 | -.09793 | -.23985 |
| 4.600 | .013     | .79223 | .57857 | 1.36939 | -.05764 | -.05220 | -.05565 | -.14213 | .00751  | -.10087 | -.24300 |
| 4.600 | 1.020    | .79024 | .57771 | 1.36788 | -.05766 | -.05222 | -.05240 | -.13943 | .01500  | -.10072 | -.24016 |
| 4.600 | 2.030    | .78972 | .57705 | 1.36855 | -.05766 | -.05222 | -.05240 | -.13943 | .01500  | -.10072 | -.24016 |
| 4.600 | 4.106    | .78932 | .57712 | 1.36769 | -.05764 | -.05220 | -.05238 | -.13964 | .03094  | -.10367 | -.24331 |
| 4.600 | 6.163    | .78791 | .57641 | 1.36693 | -.05764 | -.05220 | -.05565 | -.13954 | .04506  | -.10367 | -.24331 |
| 4.600 | GRADIENT | .00018 | .00002 | .00027  | .00000  | .00023  | .00031  | .00035  | .00749  | -.00073 | -.00034 |



0A44 UPMT 1035 CONF-2A 810C9D7M3F4M7E18R1S3X10

(RPNB17) ( 10 JUL 73 )

REFERENCE DATA

MACH = 3.900  
 SREF = 87.1380 SQ. IN.  
 LREF = 7.1220 INCHES  
 BREF = 14.0502 INCHES  
 SCALE = .0130 SCALE

PARAMETRIC DATA

ALPHA = 40.000  
 ALLCON = .000  
 BDFLAP = -14.250  
 ELEVTR = .000  
 RUDDER = .000  
 SPOBRK = 54.920

RUN NO. 11/ 0 RIVL = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | BETA   | CL      | CD      | L/D     | CPB      | CPBM     | CPSC     | CHET    | CHEO    | CHR      | CHET     |
|----------|--------|---------|---------|---------|----------|----------|----------|---------|---------|----------|----------|
| 3.900    | -4.127 | 1.01640 | 1.01017 | 1.00815 | -0.09441 | -0.03222 | -0.04913 | -22.409 | -1.4549 | -0.00750 | -0.36934 |
| 3.900    | -2.045 | 1.02011 | 1.01168 | 1.00833 | -0.09441 | -0.03222 | -0.04913 | -22.538 | -1.4549 | -0.00750 | -0.37207 |
| 3.900    | -1.009 | 1.01962 | 1.01094 | 1.00839 | -0.05441 | -0.04899 | -0.05240 | -22.654 | -1.4549 | .00000   | -0.37207 |
| 3.900    | .020   | 1.02327 | 1.01444 | 1.00871 | -0.05439 | -0.03220 | -0.05238 | -22.940 | -1.4570 | .00000   | -0.37511 |
| 3.900    | 1.011  | 1.02207 | 1.01468 | 1.00728 | -0.03439 | -0.03220 | -0.04911 | -22.940 | -1.4570 | .00000   | -0.37511 |
| 3.900    | 2.066  | 1.02009 | 1.01253 | 1.00747 | -0.03441 | -0.03222 | -0.05240 | -22.907 | -1.4549 | .00000   | -0.37456 |
| 3.900    | 4.132  | 1.01906 | 1.01145 | 1.00749 | -0.03441 | -0.04899 | -0.04913 | -22.907 | -1.4549 | .00750   | -0.37456 |
| 3.900    | 6.191  | 1.01548 | 1.00765 | 1.00776 | -0.03441 | -0.03222 | -0.04913 | -22.654 | -1.4549 | .02250   | -0.37207 |
| GRADIENT |        | .00012  | .00025  | -.00013 | .00000   | .00023   | -.00009  | -.00064 | -.00000 | .00173   | -.00063  |

RUN NO. 17/ 0 RIVL = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | BETA   | CL      | CD      | L/D     | CPB      | CPBM     | CPSC     | CHET    | CHEO    | CHR      | CHET     |
|----------|--------|---------|---------|---------|----------|----------|----------|---------|---------|----------|----------|
| 4.600    | -4.127 | 1.01640 | 1.01017 | 1.00815 | -0.09441 | -0.03222 | -0.04913 | -22.409 | -1.4549 | -0.00750 | -0.36934 |
| 4.600    | -2.045 | 1.02011 | 1.01168 | 1.00833 | -0.09441 | -0.03222 | -0.04913 | -22.538 | -1.4549 | -0.00750 | -0.37207 |
| 4.600    | -1.009 | 1.01962 | 1.01094 | 1.00839 | -0.05441 | -0.04899 | -0.05240 | -22.654 | -1.4549 | .00000   | -0.37207 |
| 4.600    | .020   | 1.02327 | 1.01444 | 1.00871 | -0.05439 | -0.03220 | -0.05238 | -22.940 | -1.4570 | .00000   | -0.37511 |
| 4.600    | 1.011  | 1.02207 | 1.01468 | 1.00728 | -0.03439 | -0.03220 | -0.04911 | -22.940 | -1.4570 | .00000   | -0.37511 |
| 4.600    | 2.066  | 1.02009 | 1.01253 | 1.00747 | -0.03441 | -0.03222 | -0.05240 | -22.907 | -1.4549 | .00000   | -0.37456 |
| 4.600    | 4.132  | 1.01906 | 1.01145 | 1.00749 | -0.03441 | -0.04899 | -0.04913 | -22.907 | -1.4549 | .00750   | -0.37456 |
| 4.600    | 6.191  | 1.01548 | 1.00765 | 1.00776 | -0.03441 | -0.03222 | -0.04913 | -22.654 | -1.4549 | .02250   | -0.37207 |
| GRADIENT |        | .00012  | .00025  | -.00013 | .00000   | .00023   | -.00009  | -.00064 | -.00000 | .00173   | -.00063  |



0A44 UPMT 1035 COMF4 B19C7E23F34R5V7M107X16

(REFABIS) ( 10 JUL 73 )

REFERENCE DATA

XREP = 67.1560 SQ. IN. XMRP = 12.5772 INCHES  
 YREP = 7.1220 INCHES YMRP = .0000 INCHES  
 ZREP = 14.9502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ALUPON = .000 RUDDER = .000  
 BDPLAP = -14.850 SPOBRK = 54.980

RUN NO. 51/ 0 RW/L = 8.50 GRADIENT INTERVAL = -3.00/ 3.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPB     | CPBM    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 2.500 | -4.912   | -16436  | .14899  | -1.23440 | -.14973 | -.15814 | -.14296 |
| 2.500 | -2.762   | -12236  | .13483  | -.90901  | -.14963 | -.16130 | -.15016 |
| 2.500 | -1.668   | -.09231 | .13010  | -.70953  | -.15169 | -.16153 | -.15024 |
| 2.500 | -.661    | -.06194 | .12693  | -.48639  | -.15161 | -.16326 | -.15197 |
| 2.500 | .433     | -.03169 | .12423  | -.23509  | -.15166 | -.16156 | -.15025 |
| 2.500 | 1.440    | -.00122 | .12333  | -.00986  | -.15169 | -.15992 | -.15204 |
| 2.500 | 3.461    | .03501  | .12366  | .44469   | -.15222 | -.16159 | -.15392 |
| 2.500 | 5.817    | .12461  | .12963  | .96119   | -.15967 | -.16326 | -.15729 |
| 2.500 | 7.861    | .19069  | .14031  | 1.35906  | -.16053 | -.16161 | -.15915 |
| 2.500 | 9.673    | .23177  | .13495  | 1.62463  | -.16411 | -.16316 | -.16274 |
| 2.500 | 12.142   | .32099  | .17766  | 1.80471  | -.17109 | -.16959 | -.16799 |
| 2.500 | 16.236   | .44910  | .23990  | 1.90376  | -.17616 | -.17390 | -.17510 |
| 2.500 | 20.334   | .58806  | .32049  | 1.83496  | -.17993 | -.17563 | -.17509 |
| 2.500 | 25.726   | .74625  | .43334  | 1.64979  | -.17966 | -.17906 | -.17655 |
| 2.500 | 31.305   | .90868  | .63477  | 1.43132  | -.17279 | -.17379 | -.16969 |
| 2.500 | 36.719   | 1.04269 | .65436  | 1.22044  | -.17456 | -.17029 | -.16792 |
| 2.500 | 41.679   | 1.14148 | 1.09310 | 1.04236  | -.17635 | -.17032 | -.17149 |
| 2.500 | 44.236   | 1.17077 | 1.20972 | .96760   | -.17636 | -.17393 | -.17150 |
|       | GRADIENT | .02865  | -.00279 | .20545   | -.00059 | -.00042 | -.00107 |



0A44 UPRT 1035 CONF4 818C723P3M4R3V7V107X16

(RPM819) ( 10 JUL 73 )

REFERENCE DATA

MREF = 87.1580 IN. ZMRP = 12.3772 INCHES  
 LREF = 7.1250 INCHES YMRP = .0000 INCHES  
 MREF = 14.0952 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0130 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ALLCON = .000 RUDDER = .000  
 BOFLAP = -14.250 SPOBRK = 94.920

RUN NO. 35/ 0 RIN/L = 2.50 GRADIENT INTERVAL = -5.70/ 9.00

| MACH  | ALPHA    | CL       | CD      | L/D      | CPB     | L/MB    | CPBC    |
|-------|----------|----------|---------|----------|---------|---------|---------|
| 3.900 | -4.473   | -1.13755 | .11905  | -1.19596 | -.07446 | -.06031 | -.07932 |
| 3.900 | -2.359   | -.10012  | .10369  | -.96609  | -.07446 | -.07046 | -.07534 |
| 3.900 | -1.351   | -.06134  | .09997  | -.81446  | -.07446 | -.07297 | -.07532 |
| 3.900 | -.297    | -.04240  | .09597  | -.69019  | -.07446 | -.07297 | -.07532 |
| 3.900 | .732     | -.04319  | .09323  | -.46326  | -.07447 | -.07297 | -.07533 |
| 3.900 | 1.692    | -.02106  | .09190  | -.23015  | -.07446 | -.07352 | -.07534 |
| 3.900 | 3.789    | .02236   | .09092  | .24623   | -.07447 | -.07551 | -.07533 |
| 3.900 | 5.846    | .06371   | .09299  | .70663   | -.07703 | -.07552 | -.07534 |
| 3.900 | 7.992    | .11774   | .10036  | 1.17316  | -.07703 | -.07549 | -.07532 |
| 3.900 | 9.974    | .16660   | .11163  | 1.50947  | -.07703 | -.07905 | -.07790 |
| 3.900 | 12.310   | .23185   | .13196  | 1.76203  | -.07956 | -.07950 | -.07766 |
| 3.900 | 16.231   | .34473   | .17949  | 1.92037  | -.07956 | -.07551 | -.07769 |
| 3.900 | 20.375   | .46649   | .25090  | 1.86224  | -.07957 | -.07551 | -.07769 |
| 3.900 | 25.595   | .62040   | .37334  | 1.66174  | -.07702 | -.07551 | -.07769 |
| 3.900 | 30.863   | .77353   | .53755  | 1.43999  | -.07703 | -.07299 | -.07534 |
| 3.900 | 36.110   | .91432   | .74270  | 1.23106  | -.07702 | -.07299 | -.07799 |
| 3.900 | 41.415   | 1.03273  | .96416  | 1.04935  | -.07701 | -.07296 | -.07532 |
| 3.900 | 45.574   | 1.06699  | 1.06442 | .96364   | -.07446 | -.07044 | -.07277 |
| 3.900 | GRADIENT | .01936   | -.00296 | .17532   | -.00000 | -.00165 | -.00000 |

REPRODUCIBILITY OF THE  
 ORIGINAL PAGE IS POOR



0A44 UPWT 1033 CONF4 B19C7E23F5H4R5V7M107X16

(RPNB16) ( 10 JUL 73 )

REFERENCE DATA

SREF = 97.1580 SQ.IN. XHRP = 12.5772 INCHES  
 LREF = 7.1220 INCHES YHRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZHRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AILRON = .000 RUDDER = .000  
 SDPLAP = -14.230 SPDGRK = 34.920

RUN NO. 55/ 0 RM/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPB     | CPBM    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 4.000 | -4.004   | -.12261 | .10785  | -1.13674 | -.05241 | -.01607 | -.03355 |
| 4.000 | -1.963   | -.06680 | .09660  | -.91930  | -.05241 | -.03425 | -.03355 |
| 4.000 | -.934    | -.07136 | .09199  | -.77616  | -.05241 | -.04072 | -.03355 |
| 4.000 | .071     | -.05419 | .08637  | -.61322  | -.05241 | -.04720 | -.03355 |
| 4.000 | 1.103    | -.03295 | .08343  | -.36373  | -.05241 | -.04720 | -.03355 |
| 4.000 | 2.053    | -.01542 | .08397  | -.16362  | -.05241 | -.03044 | -.03355 |
| 4.000 | 4.122    | .02263  | .08262  | .27390   | -.05567 | -.04720 | -.03355 |
| 4.000 | 6.173    | .06611  | .08451  | .60394   | -.05567 | -.04720 | -.03355 |
| 4.000 | 6.309    | .11661  | .09170  | 1.27372  | -.05567 | -.04720 | -.03355 |
| 4.000 | 10.291   | .16131  | .10146  | 1.59167  | -.05567 | -.04720 | -.03662 |
| 4.000 | 12.595   | .21768  | .11963  | 1.82127  | -.05567 | -.03367 | -.03662 |
| 4.000 | 16.478   | .33239  | .16646  | 1.97406  | -.05567 | -.03367 | -.03662 |
| 4.000 | 20.363   | .45421  | .23966  | 1.69323  | -.05565 | -.03365 | -.03355 |
| 4.000 | 25.050   | .60200  | .35129  | 1.66625  | -.05565 | -.05044 | -.03662 |
| 4.000 | 30.995   | .74625  | .51726  | 1.44265  | -.05565 | -.03365 | -.03662 |
| 4.000 | 36.203   | .86261  | .71671  | 1.23147  | -.05567 | -.05367 | -.03355 |
| 4.000 | 41.361   | .99398  | .94402  | 1.05292  | -.05567 | -.05044 | -.03355 |
| 4.000 | 43.488   | 1.02372 | 1.03696 | .96916   | -.05241 | -.05044 | -.03027 |
|       | GRADIENT | .01801  | -.00312 | .17637   | -.00031 | -.00365 | -.05000 |



Q444 UNIT 1035 COMP4 B18C7E23F5M4R8V7W107X10

(RPN080) ( 10 JUL 73 )

REFERENCE DATA

BRFP = 97.1960 90.1IN. YMRP = 12.5772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRFP = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .0000 ELEVTR = -44.0000  
 AIRDRN = .0000 RUDDER = .0000  
 BOPLAP = -14.250 SPOBRK = 94.950

RUN NO. 54/ 0 RW/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPL     | CPM     | CPS     |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 2.500 | -5.050   | -.29590 | .19907  | -1.48640 | -.14673 | -.16019 | -.14173 |
| 2.500 | -2.068   | -.22633 | .17688  | -1.27932 | -.15202 | -.15643 | -.14704 |
| 2.500 | -1.035   | -.19304 | .16096  | -1.14249 | -.13360 | -.16022 | -.15060 |
| 2.500 | -.760    | -.18744 | .16755  | -.99937  | -.13195 | -.16669 | -.14344 |
| 2.500 | -.356    | -.13421 | .16076  | -.83463  | -.13540 | -.16708 | -.14689 |
| 2.500 | 1.299    | -.10026 | .15406  | -.65070  | -.13545 | -.16337 | -.15046 |
| 2.500 | 3.439    | -.03091 | .14354  | -.21534  | -.13546 | -.16013 | -.15226 |
| 2.500 | 5.554    | .03307  | .14134  | .23367   | -.13717 | -.16663 | -.15043 |
| 2.500 | 7.757    | .09671  | .14691  | .67193   | -.13536 | -.16704 | -.15215 |
| 2.500 | 9.773    | .16194  | .15962  | 1.01323  | -.16416 | -.17376 | -.16099 |
| 2.500 | 12.190   | .23449  | .17914  | 1.30696  | -.16772 | -.17932 | -.16634 |
| 2.500 | 16.205   | .36716  | .22492  | 1.63240  | -.17130 | -.17412 | -.17170 |
| 2.500 | 20.485   | .50096  | .29846  | 1.87649  | -.17630 | -.18108 | -.17519 |
| 2.500 | 25.616   | .64422  | .42331  | 1.96913  | -.18167 | -.18637 | -.18231 |
| 2.500 | 31.176   | .80694  | .56268  | 1.56440  | -.18164 | -.17934 | -.18031 |
| 2.500 | 36.490   | .93192  | .77666  | 1.19959  | -.18067 | -.18459 | -.17673 |
| 2.500 | 41.999   | 1.03449 | 1.01132 | 1.02291  | -.17659 | -.18461 | -.17523 |
| 2.500 | 44.086   | 1.03909 | 1.10365 | .95962   | -.17656 | -.19460 | -.17344 |
| 2.500 | GRADIENT | .03060  | -.00319 | .16790   | -.00058 | -.00333 | -.00074 |

OA44 UPWT 1035 COMP4 819C7E23F344N574107116

(RPN820) ( 10 JUL 75 )

REFERENCE DATA

WREF = 87.1560 SQ. IN. XMRP = 12.9772 INCHES  
 WREF = 7.1220 INCHES YMRP = .0000 INCHES  
 WREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -44.000  
 AIRLON = .000 RUDDER = .000  
 BDFLAP = -14.250 SPOBRK = 54.920

RUN NO. 55/ 0 RN/L = 8.50 GRADIENT INTERVAL = -5.00/ 3.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPB     | CPBM    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 3.900 | -4.531   | -.21164 | .15294  | -1.36511 | -.07222 | -.06324 | -.07302 |
| 3.900 | -2.412   | -.17037 | .13549  | -1.23741 | -.07221 | -.05616 | -.07537 |
| 3.900 | -1.410   | -.14920 | .12762  | -1.16723 | -.07220 | -.06322 | -.07556 |
| 3.900 | -.344    | -.12356 | .12186  | -1.02631 | -.07220 | -.06374 | -.07556 |
| 3.900 | .678     | -.10349 | .11603  | -.89197  | -.07220 | -.06926 | -.07556 |
| 3.900 | 1.686    | -.08170 | .11146  | -.73296  | -.07220 | -.06068 | -.07612 |
| 3.900 | 3.717    | -.03572 | .10629  | -.33604  | -.07475 | -.06321 | -.07556 |
| 3.900 | 5.791    | .01322  | .10495  | .12598   | -.07475 | -.06321 | -.07612 |
| 3.900 | 7.973    | .06764  | .10943  | .61806   | -.07729 | -.06321 | -.08068 |
| 3.900 | 9.950    | .11300  | .11636  | .95448   | -.07729 | -.07080 | -.08068 |
| 3.900 | 12.263   | .17048  | .13327  | 1.27924  | -.07729 | -.07840 | -.08323 |
| 3.900 | 16.216   | .26437  | .17422  | 1.63222  | -.07984 | -.07840 | -.08068 |
| 3.900 | 20.356   | .40238  | .23645  | 1.70173  | -.07984 | -.07840 | -.08068 |
| 3.900 | 25.599   | .55079  | .34930  | 1.57687  | -.07984 | -.06094 | -.08068 |
| 3.900 | 30.845   | .69353  | .49677  | 1.39608  | -.07984 | -.06094 | -.08068 |
| 3.900 | 36.076   | .82558  | .68390  | 1.20715  | -.07730 | -.07840 | -.08068 |
| 3.900 | 41.373   | .93491  | .90303  | 1.03331  | -.07474 | -.07367 | -.07556 |
| 3.900 | 43.463   | .96732  | .99349  | .97366   | -.06963 | -.07367 | -.07300 |
|       | GRADIENT | .02143  | -.00370 | .12732   | -.00023 | -.00023 | -.00023 |



0444 UPM1 1035 CONF4 B10CTE23F2M4R23V107216

( 10 JUL 73 )

REFERENCE DATA

WRD# = 07.1360 SA.1M. XMRP = 12.3772 INCHES  
 LWRD# = 7.1220 INCHES YMRP = .0000 INCHES  
 SWRD# = 14.0302 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0190 SCALE

RUN NO. 56/ 0 RM/L = 2.50 GRADIENT INTERVAL = -1.00/ 1.00

PARAMETRIC DATA

BETA = .000 ELEVTR = -44.000  
 AILTRON = .000 RUDDER = .000  
 BOPLAP = -14.230 SPOBRK = 14.920

| MACH  | ALPHA    | CL      | CD      | L/D      | CPM     | CPHM    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 4.000 | -4.113   | -20368  | .14950  | -1.34490 | -.04933 | -.04446 | -.03366 |
| 4.000 | -1.994   | -1.6039 | .12966  | -1.23455 | -.04933 | -.04122 | -.03366 |
| 4.000 | -.994    | -1.1340 | .12100  | -1.12722 | -.03261 | -.04126 | -.03366 |
| 4.000 | .063     | -1.1609 | .11402  | -1.01619 | -.03279 | -.04446 | -.03366 |
| 4.000 | 1.060    | -.09169 | .10633  | -.84824  | -.03279 | -.04769 | -.03366 |
| 4.000 | 2.024    | -.07434 | .10474  | -.70974  | -.04933 | -.04769 | -.03366 |
| 4.000 | 4.096    | -.02937 | .09671  | -.29936  | -.03279 | -.04769 | -.03366 |
| 4.000 | 6.141    | .01932  | .09702  | .19909   | -.03279 | -.04446 | -.03366 |
| 4.000 | 8.313    | .06774  | .10015  | .67636   | -.03279 | -.04446 | -.03366 |
| 4.000 | 10.243   | .11610  | .10816  | 1.07313  | -.03279 | -.03092 | -.03713 |
| 4.000 | 12.373   | .16920  | .12179  | 1.36934  | -.03277 | -.03414 | -.03712 |
| 4.000 | 16.464   | .26112  | .16433  | 1.71076  | -.03603 | -.03414 | -.03712 |
| 4.000 | 20.370   | .39932  | .22666  | 1.74467  | -.03604 | -.03416 | -.06040 |
| 4.000 | 25.754   | .53607  | .33749  | 1.59431  | -.03603 | -.03414 | -.03712 |
| 4.000 | 30.936   | .67699  | .46242  | 1.40333  | -.03804 | -.03416 | -.06040 |
| 4.000 | 36.183   | .80442  | .66663  | 1.20666  | -.03277 | -.03414 | -.03712 |
| 4.000 | 41.327   | .90344  | .87194  | 1.03642  | -.03277 | -.03736 | -.03366 |
| 4.000 | 43.463   | .93974  | .96269  | .97393   | -.04933 | -.03414 | -.03037 |
|       | GRADIENT | .02129  | -.00617 | .13024   | -.00031 | -.00031 | .00000  |

0446 UPRF 1033 CONF4 819CTEZF8W4R817W107116

(RPNB21) ( 10 JUL 73 )

REFERENCE DATA

WREF = 07.1500 30.1N. ZMRP = 12.5772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0902 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = 11.000  
 AIRON = .000 RUDDER = .000  
 BDFLAP = 13.750 SPOBRK = 54.920

RUN NO. 57/ 0 RW/L = 2.90 GRADIENT INTERVAL = -9.00/ 9.00

| MACH  | ALPHA    | CL      | CS      | L/D     | CPB     | CPBH    | CPSC    |
|-------|----------|---------|---------|---------|---------|---------|---------|
| 2.900 | -4.834   | -.13102 | .14730  | -.00007 | -.13561 | -.17773 | -.15243 |
| 2.900 | -2.882   | -.08731 | .13805  | -.48755 | -.13750 | -.17782 | -.15433 |
| 2.900 | -1.734   | -.03919 | .13381  | -.20900 | -.13769 | -.17796 | -.15433 |
| 2.900 | -.630    | -.00734 | .13389  | -.03490 | -.13792 | -.17809 | -.15433 |
| 2.900 | .507     | .02236  | .13236  | .16565  | -.13567 | -.17253 | -.15249 |
| 2.900 | 1.406    | .05097  | .13326  | .36230  | -.13359 | -.17072 | -.15240 |
| 2.900 | 3.530    | .11379  | .13746  | .82781  | -.13560 | -.17073 | -.15418 |
| 2.900 | 5.619    | .17897  | .14656  | 1.20748 | -.13903 | -.17260 | -.13385 |
| 2.900 | 7.902    | .25049  | .16219  | 1.54441 | -.13067 | -.16696 | -.15947 |
| 2.900 | 9.880    | .31040  | .17937  | 1.75050 | -.12661 | -.16343 | -.15946 |
| 2.900 | 12.259   | .36498  | .20592  | 1.84270 | -.10989 | -.16699 | -.16303 |
| 2.900 | 16.290   | .51967  | .27810  | 1.96963 | -.17672 | -.17771 | -.17336 |
| 2.900 | 20.741   | .86803  | .37904  | 1.78243 | -.17492 | -.17419 | -.17181 |
| 2.900 | 26.132   | 1.4078  | .54037  | 1.55336 | -.17833 | -.16110 | -.17348 |
| 2.900 | 31.293   | .99103  | .73105  | 1.33563 | -.17314 | -.17942 | -.16526 |
| 2.900 | 36.669   | 1.11603 | .96618  | 1.13394 | -.17859 | -.16132 | -.17374 |
| 2.900 | 42.068   | 1.22434 | 1.24844 | .90069  | -.19366 | -.16860 | -.18261 |
| 2.900 | 44.307   | 1.26132 | 1.37753 | .91384  | -.18732 | -.19179 | -.16427 |
| 2.900 | GRADIENT | .02904  | -.00119 | .20907  | .00013  | .00104  | -.00002 |



0464 UPWT 1033 COMP4 818CTE2SF3MR8V74107X10

(RPM821) ( 10 JUL 73 )

REFERENCE DATA

BREF = 07.1500 50.1IN. ZMRP = 12.3772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0302 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = 11.000  
 ALPHA = .000 FLUDDR = .000  
 BDRPLA = 13.750 SPODRK = 34.920

RUN NO. 94/0 RW/L = 8.50 GRADIENT INTERVAL = -8.00/ 9.00

| MACH  | ALPHA    | C       | CD      | L/D      | CPX     | CPYH    | CPXC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 3.000 | -4.316   | -.12667 | .11700  | -1.08868 | -.07900 | -.04487 | -.07900 |
| 3.000 | -8.587   | -.06676 | .10433  | -.01083  | -.07900 | -.07900 | -.07900 |
| 3.000 | -1.356   | -.04761 | .10877  | -.09904  | -.07900 | -.08744 | -.07784 |
| 3.000 | -.304    | -.04837 | .09966  | -.48817  | -.07900 | -.07833 | -.07766 |
| 3.000 | .083     | -.02067 | .09760  | -.87376  | -.07900 | -.07833 | -.07726 |
| 3.000 | 1.755    | -.00906 | .09472  | -.03264  | -.07900 | -.07833 | -.07756 |
| 3.000 | 3.834    | .04009  | .09000  | .40910   | -.07900 | -.07900 | -.07900 |
| 3.000 | 5.907    | .09110  | .10701  | .86443   | -.07900 | -.07900 | -.07900 |
| 3.000 | 6.080    | .14480  | .11296  | 1.27649  | -.07900 | -.07900 | -.07900 |
| 3.000 | 10.067   | .19967  | .12770  | 1.56364  | -.07900 | -.07756 | -.07900 |
| 3.000 | 12.277   | .26207  | .14913  | 1.75732  | -.08134 | -.07756 | -.08237 |
| 3.000 | 16.276   | .36336  | .20632  | 1.05610  | -.08134 | -.07756 | -.07900 |
| 3.000 | 20.322   | .51566  | .29444  | 1.79446  | -.07900 | -.07900 | -.07754 |
| 3.000 | 25.668   | .66509  | .43472  | 1.37594  | -.07900 | -.07531 | -.07754 |
| 3.000 | 30.798   | .84389  | .61759  | 1.36609  | -.07900 | -.07531 | -.07900 |
| 3.000 | 34.405   | .99120  | .83673  | 1.13424  | -.07900 | -.07531 | -.07727 |
| 3.000 | 41.477   | 1.09944 | 1.11144 | .99920   | -.07900 | -.07531 | -.07727 |
| 3.000 | 43.633   | 1.13432 | 1.22464 | .92824   | -.07900 | -.07531 | -.07727 |
| 3.000 | GRADIENT | .02001  | -.00231 | .18076   | -.00000 | -.00390 | .00012  |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

Q444 UPMT 1035 CONF4 819C7E2F3MUR3VM107X18

(RPM821) ( 10 JUL 73 )

REFERENCE DATA

BREF = 97.1560 SQ.IN. XMRP = 12.5772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRFP = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA .000 ELEVTR = 11.000  
 AILRON = .000 RUDDER = .000  
 BDPLAP = 13.750 SPDBRK = 94.920

RUN NO. 59/ 0 RM/L = 2.50 GRADIENT INTERVAL = -.500/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPB     | CPBM    | CPSB    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 4.600 | -4.096   | -1.1523 | .10960  | -1.04943 | -.03625 | -.01768 | -.01606 |
| 4.600 | -1.962   | -.07769 | .09950  | -.76281  | -.03625 | -.02413 | -.03932 |
| 4.600 | -1.034   | -.06065 | .09369  | -.63376  | -.03625 | -.03704 | -.05606 |
| 4.600 | .067     | -.03979 | .09277  | -.43097  | -.03625 | -.04026 | -.05606 |
| 4.600 | 1.080    | -.01692 | .09021  | -.20979  | -.03625 | -.04026 | -.05606 |
| 4.600 | 2.097    | .00221  | .08986  | .02454   | -.03624 | -.04022 | -.05605 |
| 4.600 | 4.179    | .04802  | .09026  | .30977   | -.03624 | -.04666 | -.05931 |
| 4.600 | 6.107    | .08646  | .09331  | .92662   | -.03624 | -.04666 | -.05605 |
| 4.600 | 8.376    | .14046  | .10319  | 1.36121  | -.03674 | -.04022 | -.05931 |
| 4.600 | 10.114   | .18375  | .11362  | 1.61429  | -.03625 | -.04671 | -.05606 |
| 4.600 | 12.516   | .24996  | .13705  | 1.82384  | -.03624 | -.04991 | -.05931 |
| 4.600 | 16.477   | .37235  | .19384  | 1.92092  | -.03624 | -.04991 | -.05605 |
| 4.600 | 20.636   | .50421  | .27912  | 1.80643  | -.03621 | -.04662 | -.05601 |
| 4.600 | 25.777   | .66500  | .41944  | 1.56546  | -.03622 | -.04989 | -.05503 |
| 4.600 | 30.948   | .81775  | .59600  | 1.36746  | -.03624 | -.04991 | -.05605 |
| 4.600 | 36.486   | .96167  | .83459  | 1.15226  | -.03624 | -.04991 | -.05931 |
| 4.600 | 41.331   | 1.05622 | 1.06248 | .99411   | -.03624 | -.04991 | -.05605 |
| 4.600 | 43.535   | 1.08643 | 1.16867 | .92947   | -.03624 | -.04991 | -.05931 |
| 4.600 | GRADIENT | .01954  | -.00237 | .19091   | .00000  | -.00349 | -.00015 |



0A44 JPM1 1035 CONF4 B19C7E23F5M0R5V7M107X16

(RPM8E2) ( 10 JUL 75 )

REFERENCE DATA

BRP = 87.1580 90. IN. XMRP = 12.3772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRP = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0130 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ALLRON = .000 RUDDER = .000  
 BDFLAP = 13.750 SPBRK = 54.920

RUN NO. 60V 0 RIVL = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | CL       | CD      | L/D      | CPB     | CPBM    | CPSC    |
|-------|----------|----------|---------|----------|---------|---------|---------|
| 2.500 | -4.985   | -1.17427 | .14826  | -1.17540 | -.15177 | -.16332 | -.14853 |
| 2.500 | -2.761   | -1.10696 | .13595  | -.76728  | -.15341 | -.16516 | -.15193 |
| 2.500 | -1.732   | -.07673  | .13186  | -.58290  | -.15348 | -.16523 | -.15201 |
| 2.500 | -.661    | -.04659  | .12849  | -.38250  | -.15175 | -.16350 | -.15027 |
| 2.500 | .423     | -.01649  | .12613  | -.13073  | -.14995 | -.16171 | -.15023 |
| 2.500 | 1.365    | .01200   | .12537  | .09559   | -.15177 | -.16002 | -.15029 |
| 2.500 | 3.493    | .07394   | .12713  | .58161   | -.15355 | -.16003 | -.15208 |
| 2.500 | 5.986    | .13367   | .13310  | 1.02081  | -.15354 | -.16177 | -.15383 |
| 2.500 | 7.617    | .20307   | .14535  | 1.41087  | -.15666 | -.16161 | -.15741 |
| 2.500 | 9.916    | .27197   | .16138  | 1.69535  | -.15863 | -.16003 | -.15736 |
| 2.500 | 12.232   | .34203   | .18682  | 1.83084  | -.16938 | -.16927 | -.16620 |
| 2.500 | 16.267   | .47105   | .24675  | 1.69369  | -.16172 | -.17578 | -.17859 |
| 2.500 | 20.495   | .60828   | .33637  | 1.60731  | -.16325 | -.18454 | -.18037 |
| 2.500 | 25.616   | .77774   | .46171  | 1.61452  | -.16077 | -.18628 | -.18743 |
| 2.500 | 31.232   | .93049   | .62335  | 1.40442  | -.16172 | -.17378 | -.17329 |
| 2.500 | 36.646   | 1.06804  | .86962  | 1.19831  | -.17995 | -.17032 | -.16974 |
| 2.500 | 42.059   | 1.16498  | 1.14798 | 1.01481  | -.16326 | -.18455 | -.17508 |
| 2.500 | 44.231   | 1.19286  | 1.23794 | .94811   | -.18321 | -.18449 | -.17501 |
|       | GRADIENT | .02916   | -.00232 | .20878   | -.00001 | .00062  | -.00021 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



CA44 UPWT 1088 COMP4 B19C7028ZF SHAR SV7M407X16

(RPNB88) ( 10 JUL 73 )

REFERENCE DATA

XMRP = 07.1580 SQ.IN. XMRP = 12.5772 INCHES  
 YMRP = 7.1220 INCHES YMRP = .0000 INCHES  
 ZMRP = 14.0502 INCHES ZMRP = 0.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ALURON = .000 RUDDER = .000  
 BOFLAP = 13.750 SPOBRK = 34.920

RUN NO. 61/ 0 RM/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPB     | CPBH    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 3.900 | -4.470   | -13514  | .11804  | -1.16437 | -.07706 | -.04281 | -.07328 |
| 3.900 | -2.339   | -.09512 | .10433  | -.90999  | -.07705 | -.08611 | -.07326 |
| 3.900 | -1.343   | -.07612 | .10029  | -.75896  | -.07706 | -.07572 | -.07327 |
| 3.900 | -.305    | -.03724 | .09694  | -.59048  | -.07705 | -.07624 | -.07326 |
| 3.900 | .725     | -.03528 | .09426  | -.37423  | -.07706 | -.07825 | -.07327 |
| 3.900 | 1.715    | -.01602 | .09293  | -.17236  | -.07705 | -.07624 | -.07763 |
| 3.900 | 3.768    | .02729  | .09250  | .29501   | -.07705 | -.08078 | -.07783 |
| 3.900 | 5.830    | .07567  | .09363  | .77037   | -.07960 | -.09077 | -.07782 |
| 3.900 | 6.002    | .12619  | .10413  | 1.23108  | -.07960 | -.09077 | -.07782 |
| 3.900 | 9.982    | .17911  | .11641  | 1.53870  | -.07961 | -.08078 | -.08039 |
| 3.900 | 12.268   | .23901  | .13377  | 1.76039  | -.07961 | -.08078 | -.08039 |
| 3.900 | 16.223   | .33651  | .18723  | 1.90408  | -.08215 | -.08331 | -.08039 |
| 3.900 | 20.370   | .46547  | .26426  | 1.83706  | -.08215 | -.08077 | -.08039 |
| 3.900 | 25.567   | .64235  | .39280  | 1.03332  | -.08215 | -.08078 | -.08039 |
| 3.900 | 30.665   | .80101  | .56724  | 1.41210  | -.08215 | -.07825 | -.08039 |
| 3.900 | 36.165   | .94436  | .78368  | 1.20503  | -.07960 | -.07825 | -.07783 |
| 3.900 | 41.410   | 1.06025 | 1.03028 | 1.02909  | -.07705 | -.07571 | -.07327 |
| 3.900 | 43.564   | 1.09532 | 1.13749 | .96292   | -.07705 | -.07571 | -.07327 |
|       | GRADIENT | .01968  | -.00287 | .17833   | .00000  | -.00407 | -.00035 |



0A44 UPM1 1035 CONF4 819CTE23P34R3V7V107X16

(RPM822) ( 10 JUL 73 )

REFERENCE DATA

MRP = 87.1900 SQ. IN. XMRP = 12.3772 INCHES  
 LREF = 7.1250 INCHES YMRP = .0000 INCHES  
 BREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ALLCON = .000 RUDDER = .000  
 BDF.AP = 13.750 SPOBRK = 34.920

RUN NO. 62/ 0 RVL = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | LD       | CPB     | CPBM    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 4.600 | -4.071   | -.12713 | .10997  | -1.15611 | -.03571 | -.03772 | -.03346 |
| 4.600 | -1.961   | -.06970 | .09090  | -.91069  | -.03569 | -.03767 | -.03672 |
| 4.600 | -.987    | -.07237 | .09364  | -.77121  | -.03571 | -.04420 | -.03674 |
| 4.600 | .064     | -.03124 | .06964  | -.57167  | -.03571 | -.03069 | -.03674 |
| 4.600 | 1.105    | -.03366 | .06716  | -.36836  | -.03571 | -.03069 | -.03346 |
| 4.600 | 2.060    | -.01230 | .06566  | -.14330  | -.03571 | -.03069 | -.03346 |
| 4.600 | 4.111    | .02550  | .06470  | .30106   | -.03571 | -.03069 | -.03346 |
| 4.600 | 6.141    | .06721  | .06666  | .77373   | -.03571 | -.04744 | -.03674 |
| 4.600 | 8.305    | .11961  | .09446  | 1.26390  | -.03571 | -.04744 | -.03674 |
| 4.600 | 10.306   | .16767  | .10577  | 1.56314  | -.03697 | -.03069 | -.06001 |
| 4.600 | 12.562   | .22398  | .12422  | 1.60307  | -.03697 | -.03069 | -.06001 |
| 4.600 | 16.473   | .34171  | .17521  | 1.93029  | -.03697 | -.03393 | -.03674 |
| 4.600 | 20.369   | .46910  | .23236  | 1.63672  | -.03696 | -.03391 | -.03672 |
| 4.600 | 23.747   | .62613  | .30191  | 1.63947  | -.03696 | -.03391 | -.03672 |
| 4.600 | 31.006   | .77868  | .33114  | 1.41323  | -.03697 | -.03393 | -.03674 |
| 4.600 | 36.226   | .91540  | .76017  | 1.20421  | -.03697 | -.03393 | -.03674 |
| 4.600 | 41.429   | 1.02611 | .99793  | 1.02623  | -.03569 | -.03391 | -.03344 |
| 4.600 | 43.345   | 1.05251 | 1.05129 | .96446   | -.03571 | -.03069 | -.03346 |
| 4.600 | GRADIENT | .01676  | -.00312 | .16060   | -.00000 | -.00197 | .00022  |

0A44 UPWT 1035 COMFA 619C7E23F5M4R3V7M107X16

(RPN023) ( 10 JUL 73 )

REFERENCE DATA

MREF = 67.1560 90.1 IN. XMRP = 12.5772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AIRLON = .000 RUDDER = .000  
 BDFLAP = .000 SPDBRK = 54.920

RUN NO. 63/ 0 RM/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA  | CL       | CD      | L/D      | CPB      | CPBM     | CPSC     |
|-------|--------|----------|---------|----------|----------|----------|----------|
| 2.500 | -4.941 | -1.17971 | .14603  | -1.23065 | -1.14752 | -1.15752 | -1.14251 |
| 2.500 | -2.778 | -1.18116 | .13404  | -.86156  | -.15108  | -.16108  | -.14808  |
| 2.500 | -1.728 | -.08394  | .12969  | -.68264  | -.15281  | -.16278  | -.14762  |
| 2.500 | -.655  | -.05371  | .12642  | -.44088  | -.15284  | -.16280  | -.14785  |
| 2.500 | .407   | -.02980  | .12390  | -.20864  | -.15112  | -.16109  | -.14813  |
| 2.500 | 1.422  | .00479   | .12285  | .03996   | -.15104  | -.15927  | -.14780  |
| 2.500 | 3.489  | .06904   | .12367  | .52304   | -.15111  | -.15736  | -.14964  |
| 2.500 | 5.640  | .12705   | .12684  | .96812   | -.15104  | -.15377  | -.14958  |
| 2.500 | 7.836  | .19477   | .13960  | 1.39523  | -.15461  | -.15561  | -.15139  |
| 2.500 | 9.866  | .25955   | .15467  | 1.67594  | -.15969  | -.15756  | -.15492  |
| 2.500 | 12.236 | .33139   | .17949  | 1.84629  | -.16694  | -.16262  | -.16201  |
| 2.500 | 16.246 | .41701   | .23646  | 1.91632  | -.17924  | -.17329  | -.17433  |
| 2.500 | 20.498 | .59360   | .32303  | 1.63750  | -.16451  | -.17632  | -.17787  |
| 2.500 | 25.853 | .76235   | .46416  | 1.64242  | -.16634  | -.18035  | -.18146  |
| 2.500 | 31.270 | .92043   | .64436  | 1.42639  | -.17372  | -.17634  | -.16903  |
| 2.500 | 36.597 | 1.05062  | .86019  | 1.22136  | -.17755  | -.17162  | -.16560  |
| 2.500 | 42.011 | 1.15447  | 1.11594 | 1.03453  | -.17927  | -.17332  | -.16908  |
| 2.500 | 44.219 | 1.18224  | 1.22462 | .96540   | -.17924  | -.17304  | -.16904  |
| 2.500 | .02904 | .02904   | -.00265 | .21041   | -.00029  | .00011   | -.00069  |



0A44 UPWT 1035 CONF4 B19C7E23P5M4M5V7M107X16

(RPM023) ( 10 JUL 73 )

REFERENCE DATA

BREP = 07.1500 90.1N. XMRP = 12.5772 INCHES  
 LREP = 7.1220 INCHES YMRP = .0000 INCHES  
 SREP = 14.0502 INCHES ZMRP = 0.0000 INCHES  
 SCALE = .0150 SCALE

BETA = .000 ELEVTR = .000  
 ALLURON = .000 RUDDER = .000  
 BOPLAP = .000 SPOBRK = 94.920

PARAMETRIC DATA

RUN NO. 64/ 0 RM/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH     | ALPHA  | CL       | CD      | L/D      | CP0     | CP0M    | CPSC    |
|----------|--------|----------|---------|----------|---------|---------|---------|
| 3.900    | -4.481 | -1.13780 | .11439  | -1.20487 | -.07804 | -.04430 | -.07428 |
| 3.900    | -2.365 | -.09764  | .10284  | -.95134  | -.07804 | -.08454 | -.07428 |
| 3.900    | -1.336 | -.08167  | .09642  | -.82977  | -.07804 | -.07213 | -.07427 |
| 3.900    | -.287  | -.05962  | .09492  | -.65021  | -.07804 | -.07466 | -.07171 |
| 3.900    | .723   | -.04066  | .09241  | -.44003  | -.07804 | -.07466 | -.07171 |
| 3.900    | 1.703  | -.01840  | .09063  | -.20262  | -.07804 | -.07466 | -.07172 |
| 3.900    | 3.738  | .02204   | .09003  | .24482   | -.07804 | -.07466 | -.07172 |
| 3.900    | 5.814  | .06952   | .09255  | .74042   | -.07899 | -.07720 | -.07428 |
| 3.900    | 7.991  | .12037   | .09974  | 1.20680  | -.07899 | -.07719 | -.07427 |
| 3.900    | 9.990  | .18875   | .11090  | 1.52184  | -.07899 | -.07720 | -.07893 |
| 3.900    | 12.288 | .25137   | .13003  | 1.77907  | -.06113 | -.07719 | -.07883 |
| 3.900    | 16.243 | .34015   | .17694  | 1.92241  | -.06113 | -.07719 | -.07939 |
| 3.900    | 20.367 | .46870   | .24972  | 1.86891  | -.06114 | -.07720 | -.07853 |
| 3.900    | 25.567 | .62331   | .37466  | 1.66366  | -.09113 | -.07719 | -.07939 |
| 3.900    | 30.633 | .78285   | .54348  | 1.44044  | -.06113 | -.07466 | -.07853 |
| 3.900    | 36.163 | .92325   | .73333  | 1.22822  | -.07899 | -.07719 | -.07427 |
| 3.900    | 41.446 | 1.04200  | .99362  | 1.04638  | -.07899 | -.07214 | -.07428 |
| 3.900    | 43.561 | 1.07376  | 1.09891 | .96072   | -.07804 | -.07213 | -.06916 |
| GRADIENT | .01943 | -.00296  | .17780  | .00000   | .00000  | -.00337 | .00042  |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

OA44 UPM1 1035 CONF4 B19CTE2E3F9M43V7M107X16

(RPNB23) ( 10 JUL 73 )

REFERENCE DATA

MREF = 87.1580 90.1N. XMRP = 12.9772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

RUN NO. 65/ 0 RM/L = 2.50 GRADIENT INTERVAL = -3.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 AIRCON = .000 RUDDER = .000  
 BDFLAP = .000 SPDBRK = 54.920

| MACH  | ALPHA    | CL      | CD      | L/D      | CPB     | CPBM    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 4.800 | -4.070   | -.13018 | .10861  | -1.19894 | -.03444 | -.01708 | -.04897 |
| 4.800 | -1.987   | -.09272 | .09889  | -.95892  | -.05443 | -.02995 | -.04894 |
| 4.800 | -.993    | -.07542 | .09280  | -.81448  | -.03443 | -.04290 | -.03221 |
| 4.800 | .071     | -.05433 | .08636  | -.61492  | -.05443 | -.04613 | -.04894 |
| 4.800 | 1.114    | -.03704 | .06550  | -.43316  | -.05441 | -.04610 | -.04891 |
| 4.800 | 2.090    | -.01935 | .06421  | -.22982  | -.05441 | -.04934 | -.04891 |
| 4.800 | 4.110    | .01964  | .06269  | .22540   | -.05441 | -.04934 | -.03219 |
| 4.800 | 6.153    | .06429  | .06446  | .76119   | -.05767 | -.04296 | -.03219 |
| 4.800 | 8.305    | .11301  | .09136  | 1.23696  | -.05441 | -.04286 | -.03219 |
| 4.800 | 10.327   | .16132  | .10191  | 1.90267  | -.05767 | -.04610 | -.03219 |
| 4.800 | 12.375   | .21714  | .11949  | 1.81719  | -.05767 | -.04934 | -.03219 |
| 4.800 | 16.461   | .32715  | .16533  | 1.97872  | -.05767 | -.05258 | -.03546 |
| 4.800 | 20.569   | .45063  | .23824  | 1.89152  | -.05767 | -.05258 | -.03219 |
| 4.800 | 25.765   | .60265  | .36169  | 1.65624  | -.05767 | -.05258 | -.03546 |
| 4.800 | 30.993   | .75359  | .52373  | 1.43889  | -.05767 | -.05258 | -.03546 |
| 4.800 | 36.189   | .89156  | .72598  | 1.22809  | -.05767 | -.05258 | -.03219 |
| 4.800 | 41.388   | 1.00310 | .95579  | 1.04949  | -.05441 | -.04934 | -.04891 |
| 4.800 | 43.510   | 1.03466 | 1.05191 | .98474   | -.05441 | -.04934 | -.04891 |
| 4.800 | GRADIENT | .01821  | -.00319 | .17554   | .00000  | -.00400 | -.00022 |



02:44 UPR1 1033 CONF4 B19CT08P/0444/074107416

(RPNB84) ( 10 JUL 75 )

REFERENCE DATA

ORFP = 87.1580 80.1N. YMRP = 12.8172 INCHES  
 LARF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRFP = 14.0302 INCHES ZMRP = 8.0000 INCHES  
 SCALE = .0180 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -24.000  
 AIRCON = .000 RUDDER = .000  
 BDPLAP = -14.230 SPDRBK = 34.920

RUN NO. 66/ 0 RW/L = 2.30 GRADIENT INTERVAL = -9.00/ 8.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPB      | CPBC    |
|-------|----------|---------|---------|----------|----------|---------|
| 2.500 | -4.909   | -236.6  | .17416  | -1.47088 | -.13423  | -.13180 |
| 2.500 | -2.811   | -18603  | .15825  | -1.20355 | -.14310  | -.13908 |
| 2.500 | -1.777   | -13853  | .14950  | -1.06040 | -.14299  | -.13797 |
| 2.500 | -.722    | -12465  | .14332  | -.88971  | -.14474  | -.13973 |
| 2.500 | .369     | -.09476 | .13848  | -.68442  | -.14474  | -.13795 |
| 2.500 | 1.355    | -.06241 | .13483  | -.48269  | -.14474  | -.13973 |
| 2.500 | 3.471    | -.00030 | .13051  | -.00227  | -.14474  | -.14150 |
| 2.500 | 5.583    | .06189  | .13130  | .47133   | -.14663  | -.14340 |
| 2.500 | 7.795    | .12776  | .13817  | .92464   | -.14845  | -.14699 |
| 2.500 | 9.859    | .19355  | .15013  | 1.26928  | -.14140  | -.13992 |
| 2.500 | 12.189   | .26473  | .17094  | 1.54863  | -.15193  | -.15226 |
| 2.500 | 16.230   | .39454  | .22449  | 1.75744  | -.17485  | -.16642 |
| 2.500 | 20.452   | .52436  | .29901  | 1.74896  | -.18367  | -.16057 |
| 2.500 | 25.786   | .68379  | .42495  | 1.61381  | -.18343  | -.16235 |
| 2.500 | 31.169   | .83341  | .58564  | 1.42307  | -.17682  | -.17350 |
| 2.500 | 36.548   | .98254  | .78549  | 1.22953  | -.16957  | -.16463 |
| 2.500 | 41.968   | 1.06416 | 1.01913 | 1.04419  | -.16602  | -.16109 |
| 2.500 | 44.141   | 1.09241 | 1.11940 | .97588   | -.16602  | -.16109 |
|       | GRADIENT | .03017  | -.00516 | .17407   | -.100099 | -.00262 |
|       |          |         |         |          |          | -.00101 |



C444 UPWT 1033 CONF4 21NCTE33P4W48SV7M107X18

(RPNB24) ( 10 JUL 75 )

REFERENCE DATA

WARP = 67.1580 84.14. WARP = 12.3772 INCHES  
 LARP = 7.1220 INCHES YMRP = .0000 INCHES  
 BRP = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -24.000  
 AILRON = .000 RUDDER = .000  
 BDFLAP = -14.250 SPDBRK = 54.920

RUN NO. 67/ 0 RIVL = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPB     | CPBM    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 3.900 | -4.554   | -1.6531 | .12939  | -1.43218 | -.07534 | -.05659 | -.07112 |
| 3.900 | -2.436   | -1.4570 | .11455  | -1.27195 | -.07534 | -.06365 | -.07112 |
| 3.900 | -1.366   | -1.2423 | .10910  | -1.13966 | -.07534 | -.07125 | -.07112 |
| 3.900 | -.315    | -1.0256 | .10435  | -.98291  | -.07534 | -.07376 | -.07112 |
| 3.900 | .634     | -.06357 | .10076  | -.82920  | -.07533 | -.07631 | -.07111 |
| 3.900 | 1.635    | -.08151 | .09766  | -.62980  | -.07533 | -.07631 | -.07112 |
| 3.900 | 3.637    | -.01253 | .09436  | -.13261  | -.07533 | -.07664 | -.07111 |
| 3.900 | 5.634    | .03111  | .09442  | .38949   | -.07769 | -.07664 | -.07112 |
| 3.900 | 7.675    | .06019  | .09903  | .60973   | -.07769 | -.09656 | -.07366 |
| 3.900 | 9.956    | .12697  | .10636  | 1.16996  | -.07769 | -.07664 | -.07111 |
| 3.900 | 12.390   | .19216  | .12607  | 1.52417  | -.07769 | -.07665 | -.07366 |
| 3.900 | 16.219   | .29768  | .16739  | 1.77946  | -.09044 | -.07665 | -.07624 |
| 3.900 | 20.334   | .41674  | .23400  | 1.78944  | -.09044 | -.07665 | -.07624 |
| 3.900 | 25.581   | .56563  | .34769  | 1.62736  | -.09044 | -.07665 | -.07624 |
| 3.900 | 30.925   | .71630  | .50308  | 1.42364  | -.09044 | -.07664 | -.07624 |
| 3.900 | 36.241   | .85110  | .69657  | 1.22165  | -.07769 | -.07664 | -.07624 |
| 3.900 | 41.316   | .95392  | .90609  | 1.05279  | -.07769 | -.07665 | -.07624 |
| 3.900 | 43.479   | .98964  | 1.00095 | .96670   | -.07534 | -.07379 | -.07113 |
| 3.900 | GRADIENT | .02059  | -.00417 | .15532   | .00000  | -.00255 | .00000  |



0A44 UPM1 1035 COMP4 B10CTE3W5M4R5V74107116

(RMBS24) ( 10 JUL 73 )

REFERENCE DATA

BRFP = 07.1500 SQ. IN. XMRP = 12.5772 INCHES  
 LRFP = 7.1220 INCHES YMRP = .0000 INCHES  
 BRFP = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -24.000  
 AIRCON = .000 RUDDER = .000  
 BDPLAP = -14.250 SPOORR = 34.920

RUN NO. 00/ 0 RIN/L = 2.51 GRADIENT INTERVAL = -5.00/ 9.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPS     | CPON    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 4.000 | -4.139   | -1.6483 | .12097  | -1.36280 | -.03685 | -.02257 | -.04828 |
| 4.000 | -1.937   | -1.2436 | .10654  | -1.16724 | -.03685 | -.03223 | -.04928 |
| 4.000 | -1.103   | -1.0736 | .10116  | -1.06128 | -.05685 | -.04186 | -.04625 |
| 4.000 | .056     | -.06294 | .09590  | -.66490  | -.05685 | -.04834 | -.04828 |
| 4.000 | 1.120    | -.06207 | .09197  | -.67486  | -.05685 | -.04834 | -.04828 |
| 4.000 | 2.037    | -.04836 | .08900  | -.54343  | -.05685 | -.04834 | -.05153 |
| 4.000 | 4.111    | -.00322 | .06376  | -.03753  | -.05685 | -.05156 | -.05153 |
| 4.000 | 6.136    | .04201  | .06810  | .46795   | -.05685 | -.05156 | -.05153 |
| 4.000 | 8.353    | .09060  | .09093  | .99836   | -.05685 | -.05156 | -.05153 |
| 4.000 | 10.230   | .13161  | .09946  | 1.32322  | -.05685 | -.04834 | -.05153 |
| 4.000 | 12.555   | .16804  | .11557  | 1.62709  | -.05685 | -.05156 | -.05153 |
| 4.000 | 16.479   | .29298  | .15766  | 1.83765  | -.05685 | -.05156 | -.05479 |
| 4.000 | 20.364   | .41072  | .22469  | 1.62790  | -.06009 | -.05478 | -.05479 |
| 4.000 | 25.694   | .54983  | .33491  | 1.64114  | -.06009 | -.05478 | -.05153 |
| 4.000 | 30.966   | .69376  | .47758  | 1.43172  | -.05685 | -.05478 | -.05479 |
| 4.000 | 36.134   | .81232  | .66217  | 1.22705  | -.05685 | -.05478 | -.05153 |
| 4.000 | 41.474   | .92159  | .87914  | 1.04829  | -.05685 | -.05156 | -.05153 |
| 4.000 | 43.485   | .94963  | .96010  | .96910   | -.05685 | -.05156 | -.04828 |
|       | GRADIENT | .01955  | -.00430 | .16044   | -.00000 | -.00359 | -.00045 |



REFERENCE DATA  
 MREF = 97.1560 SQ. IN. ZMRP = 12.5772 INCHES  
 YREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRFP = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA  
 BETA = .000 ELEVTR = .000  
 AIRCON = .000 RUDDER = .000  
 BDPLAP = -14.250 SPDRBK = 34.920

RUN NO. 00/ 0 RIN/L = 2.50 GRADIENT INTERVAL = -3.00/ 5.00

| MACH  | ALPHA  | CL      | CD      | L/D      | CPS     | CPSH    | CPSC    |
|-------|--------|---------|---------|----------|---------|---------|---------|
| 2.500 | -4.940 | -.10117 | .14596  | -1.24105 | -.13193 | -.15533 | -.14347 |
| 2.500 | -2.736 | -.11066 | .13364  | -.80829  | -.13104 | -.16349 | -.15220 |
| 2.500 | -1.689 | -.08855 | .12939  | -.68888  | -.13361 | -.16700 | -.15396 |
| 2.500 | -.615  | -.05907 | .12596  | -.44503  | -.13533 | -.16696 | -.15570 |
| 2.500 | .471   | -.02530 | .12355  | -.20475  | -.13539 | -.16701 | -.15376 |
| 2.500 | 1.412  | .00352  | .12287  | .02672   | -.13536 | -.16390 | -.15396 |
| 2.500 | 3.319  | .06379  | .12339  | .51611   | -.13713 | -.16349 | -.15574 |
| 2.500 | 5.647  | .12362  | .12972  | .98993   | -.14067 | -.16700 | -.15929 |
| 2.500 | 7.872  | .19360  | .14060  | 1.37504  | -.14416 | -.16324 | -.16261 |
| 2.500 | 9.892  | .25475  | .15612  | 1.63179  | -.16774 | -.16877 | -.16639 |
| 2.500 | 12.239 | .32536  | .18016  | 1.80602  | -.17476 | -.17253 | -.17344 |
| 2.500 | 16.267 | .45224  | .23776  | 1.90193  | -.18182 | -.17751 | -.17875 |
| 2.500 | 20.513 | .58568  | .32104  | 1.82430  | -.18360 | -.17926 | -.17877 |
| 2.500 | 25.920 | .75266  | .46161  | 1.63095  | -.18360 | -.18103 | -.18054 |
| 2.500 | 31.287 | .90660  | .63690  | 1.42213  | -.17654 | -.17032 | -.16636 |
| 2.500 | 36.606 | 1.03763 | .83448  | 1.21457  | -.17656 | -.17581 | -.16996 |
| 2.500 | 42.027 | 1.13915 | 1.10754 | 1.02654  | -.18006 | -.17226 | -.17524 |
| 2.500 | 44.211 | 1.16629 | 1.21470 | .96015   | -.17836 | -.17408 | -.17352 |
| 2.500 |        | .02905  | -.00266 | .21030   | -.00067 | -.00048 | -.00124 |



TABULATED SOURCE DATA - GA44

GA44 UPM 1035 COMP4 (RMW22) ( 18 JUL 75 )

881CT023P 2M4R3V7D107116 PARAMETRIC DATA

REFERENCE DATA  
 WREF = 87.1980 88.1N. ZMRP = 12.5772 INCHES BETA = .000 ELEVTR = .000  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES AIRLON = .000 RUDDER = .000  
 WREF = 14.0502 INCHES ZMRP = 6.0000 INCHES SDFLAP = -14.230 SPOBRK = 34.920  
 SCALE = .0190 SCALE

RUN NO. TD/ D RM/L = 2.30 GRADIENT INTERVAL = -5.00/ 3.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CM      | CPM     | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 3.900 | -4.481   | -1.3433 | .11313  | -1.18745 | -.07473 | -.05299 | -.07590 |
| 3.900 | -2.338   | -.09306 | .10246  | -.90824  | -.07472 | -.06310 | -.07536 |
| 3.900 | -1.333   | -.07369 | .09844  | -.74835  | -.07726 | -.07049 | -.07536 |
| 3.900 | -.266    | -.03419 | .09335  | -.56834  | -.07727 | -.07576 | -.07536 |
| 3.900 | .744     | -.03156 | .09261  | -.34004  | -.07726 | -.07829 | -.07536 |
| 3.900 | 1.741    | -.01596 | .09110  | -.13131  | -.07726 | -.08082 | -.07536 |
| 3.900 | 3.793    | .03166  | .09043  | .34936   | -.07726 | -.09082 | -.07536 |
| 3.900 | 5.839    | .07904  | .08995  | .83060   | -.07727 | -.08083 | -.07914 |
| 3.900 | 7.993    | .12708  | .10179  | 1.24845  | -.07727 | -.08083 | -.07914 |
| 3.900 | 10.024   | .18117  | .11489  | 1.57936  | -.07681 | -.08082 | -.08070 |
| 3.900 | 12.319   | .23437  | .13399  | 1.77909  | -.07982 | -.08082 | -.07914 |
| 3.900 | 16.235   | .34824  | .18167  | 1.91690  | -.07982 | -.08083 | -.07914 |
| 3.900 | 20.367   | .47015  | .25435  | 1.84839  | -.07982 | -.08083 | -.08070 |
| 3.900 | 25.616   | .62746  | .36075  | 1.64794  | -.07981 | -.07829 | -.08070 |
| 3.900 | 30.849   | .78898  | .50864  | 1.42894  | -.07982 | -.07529 | -.08070 |
| 3.900 | 36.156   | .92024  | .75494  | 1.21893  | -.07727 | -.07629 | -.07536 |
| 3.900 | 41.431   | 1.03436 | .99393  | 1.03836  | -.07727 | -.07576 | -.07536 |
| 3.900 | 43.532   | 1.04700 | 1.09398 | .97534   | -.07472 | -.07323 | -.07502 |
| 3.900 | GRADIENT | .02005  | -.00274 | .18713   | -.00035 | -.00337 | .00000  |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

REFERENCE DATA

WREF = 07.1500 90.IN. XARP = 12.5772 INCHES  
 LREF = 7.1820 INCHES YARP = .0000 INCHES  
 WREF = 14.0502 INCHES ZARP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVIN = .000  
 AIRLON = .000 RUDDER = .000  
 BDFLAP = -14.250 SPOBRK = 54.920

RUN NO. 71/ 0 RM/L = 2.49 GRADIENT INTERVAL = -5.00/ 3.00

| MACH  | ALPHA    | CL      | CC      | L/D      | CPB     | CPBM    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 4.600 | -4.059   | -.32842 | .10887  | -1.16121 | -.05597 | -.02473 | -.05585 |
| 4.600 | -1.948   | -.09733 | .09843  | -.90564  | -.05597 | -.03774 | -.05713 |
| 4.600 | -.954    | -.06943 | .06229  | -.75235  | -.05597 | -.04423 | -.05385 |
| 4.600 | .097     | -.04766 | .08635  | -.53822  | -.05597 | -.05073 | -.05385 |
| 4.600 | 1.142    | -.02931 | .06561  | -.34465  | -.05597 | -.05073 | -.05385 |
| 4.600 | 2.071    | -.01110 | .08429  | -.13185  | -.05597 | -.05397 | -.05385 |
| 4.600 | 4.127    | .03574  | .06312  | .36965   | -.05597 | -.05397 | -.05385 |
| 4.600 | 6.187    | .07273  | .06535  | .65013   | -.05597 | -.05397 | -.05385 |
| 4.600 | 8.332    | .1232   | .09323  | 1.34391  | -.05597 | -.05397 | -.05385 |
| 4.600 | 10.314   | .16979  | .10503  | 1.61661  | -.05597 | -.05397 | -.05713 |
| 4.600 | 12.624   | .22960  | .12331  | 1.83393  | -.05597 | -.05397 | -.05713 |
| 4.600 | 16.496   | .33726  | .17235  | 1.93465  | -.05597 | -.05722 | -.05713 |
| 4.600 | 20.632   | .43486  | .24393  | 1.86463  | -.05924 | -.05397 | -.05385 |
| 4.600 | 25.763   | .60316  | .26731  | 1.64761  | -.05597 | -.05397 | -.05713 |
| 4.600 | 30.594   | .75490  | .32926  | 1.42357  | -.05597 | -.05397 | -.05713 |
| 4.600 | 36.234   | .88821  | .73036  | 1.21576  | -.05597 | -.05397 | -.05385 |
| 4.600 | 41.392   | .93647  | .95794  | 1.04033  | -.05597 | -.05397 | -.05385 |
| 4.600 | 43.497   | 1.02845 | 1.05134 | .97623   | -.05597 | -.05073 | -.05385 |
| 4.600 | GRADIENT | .01915  | -.00314 | .18616   | .00000  | -.00363 | .00013  |



0444 UPUT 1033 COMP4 8812323F4M489V74107H16

(RPH826) ( 10 JUL 75 )

REFERENCE DATA

WREP 0 87.1180 30.1N. XMRP 0 12.3772 1MCHES  
 LREP 0 7.1820 1MCHES YMRP 0 .0000 1MCHES  
 WREP 0 14.0302 1MCHES ZMRP 0 6.0000 1MCHES  
 SCALE 0 .0190 SCALE

PARAMETRIC DATA

BETA 0 .000 CLEVER 0 -44.000  
 ALURON 0 .000 RUGGER 0 .000  
 BDFLAP 0 -14.890 SP2BRK 0 54.920

RUN NO. 72/ 0 RW/L 0 8.90 GRADIENT INTERVAL 0 -9.00/ 9.00

| WACH  | ALPHA    | CL      | CD      | U/B      | CPB     | CPBH    | CPBC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 2.900 | -4.878   | -.26122 | .19437  | -1.44084 | -.14830 | -.15618 | -.14181 |
| 2.900 | -2.643   | -.21616 | .17493  | -1.23983 | -.14899 | -.15315 | -.14339 |
| 2.900 | -1.943   | -.18964 | .16716  | -1.11037 | -.14989 | -.15432 | -.14831 |
| 2.900 | -.743    | -.14994 | .16011  | -.93647  | -.15326 | -.16139 | -.14835 |
| 2.900 | .333     | -.11799 | .15415  | -.76478  | -.15327 | -.16487 | -.14833 |
| 2.900 | 1.325    | -.08757 | .14907  | -.58739  | -.15196 | -.17019 | -.14865 |
| 2.900 | 3.327    | -.01707 | .14136  | -.12794  | -.15900 | -.15434 | -.15007 |
| 2.900 | 5.083    | .04770  | .14127  | .33768   | -.15306 | -.16490 | -.15014 |
| 2.900 | 7.028    | .11169  | .14841  | .73227   | -.15879 | -.16837 | -.15187 |
| 2.900 | 9.031    | .17252  | .16142  | 1.06876  | -.16036 | -.17191 | -.15999 |
| 2.900 | 12.461   | .23233  | .18213  | 1.36346  | -.16369 | -.17020 | -.16081 |
| 2.900 | 16.188   | .37219  | .22661  | 1.64240  | -.17267 | -.17015 | -.16782 |
| 2.900 | 20.333   | .50689  | .30261  | 1.87306  | -.17901 | -.17546 | -.16965 |
| 2.900 | 25.848   | .66948  | .42903  | 1.90446  | -.18326 | -.17891 | -.17644 |
| 2.900 | 31.821   | .81904  | .59284  | 1.37682  | -.18303 | -.17893 | -.17848 |
| 2.900 | 36.674   | .94169  | .79483  | 1.18449  | -.18329 | -.18419 | -.17671 |
| 2.900 | 41.797   | 1.03469 | 1.01489 | 1.01931  | -.17799 | -.18243 | -.17316 |
| 2.900 | 44.123   | 1.06188 | 1.11967 | .94822   | -.17901 | -.18244 | -.17494 |
|       | GRADIENT | .03110  | -.00623 | .15664   | -.00093 | -.00267 | -.00086 |

0A44 UPMT 1033 CONF4 821CTE23F5H4R3V7W107X16

(RPNR8E6) ( 10 JUL 73 )

REFERENCE DATA

BREF # 87.1580 SQ. IN. XMRP # 12.9772 INCHES  
 LREF # 7.1220 INCHES YMRP # .3000 INCHES  
 SREF # 14.0302 INCHES ZMRP # 8.0300 INCHES  
 SCALE # .0150 SCALE

PARAMETRIC DATA

BETA # .000 ELEVTR # -44.000  
 AIRLON # .000 RUDDER # .000  
 BDFLAP # -14.830 SPOBRK # 54.920

RUN NO. 73/ 0 RIVL # 8.50 GRADIENT INTERVAL # -8.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CFB     | CFBM    | CFSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 3.900 | -4.431   | -.20884 | .14911  | -1.40097 | -.07424 | -.06239 | -.07256 |
| 3.900 | -2.871   | -.16287 | .13202  | -1.23370 | -.07424 | -.06003 | -.07256 |
| 3.900 | -1.393   | -.14357 | .12622  | -1.13746 | -.07424 | -.06006 | -.07257 |
| 3.900 | -.318    | -.11549 | .11997  | -.98759  | -.07424 | -.06239 | -.07257 |
| 3.900 | .745     | -.09406 | .11447  | -.92170  | -.07679 | -.06512 | -.07256 |
| 3.900 | 1.692    | -.07187 | .11072  | -.84911  | -.07679 | -.06512 | -.07256 |
| 3.900 | 3.766    | -.02581 | .10494  | -.27259  | -.07679 | -.06765 | -.07512 |
| 3.900 | 5.916    | .02298  | .10544  | .21797   | -.07679 | -.06765 | -.07512 |
| 3.900 | 6.027    | .07433  | .11072  | .67319   | -.07933 | -.06239 | -.07767 |
| 3.900 | 10.040   | .12272  | .12049  | 1.01846  | -.07933 | -.07018 | -.08023 |
| 3.900 | 12.201   | .18034  | .13650  | 1.32114  | -.07933 | -.07777 | -.07768 |
| 3.900 | 16.152   | .28339  | .17628  | 1.61691  | -.08188 | -.08031 | -.08023 |
| 3.900 | 20.431   | .41136  | .24276  | 1.69454  | -.08188 | -.07777 | -.08023 |
| 3.900 | 25.752   | .56184  | .36076  | 1.55736  | -.08188 | -.07776 | -.07768 |
| 3.900 | 30.769   | .70321  | .50896  | 1.36558  | -.07933 | -.07777 | -.09023 |
| 3.900 | 36.293   | .84214  | .70851  | 1.16844  | -.07679 | -.07524 | -.07512 |
| 3.900 | 41.329   | .94225  | .91706  | 1.02747  | -.07424 | -.07525 | -.07256 |
| 3.900 | 43.534   | .97206  | 1.01083 | .96164   | -.07169 | -.07271 | -.06744 |
| 3.900 | GRADIENT | .02223  | -.00540 | .13991   | -.00042 | -.00043 | -.00024 |



DATE 30 OCT 74

TABULATED SOURCE DATA - QAM4

(RPM226) ( 10 JUL 73 )

QA44 UPMT 1033 CONF4 821C7E23F94R3V7M107X16

PARAMETRIC DATA

BETA = .000 ELEVTR = -44.000  
 AILRON = .000 RUDDER = .000  
 BDPLAP = -14.250 SPOBRK = 94.920

REP. INCE DATA

SRFP = 87.1560 SQ. IN. XMRP = 12.5772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BRFP = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

RUN NO. 74/ 0 RIN/L = 2.30 GRADIENT INTERVAL = -9.00/ 9.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPS     | CPBM    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 4.600 | -4.007   | -.19603 | .14530  | -1.34908 | -.05536 | -.03717 | -.05329 |
| 4.600 | -1.933   | -.15097 | .12920  | -1.17762 | -.05536 | -.03717 | -.05002 |
| 4.600 | -.944    | -.12986 | .11979  | -1.08421 | -.05540 | -.04045 | -.05331 |
| 4.600 | .095     | -.10301 | .11269  | -.93015  | -.05540 | -.04368 | -.05005 |
| 4.600 | 1.081    | -.08355 | .10777  | -.77526  | -.05536 | -.04368 | -.05329 |
| 4.600 | 2.041    | -.06198 | .10363  | -.59612  | -.05540 | -.04368 | -.05331 |
| 4.600 | 4.090    | -.01723 | .09889  | -.17416  | -.05536 | -.04368 | -.05329 |
| 4.600 | 6.156    | .02768  | .09733  | .28629   | -.05536 | -.04368 | -.05331 |
| 4.600 | 8.305    | .07999  | .10236  | .78132   | -.05666 | -.04368 | -.05329 |
| 4.600 | 10.260   | .12436  | .11066  | 1.12352  | -.05664 | -.04688 | -.05329 |
| 4.600 | 12.356   | .18123  | .12382  | 1.44035  | -.05864 | -.05011 | -.05656 |
| 4.600 | 16.511   | .28902  | .16776  | 1.72263  | -.05864 | -.05335 | -.05656 |
| 4.600 | 20.593   | .40399  | .23302  | 1.73373  | -.05864 | -.05335 | -.05656 |
| 4.600 | 25.843   | .54612  | .34798  | 1.57513  | -.05864 | -.05639 | -.05656 |
| 4.600 | 31.013   | .68092  | .49211  | 1.38367  | -.05864 | -.05639 | -.05656 |
| 4.600 | 36.270   | .80636  | .67745  | 1.19029  | -.05864 | -.05639 | -.05656 |
| 4.600 | 41.309   | .89996  | .87535  | 1.02812  | -.05336 | -.05335 | -.05329 |
| 4.600 | 43.451   | .93130  | .96390  | .96618   | -.05213 | -.05011 | -.05002 |
| 4.600 | GRADIENT | .02216  | -.00563 | .14543   | -.00000 | -.00130 | -.00015 |

(RPNBZ7) ( 10 JUL 73 )

OA44 UPWT 1035 CONF4 B21C7E23F5MAR3VTW107X16

PARAMETRIC DATA

REFERENCE DATA

SREF = 97.1560 SQ.IN. XMRP = 12.5772 INCHES BETA = .000 ELEVTR = 11.000  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES AIRLON = .000 RUDDER = .000  
 BREF = 14.0302 INCHES ZMRP = 6.0000 INCHES BDFLAP = 13.750 JPOBRK = 54.920  
 SCALE = .0150 SCALE

| MACH     | ALPHA  | CL      | CD      | L/D     | CPB     | CPBM    | CPSC    |
|----------|--------|---------|---------|---------|---------|---------|---------|
| 2.500    | -4.908 | -.13534 | .14701  | -.92060 | -.15376 | -.17432 | -.15284 |
| 2.500    | -2.658 | -.07056 | .13778  | -.51210 | -.15589 | -.17441 | -.15454 |
| 2.500    | -1.859 | -.04016 | .13513  | -.29719 | -.15766 | -.17617 | -.15632 |
| 2.500    | -.575  | -.00769 | .13315  | -.05775 | -.15765 | -.17616 | -.15631 |
| 2.500    | .434   | .02072  | .13232  | .15660  | -.15598 | -.17440 | -.15453 |
| 2.500    | 1.497  | .05132  | .13282  | .38843  | -.15583 | -.17262 | -.15443 |
| 2.500    | 3.613  | .11280  | .13736  | .82122  | -.15763 | -.17090 | -.15629 |
| 2.500    | 5.765  | .18212  | .14750  | 1.23468 | -.16119 | -.17267 | -.15986 |
| 2.500    | 7.979  | .24873  | .16280  | 1.52967 | -.16489 | -.16740 | -.15980 |
| 2.500    | 10.007 | .31486  | .18181  | 1.75178 | -.16485 | -.16387 | -.15980 |
| 2.500    | 12.265 | .38423  | .20952  | 1.83387 | -.16932 | -.16735 | -.16509 |
| 2.500    | 16.515 | .52334  | .26278  | 1.89070 | -.18032 | -.17437 | -.17572 |
| 2.500    | 20.552 | .65434  | .37357  | 1.75158 | -.17879 | -.17266 | -.17399 |
| 2.500    | 26.072 | .83333  | .53665  | 1.54746 | -.18033 | -.17789 | -.17397 |
| 2.500    | 31.171 | .98130  | .72624  | 1.35121 | -.17331 | -.17791 | -.17046 |
| 2.500    | 36.832 | 1.12461 | .98438  | 1.14246 | -.17702 | -.17615 | -.17222 |
| 2.500    | 42.021 | 1.22491 | 1.23694 | .97452  | -.18403 | -.18312 | -.17925 |
| 2.500    | 44.388 | 1.26194 | 1.39282 | .80816  | -.18781 | -.18667 | -.18285 |
| GRADIENT | .02942 | -.00116 | .20907  | -.00013 | .00043  | -.00029 | -.00029 |



0A44 UPMT 1033 COMP4 B21CTE23F5HWR5VTW107X16

(RPH027) ( 10 JUL 73 )

REFERENCE DATA

WREF = 87.1560 SQ. IN. XMRP = 12.5772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0130 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = 11.000  
 AIRLON = .000 RUDDER = .000  
 SDFLAP = 13.750 SPOBRK = 54.920

RUN NO. 76/ 0 RIVL = 2.50 GRADIENT INTERVAL = -3.00/ 9.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPB     | CPBM    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 3.900 | -4.461   | -.11711 | .11483  | -1.01968 | -.07548 | -.04852 | -.07639 |
| 3.900 | -2.330   | -.07599 | .10523  | -.72203  | -.07542 | -.06367 | -.07636 |
| 3.900 | -1.419   | -.05947 | .10209  | -.56235  | -.07797 | -.06873 | -.07636 |
| 3.900 | -.290    | -.03726 | .09956  | -.37426  | -.07797 | -.07632 | -.07636 |
| 3.900 | .836     | -.01203 | .09764  | -.12321  | -.07797 | -.07632 | -.07636 |
| 3.900 | 1.768    | .01039  | .09714  | .10695   | -.07757 | -.07866 | -.07636 |
| 3.900 | 3.802    | .05367  | .09652  | .54471   | -.07797 | -.07866 | -.07636 |
| 3.900 | 5.948    | .10518  | .10433  | 1.00816  | -.07798 | -.07867 | -.07637 |
| 3.900 | 8.122    | .19898  | .11552  | 1.37617  | -.07798 | -.07867 | -.07637 |
| 3.900 | 10.064   | .21508  | .13161  | 1.63423  | -.07798 | -.07867 | -.07637 |
| 3.900 | 12.330   | .27688  | .15453  | 1.79044  | -.07798 | -.07867 | -.07637 |
| 3.900 | 16.319   | .39459  | .21179  | 1.86314  | -.07798 | -.07867 | -.07637 |
| 3.900 | 20.312   | .52796  | .29844  | 1.76909  | -.07798 | -.07867 | -.07637 |
| 3.900 | 25.327   | .68904  | .43777  | 1.57398  | -.07798 | -.07634 | -.07636 |
| 3.900 | 31.007   | .85481  | .63340  | 1.34925  | -.07798 | -.07634 | -.07382 |
| 3.900 | 36.289   | .99223  | .86262  | 1.14998  | -.07543 | -.07633 | -.07637 |
| 3.900 | 41.495   | 1.09993 | 1.12193 | .98039   | -.07798 | -.07634 | -.07381 |
| 3.900 | 43.842   | 1.13331 | 1.23339 | .91866   | -.07798 | -.07634 | -.07637 |
|       | GRADIENT | .02070  | -.00198 | .19187   | -.00035 | -.00367 | .00000  |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



OA44 UPWT 1033 COMP4 821C7E23F5M4R5V7M107X16

(RPN027) ( 10 JUL 73 )

REFERENCE DATA

SREF = 87.1560 SQ.IN. XMRP = 12.3772 INCHES  
 LREF = 7.1820 INCHES YMRP = .0000 INCHES  
 BREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = 11.000  
 AILRON = .000 RUDDER = .000  
 BDFLAP = 13.750 SPDBRK = 34.920

RUN NO. 77/ 0 RM/L = 2.90 GRADIENT INTERVAL = -8.00/ 5.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPB     | CPBM    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 4.600 | -3.839   | -.11137 | .10698  | -1.02190 | -.05692 | -.02243 | -.03490 |
| 4.600 | -1.811   | -.07244 | .09795  | -.73951  | -.05692 | -.03213 | -.03490 |
| 4.600 | -1.039   | -.05826 | .09526  | -.61146  | -.05692 | -.03059 | -.03164 |
| 4.600 | .080     | -.03286 | .09267  | -.35454  | -.05692 | -.04508 | -.03490 |
| 4.600 | 1.139    | -.01496 | .08992  | -.16659  | -.05692 | -.04829 | -.03490 |
| 4.600 | 2.115    | .00877  | .08912  | .07593   | -.05692 | -.04829 | -.03490 |
| 4.600 | 4.142    | .05202  | .0897   | .37949   | -.05691 | -.05190 | -.03488 |
| 4.600 | 6.192    | .09687  | .09505  | 1.01916  | -.05591 | -.05190 | -.03488 |
| 4.600 | 8.336    | .14830  | .10462  | 1.41749  | -.05692 | -.05193 | -.03490 |
| 4.600 | 10.313   | .19925  | .11925  | 1.67087  | -.05692 | -.05193 | -.03490 |
| 4.600 | 12.611   | .26181  | .14306  | 1.82976  | -.05691 | -.05190 | -.03488 |
| 4.600 | 16.491   | .37637  | .19809  | 1.89998  | -.05692 | -.05193 | -.03490 |
| 4.600 | 20.571   | .50343  | .28120  | 1.79033  | -.05692 | -.05193 | -.03490 |
| 4.600 | 25.801   | .66554  | .42404  | 1.56952  | -.05692 | -.05193 | -.03490 |
| 4.600 | 31.037   | .92132  | .60720  | 1.35214  | -.05691 | -.05190 | -.03161 |
| 4.600 | 36.195   | 1.3354  | .82570  | 1.15483  | -.05692 | -.05193 | -.03490 |
| 4.600 | 41.400   | 1.05654 | 1.07366 | .98414   | -.05367 | -.05193 | -.03490 |
| 4.600 | 43.560   | 1.08887 | 1.18295 | .92047   | -.05365 | -.05474 | -.03488 |
|       | GRADIENT | .02020  | -.00234 | .20024   | .00015  | -.00373 | -.00008 |



0A44 UPRIT 1033 CONF4 BE1CTE23F5MARSV74107216

(RPM088) ( 10 JUL 73 )

REFERENCE DATA

WREP = 07.1360 90.1N. XWRP = 12.5772 INCHES  
 LREP = 7.1220 INCHES YWRP = .0000 INCHES  
 WRP = 14.0502 INCHES ZWRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -24.000  
 AIRLON = .000 RUDORR = .000  
 SDPLAP = -14.250 SPDRNA = 54.920

RUN NO. 78/ 0 RW/L = 8.81 GRADIENT INTERVAL = -8.00/ 9.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPS     | CPBH    | CPBC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 2.500 | -4.841   | -2.9016 | .17839  | -1.48119 | -.13829 | -.15149 | -.12934 |
| 2.500 | -2.778   | -.18520 | .15357  | -1.19048 | -.14142 | -.16012 | -.13643 |
| 2.500 | -1.739   | -.15902 | .14891  | -1.04097 | -.14318 | -.16187 | -.13644 |
| 2.500 | -.887    | -.12071 | .14266  | -.84614  | -.14495 | -.16187 | -.13622 |
| 2.500 | .404     | -.09039 | .13600  | -.63900  | -.14677 | -.16367 | -.14182 |
| 2.500 | 1.349    | -.05953 | .13443  | -.44261  | -.14691 | -.16728 | -.14020 |
| 2.500 | 3.494    | .00830  | .13054  | .04629   | -.14711 | -.17267 | -.14395 |
| 2.500 | 5.603    | .06637  | .13190  | .90322   | -.13075 | -.16404 | -.14584 |
| 2.500 | 7.806    | .13208  | .13951  | .94673   | -.13065 | -.16221 | -.14574 |
| 2.500 | 9.868    | .19347  | .15190  | 1.29023  | -.14714 | -.15324 | -.14396 |
| 2.500 | 12.236   | .26646  | .17207  | 1.54661  | -.13061 | -.15320 | -.14570 |
| 2.500 | 16.230   | .36809  | .22355  | 1.73607  | -.17702 | -.17619 | 1.6692  |
| 2.500 | 20.465   | .51447  | .29756  | 1.72999  | -.16223 | -.16136 | -.17743 |
| 2.500 | 25.828   | .68064  | .42855  | 1.59568  | -.13398 | -.17810 | -.18093 |
| 2.500 | 31.182   | .82695  | .58768  | 1.40666  | -.17340 | -.17064 | -.16657 |
| 2.500 | 36.546   | .93701  | .76901  | 1.21292  | -.16992 | -.17088 | -.16664 |
| 2.500 | 41.933   | 1.03634 | 1.02182 | 1.03378  | -.16810 | -.16208 | -.16148 |
| 2.500 | 44.105   | 1.06314 | 1.12093 | .96628   | -.16642 | -.16216 | -.16156 |
|       | GRADIENT | .03027  | -.00499 | .17733   | -.00131 | -.03226 | -.00160 |

0A44 UPM1 1033 CONF4 821C7E23F5M4R3V7M107X16

(RPM88) ( 10 JUL 73 )

REFERENCE DATA

BREF = 07.1560 80. IN. YMRP = 12.5772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0502 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = -24.000  
 ATURON = .000 RUDDER = .000  
 BOP LAP = -14.250 SPOBRK = 34.320

RUN NO. 79/ 0 RV/L = 2.56 GRADIENT INTERVAL = -5.00/ 3.00

| MACH  | ALPHA    | CL      | CD      | L/L      | CPB     | CPBH    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 3.900 | -4.494   | -1.6991 | .12712  | -1.33687 | -.07269 | -.06353 | -.07103 |
| 3.900 | -2.384   | -.12923 | .11351  | -1.13861 | -.07269 | -.06560 | -.07103 |
| 3.900 | -1.342   | -.11261 | .10222  | -1.03264 | -.07269 | -.07620 | -.07104 |
| 3.900 | -.303    | -.08768 | .10442  | -.83948  | -.07270 | -.07620 | -.06846 |
| 3.900 | .719     | -.08531 | .10092  | -.64712  | -.07270 | -.07620 | -.07104 |
| 3.900 | 1.707    | -.04569 | .09827  | -.48496  | -.07271 | -.07620 | -.07106 |
| 3.900 | 3.751    | -.00235 | .09492  | -.02516  | -.07526 | -.07621 | -.07106 |
| 3.900 | 5.835    | .04686  | .09593  | .48854   | -.07526 | -.07622 | -.07106 |
| 3.900 | 8.002    | .09545  | .10167  | .93701   | -.07525 | -.07621 | -.07103 |
| 3.900 | 9.985    | .14413  | .11212  | 1.28549  | -.07524 | -.07620 | -.07104 |
| 3.900 | 12.507   | .20149  | .12964  | 1.55424  | -.07779 | -.07673 | -.07359 |
| 3.900 | 16.235   | .30965  | .17290  | 1.79099  | -.07779 | -.07672 | -.07358 |
| 3.900 | 20.391   | .42446  | .23924  | 1.77423  | -.07777 | -.07618 | -.07613 |
| 3.900 | 25.593   | .57066  | .33463  | 1.60917  | -.07776 | -.07619 | -.07358 |
| 3.900 | 30.652   | .72016  | .51032  | 1.41116  | -.07523 | -.07619 | -.07358 |
| 3.900 | 36.099   | .84829  | .69938  | 1.21291  | -.07523 | -.07619 | -.07102 |
| 3.900 | 41.378   | .95870  | .92133  | 1.03816  | -.07268 | -.07112 | -.06846 |
| 3.900 | 43.499   | .99086  | 1.01452 | .97670   | -.07013 | -.06639 | -.06335 |
|       | GRADIENT | .02046  | -.00369 | .16132   | -.00024 | -.00134 | -.00000 |



0A44 UPWT 1033 COMP4 BRIC7E8P/AMH8SV74107110

(RPM888) ( 13 JUL 73 )

REFERENCE DATA

WREF = 07.1500 IN. WREF = 12.5772 INCHES  
 LREF = 7.1220 INCHES YREF = .0000 INCHES  
 WREF = 14.0352 INCHES ZREF = 6.0000 INCHES  
 SCALE = .0150 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTH = -24.000  
 AIRLON = .000 RUDDER = .000  
 BOFLAP = -14.250 SPOBRK = 34.920

RUN NO. 80/ 0 RM/L = 2.48 GRADIENT INTERVAL = -3.00/ 3.00

| MACH  | ALPHA    | CL       | CD      | L/D      | CPB     | CPM     | CPSC    |
|-------|----------|----------|---------|----------|---------|---------|---------|
| 4.600 | -4.066   | -1.13766 | .12100  | -1.30484 | -0.9013 | -.02863 | -.04804 |
| 4.600 | -1.982   | -1.1949  | .10717  | -1.11492 | -0.9010 | -.04479 | -.04801 |
| 4.600 | -.968    | -1.0182  | .10160  | -1.00019 | -0.9007 | -.04801 | -.04470 |
| 4.600 | .068     | -.07656  | .09657  | -.79297  | -0.9007 | -.05126 | -.04799 |
| 4.600 | 1.092    | -.03640  | .09274  | -.62971  | -0.9337 | -.05126 | -.04801 |
| 4.600 | 2.034    | -.03646  | .08961  | -.40669  | -0.9337 | -.05126 | -.04801 |
| 4.600 | 4.109    | .00528   | .08626  | .06123   | -0.9337 | -.05126 | -.04473 |
| 4.600 | 6.176    | .03073   | .08719  | .58209   | -0.9337 | -.05126 | -.04801 |
| 4.600 | 8.336    | .09959   | .09357  | 1.06433  | -0.9334 | -.05127 | -.05127 |
| 4.600 | 10.298   | .14461   | .10344  | 1.39802  | -0.9334 | -.05126 | -.04798 |
| 4.600 | 12.602   | .20142   | .12086  | 1.66932  | -0.9334 | -.05126 | -.05127 |
| 4.600 | 16.471   | .29865   | .16252  | 1.63802  | -0.9334 | -.05126 | -.05127 |
| 4.600 | 20.583   | .41424   | .22991  | 1.60174  | -0.9662 | -.05451 | -.05127 |
| 4.600 | 25.710   | .55606   | .34336  | 1.61947  | -0.9663 | -.05126 | -.05129 |
| 4.600 | 30.934   | .69256   | .49059  | 1.41169  | -0.9663 | -.05453 | -.05129 |
| 4.600 | 37.329   | .83967   | .71763  | 1.16991  | -0.9337 | -.05126 | -.04801 |
| 4.600 | 41.324   | .91663   | .66342  | 1.03966  | -0.9334 | -.05126 | -.04470 |
| 4.600 | 43.403   | .94712   | .66724  | .97920   | -0.9010 | -.05126 | -.04473 |
| 4.600 | GRADIENT | .02014   | -.00429 | .16916   | -.00033 | -.00251 | -.00023 |



OA44 UPWT 1035 CONF4

(RPM628) ( 10 JUL 73 )

REFERENCE DATA

SREF = 97.1960 SQ.IN. XMRP = 12.5772 INCHES  
 LREF = 7.1220 INCHES YMRP = .0000 INCHES  
 BREF = 14.0902 INCHES ZMRP = 6.0000 INCHES  
 SCALZ = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ALLCON = .000 RUDDER = .000  
 BOFLAP = 13.750 SPDBRK = 34.920

RUN NO. 83/ 0 RIVL = 2.90 GRADIENT INTERVAL = -5.00/ 9.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CPB     | CPBM    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 2.500 | -4.888   | -.18336 | .14565  | -1.12178 | -.15071 | -.18403 | -.14755 |
| 2.500 | -2.743   | -.10444 | .13483  | -.77481  | -.15211 | -.16195 | -.15427 |
| 2.500 | -1.708   | -.07006 | .13095  | -.53906  | -.15205 | -.16193 | -.15086 |
| 2.500 | -.356    | -.03793 | .12796  | -.29645  | -.15209 | -.16196 | -.14893 |
| 2.500 | .407     | -.00969 | .12370  | -.07799  | -.15060 | -.16044 | -.14744 |
| 2.500 | 1.414    | .02068  | .12491  | .16556   | -.15082 | -.15872 | -.14923 |
| 2.500 | 3.356    | .08450  | .12713  | .66473   | -.15056 | -.15525 | -.14750 |
| 2.500 | 5.661    | .14831  | .13457  | 1.10209  | -.15419 | -.15878 | -.15105 |
| 2.500 | 7.890    | .21373  | .14716  | 1.45236  | -.15939 | -.16345 | -.15626 |
| 2.500 | 9.920    | .27646  | .16341  | 1.69184  | -.15942 | -.15871 | -.15629 |
| 2.500 | 12.268   | .34881  | .18690  | 1.84648  | -.16472 | -.16048 | -.15985 |
| 2.500 | 18.314   | .47821  | .25239  | 1.89474  | -.17704 | -.17273 | -.17399 |
| 2.500 | 20.590   | .61397  | .34117  | 1.79960  | -.18231 | -.17795 | -.17750 |
| 2.500 | 23.841   | .76354  | .48652  | 1.60390  | -.18762 | -.18149 | -.18284 |
| 2.500 | 31.298   | .94047  | .87303  | 1.59318  | -.17706 | -.17100 | -.16870 |
| 2.500 | 36.631   | 1.07121 | .90055  | 1.18931  | -.17884 | -.17801 | -.16697 |
| 2.500 | 42.065   | 1.17290 | 1.16427 | 1.00707  | -.18233 | -.17798 | -.17400 |
| 2.500 | 44.219   | 1.19658 | 1.27239 | .94041   | -.18406 | -.17969 | -.17398 |
| 2.500 | GRADIENT | .02946  | -.00225 | .21446   | .00010  | .00097  | .00030  |



0A44 UPWT 1035 CONF4 BS1C7E23P4MR3V7M107116

(RPMSS9) ( 10 JUL 73 )

REFERENCE DATA

BRZF = 07.1800 INCHES  
 LREF = 7.1220 INCHES  
 BRZF = 14.0302 INCHES  
 SCALE = .0150 SCALE

XMRP = 18.8772 INCHES  
 YMRP = .0000 INCHES  
 ZMRP = 6.0000 INCHES

PARAMETRIC DATA

BETA = .000  
 ALFLON = .000  
 SPOORR = 13.750  
 ELEVTR = .000  
 RUDDER = .000  
 SPOORR = 94.920

RUN NO. 81/ 0 RML = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

| INCH  | ALPHA    | CL      | CD      | L/D      | CFR     | CFR8    | CFR8C   |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 3.900 | -4.454   | -.12863 | .11323  | -1.13997 | -.07293 | -.03104 | -.07116 |
| 3.900 | -2.339   | -.09129 | .10290  | -.69601  | -.07292 | -.05964 | -.07116 |
| 3.900 | -1.345   | -.07251 | .09904  | -.73210  | -.07290 | -.07126 | -.07369 |
| 3.900 | -.279    | -.05032 | .09563  | -.52933  | -.07279 | -.07376 | -.07366 |
| 3.900 | .751     | -.02656 | .09344  | -.30366  | -.07276 | -.07377 | -.07111 |
| 3.900 | 1.699    | -.00949 | .09191  | -.10310  | -.07533 | -.07630 | -.07367 |
| 3.900 | 3.793    | .03405  | .09192  | .37049   | -.07533 | -.07630 | -.07111 |
| 3.900 | 5.666    | .09034  | .09590  | .83659   | -.07533 | -.07630 | -.07111 |
| 3.900 | 6.019    | .13161  | .10485  | 1.25714  | -.07533 | -.07630 | -.07367 |
| 3.900 | 9.985    | .18598  | .11836  | 1.57056  | -.07533 | -.07630 | -.07623 |
| 3.900 | 12.325   | .24603  | .13904  | 1.76929  | -.07766 | -.07631 | -.07624 |
| 3.900 | 16.251   | .35602  | .19936  | 1.89390  | -.07766 | -.07631 | -.07624 |
| 3.900 | 20.393   | .48356  | .26663  | 1.82106  | -.07766 | -.07631 | -.07690 |
| 3.900 | 25.621   | .64364  | .36636  | 1.61482  | -.07766 | -.07631 | -.07624 |
| 3.900 | 30.871   | .80032  | .51185  | 1.40037  | -.07766 | -.07376 | -.07366 |
| 3.900 | 36.123   | .95658  | .70396  | 1.19392  | -.07534 | -.07376 | -.07366 |
| 3.900 | 41.422   | 1.03906 | 1.03792 | 1.01946  | -.07533 | -.07376 | -.07113 |
| 3.900 | 43.973   | 1.09141 | 1.14467 | .93347   | -.07279 | -.07125 | -.06657 |
|       | GRADIENT | .01966  | -.00262 | .18370   | -.00034 | -.00322 | -.00005 |

GA44 UPMT 1035 CONF4 B21C7E23F5H4R3VPM107X16

(RPM829) ( 10 JUL 75 )

REFERENCE DATA

MREF = 87.1590 SQ. IN. XMRP = 12.5772 INCHES  
 LREF = 7.1825 INCHES YMRP = .0000 INCHES  
 BREF = 14.0302 INCHES ZMRP = 6.0000 INCHES  
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 ELEVTR = .000  
 ALLRON = .000 RUDDER = .000  
 BDPLAP = 13.750 SPDBRK = 94.920

RUN NO. 08/ 0 RIVL = 8.48 GRADIENT INTERVAL = -5.00/ 9.00

| MACH  | ALPHA    | CL      | CD      | L/D      | CMR     | CPRM    | CPSC    |
|-------|----------|---------|---------|----------|---------|---------|---------|
| 4.000 | -4.034   | 12293   | .10622  | -1.19364 | -.03331 | -.01900 | -.04814 |
| 4.000 | -1.982   | -.08498 | .09847  | -.66072  | -.03331 | -.02349 | -.05142 |
| 4.000 | -.981    | -.08774 | .09233  | -.73362  | -.03331 | -.03647 | -.04814 |
| 4.000 | .080     | -.04669 | .06882  | -.52885  | -.03331 | -.04493 | -.04814 |
| 4.000 | 1.117    | -.02920 | .08812  | -.33909  | -.03331 | -.04820 | -.05142 |
| 4.000 | 2.084    | -.00773 | .08436  | -.09139  | -.03331 | -.03144 | -.04814 |
| 4.000 | 4.133    | .03036  | .08366  | .36291   | -.03331 | -.03144 | -.04814 |
| 4.000 | 6.201    | .07576  | .08699  | .67115   | -.03331 | -.04820 | -.04814 |
| 4.000 | 8.347    | .12785  | .09379  | 1.39206  | -.03331 | -.04820 | -.05142 |
| 4.000 | 10.313   | .17599  | .10809  | 1.62814  | -.03331 | -.03144 | -.05142 |
| 4.000 | 12.369   | .23278  | .12661  | 1.61004  | -.03331 | -.03144 | -.05142 |
| 4.000 | 16.481   | .34437  | .17934  | 1.93100  | -.03331 | -.03144 | -.05142 |
| 4.000 | 20.814   | .45519  | .23333  | 1.63488  | -.03331 | -.03144 | -.05142 |
| 4.000 | 23.756   | .61697  | .36194  | 1.61884  | -.03331 | -.03144 | -.05142 |
| 4.000 | 30.966   | .77612  | .54949  | 1.40133  | -.03331 | -.03144 | -.05142 |
| 4.000 | 36.144   | .90496  | .73662  | 1.19806  | -.03331 | -.03144 | -.04814 |
| 4.500 | 41.339   | 1.01448 | .99383  | 1.02078  | -.03331 | -.04820 | -.04814 |
| 4.900 | 43.456   | 1.04446 | 1.03667 | .95939   | -.03024 | -.04820 | -.04814 |
|       | GRADIENT | .21680  | -.00301 | .18364   | .00000  | -.00447 | .00007  |

