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SPACE SHUTTLE LAUNCH VEHICLE (13 P-OTS)  
STRUT SUPPORT INTERFERENCE EFFECTS STUDY  
IN THE ROCKWELL INTERNATIONAL  
7- BY 7-FOOT TRISONIC WIND TUNNEL (IA68)

By

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Prepared under NASA Contract Number NAS9-13247

By

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Houston, Texas

(NASA-CR-134427) SPACE SHUTTLE LAUNCH  
VEHICLE (13 P-OTS) STRUT SUPPORT  
INTERFERENCE EFFECTS STUDY IN THE  
ROCKWELL INTERNATIONAL 7- BY (CHRYSLER  
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**WIND TUNNEL TEST SPECIFICS:**

Test Number: Rockwell Trisonic 281  
NASA Series Number: IA68  
Model Number: 13 P-OTS  
Test Dates: 17 through 29 January 1974  
Occupancy Hours: 36

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ABSTRACT

Strut support interference investigations were conducted on an 0.004-scale representation of the 13 P-OTS Space Shuttle Launch Vehicle in the Rockwell International 7- by 7-Foot Trisonic Wind Tunnel from Jan. 17 to Jan. 29, 1974.

Primary objective of the test was to determine transonic and supersonic model support interference effects for use in a future Space Shuttle Launch Vehicle exhaust plume effects study. Besides the baseline configuration, five strut configurations were tested.

Thirty-seven orbiter, external tank, and solid rocket booster pressures were recorded at Mach numbers 0.9, 1.2, 1.5, and 2.0. Angle of attack and angle of sideslip were varied between  $\pm 4$  degrees in 2-degree increments. Parametric variations consisted only of the strut configurations.

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PLOTTED COEFFICIENTS SCHEDULE:

- A)  $C_{ABX}$  (CABO, CABT, CABS) VS. MACH NUMBER
- B)  $DCABO, DCABT, DCABS$  VS. MACH NUMBER
- C) CP VS. X/C
- D) CP VS.  $2Y/B$
- E) DCP VS. X/C and  $2Y/B$
- F) CP VS. TAP NO.

## NOMENCLATURE

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$A_b$		base area, in <sup>2</sup>
$b$	BREF	reference span, in
$C_A$	CA	axial-force coefficient, $F_A/qS_{ref}$
$C_{A_b}$	CAB	base axial-force coefficient, $[(P_\infty - P_b)/q] (A_b/S_{ref})$
$C_{A_{bO}}$	CABO	orbiter base axial force coefficient
$C_{A_{bS}}$	CABS	solid rocket booster base axial force coefficient
$C_{A_{bT}}$	CABT	external tank base axial force coefficient
$\Delta C_{A_{bO}}$	DCABO	incremental orbiter base axial force coefficient due to configuration changes
$\Delta C_{A_{bS}}$	DCABS	incremental solid rocket booster base axial force coefficient due to configuration changes
$\Delta C_{A_{bT}}$	DCABT	incremental external tank base axial force coefficient due to configuration changes
$C_p$	CP	pressure coefficient, $(P - P_\infty)/q$
$F_A$		axial force, lb
$L_{ref}$	LREF	reference length, in
$M$	MACH	Mach number
$P_\infty$		static pressure, psi
$P_t$		total pressure, psi
$q$	Q(PST)	dynamic pressure, psi
$RN/L$	RN/L	Reynolds number per unit length, million/ft

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$S_{ref}$	SREF	reference area, in <sup>2</sup>
T		temperature, °F
X/C	X/C	wing chordwise pressure measurement location expressed as a ratio to the mean aerodynamic chord length.
2Y/B	2Y/B	wing spanwise pressure measurement location expressed as a ratio to the semi-span length
i		incidence angle, positive when trailing edge down, deg
i <sub>o</sub>	ORBINC	Orbiter incidence angle on external tank, positive when tail down, deg
α	ALPHA	angle of attack, angle between the projection of the wind X <sub>w</sub> -axis on the body X, Z-plane and the body X-axis, deg
β	BETA	sideslip angle, angle between the wind X <sub>w</sub> -axis and the projection of this axis on the body X, Z-plane, deg
Δ		incremental difference
δ		control surface deflection angle, deg, positive deflections are:
	AILRON	aileron - left aileron trailing edge down
	ELEVTR	elevator - trailing edge down
	RUDDER	rudder - trailing edge to the left
φ	PHI	angle of roll, deg

Subscripts

a	aileron
b	base
e	elevator or elevon

## NOMENCLATURE (Concluded)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
eL & eR		elevon left and right
et or t		external tank
i		incidence angle
o ....		Orbiter
RF		rudder flare
r		rudder
s		solid rocket booster
t		total conditions or external tank
w		wing
∞		free stream conditions
ref		reference conditions

### Abbreviations

ET	external tank
SRB	solid rocket booster

## CONFIGURATIONS INVESTIGATED

The model used for this test period was designated 13 P-OTS. It was comprised of the following major components, all constructed to a 0.004-scale.

Symbol

Definition

13 P-0

Orbiter vehicle 2A (modified) with provisions for 19 pressure measurements. Although alternate surfaces existed, data were recorded only at elevon, aileron, rudder and speedbrake deflections of zero. The specific elements of the Orbiter vehicle were:

Identifier

Element

B 58	Body
C 5	Canopy
E 18	Elevon
F 4	Bodyflap
M 3	OMS Pod
R 5	Rudder
V 5	Vertical tail
W 87	Wing

Modifications to the vehicle 2A configuration were the removal of the manipulator arm fairings (D7) and alteration of the nose forward of body station 300 to approximately vehicle 3 contours (Dwg. VL70-000139B)

T 17

External tank vehicle 3 configuration with provisions for 11 pressure measurements (Dwg. VL78-000041B).

S 16

Solid rocket booster vehicle 3A configuration. The left hand booster had provisions for 7 base pressure measurements (Dwg. VL77-000036A).

M<sub>1</sub>

Strut-single strut mounted to lower surface of external tank.

M<sub>2</sub>

Strut-single strut mounted to the side of the left solid rocket booster.

M'<sub>2</sub>

Strut-single strut mounted to the side of the right solid rocket booster. Configuration includes fillet between ET and right SRB.

M<sub>3</sub> Strut-double strut configuration; M<sub>3</sub> mounts to lower surface of external tank

M<sub>4</sub> Strut-double strut configuration; M<sub>4</sub> mounts to upper surface of Orbiter body

Strut geometries and dimensional data are given in sketches of figures 2d and 2e. Each of the struts could be installed in one of two positions (forward or aft) on the integrated vehicle model. These positions, in terms of strut leading and trailing edge intersections with the body to which it is mated, are given in table IV.

Minor components which were installed on the major components or model assembly include the external tank protuberances, solid rocket protuberances, the attach structures, feedlines, and umbilical door beam. The specific components tested include simulation of the following.

<u>Designation</u>	<u>Item</u>	<u>Description</u>
PT <sub>1</sub>	ET protuberance	LOX vent line fairing on nose of ET
PT <sub>2</sub>	ET protuberance	LOX feed line (on main body ET)
PT <sub>3</sub>	ET protuberance	LH <sub>2</sub> vent line (on main body ET)
PS <sub>1</sub>	SRB protuberance	Electrical tunnel fairing (on side of SRB)
PS <sub>2</sub>	SRB protuberance	Attach ring (around dia. of SRB)
PS <sub>3</sub>	SRB protuberance	Separation rocket fairing (on nozzle of SRB)
AT <sub>5</sub>	Attach structure	Front Orbiter/ET
AT <sub>6</sub>	Attach structure	Left rear Orbiter/ET



AT <sub>7</sub>	Attach structure	Right rear Orbiter/ET
AT <sub>8</sub>	Attach structure	Front SRB/ET
AT <sub>9</sub>	Attach structure	Rear SRB/ET
FL <sub>1</sub>	Orbiter feedline	LOX feed line
FL <sub>2</sub>	Orbiter feedline	LH <sub>2</sub> feed line ...
FR <sub>1</sub>	Fairing	Modified umbilical door fairing (at rear of Orbiter between Orbiter and ET)

The model was supported in the tunnel on the arm of a special dual sting inserted in the base of the Orbiter model. When struts M<sub>1</sub>, M<sub>2</sub>, M<sub>2</sub><sup>1</sup>, and M<sub>3</sub> were installed, their outer ends were attached to and supported by the lower arm of the dual sting.

The following abbreviated nomenclature was used to facilitate writing of the various configurations.

<u>Symbol</u>	<u>Definition</u>
C <sub>1</sub>	OTS + P1 + P2 + A + L
OTS	Basic Orbiter, external tank and solid rocket boosters
P1	ET protuberances PT <sub>1</sub> , PT <sub>2</sub> , and PT <sub>3</sub>
P2	SRB protuberances PS <sub>1</sub> , PS <sub>2</sub> and PS <sub>3</sub>
A	Attach structures AT <sub>5</sub> , AT <sub>6</sub> , AT <sub>7</sub> , AT <sub>8</sub> and AT <sub>9</sub>
L	Orbiter feed lines FL <sub>1</sub> and FL <sub>2</sub>
F'	Modified umbilical door fairing FR <sub>1</sub>

M <sub>1</sub>	ET strut
M <sub>2</sub>	SRB strut-left side
M <sub>2</sub> '	SRB strut-right side
M <sub>3</sub>	ET strut-bottom of ET
M <sub>4</sub>	Orbiter strut-top of Orbiter

Configurations tested include:

C<sub>1</sub> F'

C<sub>1</sub> F' M<sub>1</sub> (1)

C<sub>1</sub> F' M<sub>2</sub> (1)

C<sub>1</sub> F' M<sub>2</sub>' (1) + wax fillet between ET and SRB

C<sub>1</sub> F' M<sub>3</sub> (1) M<sub>4</sub> (1)

C<sub>1</sub> F' M<sub>1</sub> (2)

Note: (1) represents strut in fwd position  
 (2) indicates strut in aft position

## TEST FACILITY DESCRIPTION

The Rockwell International Transonic Wind Tunnel is an intermittent blow down facility with a 7- by 7-foot tandem test section capable of testing force, duct, pressure, and flutter models at Mach numbers from 0.1 to 3.5.

Two synchronous motor-driven centrifugal compressors, operating in series, supply dry air at a rate of 40 lb/sec. to eight storage spheres having a total volume of 214,000 cu. feet. The air is dried to a moisture content of 0.001 lb. or less of water per lb. of dry air (approx. -35°F dew-point) and stored at a pressure of ten atmospheres. Flow from the air storage spheres is regulated by a servo controlled valve. The eight-foot diameter valve opens within two seconds to control and stabilize the settling chamber at a preselected pressure.

Downstream of the settling chamber is a fixed nozzle which provides a transition from the circular cross-section of the settling chamber to the rectangular cross-section of the variable nozzle. Two seven-foot wide steel plates, supported between parallel walls by hydraulic jacks, form the floor and ceiling of the flexible nozzle section. Changes in nozzle contours to produce variations in Mach number are accomplished by means of these jacks and require 30 to 50 minutes to complete.

Two test sections for supersonic, transonic, and subsonic testing are 7 ft. wide by 7 ft. high and are permanently installed in a tandem arrangement. The standard supersonic test section (for testing at Mach numbers greater than 1.3) is in the downstream end of the flexible nozzle. The

test section for subsonic and transonic operation is located downstream in the porous wall area. An access door to the test area is located in the variable diffuser.

The variable diffuser downstream of the porous wall area may be adjusted to provide subsonic Mach number control, to generate transonic Mach numbers, and to minimize start time for supersonic testing with models having high tunnel blockage.

An equivalent  $5^\circ$  conical expansion angle is provided in a fixed diffuser which completes the basic tunnel circuit. Downstream of the diffuser is a sound abatement muffler building where the air is exhausted to the atmosphere.

## DATA REDUCTION

All pressure data recorded during the test were reduced to pressure coefficient form. Individual base axial-force coefficients for the Orbiter, external tank, and solid rocket booster (one) were calculated in the following manner.

$$C_{A_{b_o}} = \frac{-1}{S_{ref}} (0.184 C_{p_1} + 0.170 C_{p_2} + 0.390 C_{p_3} + 0.214 C_{p_4})$$

$$C_{A_{b_t}} = \frac{-1}{S_{ref}} [0.072 (C_{p_5} + C_{p_9}) + 0.144 (C_{p_{10}} + C_{p_{14}} + C_{p_{15}}) \\ + 0.082 (C_{p_6} + C_{p_7} + C_{p_8}) + 0.164 (C_{p_{11}} + C_{p_{12}} + C_{p_{13}})]$$

$$C_{A_{b_s}} = \frac{-1}{S_{ref}} [0.0158 C_{p_{16}} + 0.0594 (C_{p_{19}} + C_{p_{20}} + C_{p_{21}} + C_{p_{22}}) \\ + 0.104 (C_{p_{17}} + C_{p_{18}})]$$

Incremental data were computed as follows:

$$\Delta (C_A \text{ or } C_p) = C_{p \text{ or } A} (\text{strut On}) - C_{p \text{ or } A} (\text{strut Off})$$

The following dimensions were used for reducing all pressure data to coefficient form.

<u>Parameter</u>	<u>Dimensions</u>	
	<u>Full Scale</u>	<u>Model Scale</u>
Reference Area ( $S_{ref}$ )	2690 ft <sup>2</sup>	6.198 in <sup>2</sup>
Reference Length ( $l_{ref}$ )	1328.3 in	5.313 in

Base Areas ( $A_b$ )

Orbiter	427.8 ft <sup>2</sup>	0.958 in <sup>2</sup> *
External Tank	572.55 ft <sup>2</sup>	1.319 in <sup>2</sup>
Solid Rocket Booster (one)	201.06 ft <sup>2</sup>	0.4632 in <sup>2</sup>

\* Represents sum of Orbiter model areas to be used in computation of  $C_{A_{b0}}$ .

TABLE I.

TEST : IA68 - TWT 281		DATE : 2-5-74	
TEST CONDITIONS			
MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.9	$6.7 \times 10^6$ /ft	6.9	35°-65°
1.2	$7.5 \times 10^6$ /ft	9.2	35°-65°
1.503	$9.7 \times 10^6$ /ft	12.9	35°-65°
1.991	$10.7 \times 10^6$ /ft	13.8	35°-65°
BALANCE UTILIZED: <u>N/A</u>			
	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	_____	_____	_____
SF	_____	_____	_____
AF	_____	_____	_____
PM	_____	_____	_____
RM	_____	_____	_____
YM	_____	_____	_____
COMMENTS:			

TABLE II.

TEST: IA 68 - TWT 281		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 2-5-74		
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES					NO. OF RUNS	MACH NUMBERS				TEST RUN NUMBERS
		$\alpha$	$\beta$	$M_1$	$M_2$	$M_3$	$M_4$	$M_5$		$M_6$	$M_7$	$M_8$	$M_9$	
RF4001	C <sub>1</sub> F'	0	0	-	-	-	-	0	1	0.9	1.2	1.5	2.0	
002	↓	A	0	-	-	-	-	0	4	6	7	30	35	
003	↓	0	B	-	-	-	-	-90°	4	9	8	29	36	
004	C <sub>1</sub> F' M <sub>1</sub>	A	0	1	-	-	-	0	4	13	12	27	38	
005	↓	0	B	1	-	-	-	-90°	4	10	11	28	37	
006	C <sub>1</sub> F' M <sub>2</sub>	0	0	-	-	-	-	-90°	2	14	15			
007	C <sub>1</sub> F' M <sub>2</sub> ' + fillet	A	0	-	-	-	1	0	4	20	21	32	33	
008	↓	0	B	-	-	-	1	+90°	3	19	18		34	
009	C <sub>1</sub> F' M <sub>3</sub> M <sub>4</sub>	A	0	-	-	1	1	0	3	24	25	26		
010	↓	0	B	-	-	1	1	-90°	2	23	22	31	39	
011	C <sub>1</sub> F' M <sub>1</sub>	A	0	2	-	-	-	0	2					
012	C <sub>1</sub> F' M <sub>2</sub>	0	0	-	-	-	-	-90°	1		16			
CP		7	13	19	25	31	37	43	49	55	67	75	76	
CAP. CABT. CAB2.		MACH.										3		
COEFFICIENTS		IDVAR (1) (D. A. 12) REV												
$\alpha$ ON $\beta$	SCHEDULES	$\alpha(A) = -4^\circ$ to $+4^\circ$ $\Delta\alpha = 2^\circ$ $\alpha(B) = +4^\circ$ to $-4^\circ$ $\Delta\alpha = 2^\circ$												

\* Strut position: 1 = fwd position; 2 = aft position



TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT: Body B58

GENERAL DESCRIPTION: Double Delta Wing Fuselage Per Lines VL70-000093, except  
nose modified to conform to Vehicle 3 configuration forward of Station 300 (Station 339  
on Lines VL70-000139)

Model Scale = 0.004

DRAWING NUMBER:

VL72-000061    VL70-000139  
VL70-000093

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length, in.	<u>1328.8</u>	<u>5.318</u>
Max. Width $X_{560}$ to $X_{1307}$ , in.	<u>218.0</u>	<u>0.864</u>
Max. Depth, in.	<u>239.0</u>	<u>0.956</u>
Fineness Ratio	<u>5.495</u>	<u>5.495</u>
Area		
Max. Cross-Sectional	<u>319.556</u>	<u>0.005</u>
Planform	<u>          </u>	<u>          </u>
Wetted	<u>          </u>	<u>          </u>
Base	<u>          </u>	<u>          </u>

TABLE III. - Continued.

MODEL COMPONENT: Canopy - C5

GENERAL DESCRIPTION: 2A Configuration Per NR Lines VL70-000002.

Scale Model = .004

DRAWING NUMBER: VL70-000002

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Sta. Fwd. Bulkhead	<u>391.00</u>	<u>1.564</u>
Sta. T. E.	<u>560.0</u>	<u>2.240</u>
Canopy Intersects Body ML	<u>391.00</u>	<u>1.564</u>
Fineness Ratio	<u>          </u>	<u>          </u>
Area		
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 COMMENT: Elevator E-18

GENERAL DESCRIPTION: 2A Configuration Per W-87, NR Lines VL70-000093

Data for (1) of (2) Sides

Model Scale = .004

DRAWING NUMBER:

VL70-000093

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area, FT <sup>2</sup>	<u>205.517</u>	<u>0.0033</u>
Span (equivalent), in.	<u>353.34</u>	<u>1.413</u>
Inb'd equivalent chord	<u>114.78</u>	<u>0.459</u>
Outb'd equivalent chord	<u>55.00</u>	<u>0.220</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>
Trailing Edge	<u>-10.02</u>	<u>-10.02</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>0.00010</u>
Product of area moment		

TABLE III. - Continued.

MODEL COMPONENT: F4 Body Flap

GENERAL DESCRIPTION: 2A Configuration Per NR Lines VL70-000094 "A"

Scale Model = .C04

DRAWING NUMBER: VL70-000094A

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length, in.	<u>84.70</u>	<u>0.3388</u>
Max. Width, in.	<u>265.00</u>	<u>1.060</u>
Max. Depth	<u>          </u>	<u>          </u>
Fineness Ratio	<u>          </u>	<u>          </u>
Area		
Max. Cross-Sectional		
Planform, ft <sup>2</sup>	<u>142.63715</u>	<u>0.002282</u>
Wetted	<u>          </u>	<u>          </u>
Base	<u>          </u>	<u>          </u>

TABLE III. - Continued.

MODEL COMPONENT: OMS PODS-M3

GENERAL DESCRIPTION: 2A Light WT Configuration: per MC120074.

Per NR Lines VL70-000094.

Scale Model = .004

DRAWING NUMBER: VL70-000094

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length, in.	<u>346.0</u>	<u>1.384</u>
Max. Width, in.	<u>108.0</u>	<u>0.432</u>
Max. Depth, in.	<u>72.8</u>	<u>0.291</u>
Fineness Ratio	_____	_____
Area		
Max. Cross-Sectional	_____	_____
Planform	_____	_____
Wetted	_____	_____
Base	_____	_____

g of OMS POD:

WP = 463.9 inches FS; WP 400.0 + 63.9 = 463.90 INFS  
1.600 + .2556 = 1.8556 INMS

BP = 80.0 in. FS; 0.320 INMS

From Fuselage Station 1214.0 to 1560 INFS = 346.0 INFS  
4.856 to 6.240 = 1.384 INMS

Table. III. - Continued  
MODEL DIMENSIONAL DATA

MODEL COMPONENT: SRB PROTUBERANCE: PS<sub>1</sub>

GENERAL DESCRIPTION: Electrical tunnel fairing on top of each SRB.

MODEL SCALE: 0.0040

DRAWING NO.: NONE

DIMENSIONS (DATA FOR 1 of 2):

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at X <sub>B</sub>	<u>467.00</u>	<u>1.868</u>
Centerline of tunnel Y <sub>B</sub>	<u>0</u>	<u>0.</u>
Trailing edge at X <sub>B</sub>	<u>1820.0</u>	<u>7.280</u>
Height	<u>3.0</u>	<u>0.012</u>
Width	<u>6.0</u>	<u>0.024</u>
L.E., Degrees	<u>72.0</u>	<u>0.288</u>

Table III. - Continued  
MODEL DIMENSIONAL DATA

MODEL COMPONENT: SRB PROTUBERANCE - P32

GENERAL DESCRIPTION: SRB/ET attach ring.

MODEL SCALE: 0.0040

DRAWING NO.: VL77-000036A

DIMENSIONS (DATA FOR 1 of 2):

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Centerline at X	<u>1515.00</u>	<u>6.060</u>
Width	<u>10.00</u>	<u>0.040</u>
Height	<u>10.00</u>	<u>0.040</u>

Table III. - Continued  
MODEL DIMENSIONAL DATA

MODEL COMPONENT: SRB PROTUBERANCE - PS<sub>3</sub>

GENERAL DESCRIPTION: Separation rocket fairing on each SRB nozzle shroud located 30° inboard from top centerline.

MODEL SCALE: 0.0040

DRAWING NO.: VL77-000036A

DIMENSIONS: (FOR 1 OF 2)	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at X <sub>B</sub>	<u>1796.00</u>	<u>7.184</u>
Trailing edge at X <sub>B</sub>	<u>1889.00</u>	<u>7.556</u>

Radial location is 30° inboard from top centerline.



TABLE III. - Continued.

MODEL COMPONENT: Rudder 25

GENERAL DESCRIPTION: 2A Configuration Per NR Lines VL70-000095.

Scale Model - .004

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>0.0016</u>
Span (equivalent), in.	<u>201.0</u>	<u>0.804</u>
Inb'd equivalent chord	<u>91.585</u>	<u>0.366</u>
Outb'd equivalent chord	<u>50.833</u>	<u>0.203</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>34.83314</u>	<u>34.83314</u>
Trailing Edge	<u>26.24915</u>	<u>26.24915</u>
Hingeline	<u>34.83314</u>	<u>34.83314</u>
Area Moment (Normal to hinge line), FT <sup>3</sup>	<u>526.125</u>	<u>0.00003</u>
Product of area and mean chord		

TABLE III. - Continued.

MODEL COMPONENT: Vertical Tail VS (Light Wt. Orbiter Config)  
 GENERAL DESCRIPTION: Center Line Vertical Tail on the Double Delta Configuration with Double Wedge Airfoil and Rounded Leading Edge, Total Data Includes Void Area Listed Below Scale Model = .004

DRAWING NUMBER: VL70-000095

DIMENSIONS: FULL-SCALE MODEL SCALE

TOTAL DATA

Area, FT <sup>2</sup>	386.05	0.006
* Void (included above), FT <sup>2</sup>	13.17	0.0002
Blanketed included above, FT <sup>2</sup>	12.67	0.0002
Span (equivalent), FT	24.37	0.097
Aspect Ratio	1.590	1.590
Rate of Taper	0.507	0.507
Taper Ratio	0.426	0.426
Dihedral Angle, degrees	--	--
Incidence Angle, degrees	--	--
Aerodynamic Twist, degrees	--	--
Toe-In Angle	0.0	0.0
Cont Angle	0.0	0.0
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	26.249	26.249
0.25 Element Line	41.130	41.130
Chords:		
Root (Wing Sta. 0.0)	257.99	1.032
Tip, (equivalent)	109.78	0.439
MAC	193.84	0.775
Fus. Sta. of .25 MAC	1473.64	5.895
W.P. of .25 MAC	647.51	2.589
B.L. of .25 MAC	0.0	0.0
Airfoil Section		
Root		
Tip		

EXPOSED DATA

Area		
Span, (equivalent)		
Aspect Ratio		
Taper Ratio		
Chords		
Root		
Tip		
MAC		
Fus. Sta. of .25 MAC		
W.P. of .25 MAC		
B.L. of .25 MAC		

\*Void area noted is the area located at lower aft portion of tail surface.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABLE III.— Continued

MODEL COMPONENT: Wing W-87 New Light Weight

GENERAL DESCRIPTION: Orbiter Configuration per lines VL70-000093

Scale Model = .004

DRAWING NUMBER: VL70-000093

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA

Area, FT <sup>2</sup> (W.R.P.)	2689.38	0.043
Planform	--	--
Wetted	77.12	0.308
Span (equivalent), FT	2.214	2.214
Aspect Ratio	1.176	1.176
Rate of Taper	0.209	0.209
Taper Ratio	3.360	3.860
Dihehedral Angle, degrees 75.33° element	3.000	3.000
Incidence Angle, degrees 1.425° line	--	--
Aerodynamic Twist, degrees	--	--
Toe-In Angle	--	--
Cant Angle	--	--
Sweep Back Angles, degrees	44.873	44.873
Leading Edge	-10.242	-10.242
Trailing Edge	35.050	35.050
0.25 Element Line		
Chords:	690.19	2.761
Root (Wing Sta. 0.0)	144.30	0.577
Tip, (equivalent)	476.76	1.907
MAC	1136.12	4.544
Fus. Sta. of .25 MAC	289.44	1.153
W.P. of .25 MAC	181.03	0.724
B.L. of .25 MAC		
Airfoil Section		
Root		
Tip		

EXPOSED DATA

Area, FT <sup>2</sup>	1746.87	6.987
Span, (equivalent), FT	59.16	0.237
Aspect Ratio	2.004	2.004
Taper Ratio	0.256	0.256
Chords	562.77	2.251
Root	144.30	0.577
Tip	394.81	1.579
MAC	1185.17	4.741
Fus. Sta. of .25 MAC	291.56	1.166
W.P. of .25 MAC	250.54	1.002
B.L. of .25 MAC		
<u>LEADING EDGE CUFF</u> (data for (1) side)		
Plan form area, FT <sup>2</sup> (BP 108.0)	120.333	0.0019
L.E. Intersect Fus ML @ STA	560.0	2.240
L.E. Intersects Wing @ STA	1035.0	4.140

TABLE III. - Continued.

MODEL COMPONENT: EXTERNAL TANK - T17

GENERAL DESCRIPTION: External Tank nec NU Control VL78-000011B

Model Scale = 0.004

DRAWING NUMBER: VL78-000011B

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length, in.	<u>1865</u>	<u>7.460</u>
Max. Width (Dia), in.	<u>324.0</u>	<u>1.296</u>
Max. Depth	<u>          </u>	<u>          </u>
Fineness Ratio, L/D	<u>5.75617</u>	<u>5.75617</u>
Area, Ft <sup>2</sup>		
Max. Cross-Sectional	<u>572.56</u>	<u>0.009161</u>
Planform	<u>          </u>	<u>          </u>
Wetted	<u>          </u>	<u>          </u>
Base	<u>          </u>	<u>          </u>

TABLE III. - Concluded

MODEL COMPONENT: BOOSTER SOLID ROCKET MOTOR - S16

GENERAL DESCRIPTION: Configuration 3A, Data for (1) of (2) stages, per Rockwell

Lines VL77-000036A

Model Scale = 0.004

DRAWING NUMBER: VL72-000088A  
VL77-000036A

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length (Includes Nozzle), in.	<u>1741.0</u>	<u>6.9640</u>
Max. Width (Tank Dia), in.	<u>142.3</u>	<u>0.5692</u>
Max. Depth (Aft Shroud), in.	<u>192.0</u>	<u>0.7680</u>
Fineness Ratio, L/D	<u>9.06771</u>	<u>9.06771</u>
Area, Ft <sup>2</sup>		
Max. Cross-Sectional	<u>201.06193</u>	<u>0.00322</u>
Planform	<u>                    </u>	<u>                    </u>
Wetted	<u>                    </u>	<u>                    </u>
Base	<u>                    </u>	<u>                    </u>
WP of BSRM Centerline (Z <sub>T</sub> ), in.	<u>400</u>	<u>1.6000</u>
FS of BSRM Nose (X <sub>T</sub> ), in.	<u>200</u>	<u>0.8000</u>

TABLE IV.

X Coordinates of Strut Leading and Trailing Edge Intersections  
with Body Profiles (Full Scale Dimensions).

Strut	Position	Leading Edge	Trailing Edge
M1	Forward	$X_t = 711$	$X_t = 1735$
	Aft	$X_t = 1028$	$X_t = 2052$
M2 & M2'	Forward	$X_s = 388$	$X_s = 1412$
	Aft	$X_s = 772$	$X_s = 1796$
M3	Forward	$X_t = 711$	$X_t = 1554.8$
	Aft	$X_t = 1208.2$	$X_t = 2052$
M4	Forward	$X_o = 550$	$X_o = 1225$
	Aft	$X_o = 599$	$X_o = 1274$

TABLE V.

Nominal Wing Pressure Orifice Locations (Full Scale Dimensions)

Measurement Number		Body Coordinates*		Location, Percent	
Upper	Lower	X <sub>o</sub>	-Y <sub>o</sub>	Chord	Semispan
23	31	1112.0	234.0	10.2	49.96
24	32	1194.5	234.0	30.1	49.96
25	33	1276.8	234.0	50.0	49.96
26	34	1359.5	234.0	70.0	49.96
27	-	1442.0	234.0	89.9	49.96
28	35	1250.0	169.0	50.0	36.1
25**	33**	1276.8	234.0	50.0	49.96
29	36	1303.6	299.0	50.0	63.8
30	37	1330.3	364.0	50.0	77.7

\*Refer to Drawing VL70-000093.

\*\*Repeated for spanwise sample.

TABLE VI.

Nominal Locations, Orbiter Base Pressure Orifices

Measurement Number	Orifice Location			
	Full Scale		Model Scale	
	Y <sub>o</sub>	Z <sub>o</sub>	Y <sub>o</sub>	Z <sub>o</sub>
1	0	493	0	1.972
2	-106	492	-.424	1.968
3	-92.5	400	-.370	1.600
4	0	304.8	0	1.219

TABLE VII.

Nominal Locations of External Tank Pressure Orifices (Full Scale Dimensions)

Measurement Number	Angular* Displacement (degrees)	Radial Distance (inches)
5	0	162.0
6	0	81.0
7	0	0
8	180	81.0
9	180	162.0
10	135	162.0
11	135	81.0
12	90	81.0
13	45	81.0
14	45	162.0
15	90	162.0

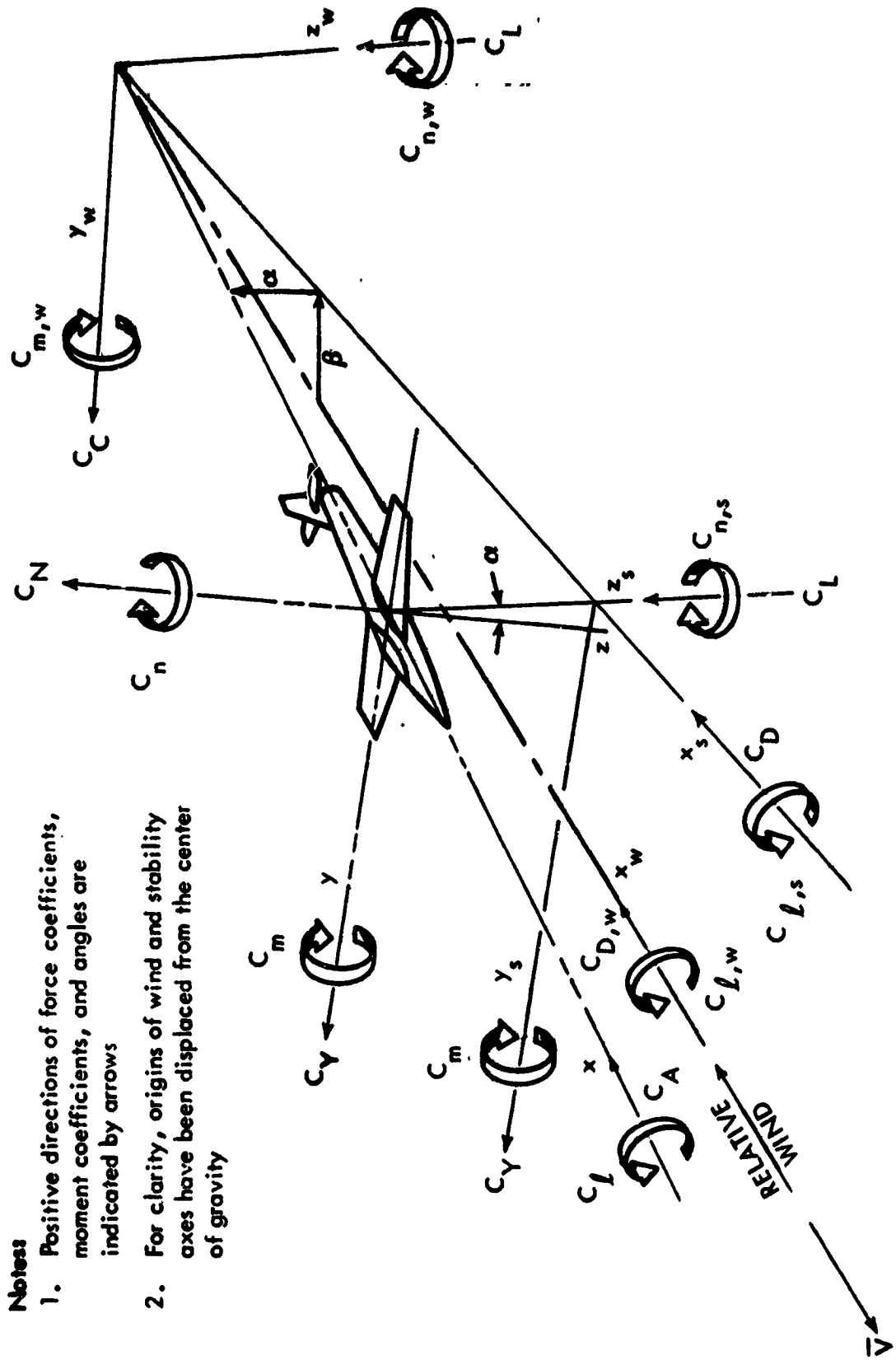
TABLE VIII.

Nominal Locations of Solid Rocket Pressure Orifices (Full Scale Dimensions)

Measurement Number	Angular* Displacement (degrees)	Radial Distance (inches)
16	0	0
17	90	83.5
18	270	83.5
19	0	35.5
20	180	35.5
21	90	35.5
22	270	35.5

\*Angular displacements measured counterclockwise from top of the body as viewed from rear.

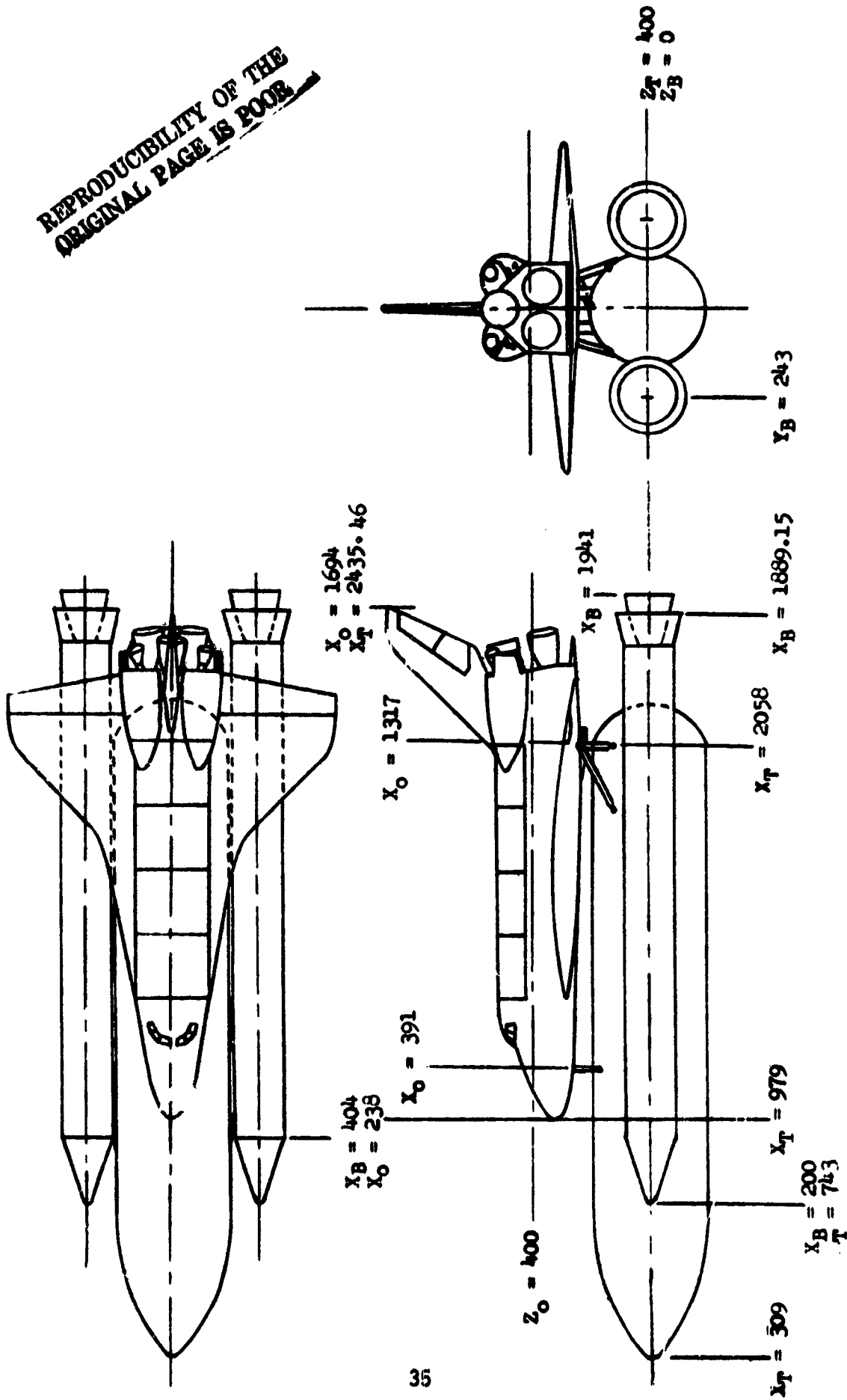




- Notes**
1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
  2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

Figure 1. - Axis systems.

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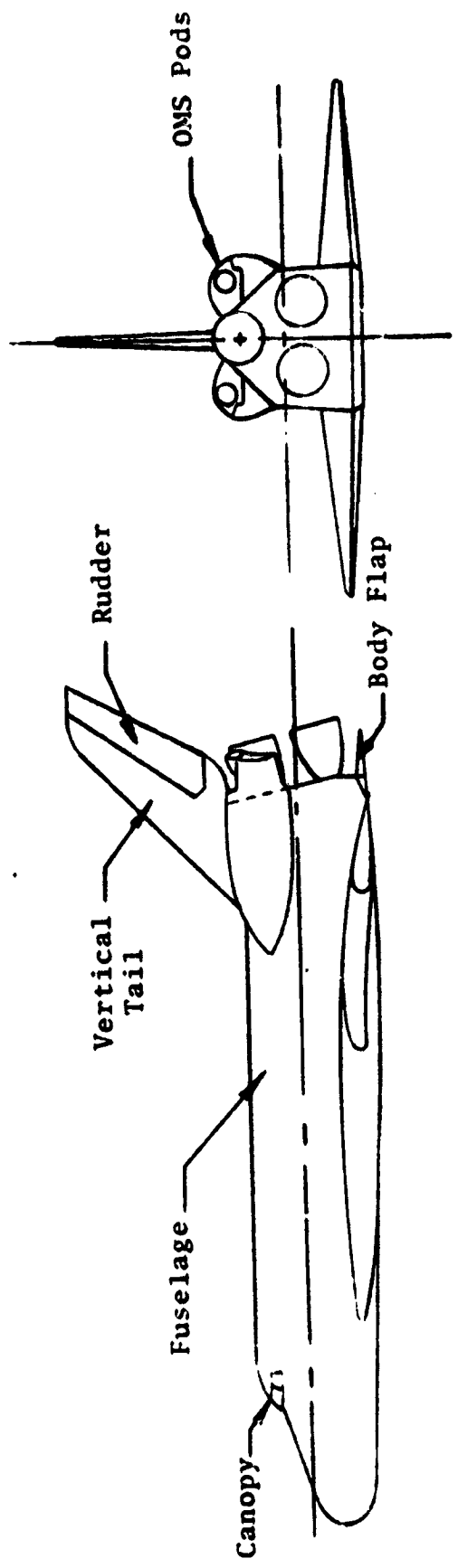
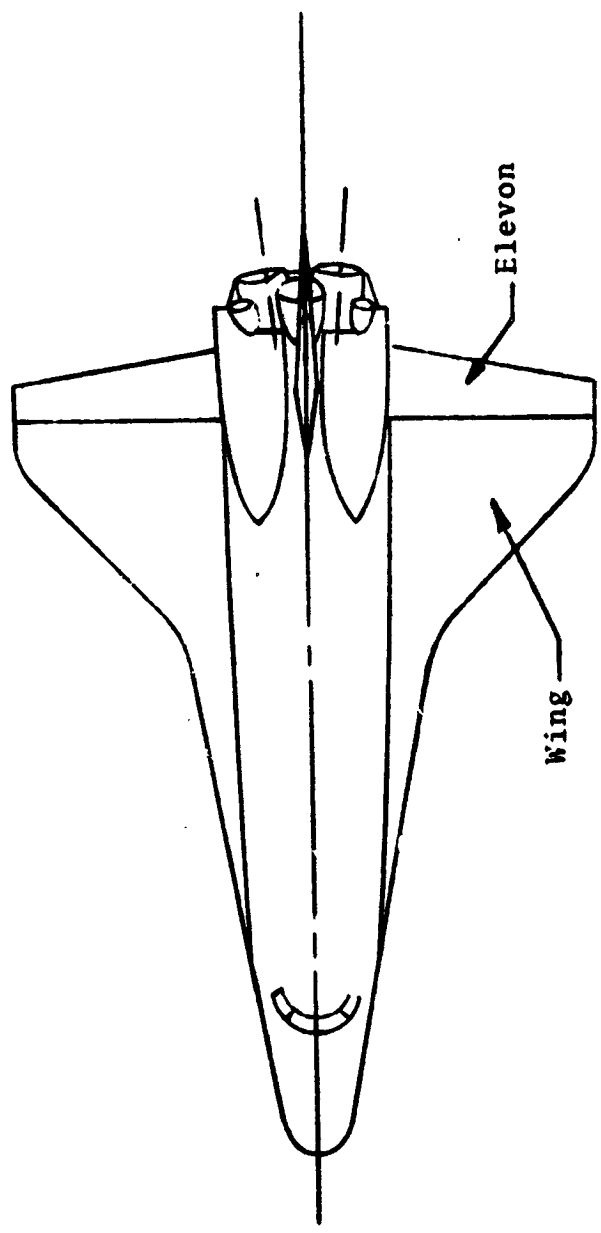


a. Mated Vehicle

Figure 2. - Model sketches.

Reference    Dimension

Area        Sw = 2690 ft<sup>2</sup>  
Length      L = 1328.3 in-

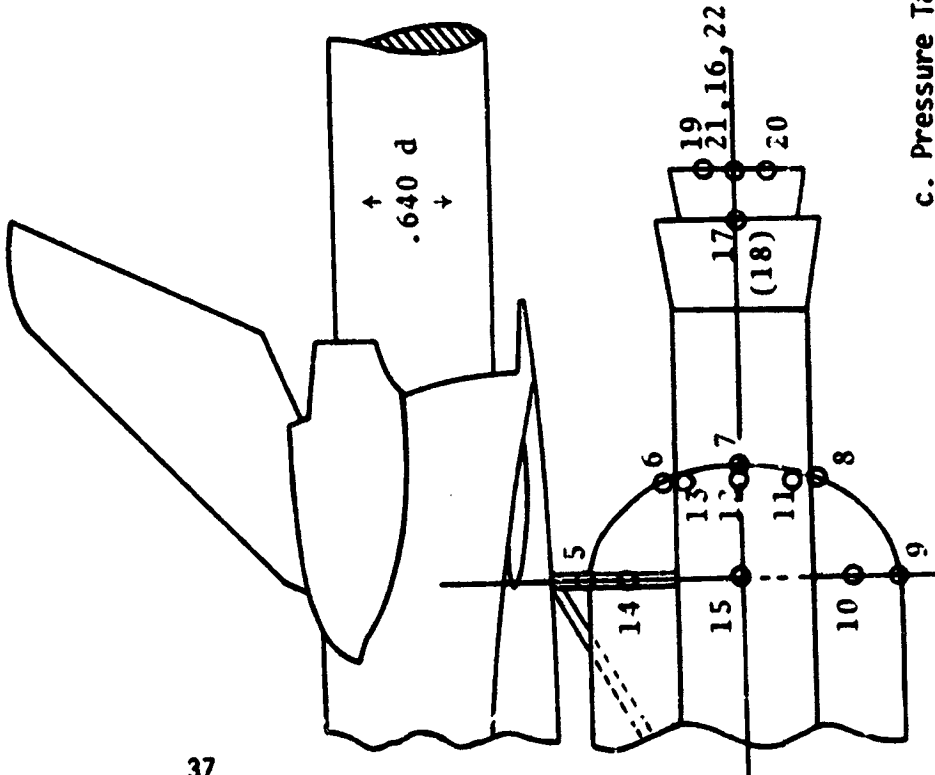
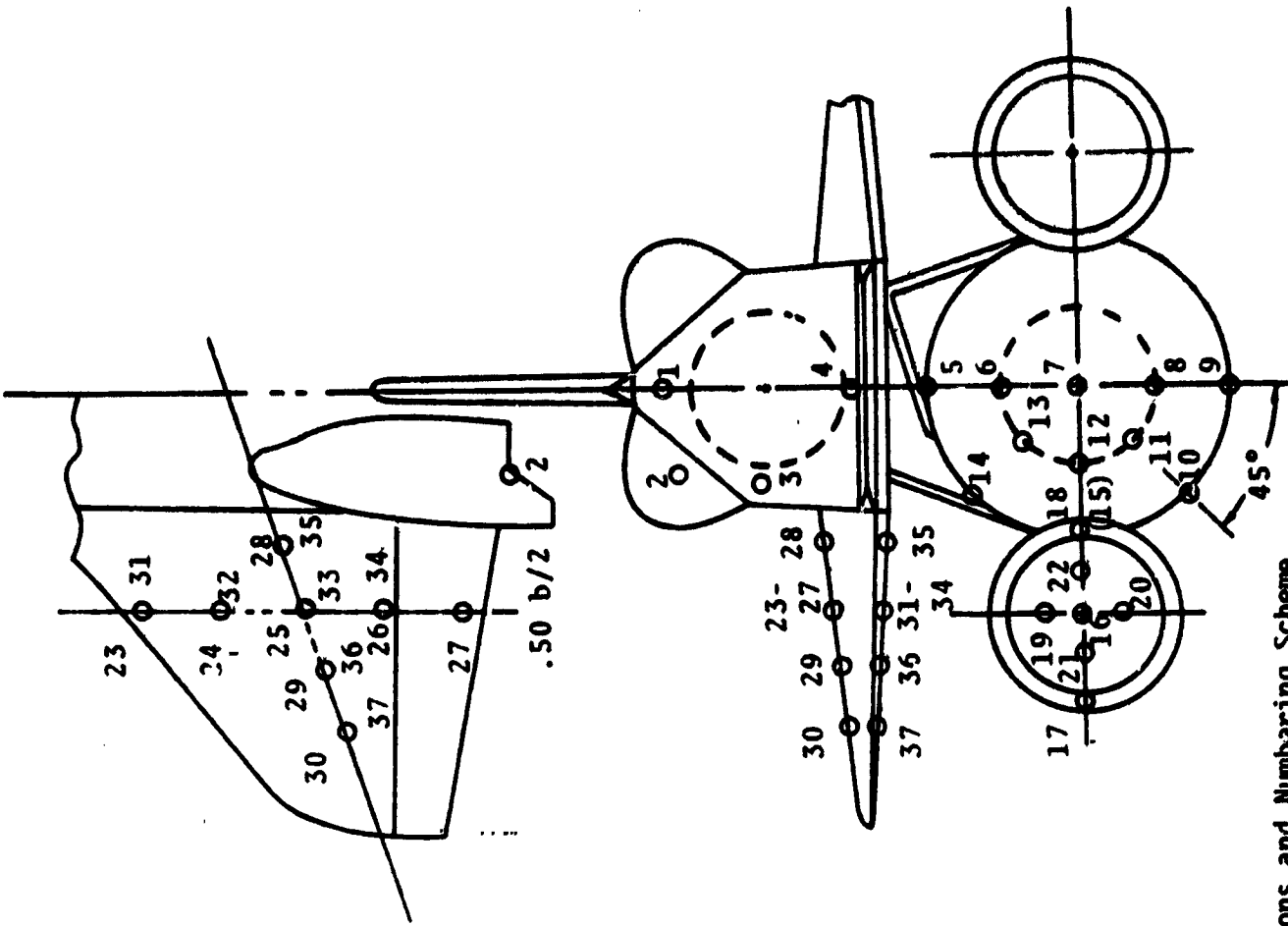


b. Orbiter Three View

Figure 2. - Continued.

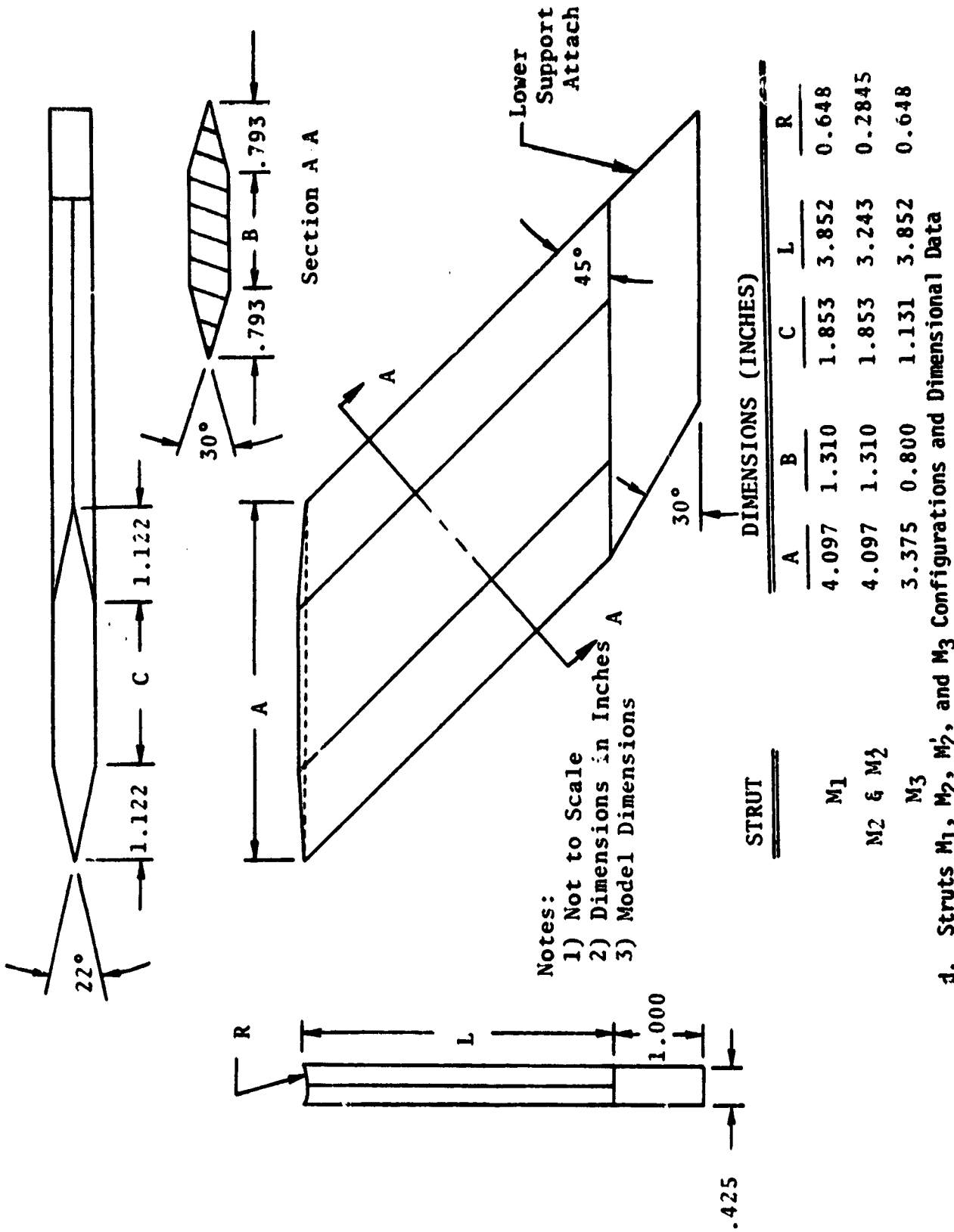
Pressure Tap Numbering

- Orbiter Base 1-4
- External Tank Base 5-15
- Solid Rocket Booster Base 16-22
- Orbiter Wing Upper 23-30
- Orbiter Wing Lower 31-37



c. Pressure Tap Locations and Numbering Scheme

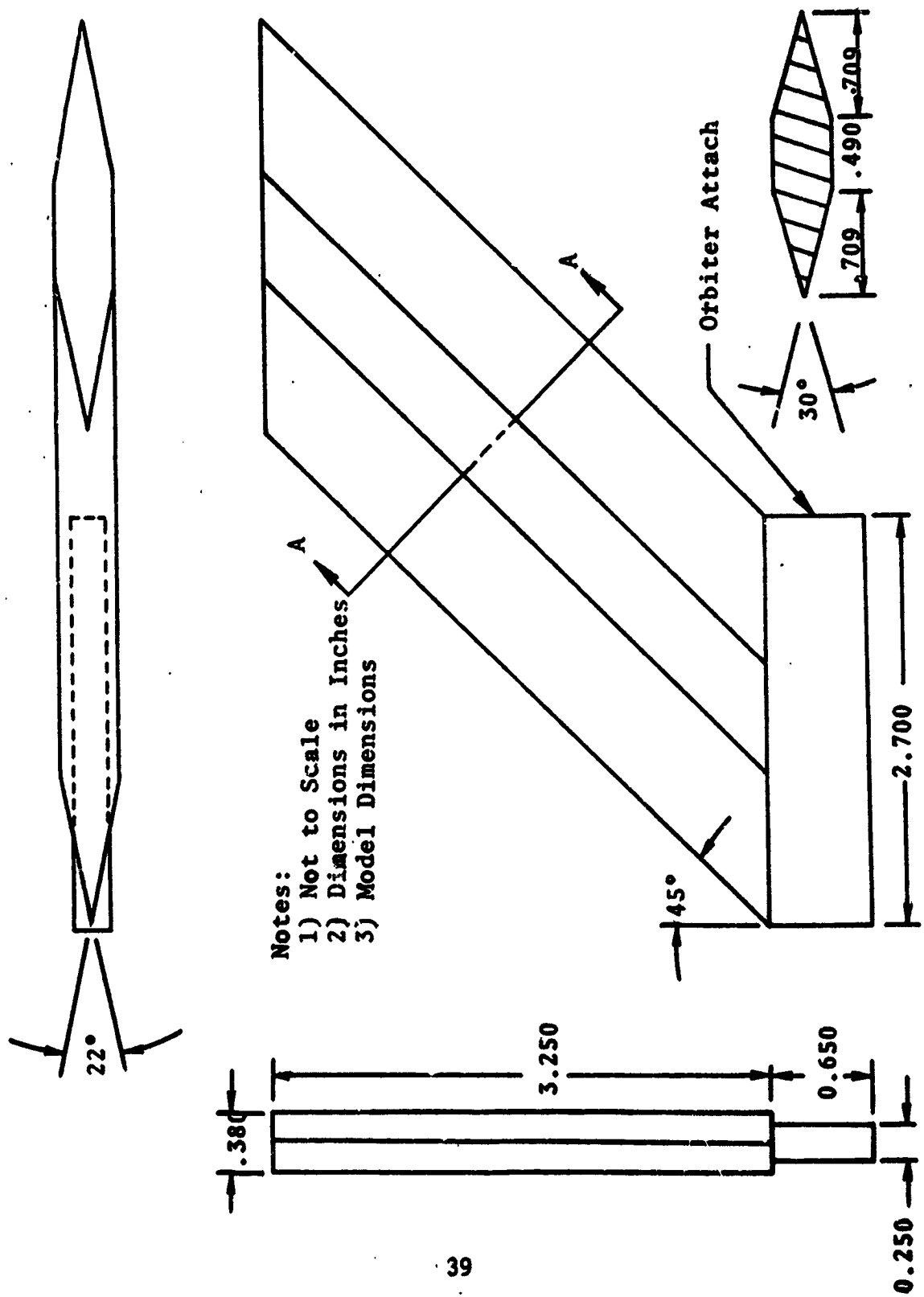
Figure 2. - Continued.



d. Struts M<sub>1</sub>, M<sub>2</sub>, M<sub>2</sub><sub>1</sub>, and M<sub>3</sub> Configurations and Dimensional Data

Figure 2. - Continued.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



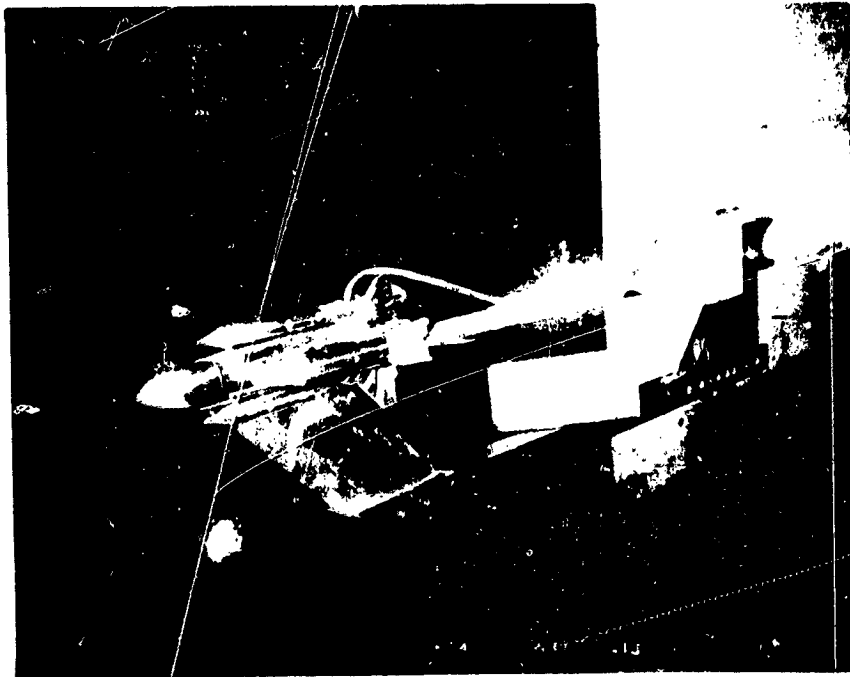
Notes:

- 1) Not to Scale
- 2) Dimensions in Inches
- 3) Model Dimensions

e. Strut M4 Configuration and Dimensional Data  
Figure 2. - Concluded.

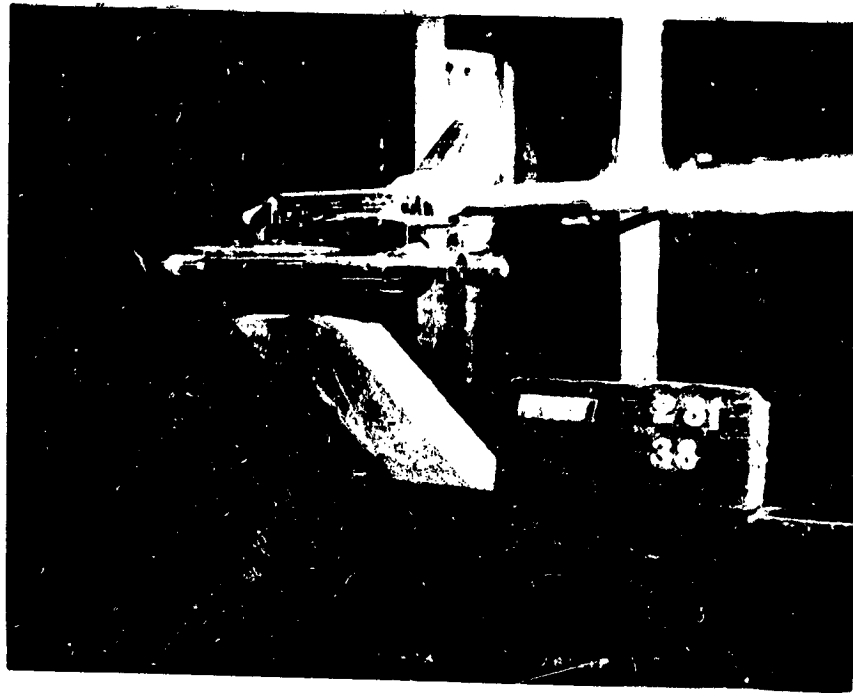


a. Baseline Configuration  $C_1 F'$

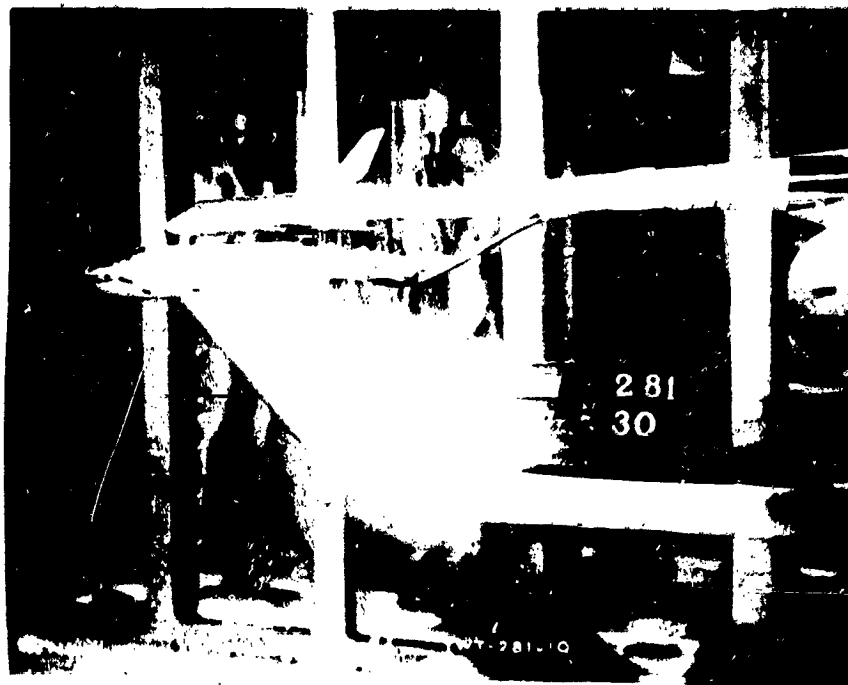


b. Solid Rocket Booster Mounted Strut - Right Side  $C_1 F' M_2 (1)$

Figure 3. - Model photographs.



c. External Tank Mounted Strut - Fwd Position  $C_1 F' M_1$  (1)

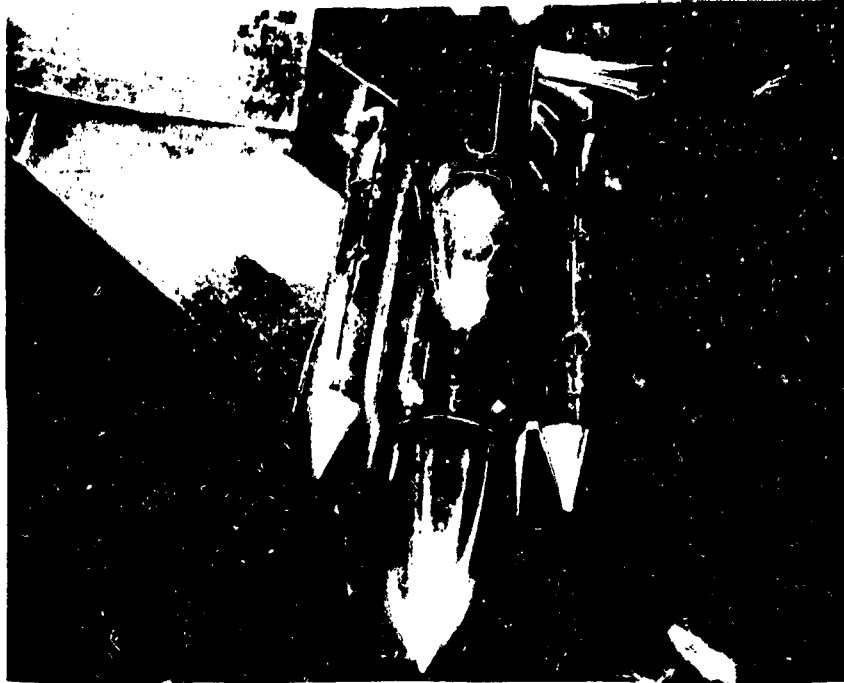


d. External Tank Mounted Strut - Aft Position  $C_1 F' M_1$  (2)

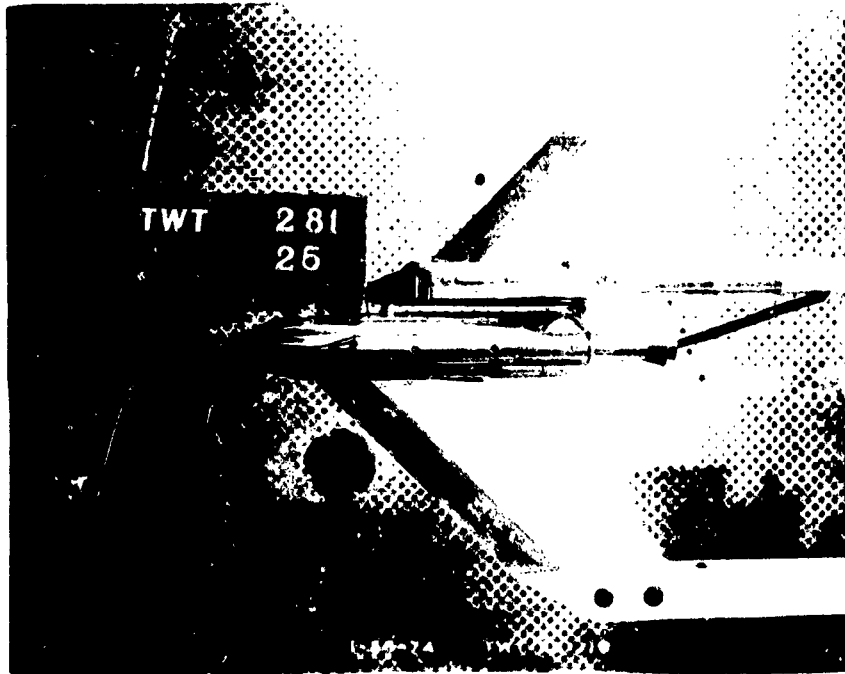
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Figure 3. - Continued





e. Solid Rocket Booster Mounted Strut - Left Side  $C_1 F' M_2^1 (1) + \text{wax fillet}$



f. External Tank and Orbiter Mounted Struts  $C_1 F' M_3 (1) M_4 (1)$

Figure 3. - Concluded.

DATA FIGURES - FORCE

(AF4001)

IA68 C1 F1

SYMBOL DATA PARAMETRIC VALUES  
CAB0 ALPHA .000 BETA .000  
CAB1  
CAB5

REFERENCE INFORMATION  
SREF 2650.0000 SQ.FT.  
LREF 1328.3000 IN.  
BREF 1328.3000 IN.  
XMRP .0000  
YMRP .0000  
ZMRP .0000  
SCALE .0010

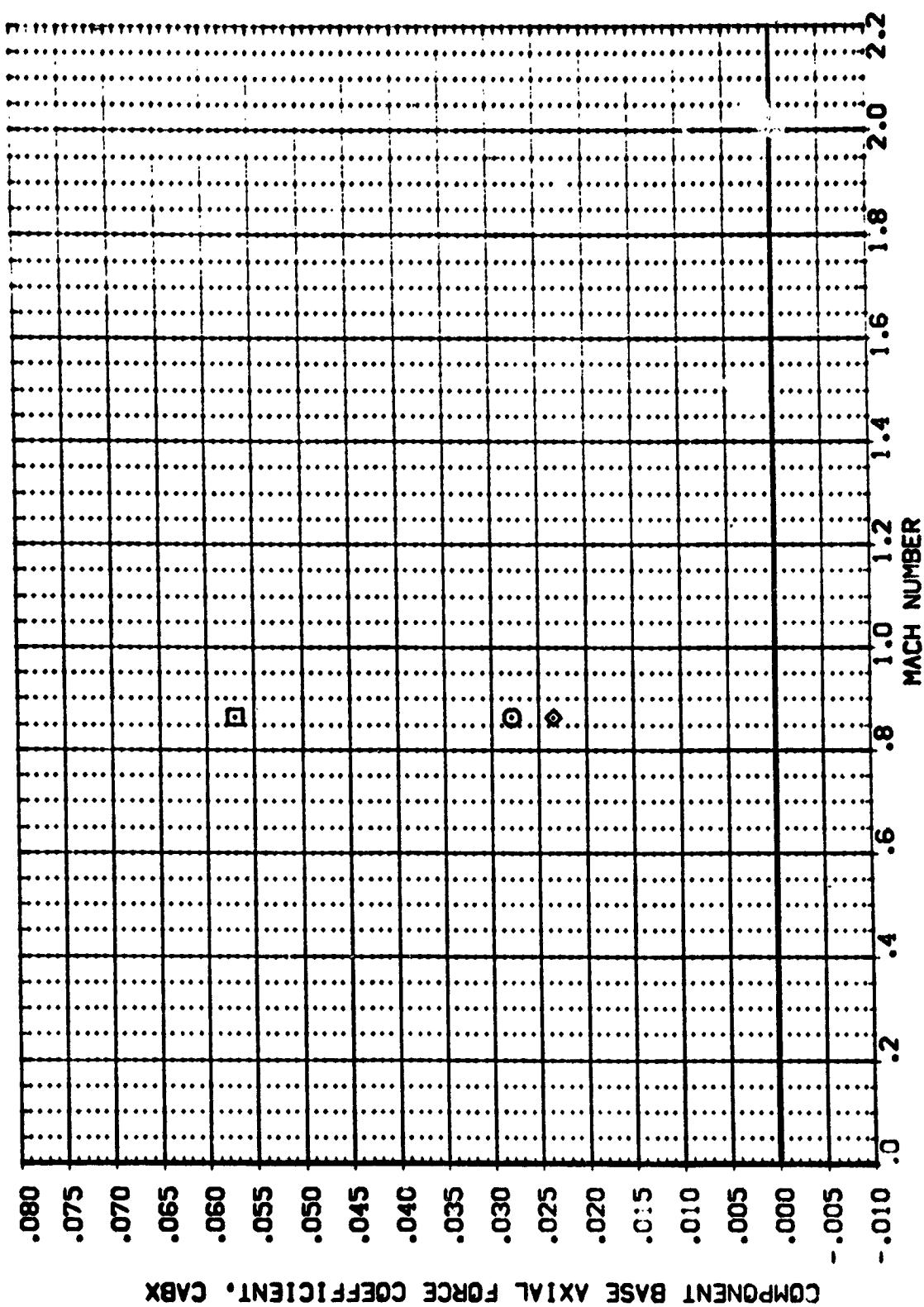


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4002)

IA68 C1 F1

SYMBOL DATA  
□ CAB0  
□ CABT  
◇ CAB5

PARAMETRIC VALUES  
ALPHA -1.000 BETA .000

REFERENCE INFORMATION  
SREF 7690.0000 SQ.FT.  
LREF 1378.3000 IN.  
BREF 1.3783000  
XMRP .0000  
YMRP .0000  
ZMRP .0000  
SCALE .0010

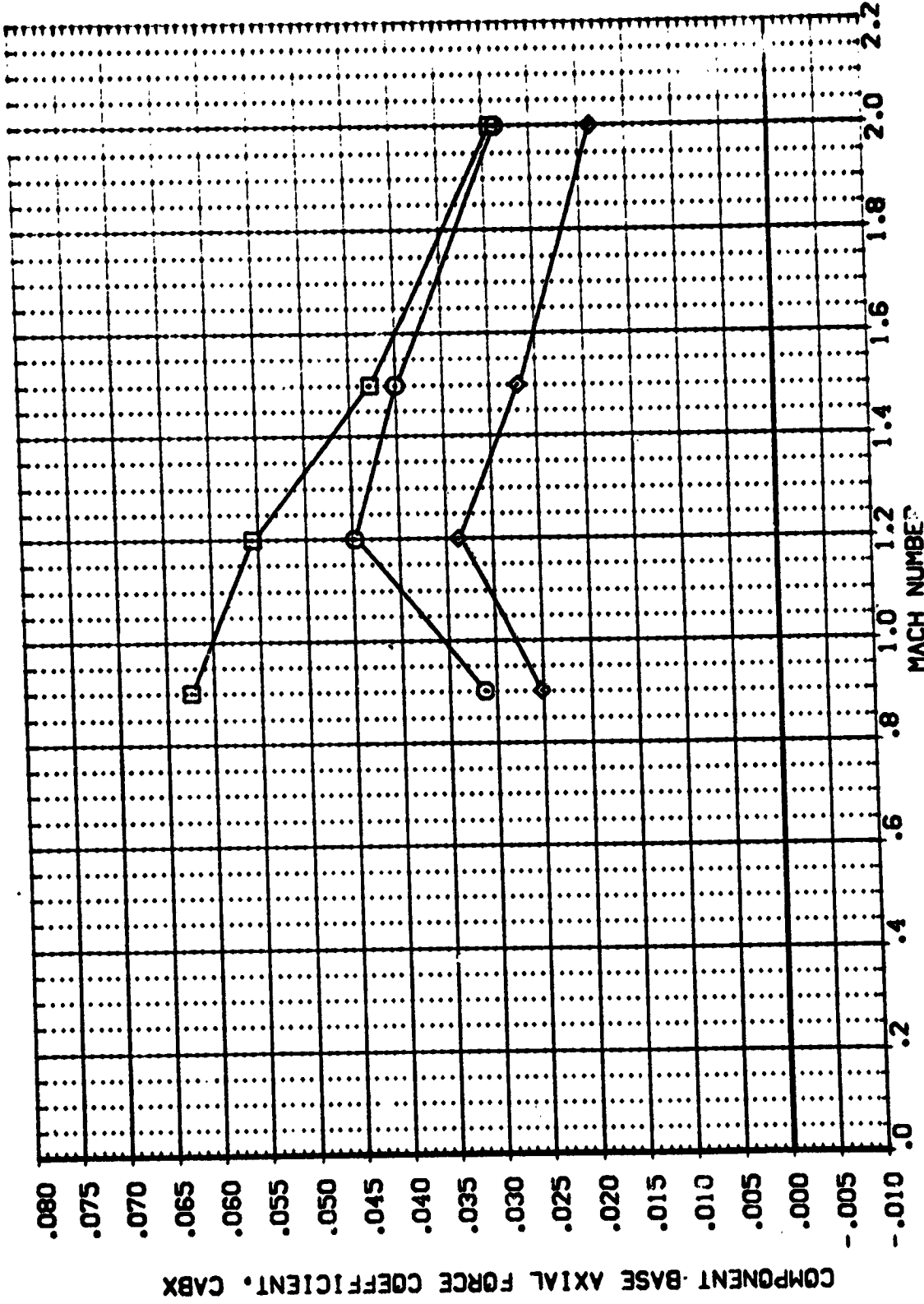


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF4002)

IA68 C1 F1

SYMBOL DATA  
○ CAB0  
□ CAB1  
◇ CAB5

PARAMETRIC VALUES  
ALPHA -2.000 BETA .000

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
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BREF 1378.3000 IN.  
XPRP .0000  
YPRP .0000  
ZPRP .0000  
SCALE .0040

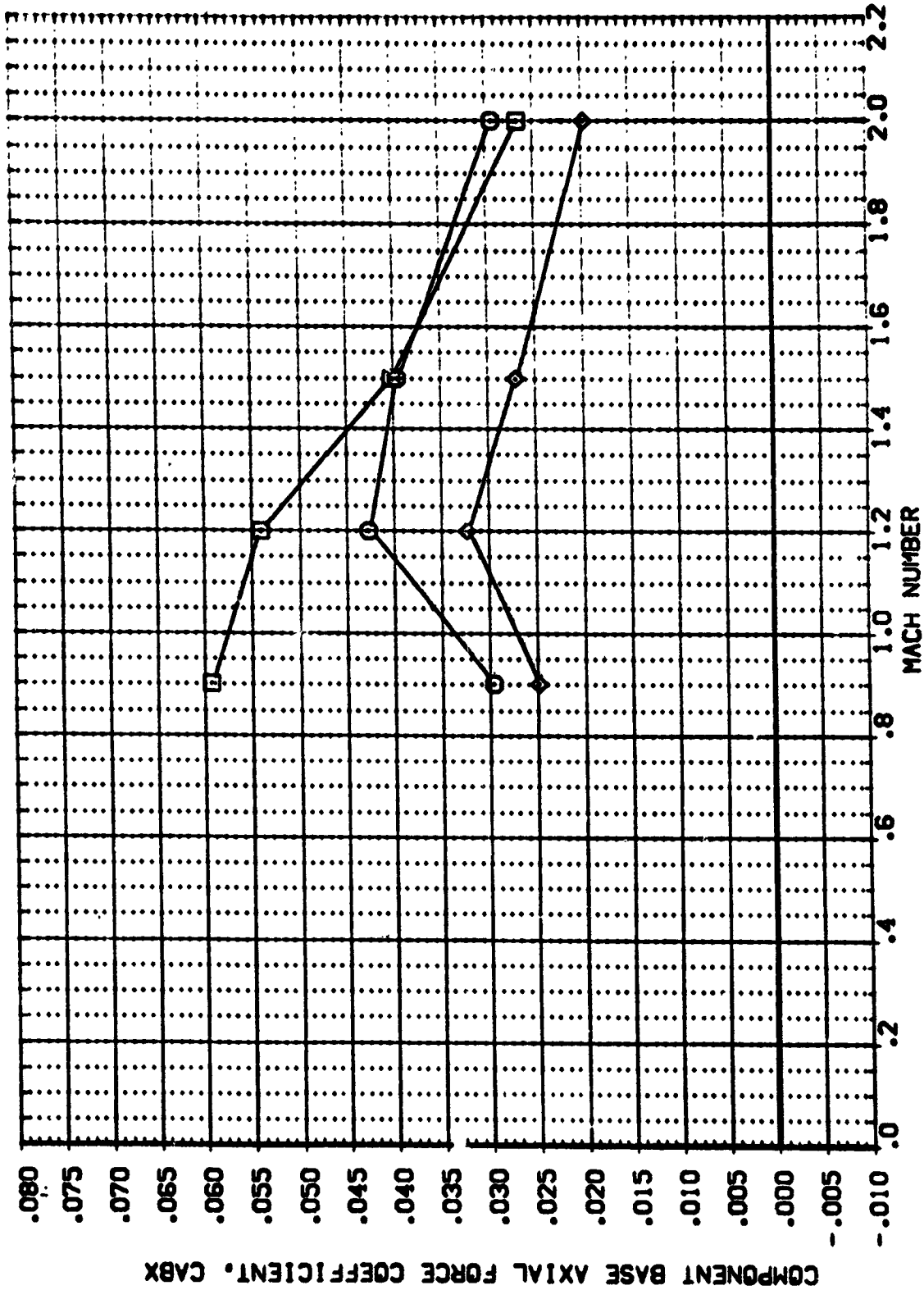


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4002)

IA68 C1 F1

SYMBOL DATA  
○ CABD  
□ CABT  
◇ CABX

PARAMETRIC VALUES  
ALPHA .000 BETA .000

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
LREF 1378.5000 IN.  
BREF 1378.5000 IN.  
XPRP .0000  
YPRP .0000  
ZPRP .0000  
SCALE .0040

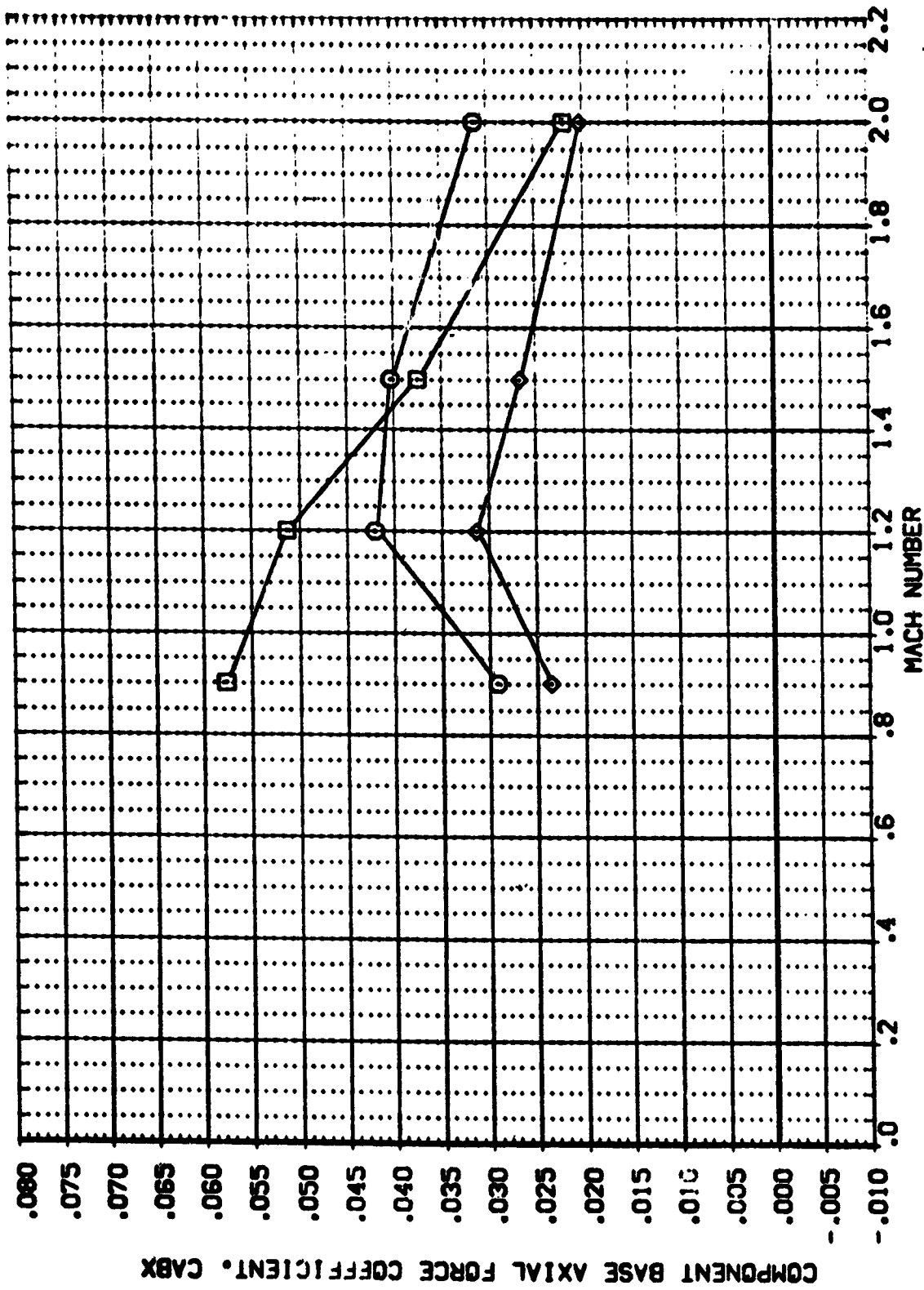


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF4002)

IA68 C1 F1

SYMBOL DATA  
○ CAB0  
□ CABT  
◇ CAB5

PARAMETRIC VALUES  
ALPHA 2.000 BETA .000

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
LREF 1328.3000 IN.  
BREF 1328.3000 IN.  
XTRP .0000  
YTRP .0000  
ZTRP .0000  
SCALE .0010

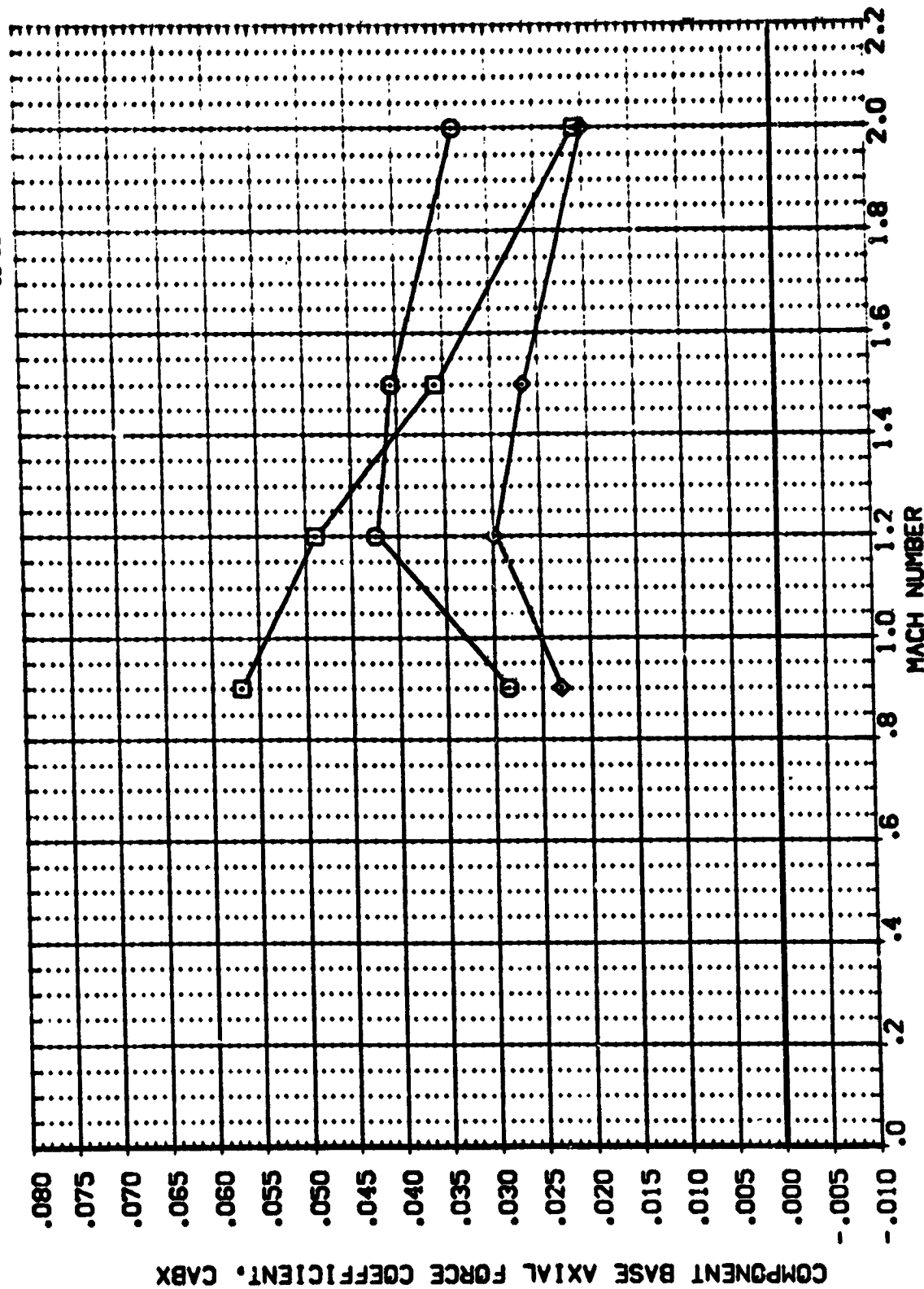


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4002)

IA68 C1 F1

SYMBOL DATA  
□ CAB0  
□ CAB1  
◇ CAB5

PARAMETRIC VALUES  
ALPHA 4.000 BETA .000

REFERENCE INFORMATION  
SREF 2680.0000 SQ.FT.  
LREF 1.328.0000 IN.  
BREF 1.328.0000 IN.  
XREF .0000  
YREF .0000  
ZREF .0000  
SCALE .0040

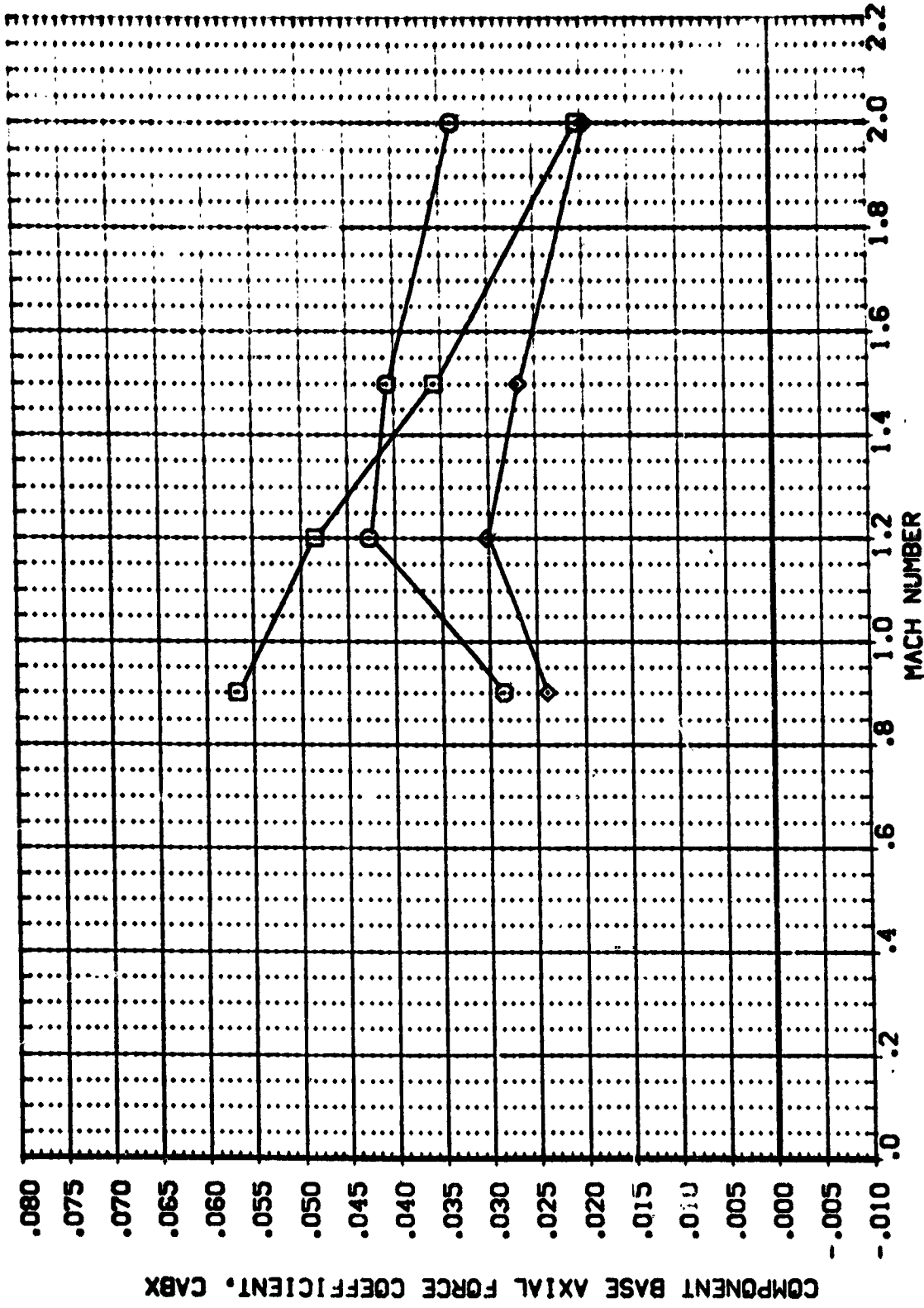


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS





(AF 4003)

IA68 C1 F1

DATA CABO CABT CABG  
BETA -1.000 ALPHA .000

REFERENCE INFORMATION  
SREF 2690.0000  
REF 1378.2000  
BREF 1328.2000  
XMRP .0000  
YMRP .0000  
ZMRP .0000  
SCALE .0010

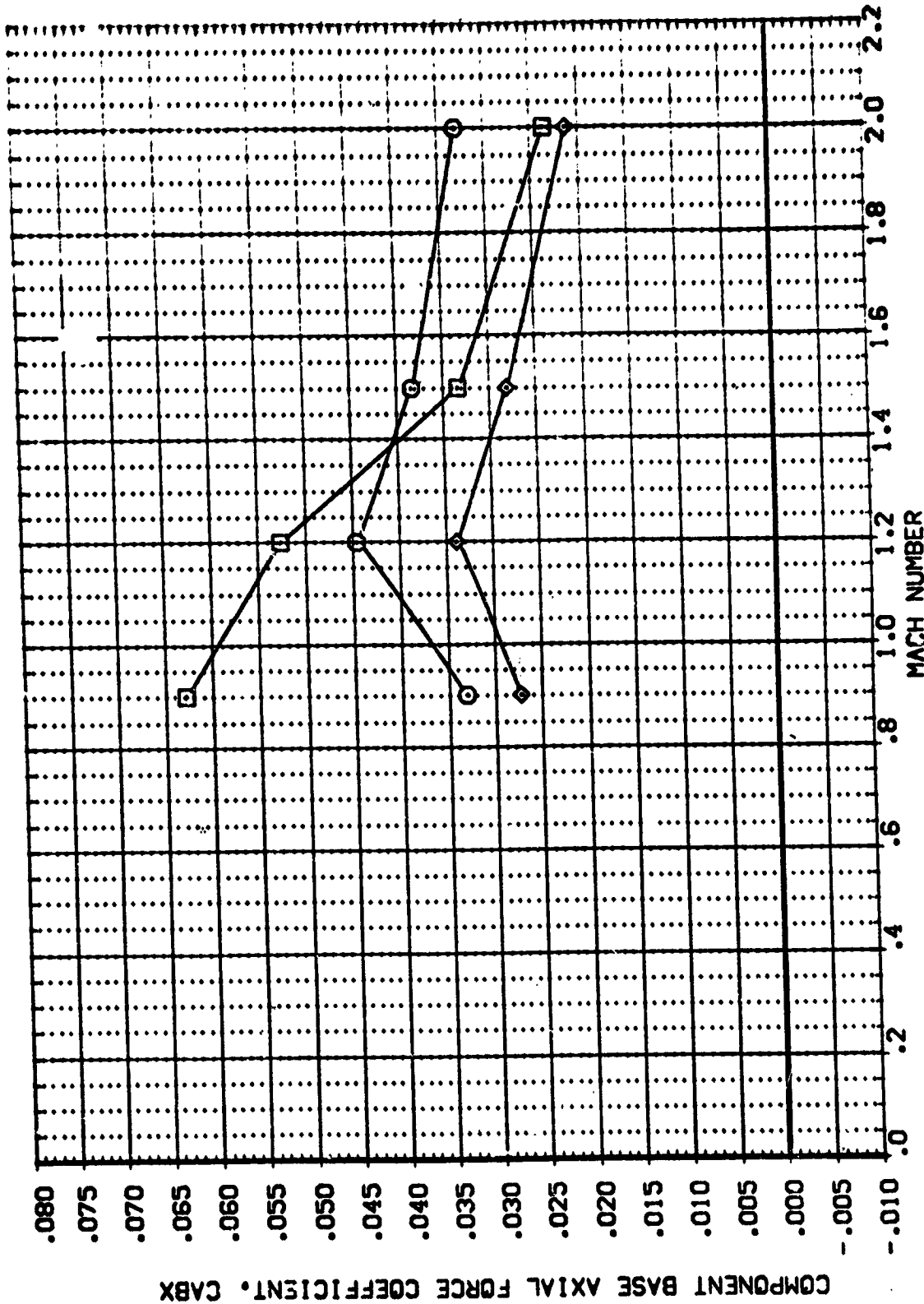


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4003)

IA68 CI F1

SYMBOL DATA  
○ CAB0  
□ CAB1  
◇ CAB5

PARAMETRIC VALUES  
BETA -2.000 ALPHA .000

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
LREF .378.3000 IN.  
BREF .378.3000 IN.  
X-PRP .0000  
Y-PRP .0000  
Z-PRP .0000  
SCALE .0040

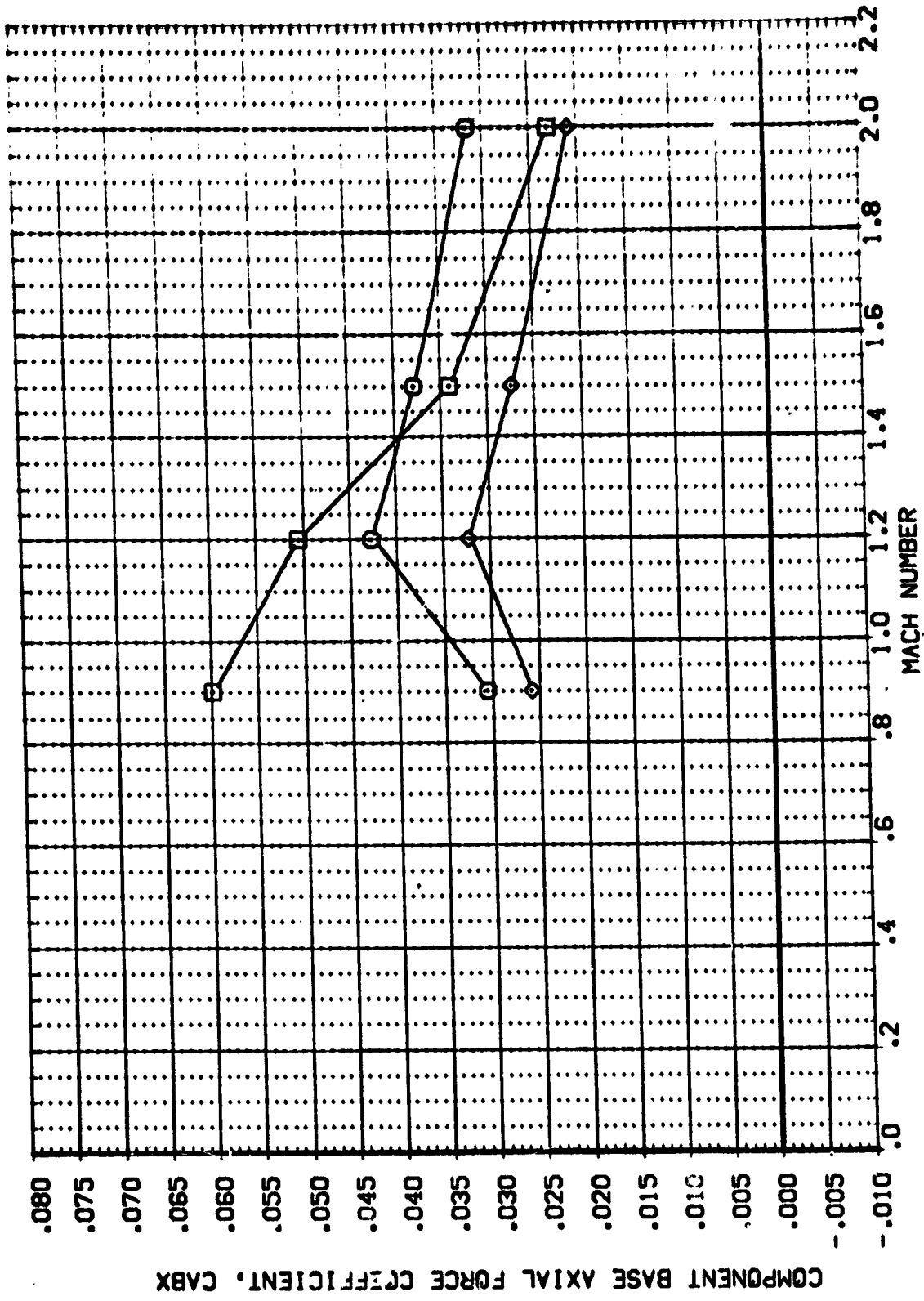


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF 4003)

IA68 C1 F1

SYMBOL DATA BETA PARAMETRIC VALUES ALPHA .000 .000  
O CABO  
□ CABT  
◇ CABX

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
LREF 1328.3000 IN.  
BREF 1328.3000 IN.  
XMPR .0000  
YMPR .0000  
ZMPR .0000  
SCALE .0010

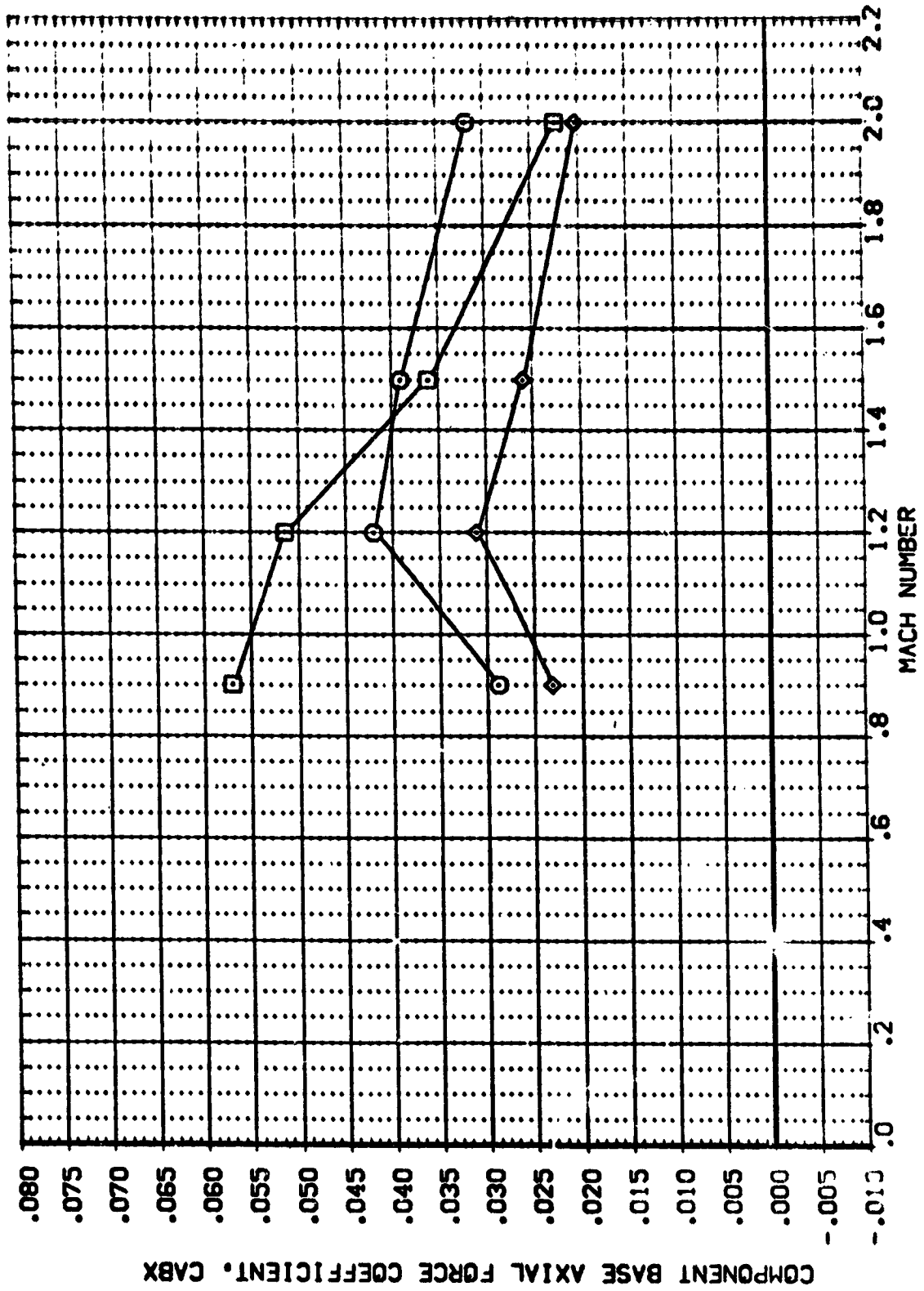


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(AF4003)

1A68 C1 F1

PARAMETRIC VALUES  
BETA 2.000 ALPHA .000

SYMBOL DATA  
CAB0  
CAB1  
CAB2  
CAB3

REFERENCE INFORMATION  
SREF 2690.0000 SC.FT.  
LREF 1328.3000 IN.  
BREF 1328.3000 IN.  
XMRP .0000  
YMRP .0000  
ZMRP .0000  
SCALE .0010

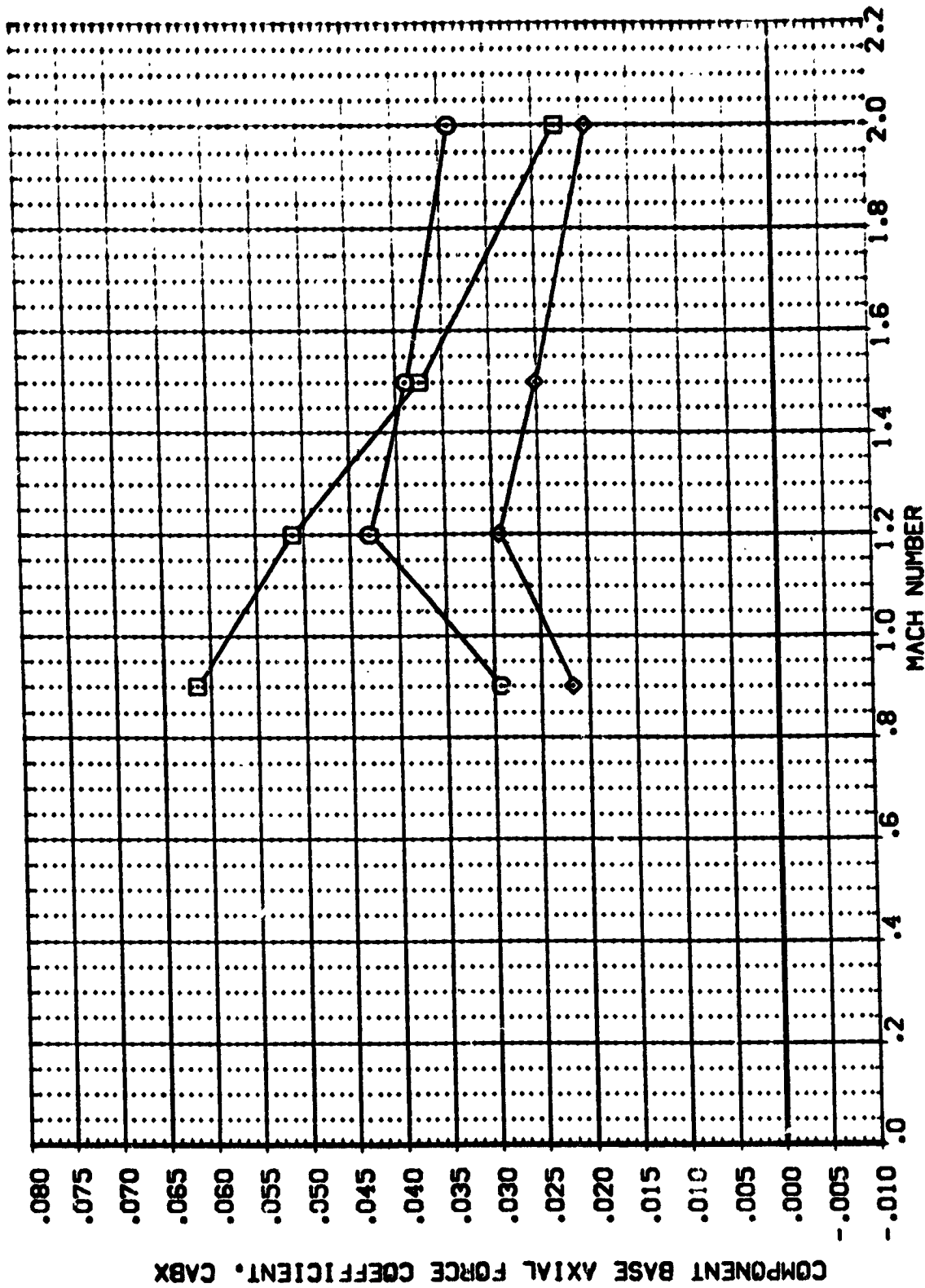


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF4003)

IA68 C1 F1

SYMB. DATA  
□ CABG  
□ CABT  
◇ CABG

BETA 4.000 ALPHA .000

REFERENCE INFORMATION  
SREF 7690.0000 SQ.FT.  
LREF 1328.0000 IN.  
BREF 1328.0000 IN.  
X\*RP .0000  
Y\*RP .0000  
Z\*RP .0000  
SCALE .0010

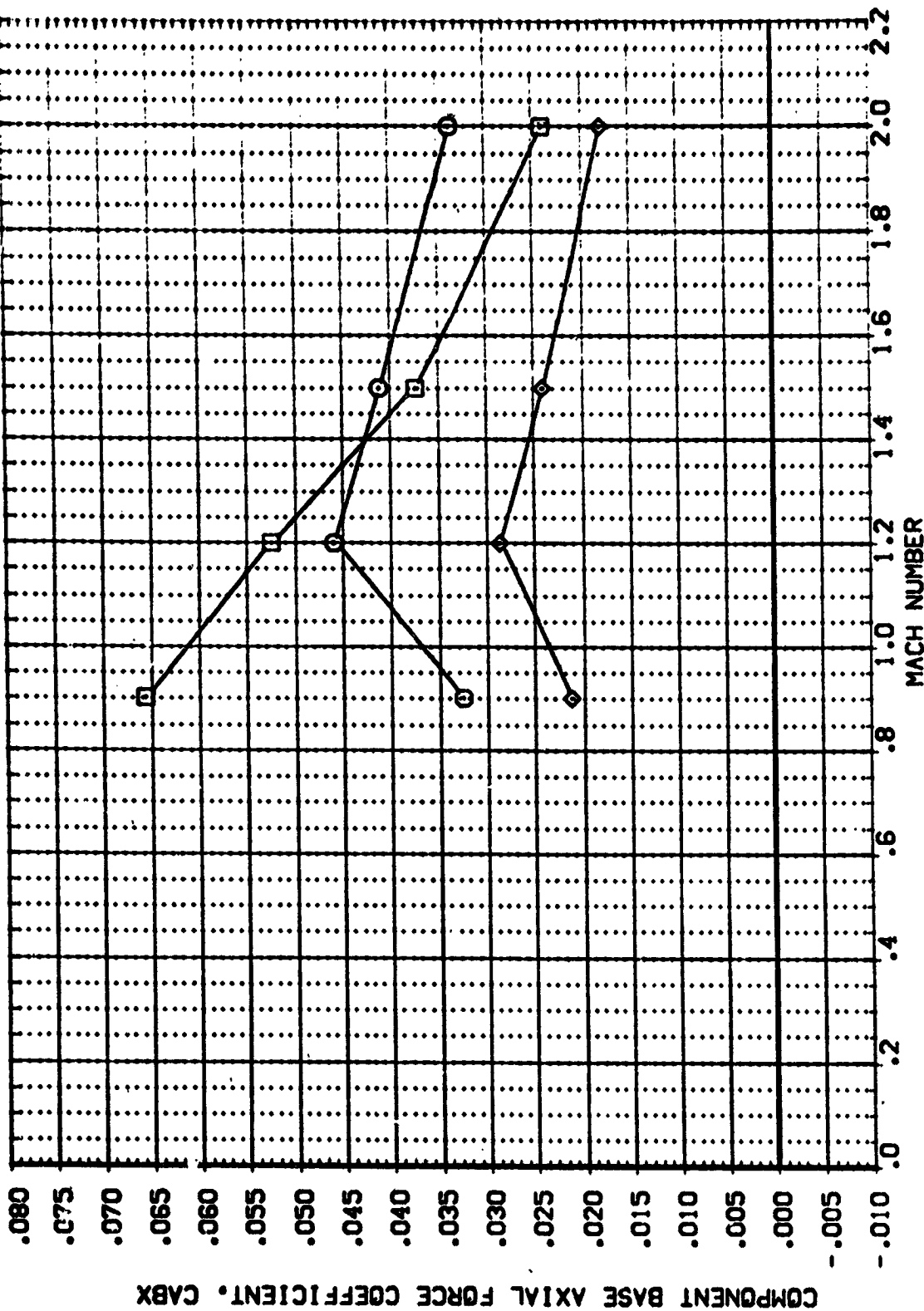


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4004)

IA68 C1 F1 M1

SYMBOL DATA ALPHA BETA  
CAB0  
CABT  
CABS

PARAMETRIC VALUES  
-4.000 .000

REFERENCE INFORMATION  
SREF 2690.0000 SC.F.T.  
LREF 1.378.3000 IN.  
BREF 1.378.3000 IN.  
X-MRP .0000  
Y-MRP .0000  
Z-MRP .0000  
SCALE .0010

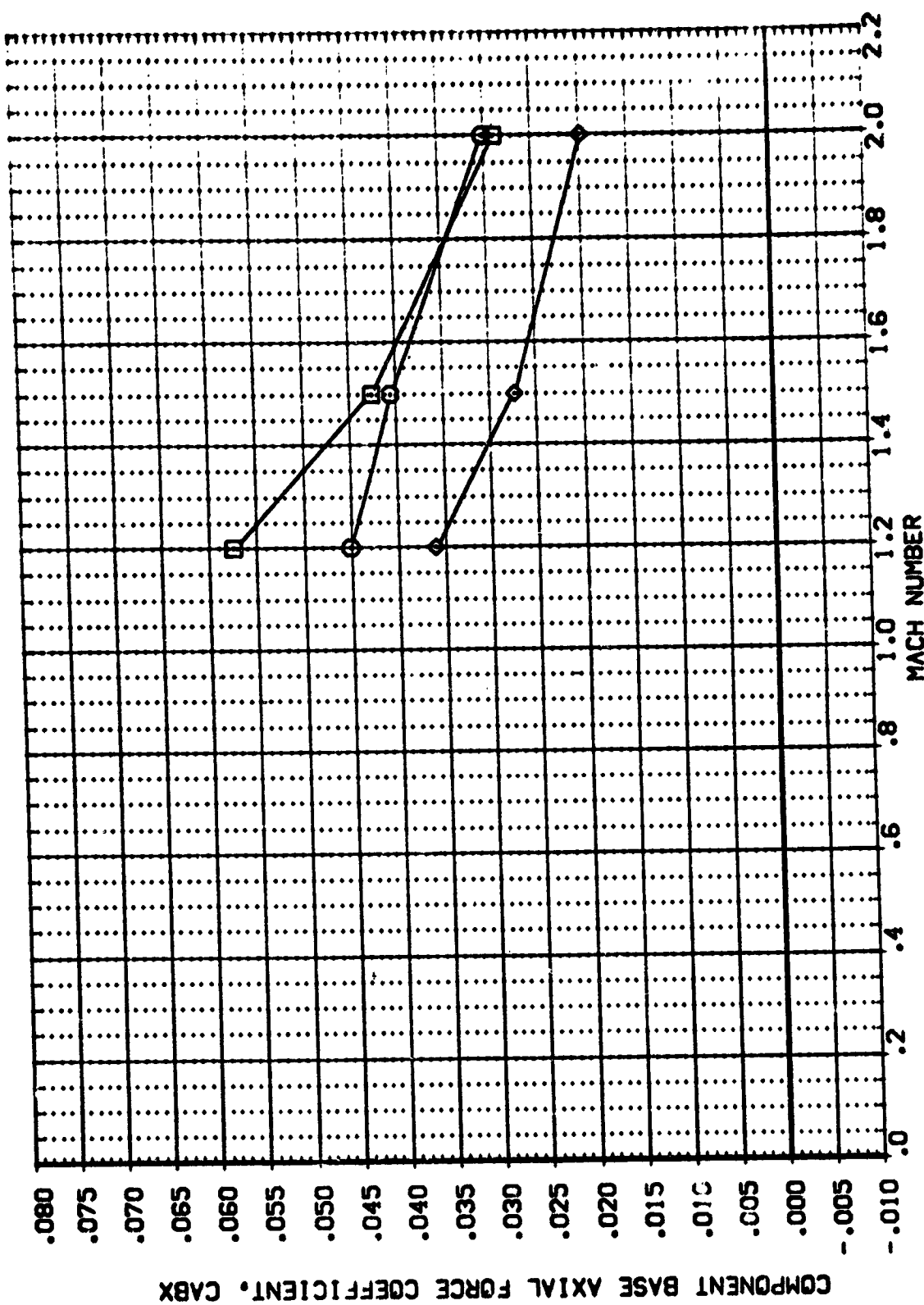


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF4004)

IA68 C1 F1 M1

SYMBOL DATA ALPHA PARAMETRIC VALUES SCALE

□	CAB0		-2.000	BETA	.000
○	CABT				
◇	CABS				

REFERENCE INFORMATION SQ.FT. IN.

SREF	2690.0000
LREF	1328.3000
BREF	1328.3000
XTRP	.0000
YTRP	.0000
ZTRP	.0000
SCALE	.0010

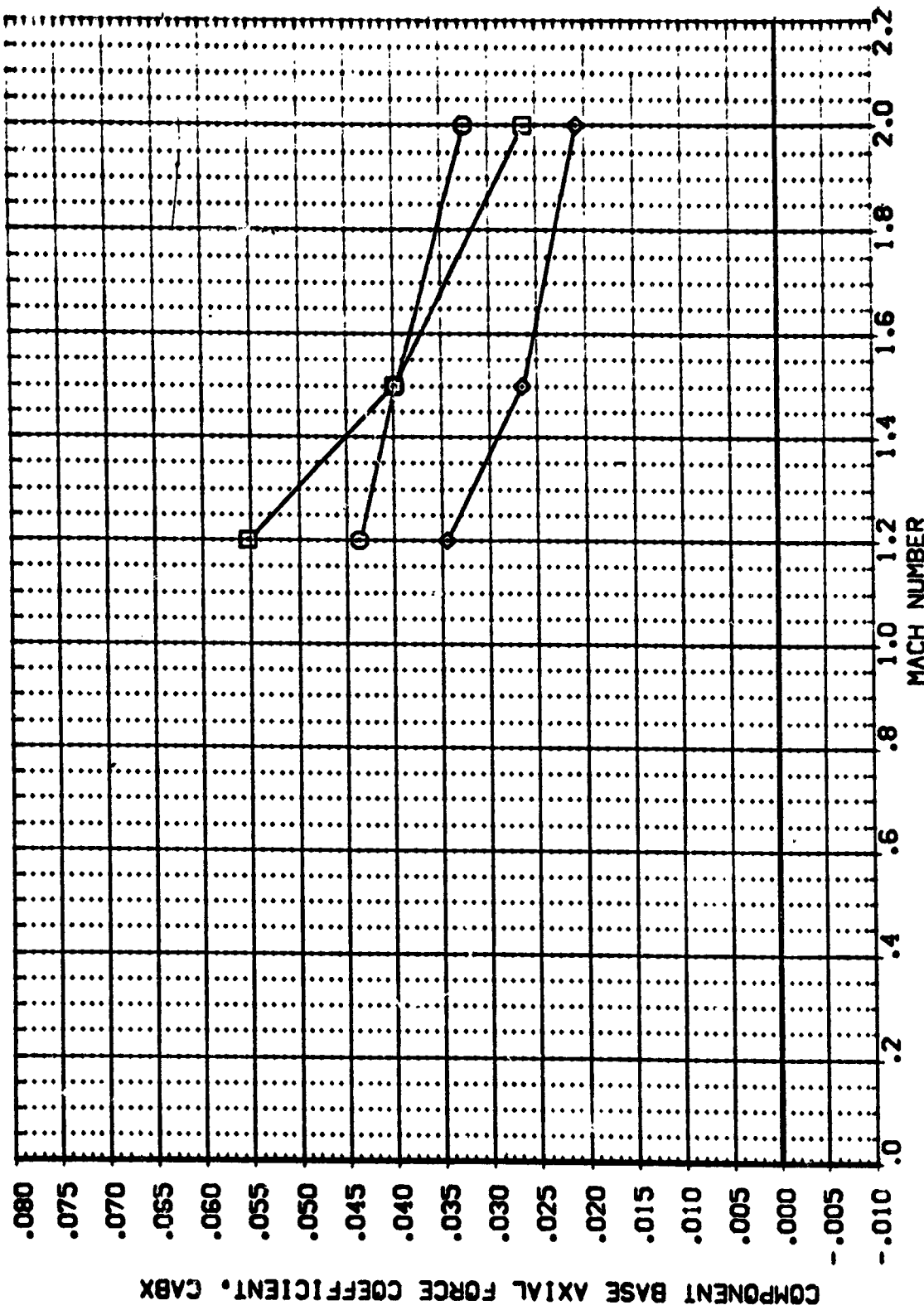


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

CAF4004J

IA68 C1 F1 M1

SYMB. DATA ALPHA BETA .000 .000  
CAB0  
CAB1  
CAB5

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
LREF 1328.3000 IN.  
BREF 1328.3000 IN.  
XWRP .0000  
YWRP .0000  
ZWRP .0000  
SCALE .0040

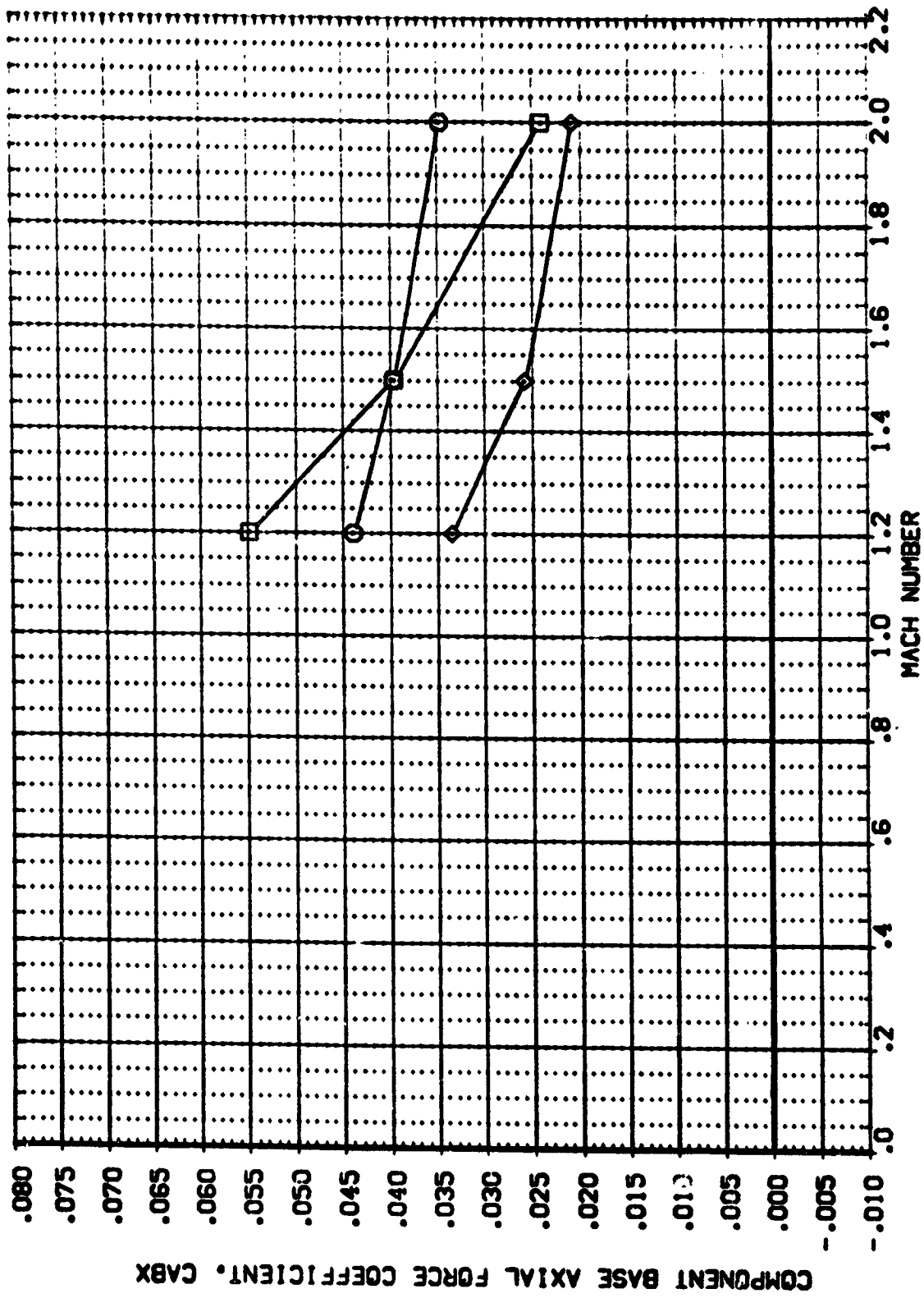


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS





(AF4004)

IAG8 C I F I M I

SYMBOL DATA  
□ CAB0  
□ CAB1  
◇ CAB5

PARAMETRIC VALUES  
ALPHA 2.000  
BETA .000

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
LREF 1.378.3000 IN.  
BREF 1.378.3000 IN.  
XTRIP .0000  
YTRIP .0000  
ZTRIP .0000  
SCALE .0040

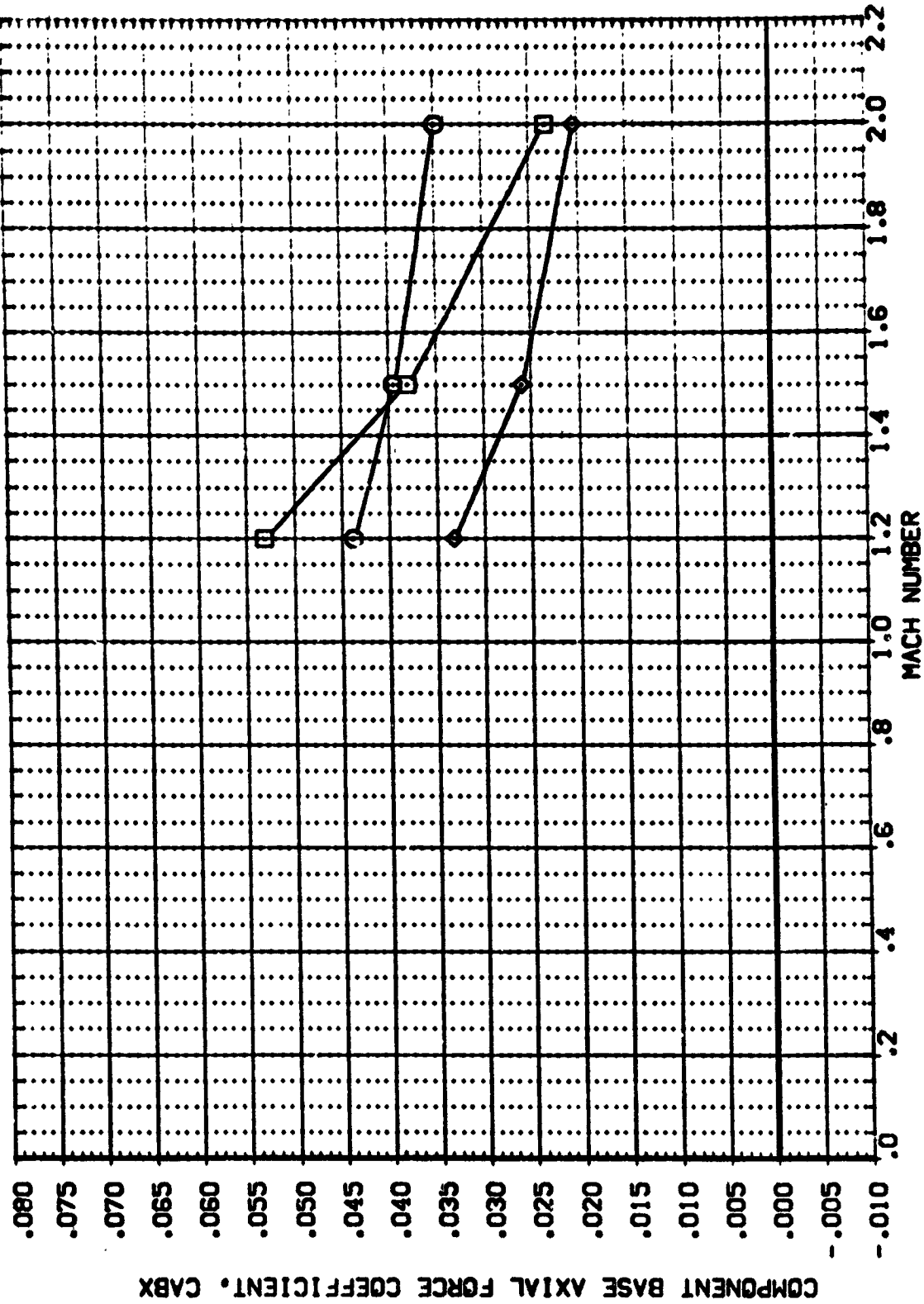


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(AF4004)

IA68 C1 F1 M1

SYMBOL DATA PARAMETRIC VALUES  
CAB0 ALPHA 4.000 BETA .000  
CAB1  
CAB2

REFERENCE INFORMATION  
SREF 2650.0000 SQ.FT.  
LREF 1328.3000 IN.  
BREF 1328.3000 IN.  
XPRP .0000  
YPRP .0000  
ZPRP .0000  
SCALE .0001

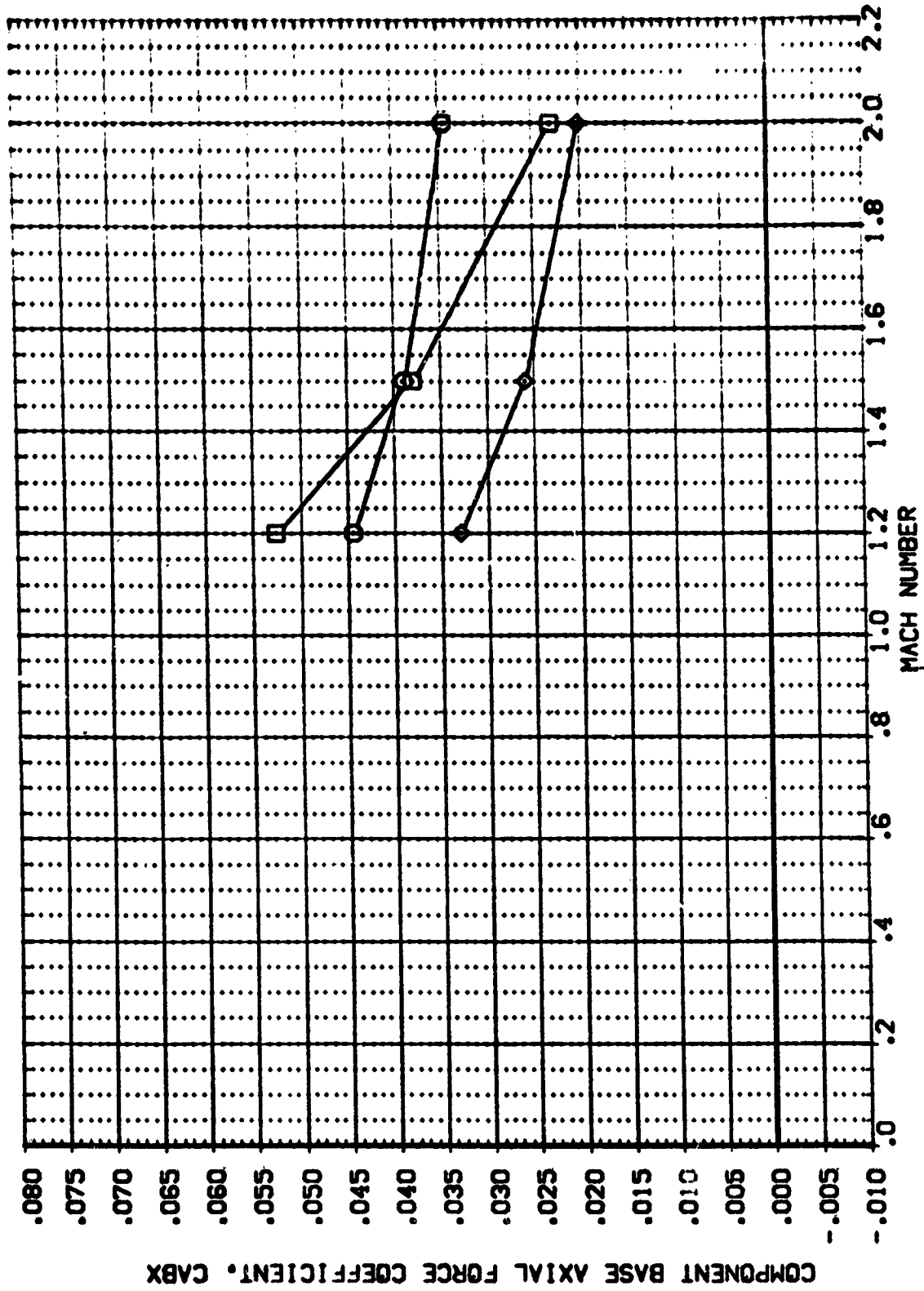


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF4005)

IA68 C1 F1 M1

SYMBOL DATA  
□ CABO  
○ CABT  
◇ CABS

PARAMETRIC VALUES  
BETA -4.000 ALPHA .000

REFERENCE INFORMATION  
SREF 2680.0000 SQ.FT.  
LREF 1328.5000 IN.  
BREF 1328.5000 IN.  
XMRP .0000  
YMRP .0000  
ZMRP .0000  
SCALE .0010

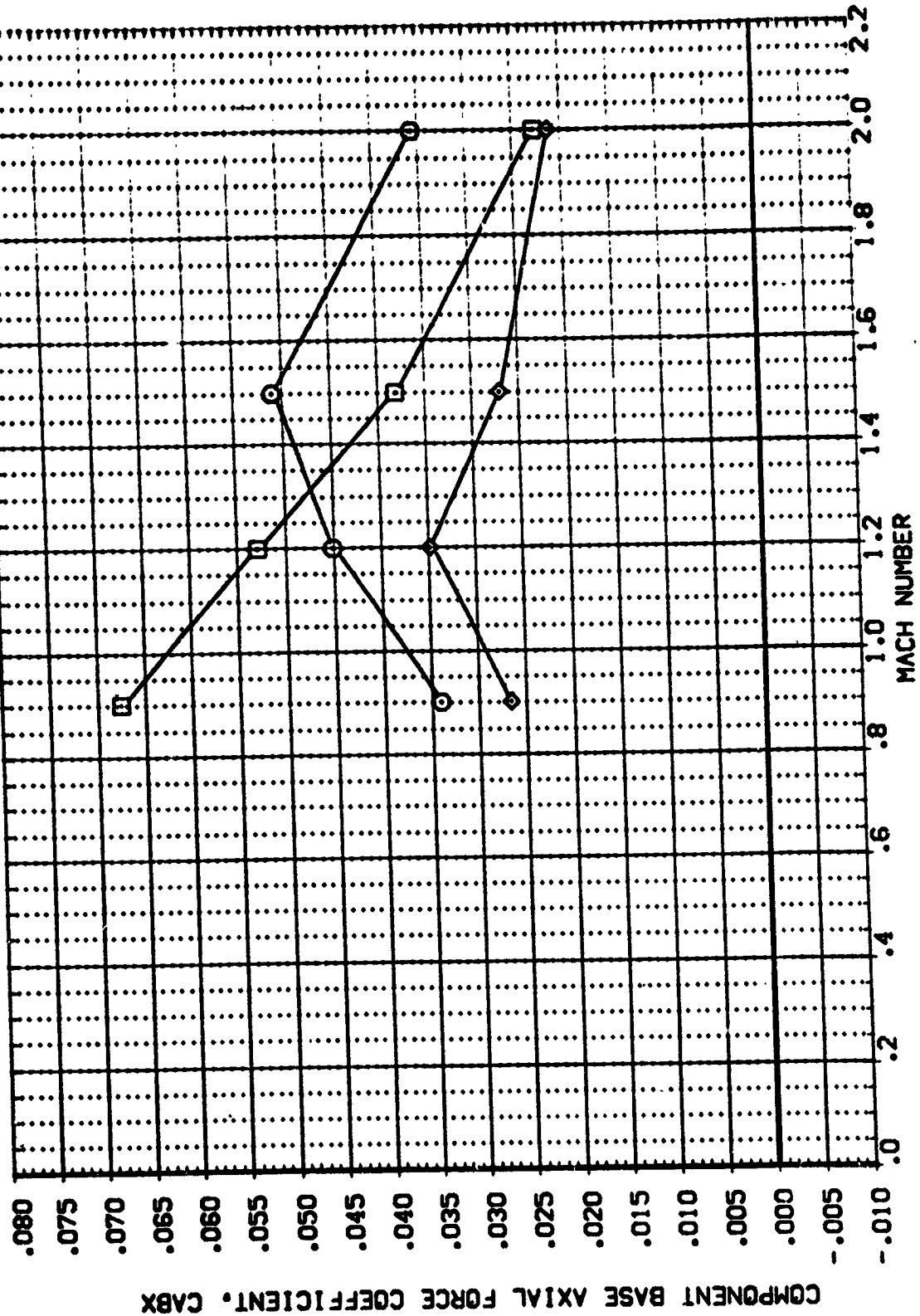


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4005)

IA68 C1 F1 M1

SYMBL DATA CABO BETA PARAMETRIC VALUES ALPHA .300  
CABT  
CABS

REFER VCE INFORMATION SQ.FT. IN.  
SREF 2690.0000  
LREF 328.3000  
BREF 328.3000  
XWRP .0000  
YWRP .0000  
ZWRP .0000  
SCALE .0045

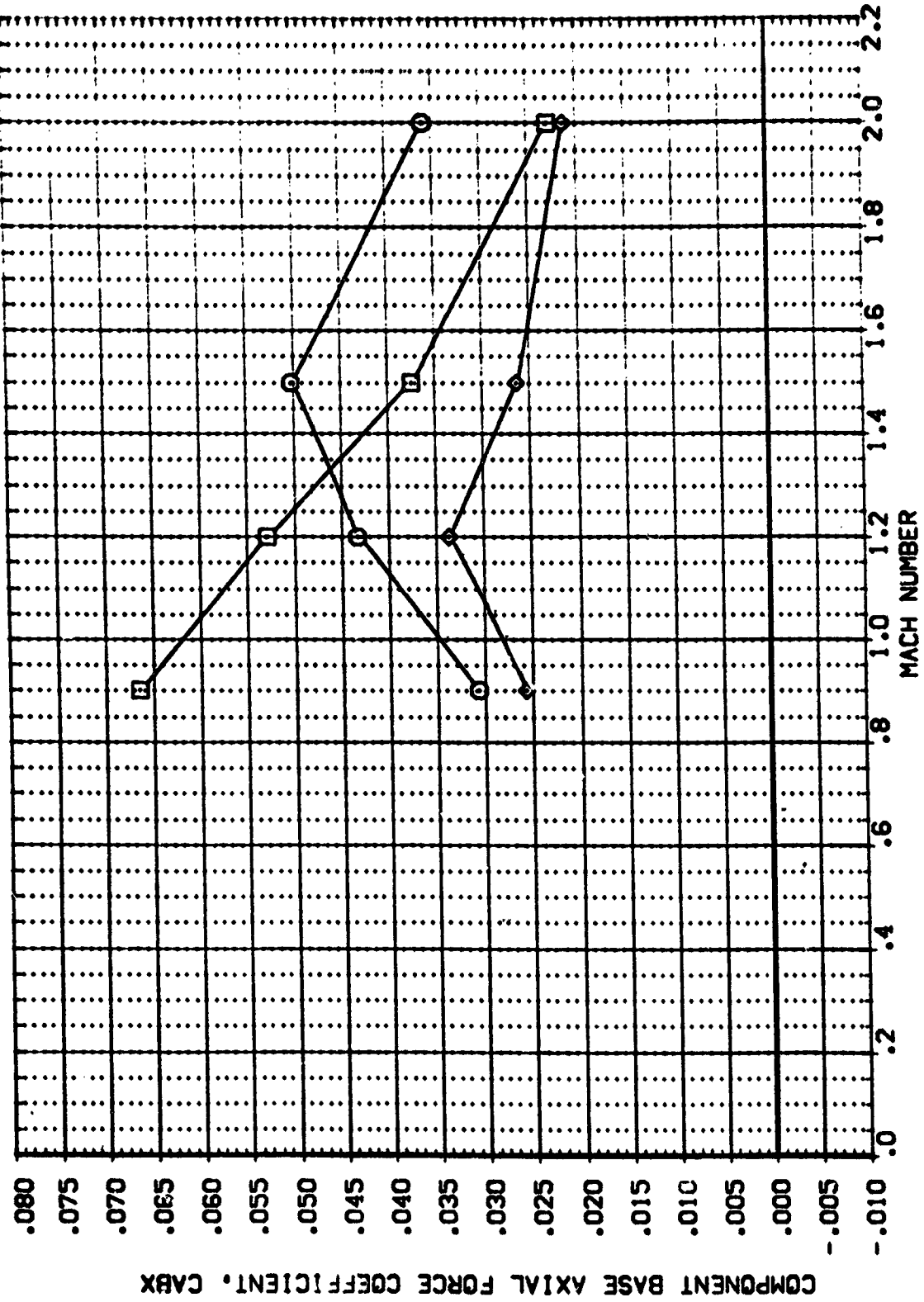


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF4005)

IA68 C1 F1 M1

SYMBOL    DATA    BETA    ALPHA    SQ.FT.    IN.

○    CABO    .000    .000    2650.0000    1328.2000

□    CABT    .000    .000    1328.2000    664.1000

◇    CAB5    .000    .000    1328.2000    664.1000

SCALE    .0000    .0000    .0000    .0000    .0000    .0000

PARAMETRIC VALUES

BETA    .000    ALPHA    .000

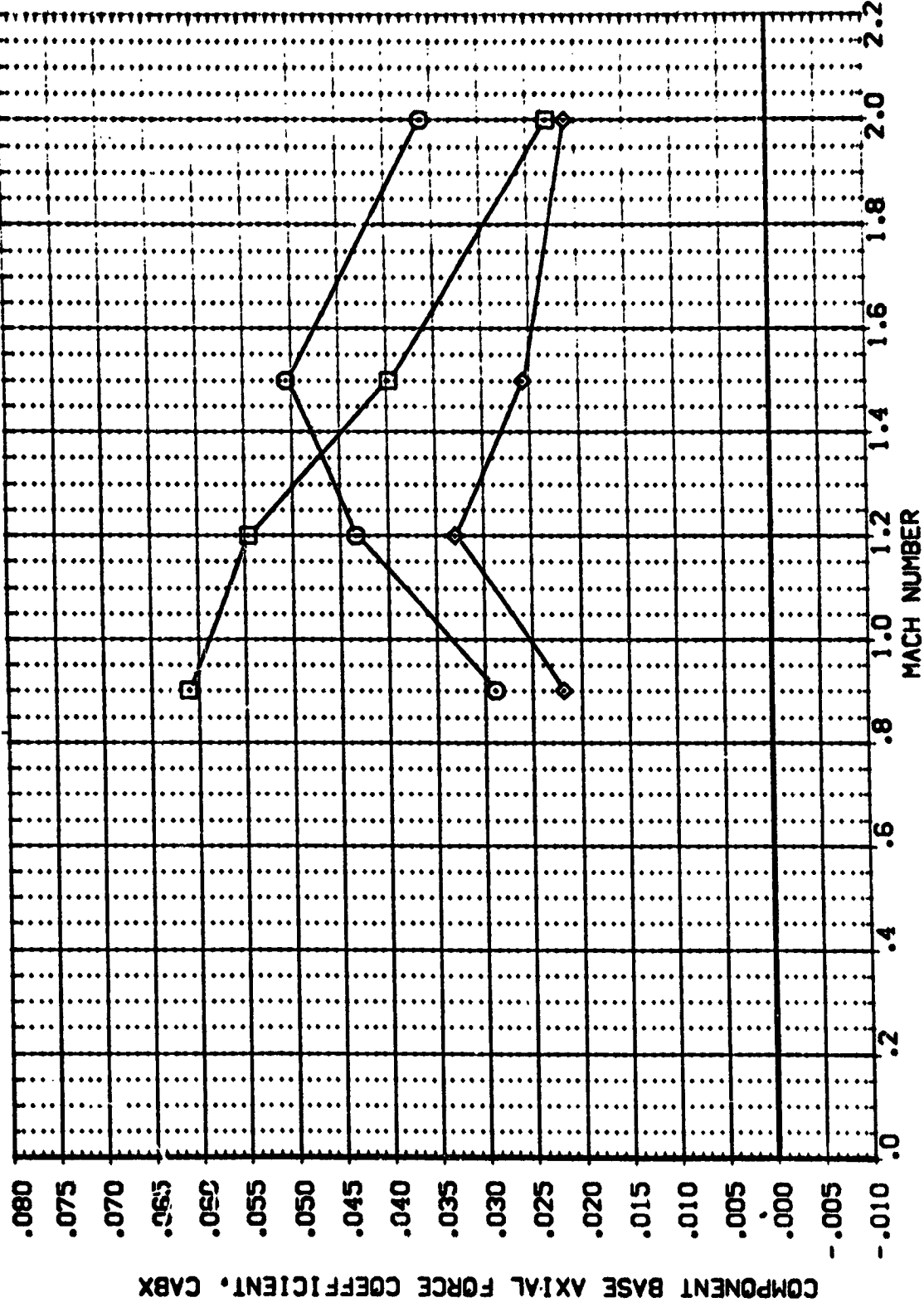


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4005)

IA68 C1 F1 M1

SYMBOL DATA  
○ CAB0  
□ CAB1  
◇ CAB2

PARAMETRIC VALUES  
BETA 2.000 ALPHA .000

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
LREF 1328.5000 IN.  
BREF 1328.5000 IN.  
YREF 1.0000  
ZREF 1.0000  
SCALE .0040

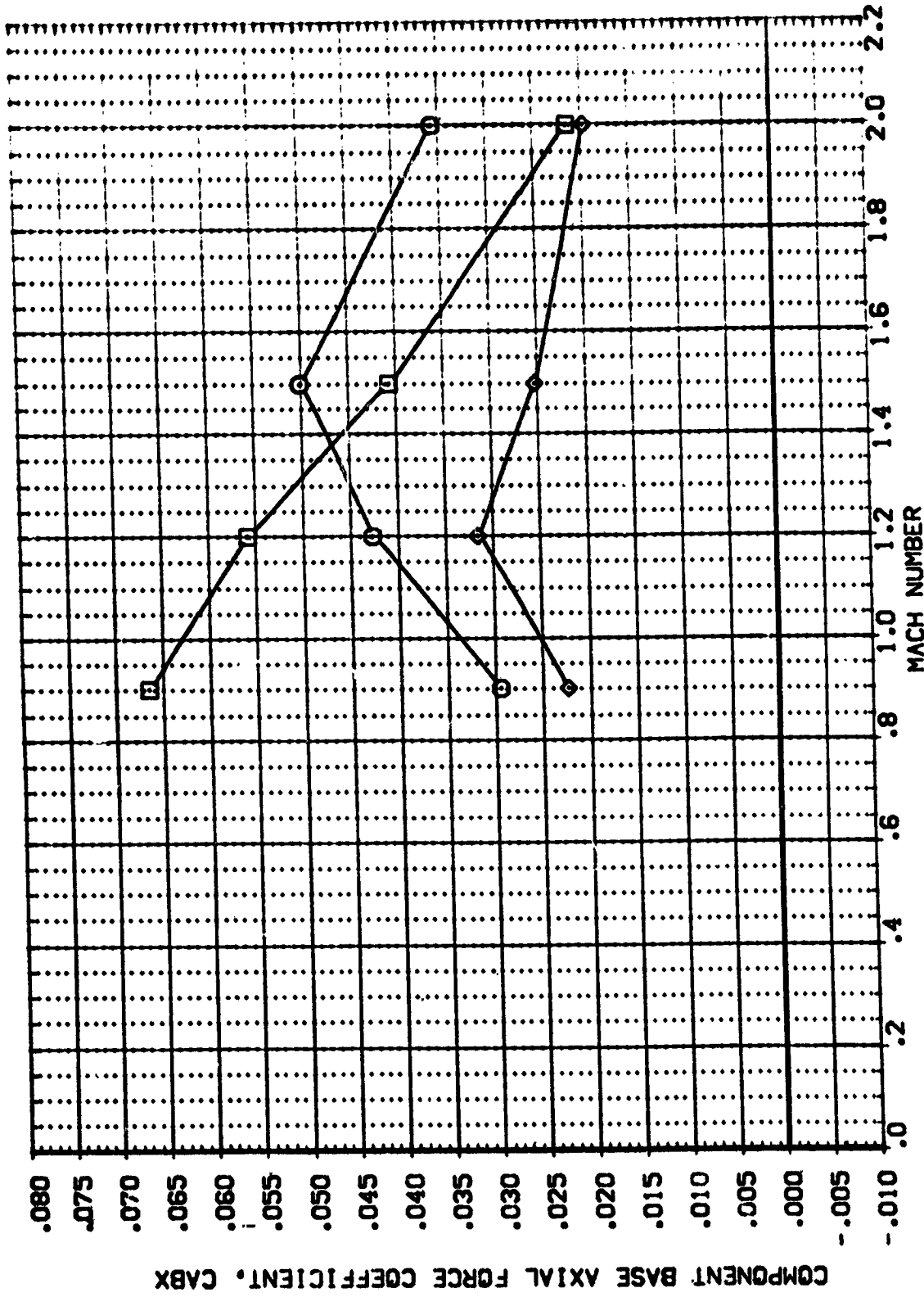


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF4005)

1A68 C1 F1 M1

SYMBOL DATA BETA ALPHA SCALE  
O CABO 4.000 .000  
□ CABT  
◇ CABBS

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
LREF 1328.3000 IN.  
BREF 1328.3000 IN.  
XPRP .0000  
YPRP .0000  
ZPRP .0000  
SCALE .0040

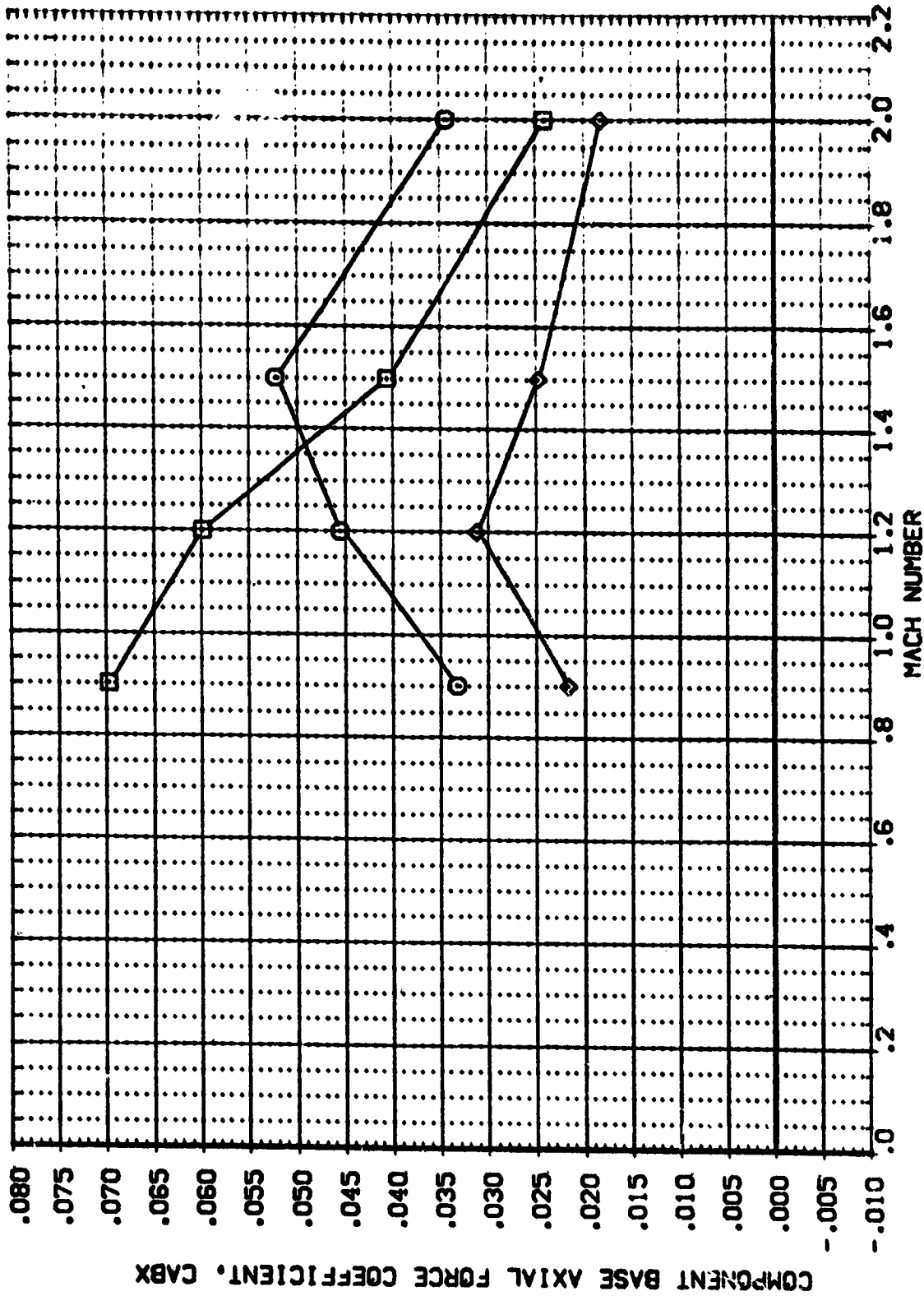


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4006)

IA68 C1 F1 M2

SYMB. DATA  
○ CABD  
□ CABT  
◇ CABX

ALPHA .000 BETA .000

.000

REFERENCE INFORMATION  
SREF 2680.0000 SQ.FT.  
LREF 1328.0000 IN.  
BREF 1328.0000 IN.  
XPROP .0000  
YPROP .0000  
ZPROP .0000  
SCALE .0040

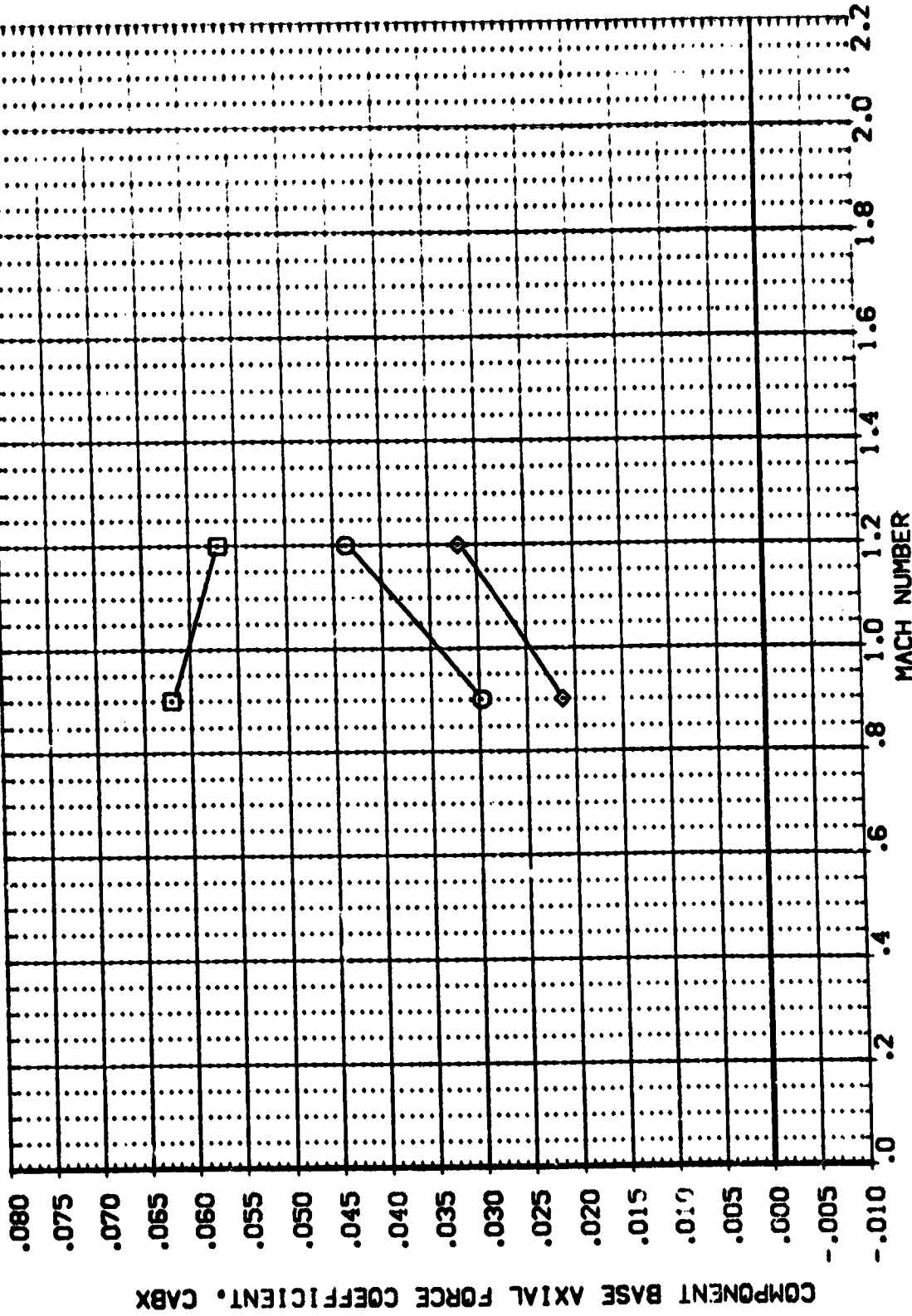


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS





(AF40C7)

IA68 C1 F1 M2(1)+FILLET

SYMBOL  
○ □ ◇

DATA  
CABO  
CABT  
CABS

ALPHA

PARAMETRIC VALUES  
-4.000 BETA

.000

REFERENCE INFORMATION  
SREF 2650.0000 SQ.FT.  
LREF 378.0000 IN.  
BREF 378.0000 IN.  
XMRP 0.0000  
YMRP 0.0000  
ZMRP 0.0000  
SCALE 0.0000

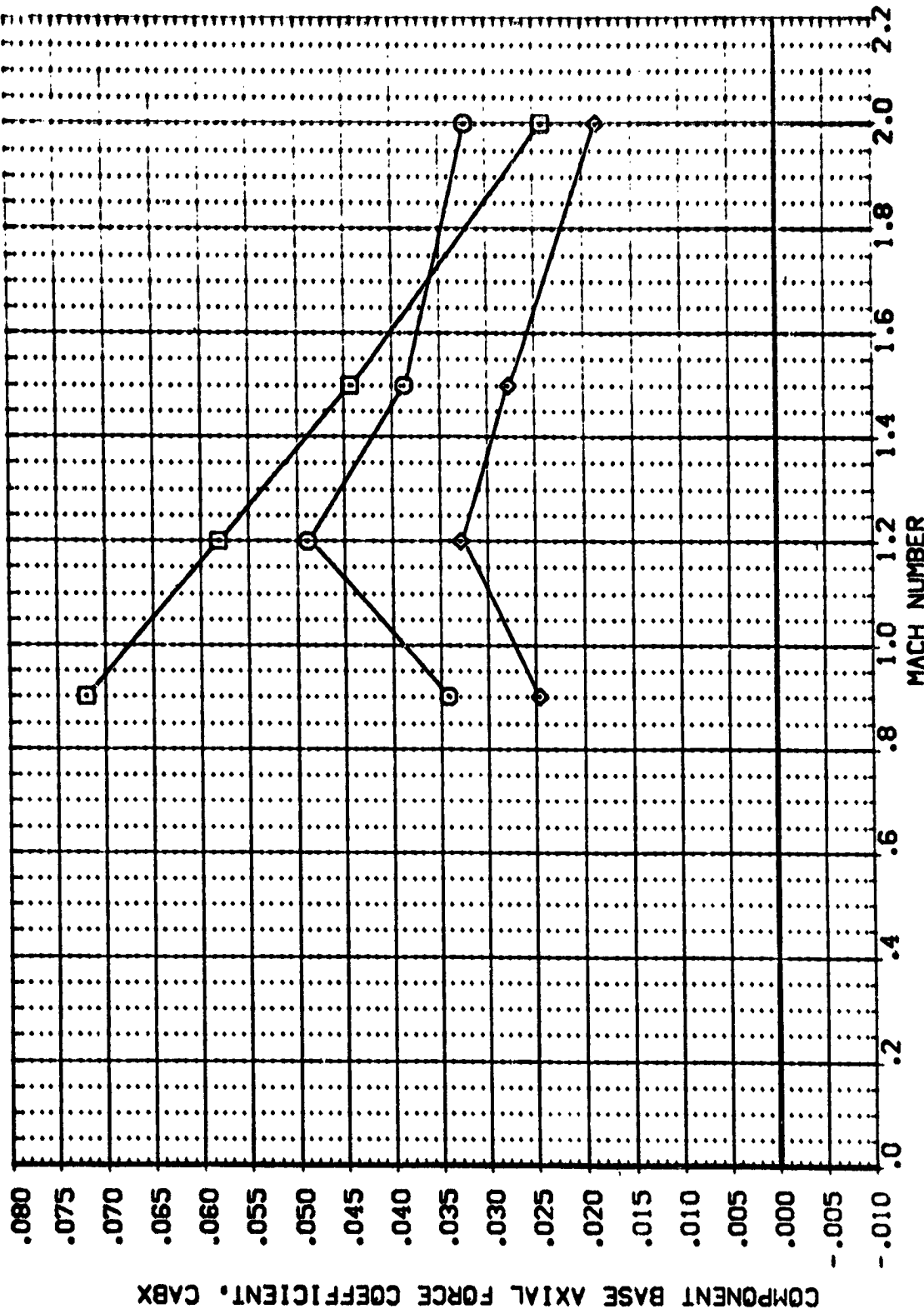


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4007)

1A68 C1 F1 M2(1)+FILLET

SYMBOL DATA  
 ○ CAB0  
 □ CAB1  
 ◇ CAB2

PARAMETRIC VALUES  
 ALPHA -2.000 BETA .000

REFERENCE INFORMATION  
 SREF 2690.0000 SC.FT.  
 LREF 1.378 3.000  
 BREF 1.378 3.000  
 XMRP 0.0000  
 YMRP 0.0000  
 ZMRP 0.0000  
 SCALE .0010

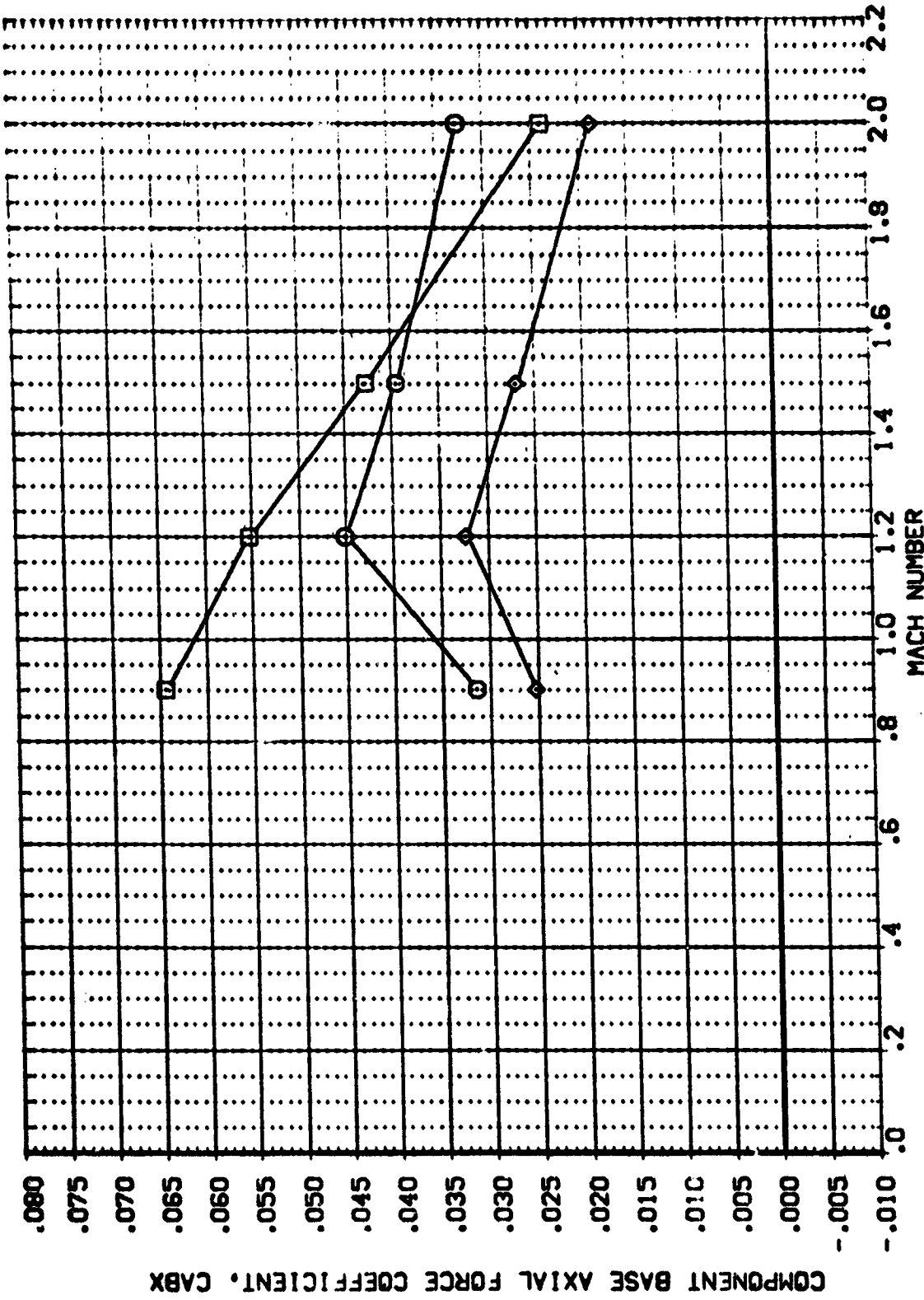


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



[AF4007]

IA68 C1 F1 M2(1)+FILET

SYMBOL DATA  
 ○ CAB0  
 □ CAB1  
 ◇ CAB2

PARAMETRIC VALUES  
 ALPHA .000  
 BETA .000

REFERENCE INFORMATION  
 SREF 2680.0000 SQ.FT.  
 LREF 1378.2000 IN.  
 BREF 1378.2000 IN.  
 XREF 0.0000  
 YREF 0.0000  
 ZREF 0.0000  
 SCALE 10640

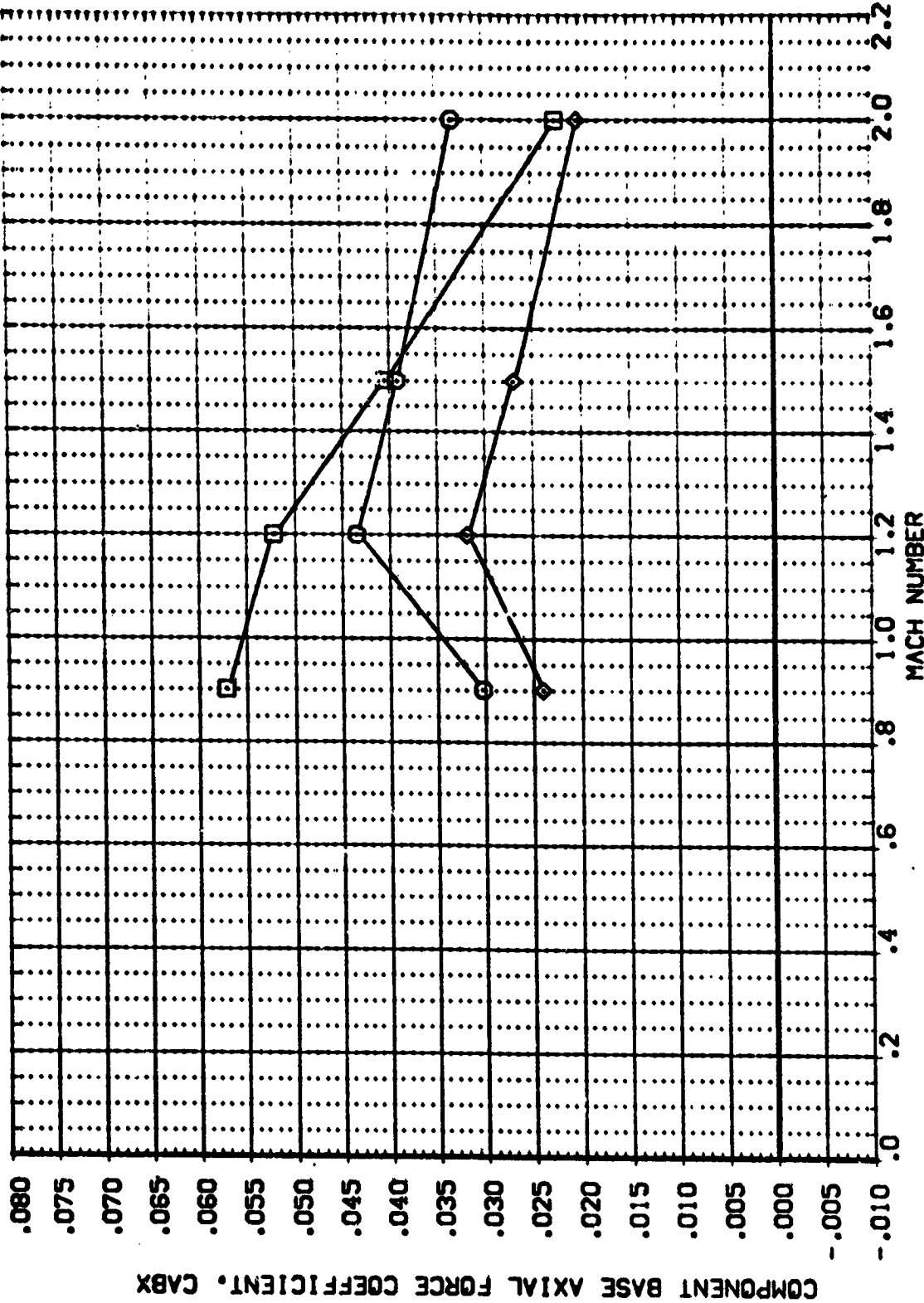


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



(AF4007)

1A68 C1 F1 M2(1)+FILLET

SYMBOL DATA

○ CAB0

□ CAB1

◇ CAB5

ALPHA 2.000

BETA .000

REFERENCE: NOSPAN

SREF 2650.0000

REF 3778.0000

BRF 3778.0000

XGRD 3778.0000

YGRD 3778.0000

ZGRD 3778.0000

SCALE 3778.0000

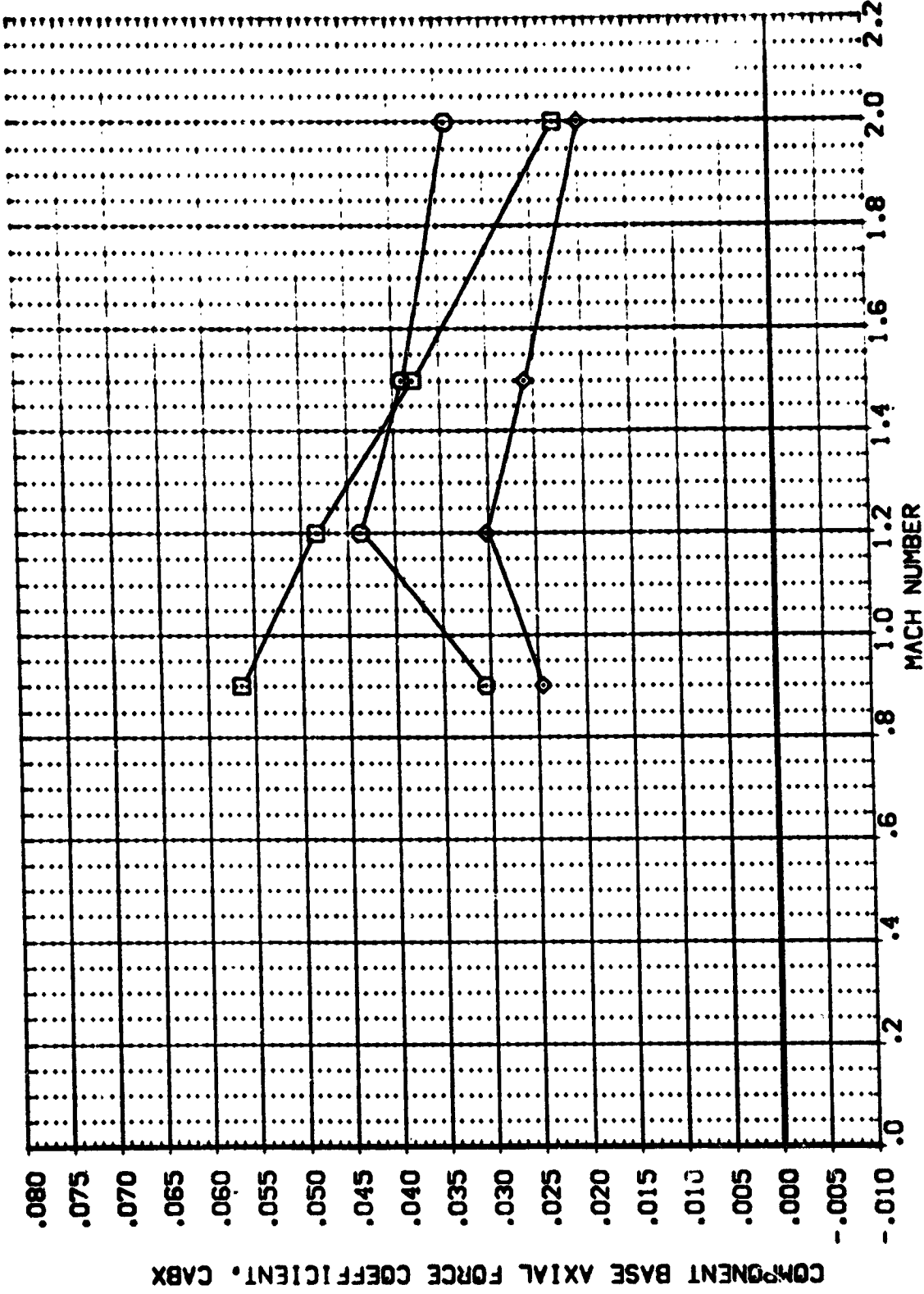


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



CAF4007

IA68 C1 F1 M2(1)+FILLET

SYMBOL DATA  
□ CABO  
○ CABT  
◇ CABS

PARAMETRIC VALUES  
ALPHA 4.000 BETA .000

REFERENCE INFORMATION  
SPEC. CODES  
L REF : 378  
B REF : 378  
X REF : 378  
Y REF : 378  
Z REF : 378  
SCALE : 0.049

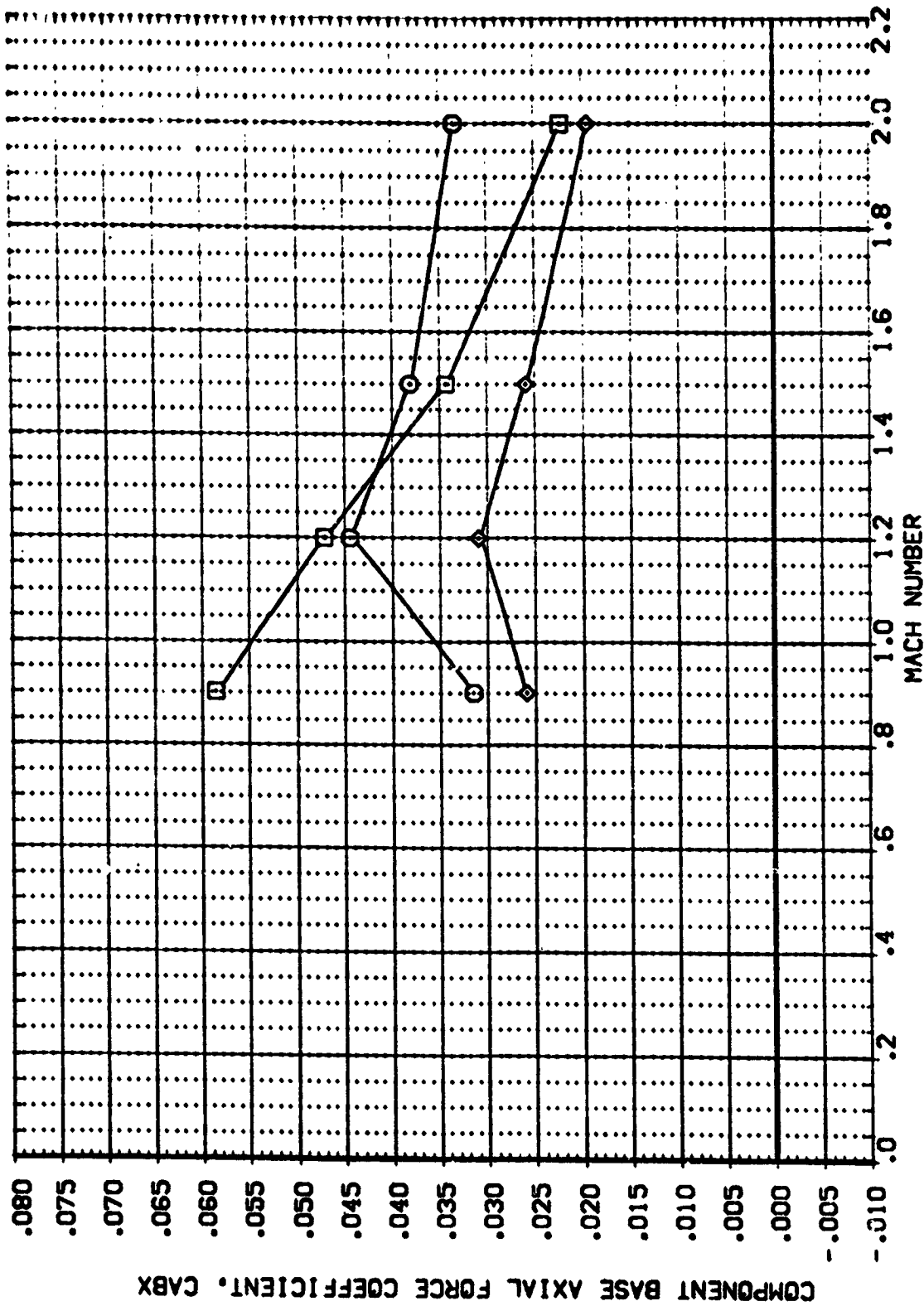


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF 4008)

IA68 C1 F1 M2(1)+FILLET

SYMBOL DATA  
□ CAB0  
○ CAB1  
◇ CAB5

BETA -4.000 ALPHA .000

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
LREF 1378.5000 IN.  
BREF 1378.5000 IN.  
X-PROP .0000  
Y-PROP .0000  
Z-PROP .0000  
SCALE .0040

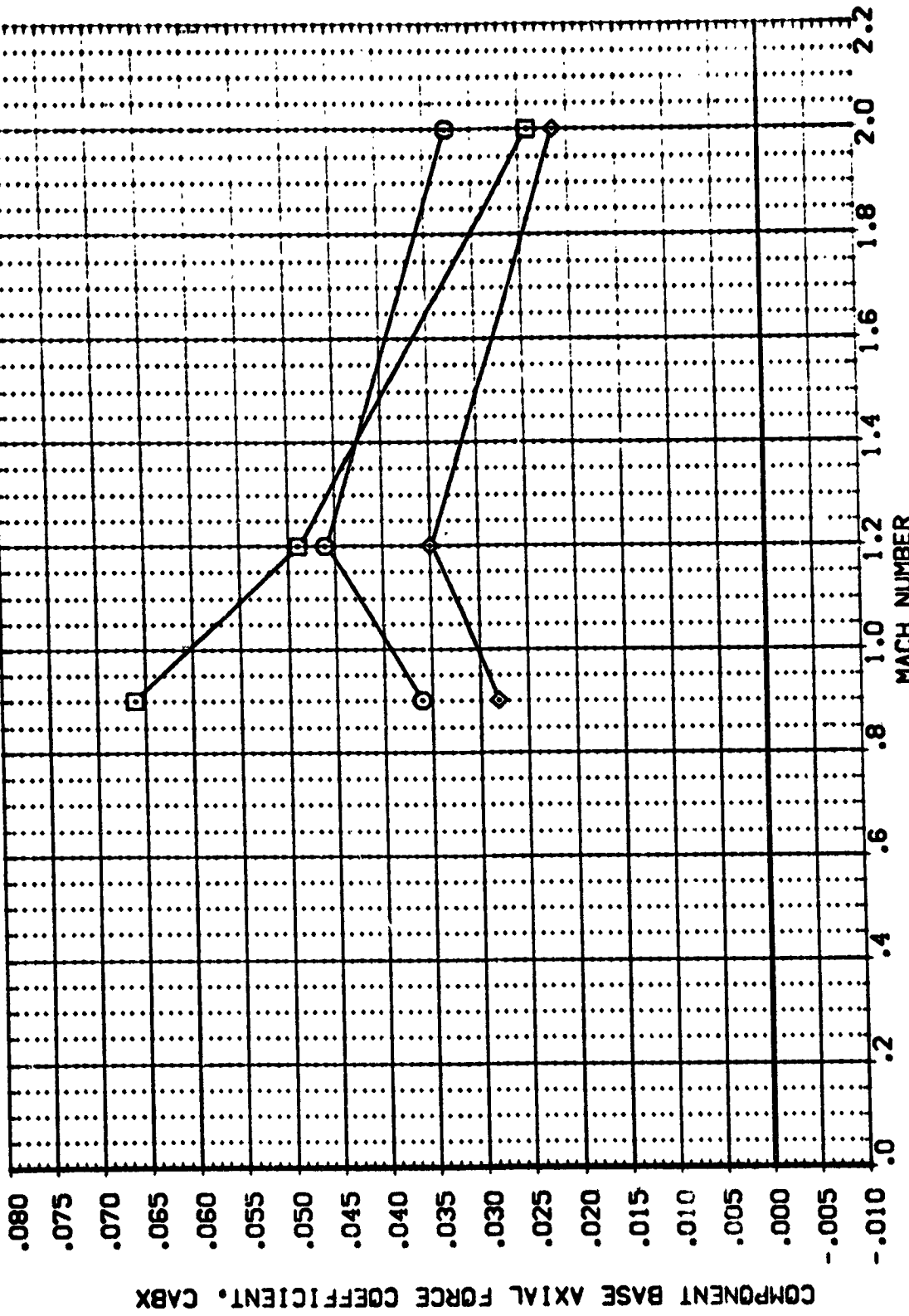


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



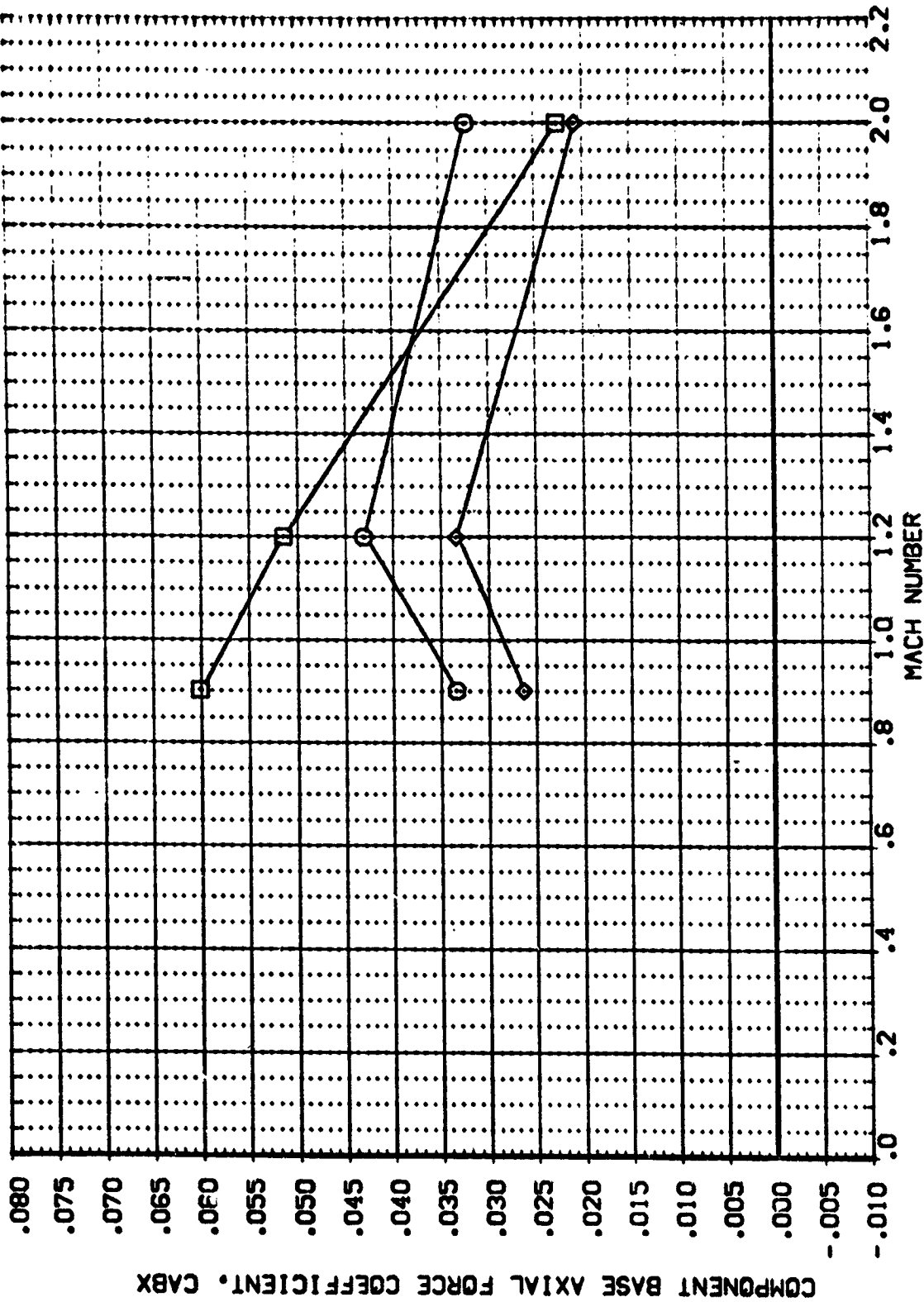
IA68 C1 F1 M2(1)+FILLET

(AF4008)

SYMBL. DATA  
□ CAB0  
◇ CAB1  
◇ CAB5

PARAMETRIC VALUES  
BETA -2.000 ALPHA .000

REFERENCE INFORMATION  
SREF 7690 C000  
LREF 308.3000  
BREF 328.3000  
XMRP 0.0000  
YMRP 0.0000  
ZMRP 0.0000  
SCALE .0010



REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4008)

IA68 C1 F1 M2(1)+FILLET

PARAMETRIC VALUES  
BETA .000 ALPHA .000

SYMBOL DATA  
□ CABO  
◇ CABT  
◇ CABS

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
LREF 378.3000 IN.  
BREF 1328.3000 IN.  
X-PRP .0000  
Y-PRP .0000  
Z-PRP .0000  
SCALE .0001

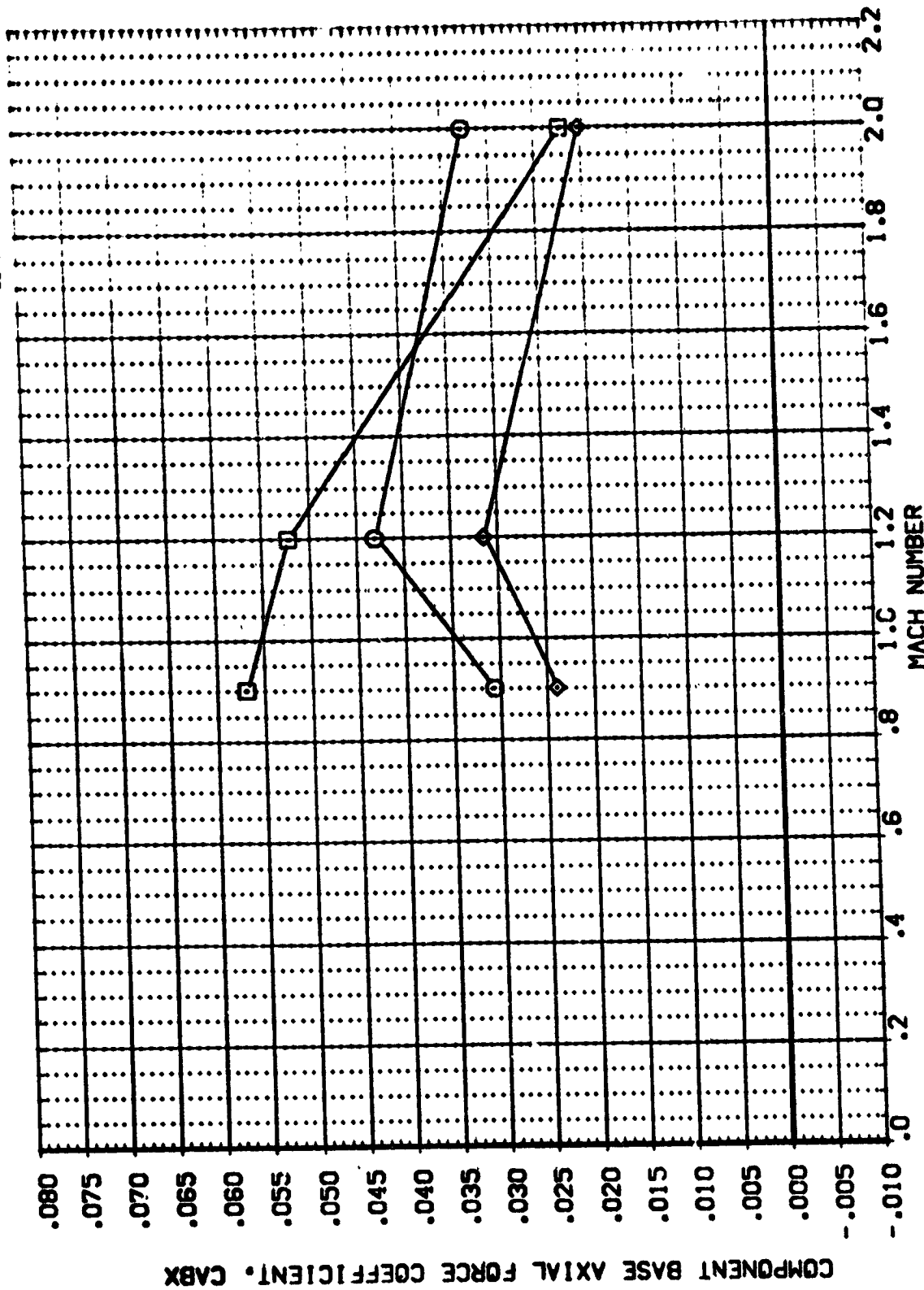


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF4008)

IA68 CI F1 M2(1)+FILLET

SYMBOL DATA  
○ CAB0  
□ CAB1  
◇ CAB5

BETA 2.000 ALPHA .000

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
LREF 378.3000 IN.  
BREF 1.328.3000 IN.  
XPROP .0000  
YPROP .0000  
ZPROP .0000  
SCALE .0040

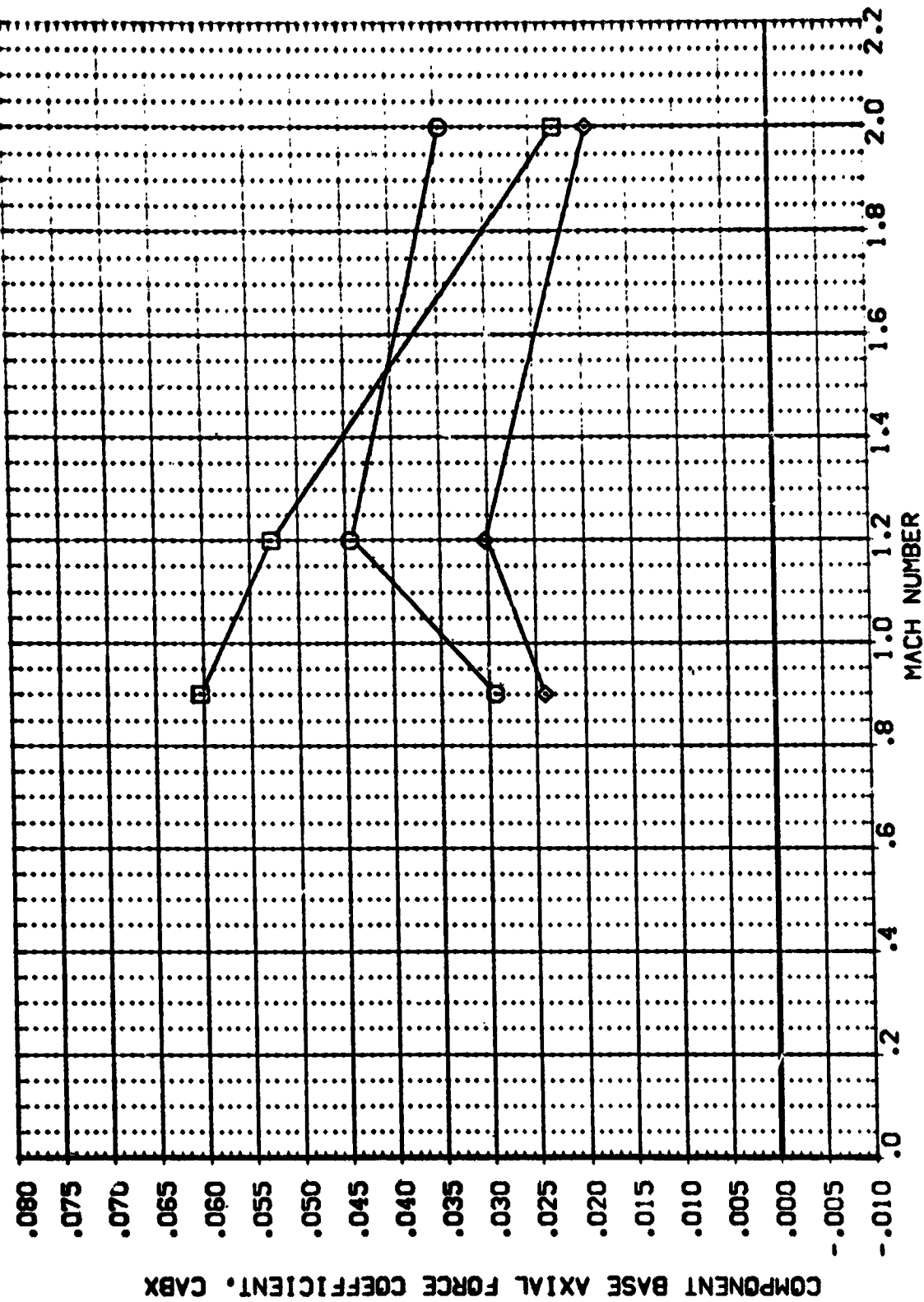


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF 4008)

1A68 C1 F1 M2(1)+FILLET

PARAMETRIC VALUES  
BETA 4.000 ALPHA .000

REFERENCE INFORMATION  
SREF 2650.0000  
LREF 328.5000  
BREF 378.5000  
XMRP 3000  
YMRP 1000  
ZMRP 1000  
SCALE .0040

SYMBOL DATA  
CABO  
CABT  
CABS

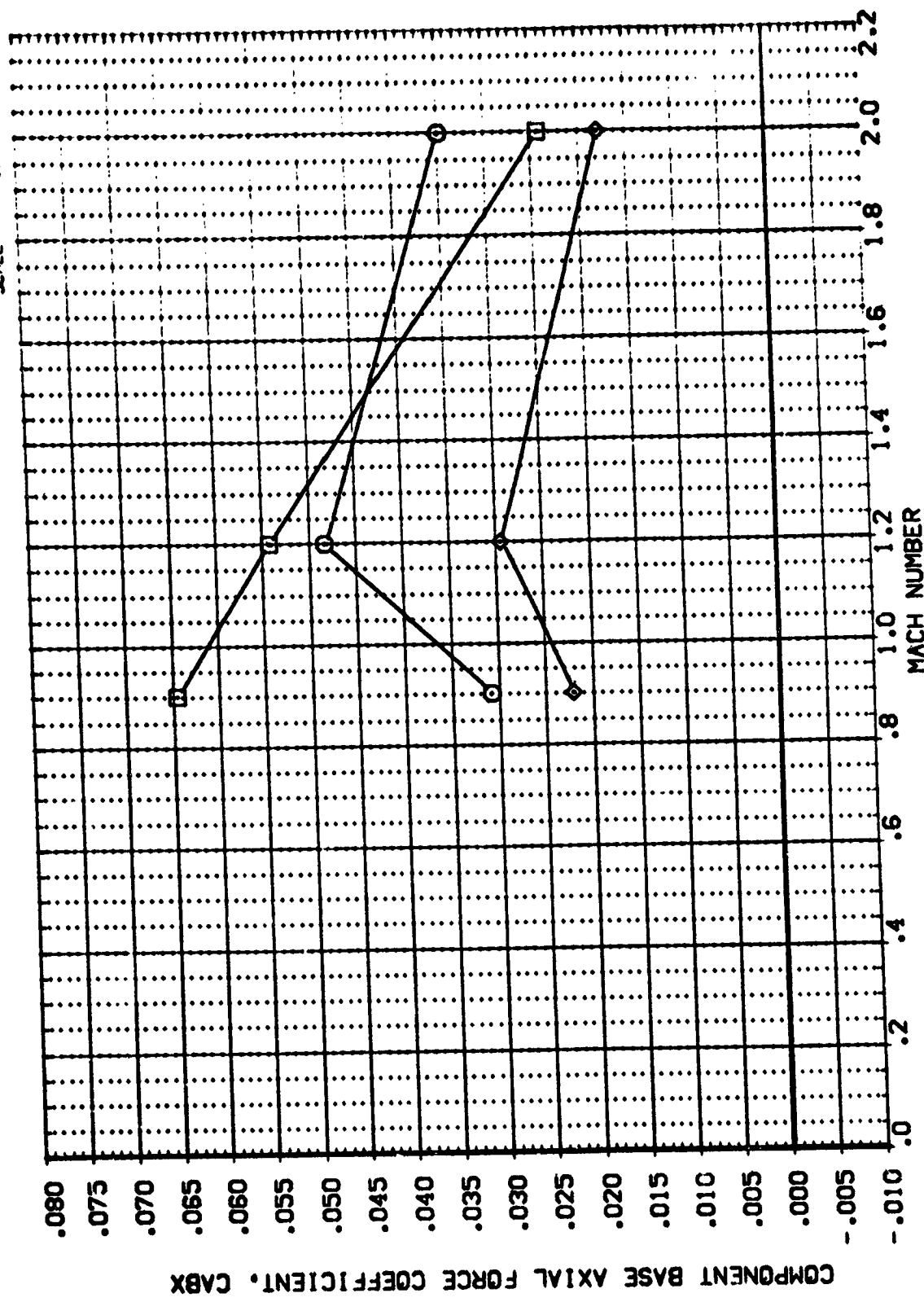


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



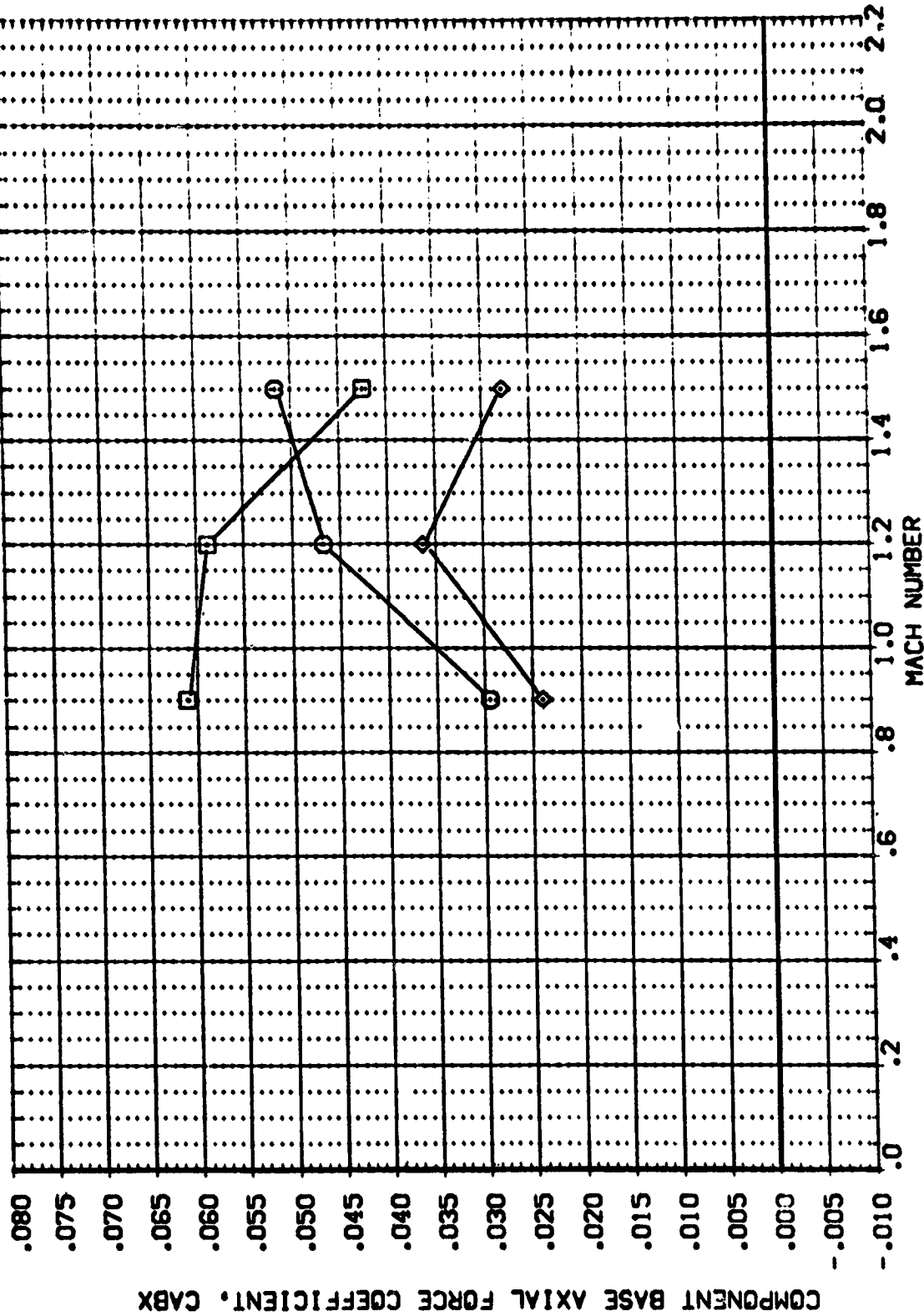
(AF4009)

IA68 C1 F1 M3 M4

SYMBOL DATA  
○ CAB0  
□ CAB1  
◇ CAB2

PARAMETRIC VALUES  
ALPHA -4.000 BETA .000

REFERENCE INFORMATION  
SREF 2690.0000 SC.FT.  
LREF 1378.0000  
BREF 1378.0000  
XREF 1378.0000  
YREF 1378.0000  
ZREF 1378.0000  
SCALE .0040



REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4009)

IA68 C1 F1 M3 M4

SYMBOL DATA  
○ CAB0  
□ CAB1  
◇ CAB2

PARAMETRIC VALUES  
ALPHA -2.000 BETA .000

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
LREF 1378.0000 IN.  
BREF 1378.0000 IN.  
XMP0 .0000  
YMP0 .0000  
ZMP0 .0000  
SCALE .0000

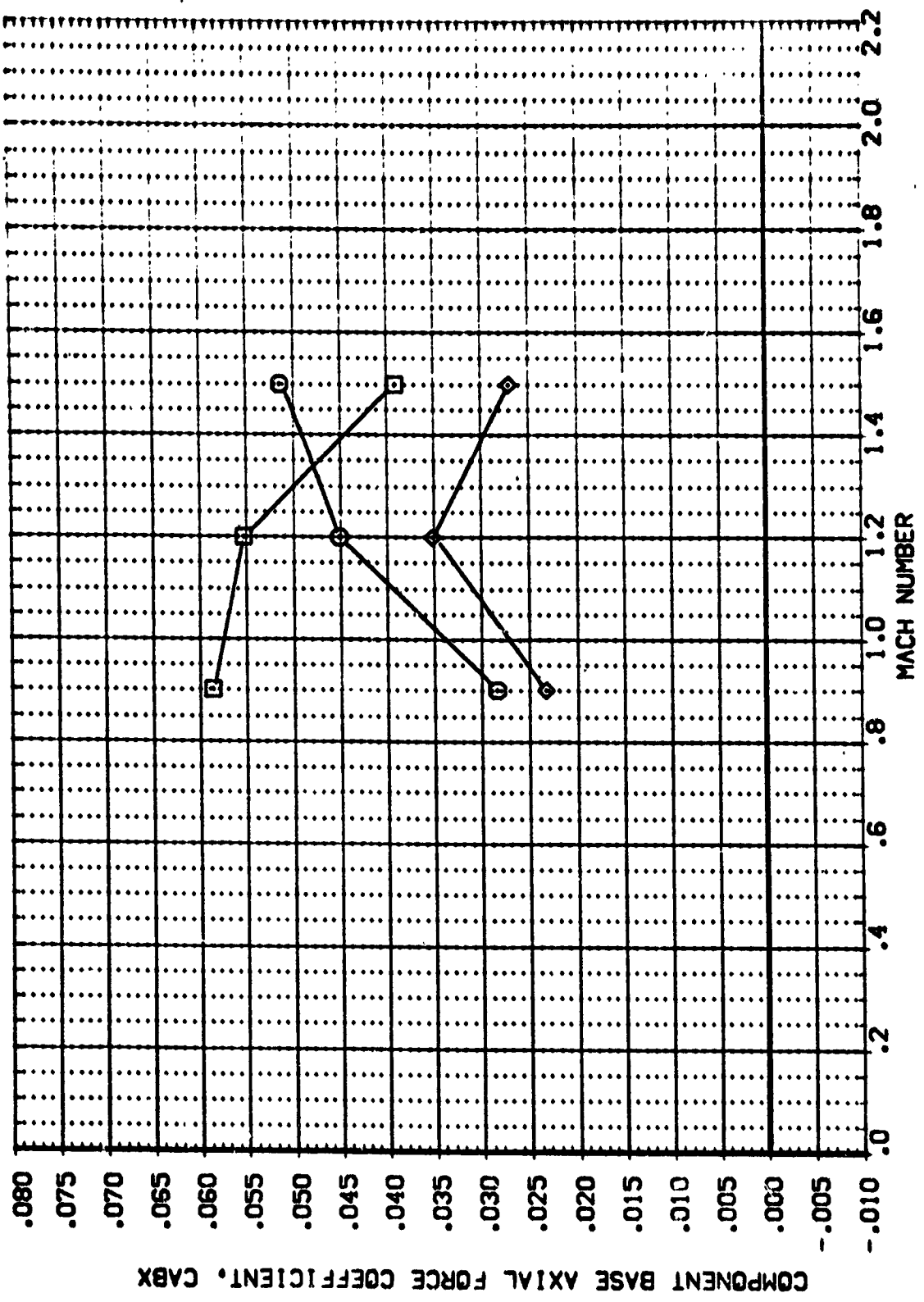


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS





(AF4009)

IA68 C: F1 M3 M4

SYMBOL DATA  
 CABO .000  
 CABT .000  
 CAB5 .000

ALPHA .000  
 BETA .000

REFERENCE INFORMATION  
 SREF : 378  
 LREF : 378  
 BREF : 378  
 XMAP :  
 YMAP :  
 ZMAP :  
 SCALE :

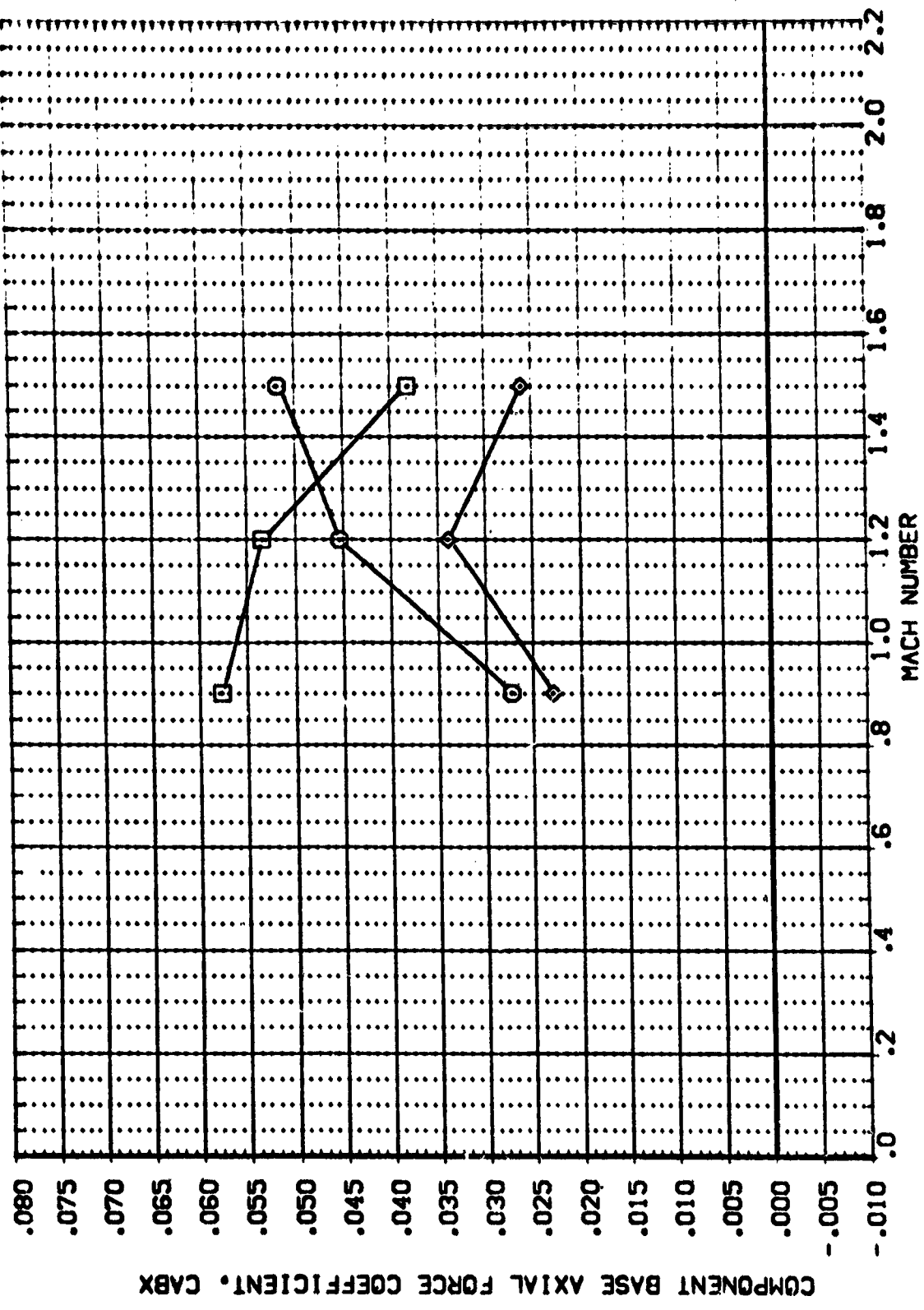


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

CAF4009

IA68 C: F1 M3 M4

SYMBOL DATA  
CABC CABT CABE

PARAMETRIC VALUES  
ALPHA 2.000 BETA .000

REFERENCE INFORMATION  
REF: 7000  
SER: 7000  
EXP: 7000  
YPR: 7000  
ZPR: 7000

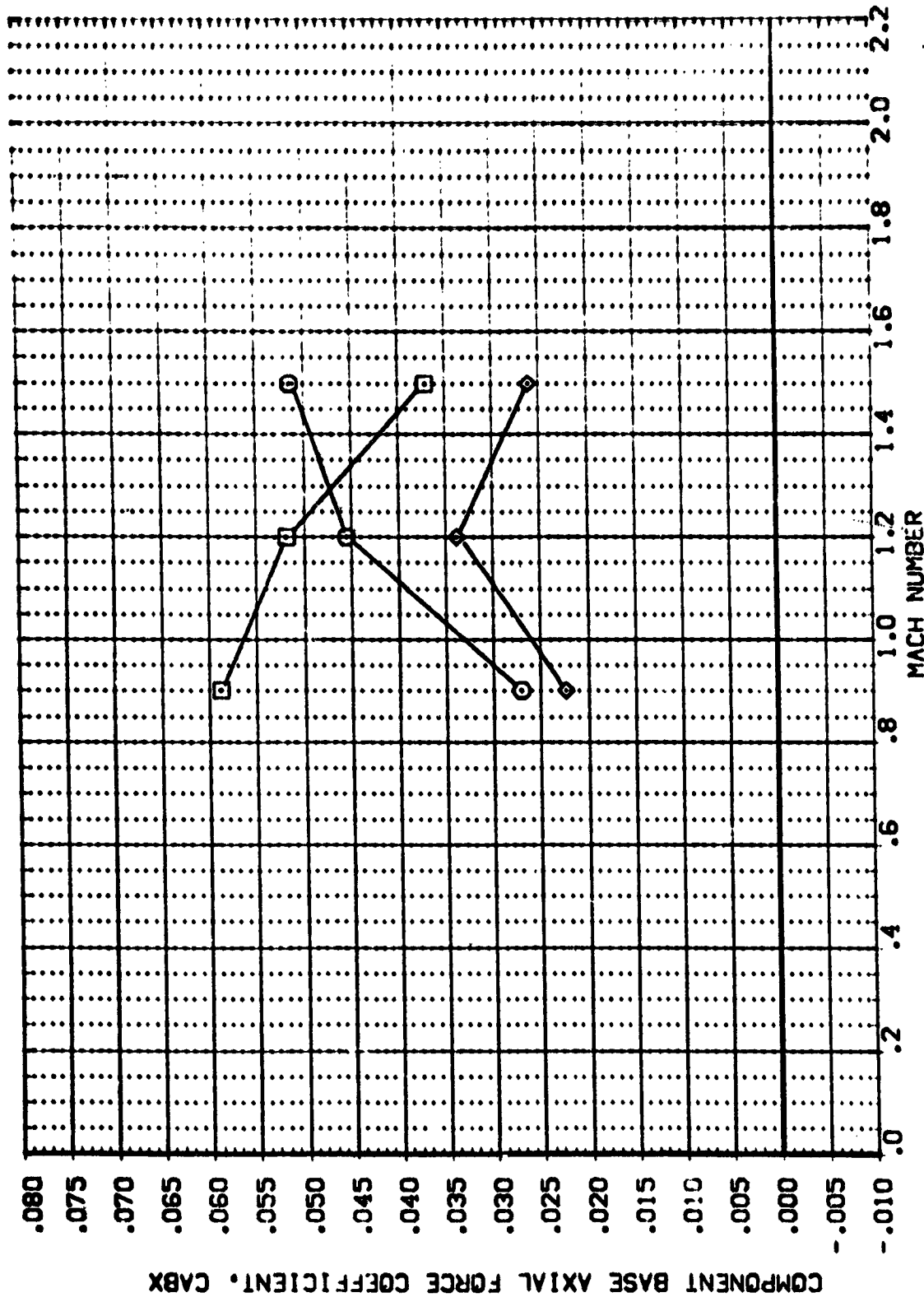


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4009)

1A68 C1 F1 M3 M4

SYMBOL DATA  
□ CAB0  
□ CAB1  
◇ CAB2

PARAMETRIC VALUES  
ALPHA 4.000 BETA .000

REFERENCE INFORMATION  
REF 7680.0000  
LINE 1378.0000  
BREF 1378.0000  
YREF 1378.0000  
ZREF 1378.0000  
SCALE .0040

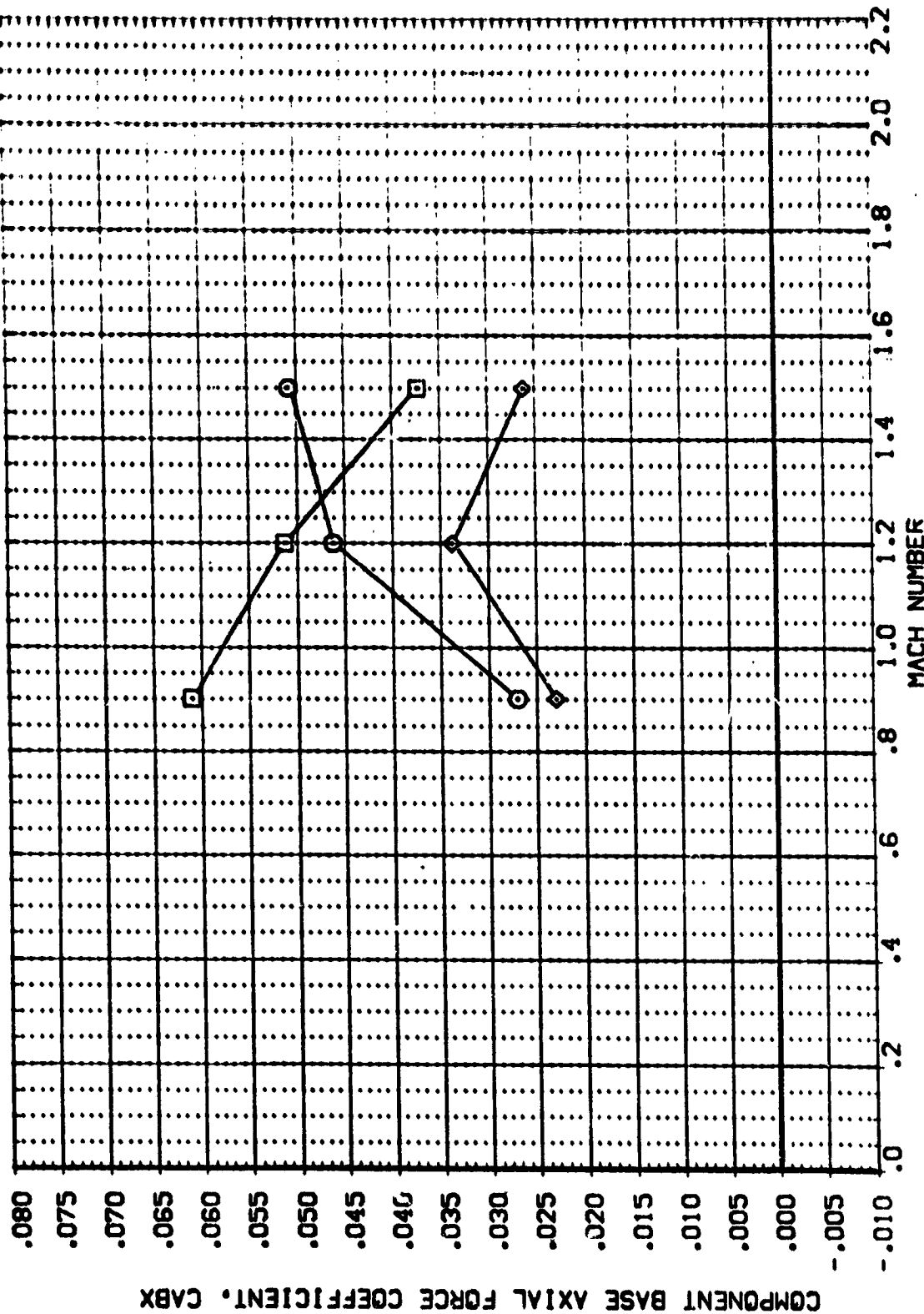


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

CAF40100

IA68 C1 F1 M3 M4

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
LREF 1378.0000  
XREF 1378.0000  
XPROP 1378.0000  
YPROP 1378.0000  
ZPROP 1378.0000  
SCALE 0.0010

PARAMETRIC VALUES  
BETA -4.000 ALPHA .000

SYMBOL DATA  
○ CAB0  
□ CAB1  
◇ CAB5

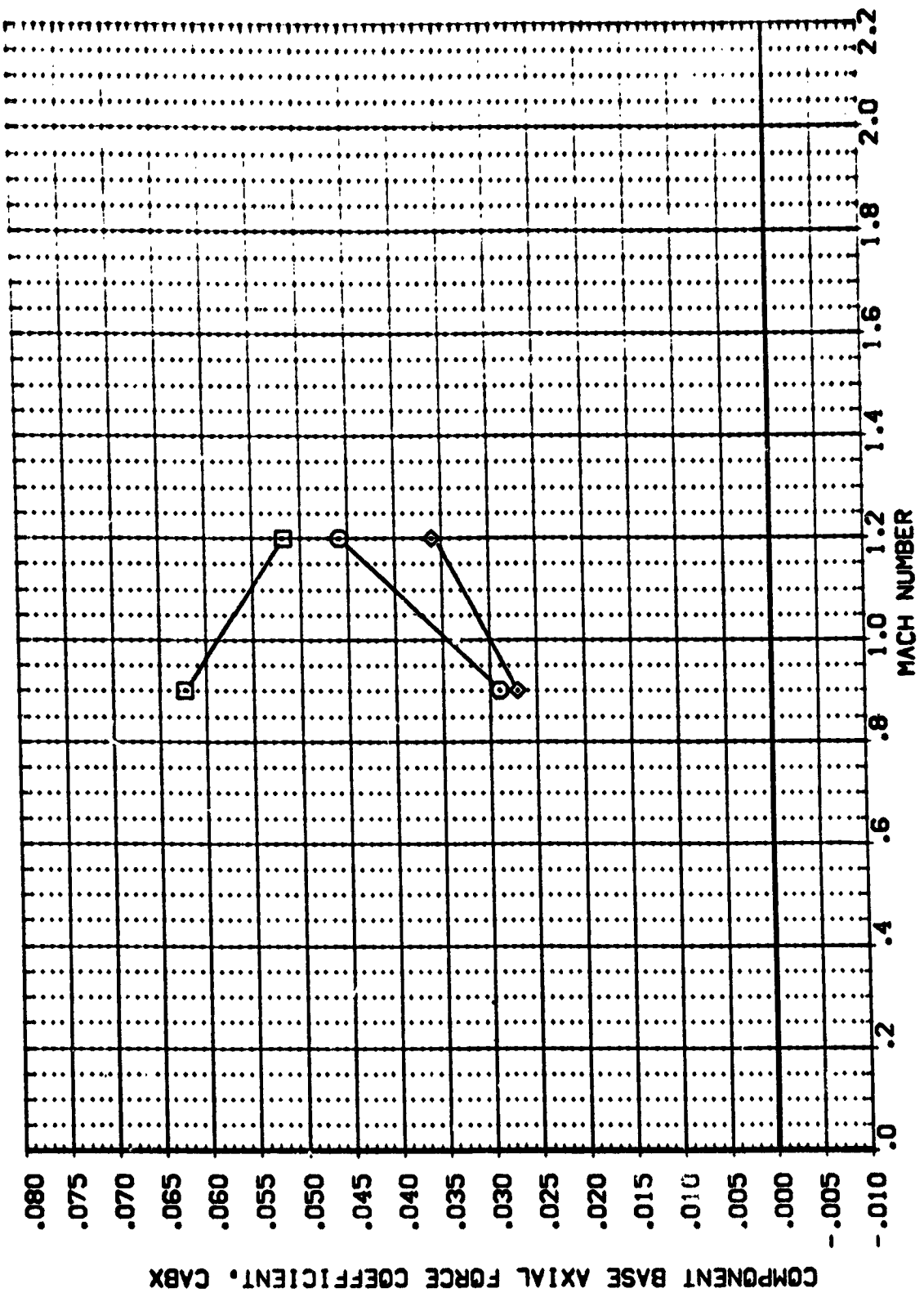


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS





(AF4010)

IA68 C1 F1 M3 M4

SYMBOL DATA  
□ CABQ  
◇ CABT  
◇ CAB3

BETA -2.000 ALPHA .000

REFERENCE INFORMATION  
SREF 2650 .0000  
LREF 1328 .0000  
BREF 1328 .0000  
XMRP .0000  
YMRP .0000  
ZMRP .0000  
SCALE .0010

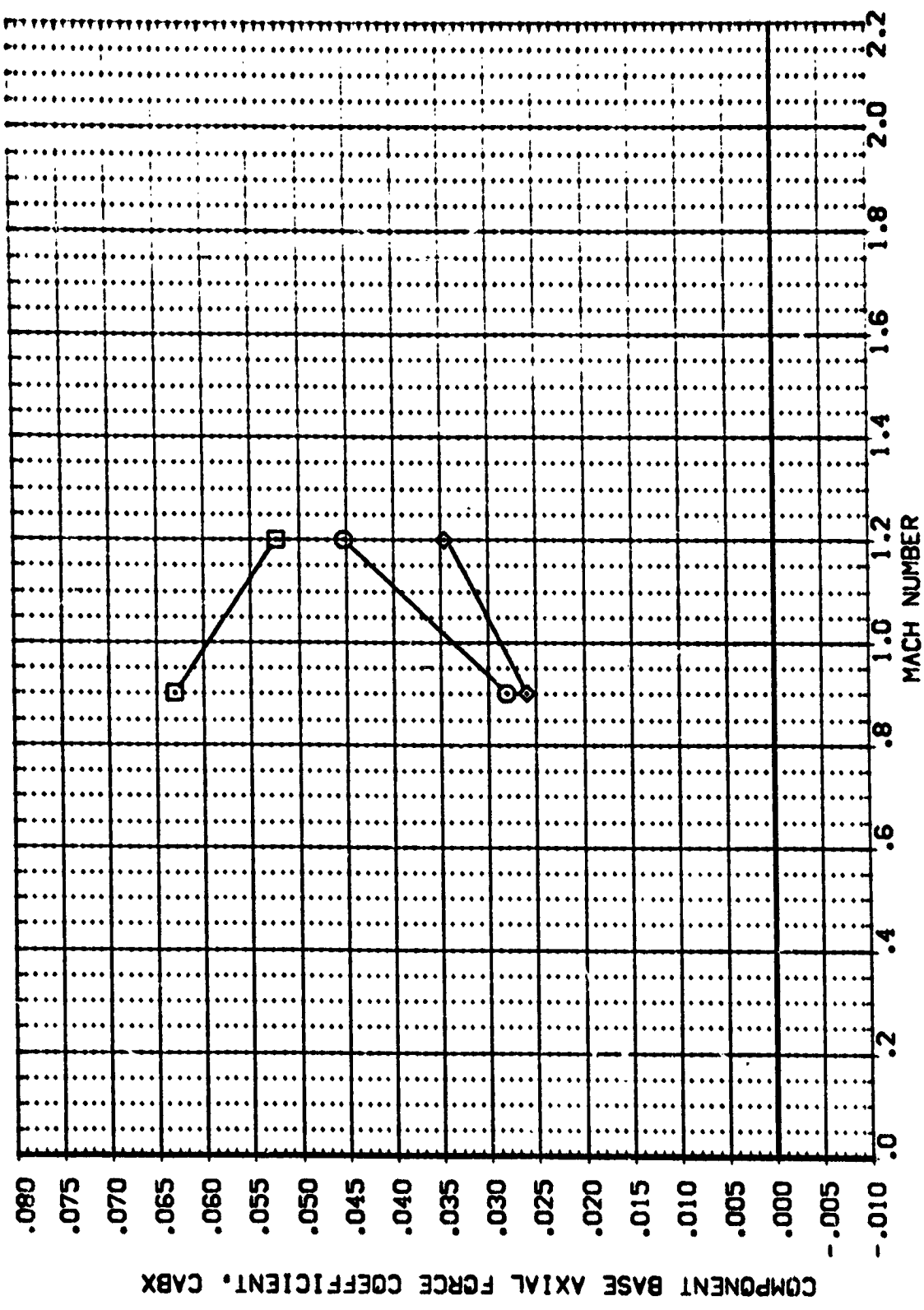


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF40:0)

:A68 C1 F1 M3 M4

SYMBOL DATA  
CABO  
CABT  
CABS

BETA .000  
PARAMETRIC VALUES  
ALPHA .000

REFERENCE INFORMATION  
SREF 7680  
LREF 378  
BREF 378  
XPROP  
YPROP  
ZPROP  
SCALE

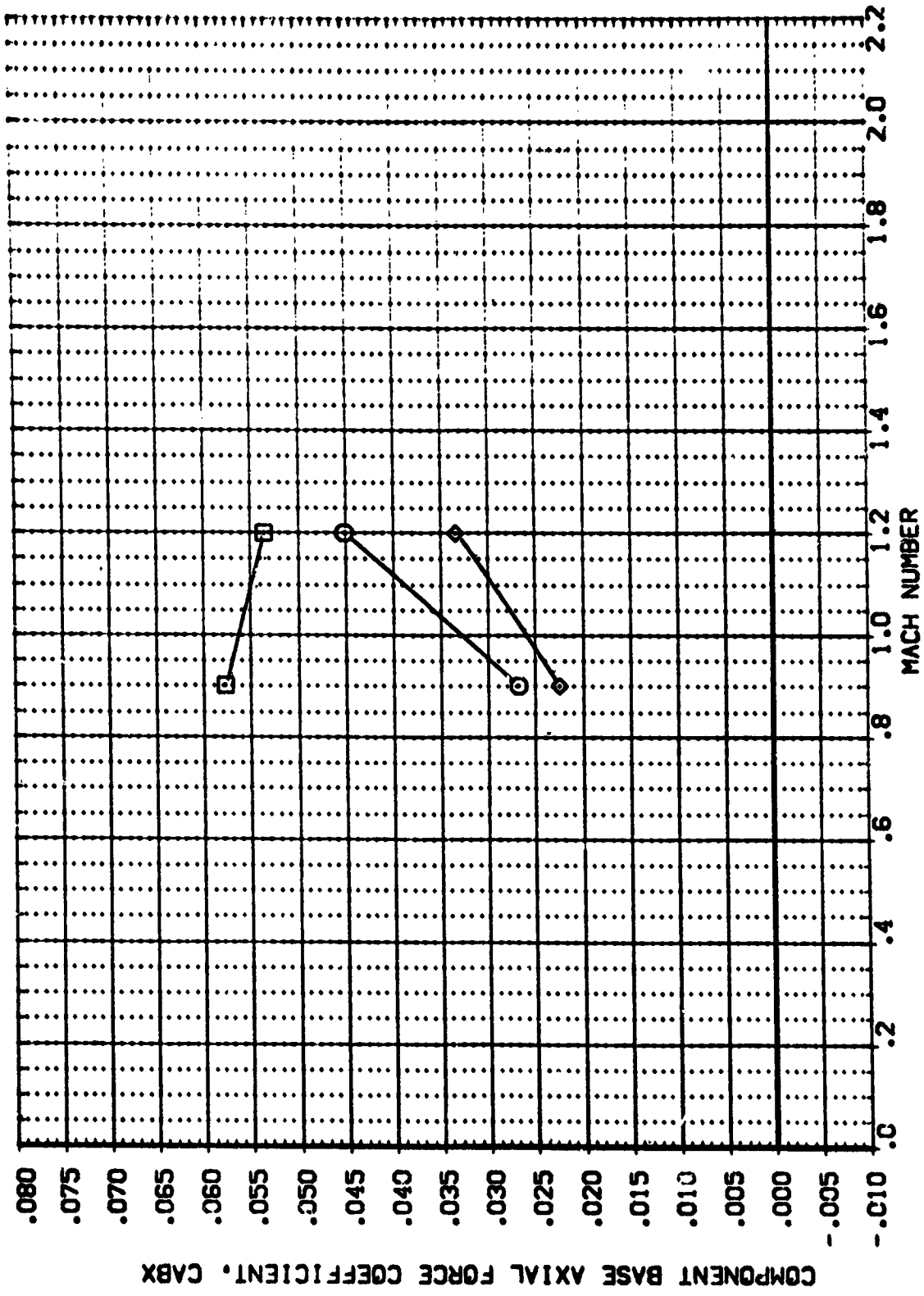


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF4010)

!A68 C: F1 M3 M4

SYMBOL DATA  
□ CABO  
○ CABT  
◇ CAB5

PARAMETRIC VALUES  
BETA 2.000 ALPHA .000

REFERENCE INFORMATION  
SREF 7690.0000 SQ.FT.  
LREF 1.378.3000  
BREF 1.378.3000  
XWRP .0000  
YWRP .0000  
ZWRP .0000  
SCALE .0010

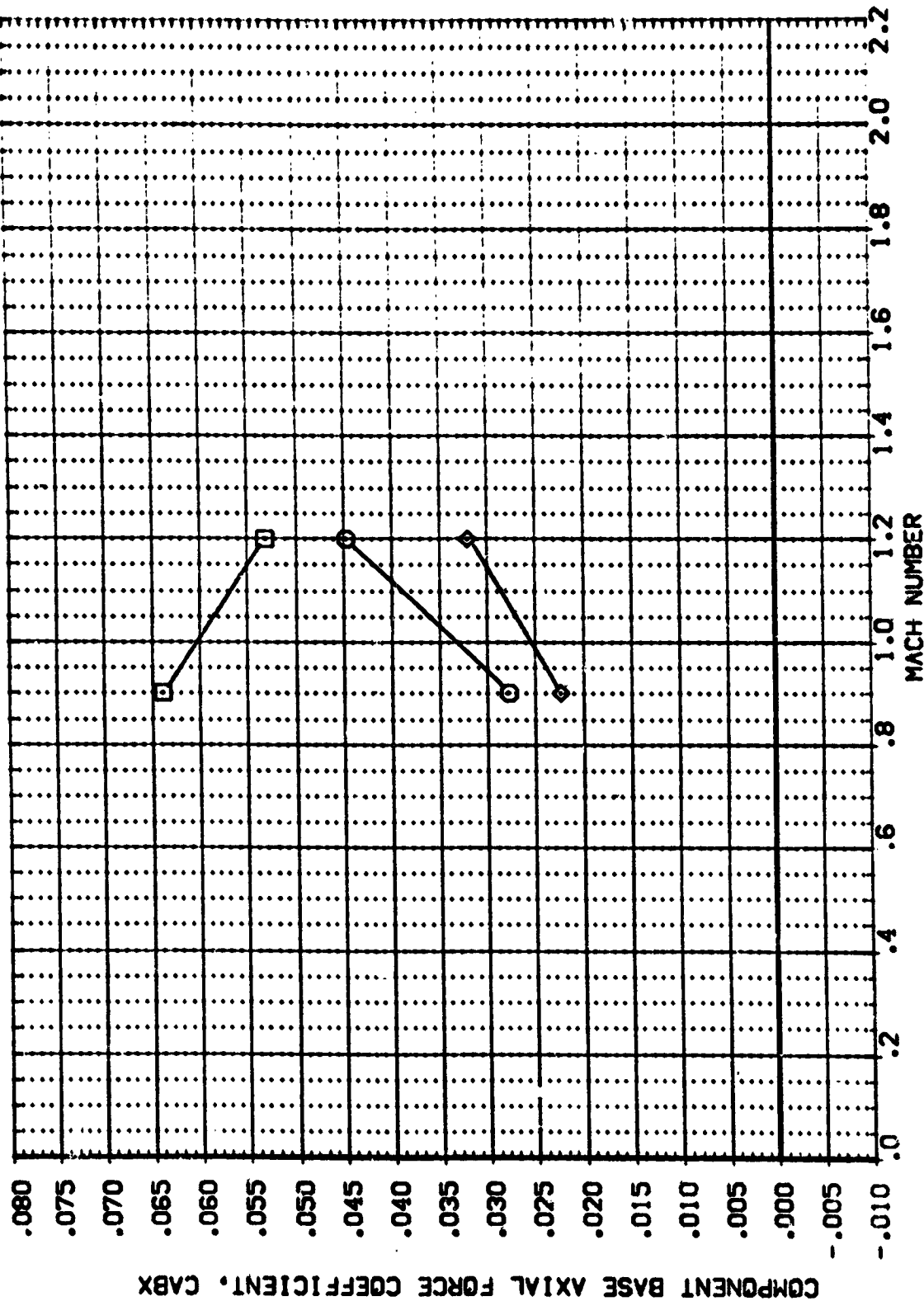


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF40:0)

:A66 C1 F1 M3 M4

SYMBOL DATA  
 ○ CABO  
 ◇ CABT  
 ◇ CABBS

PARAMETRIC VALUES  
 BETA 4.000 ALPHA .000

REFERENCE INFORMATION  
 SREF 2680.0000  
 LREF 378.3000  
 BREF 378.3000  
 XMRD  
 YMRD  
 ZMRD  
 SCALE 10000

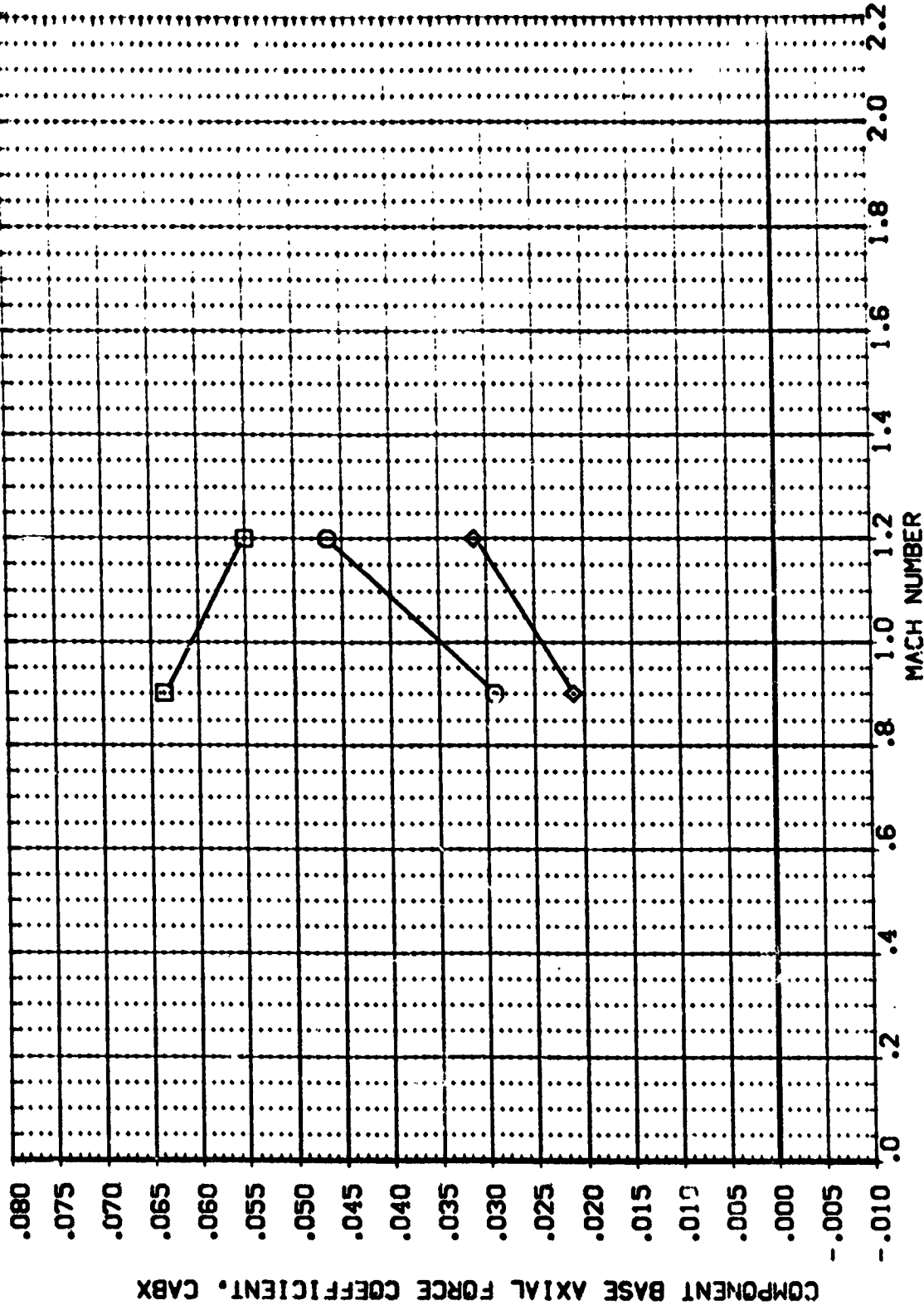


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



IA68 C1 F1 M1

(AF4011)

SYMBL DATA  
□ CABO  
◇ CABT  
◇ CABS

PARAMETRIC VALUES  
ALPHA -4.000 BETA .000

REFERENCE INFORMATION  
SREF 2690.0000 SQ.FT.  
LREF 1.78  
BREF .378  
XWRP  
YWRP  
ZWRP  
SCALE .0040

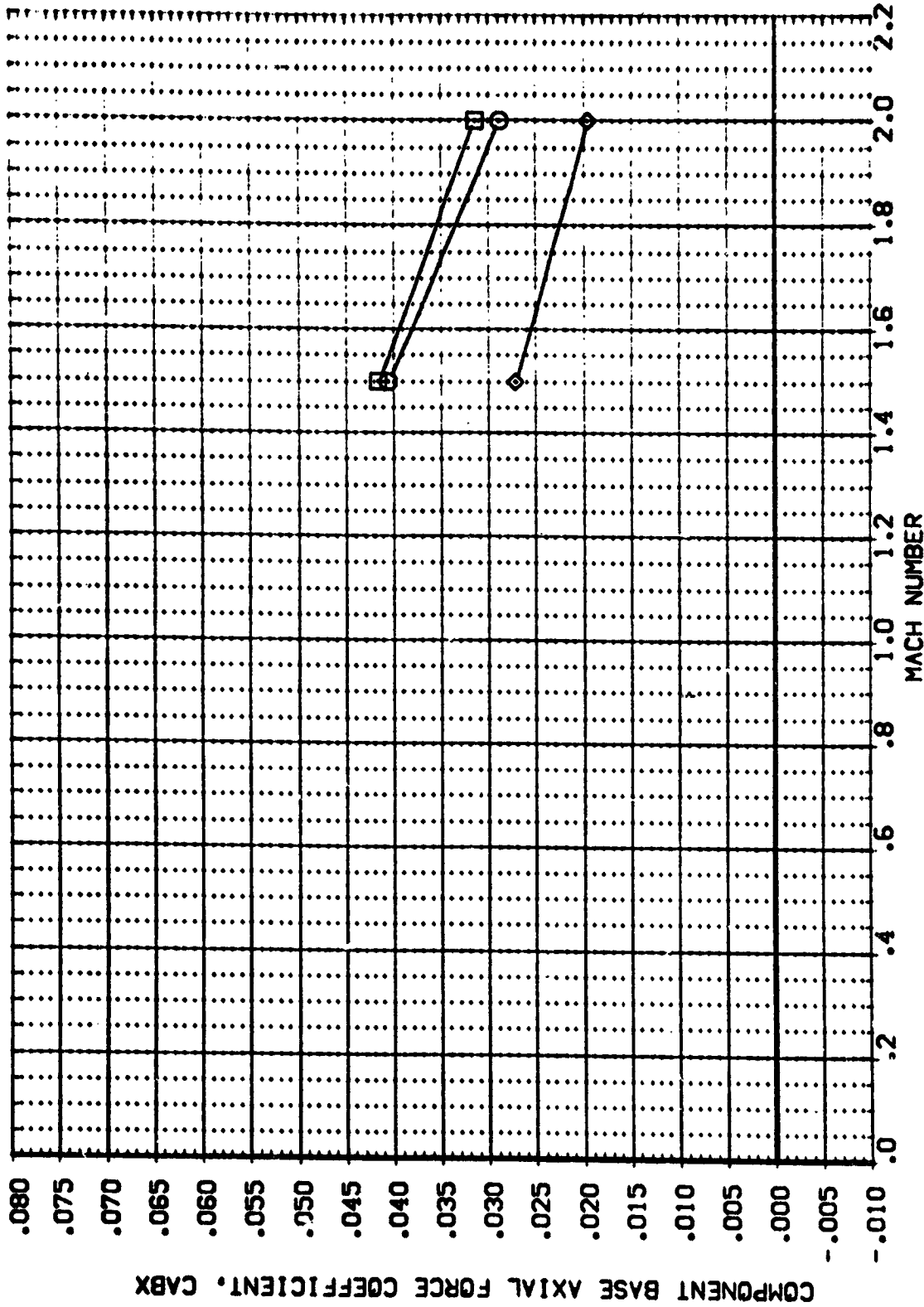


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

CAF40:00

1A68 C: F1 M

SYMB. DATA

□ CAB0

□ CABT

◇ CAB5

PARAMETRIC VALUES

ALPHA -2.000

BETA .00

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.

LREF 378.3000 IN.

BREF 378.3000 IN.

XPRP . . . . .

YPRP . . . . .

ZPRP . . . . .

SCALE . . . . .

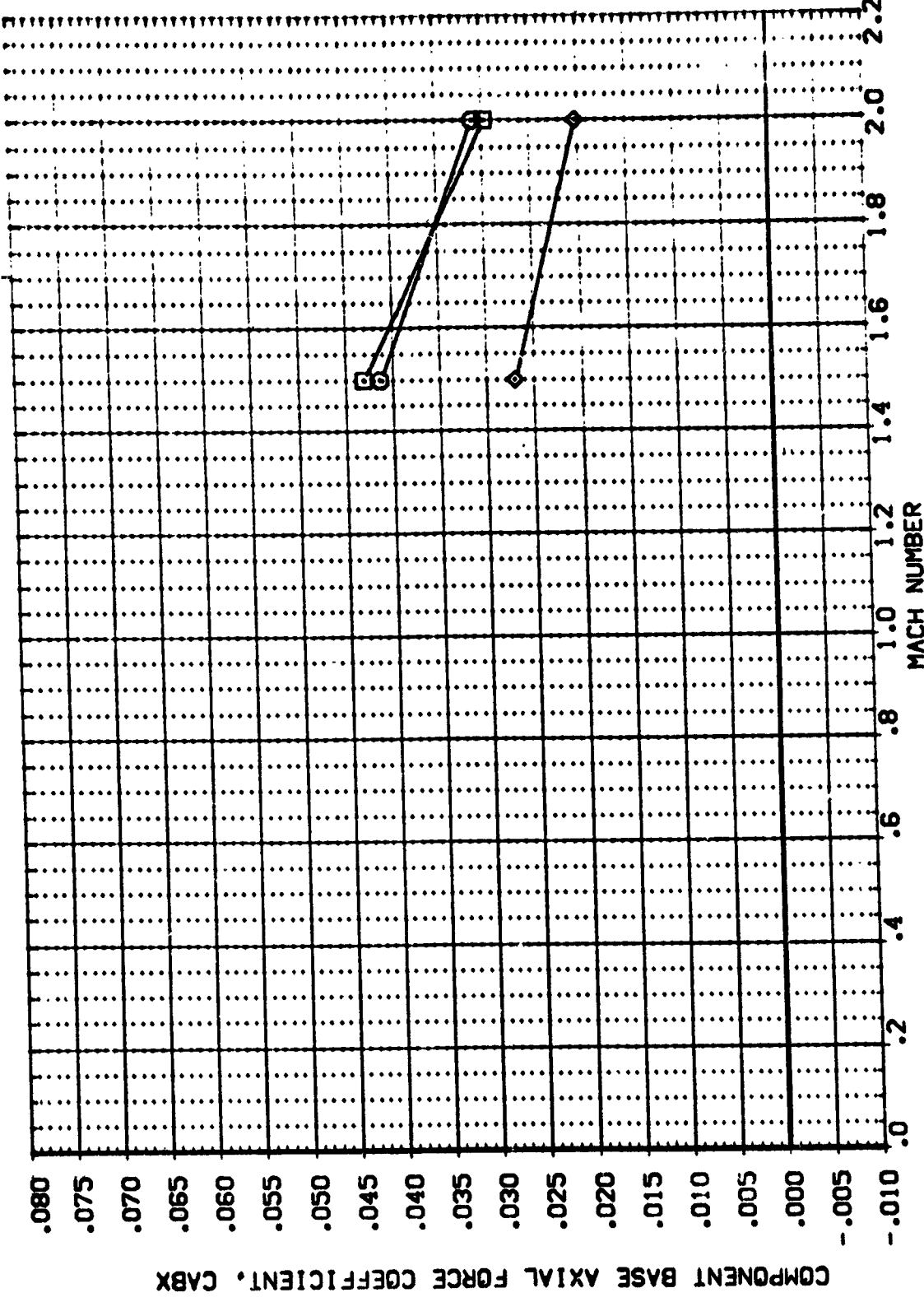


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF4011)

IA68 C1 F1 M1

SYMBOL DATA ALPHA .000 BETA .000  
CAB0  
CAB1  
CAB5

REFERENCE INFORMATION  
SREF 2690.0000  
LREF 1.37813000  
BREF 1.37813000  
YMRP .00000000  
ZMRP .00000000  
SCALE .0001

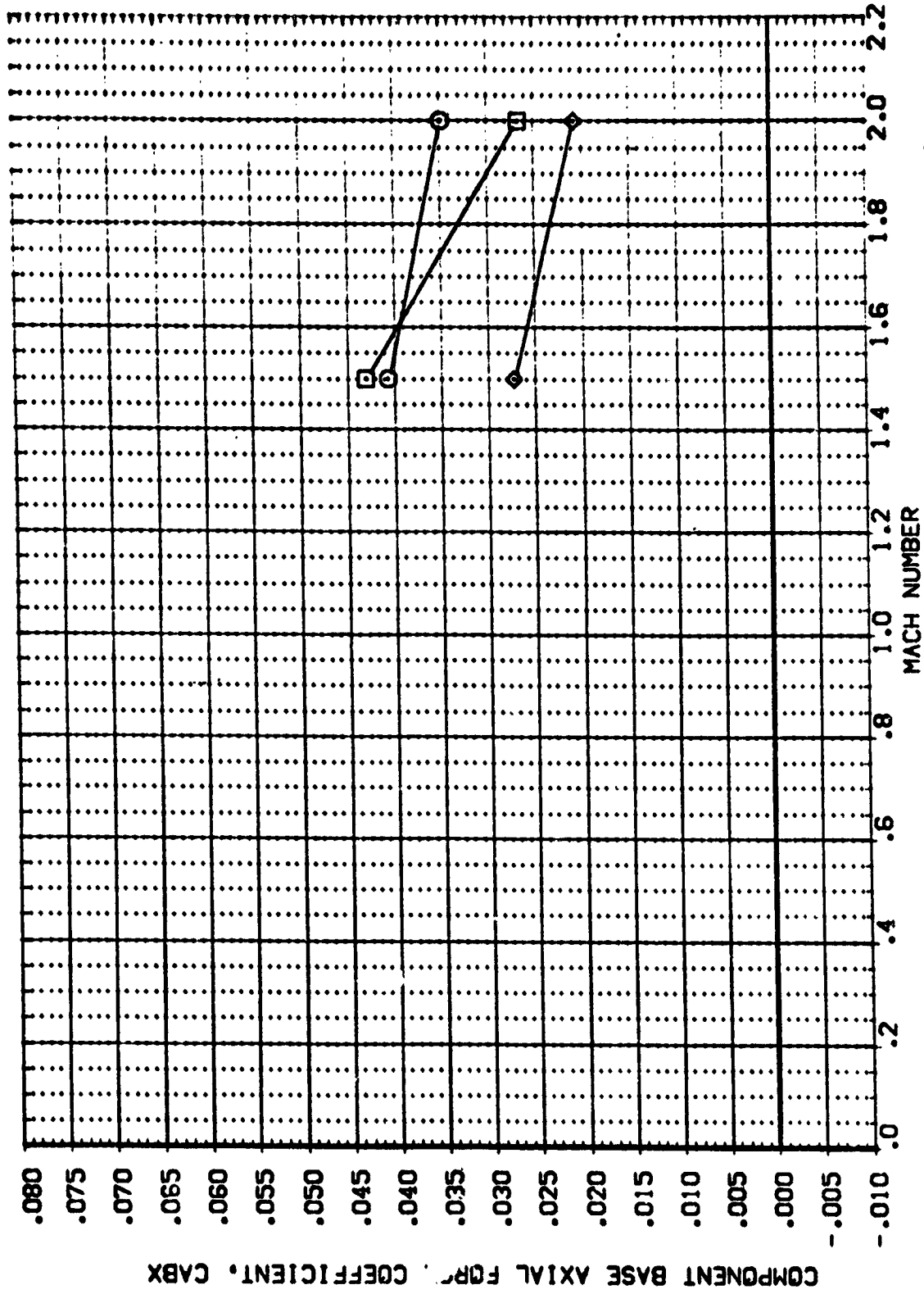


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4011)

IA68 C1 F1 M:

SYMBOL DATA  
○ CABO  
□ CABT  
◇ CABS

PARAMETRIC VALUES  
ALPHA 2.000 BETA .000

REFERENCE INFORMATION  
SREF 2690.0000 SC.F.T.  
LREF 1328.3000  
BREF 1328.3000  
YMRP 1328.3000  
ZMRP 1328.3000  
SCALE .0040

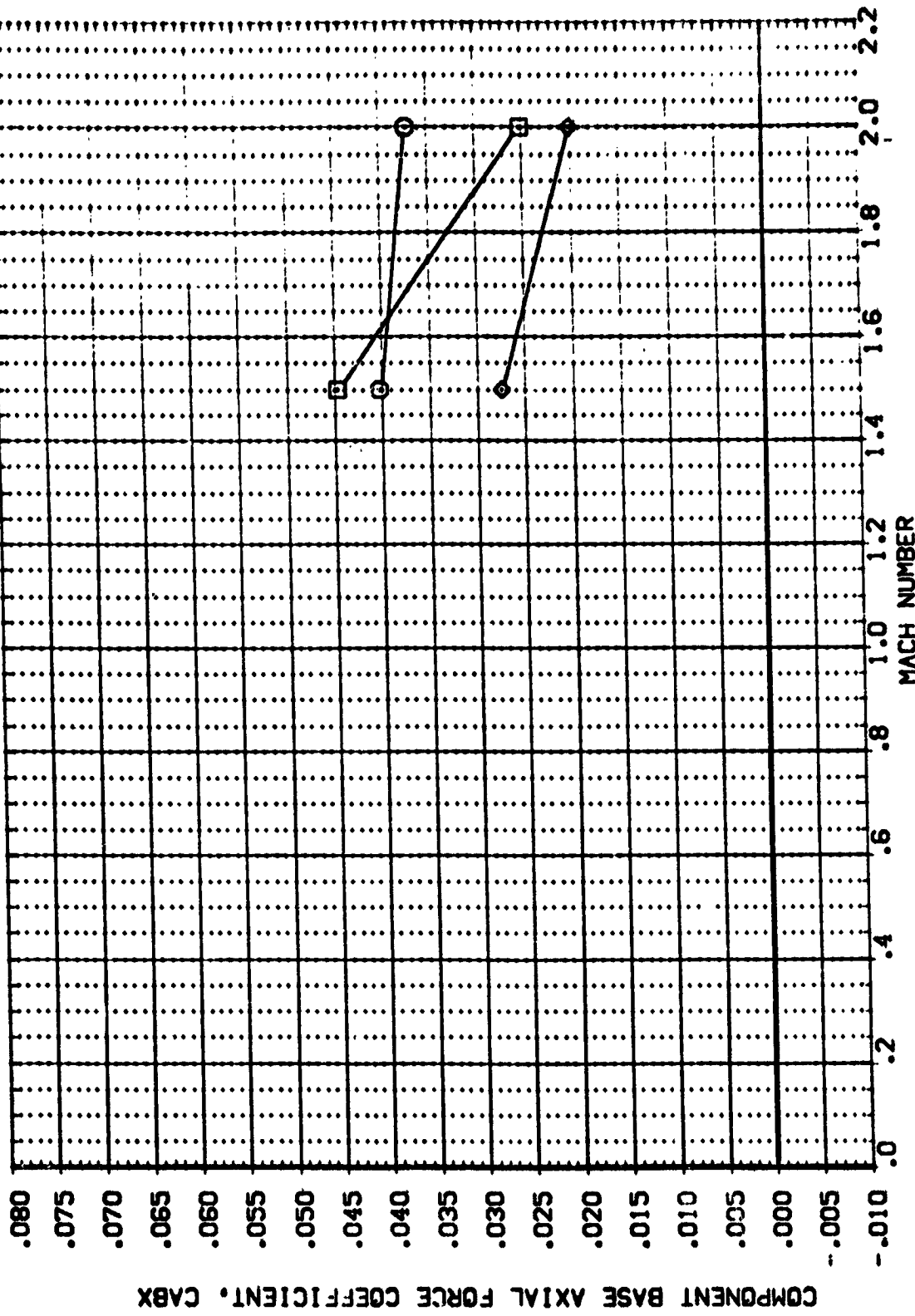


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS







(AF40:2)

IA68 CI F1 M2

SYMBOL DATA ALPHA .000 BETA .000

○ CAB0  
 □ CAB1  
 ◇ CAB5

REFERENCE INFORMATION  
 SPEC 7690-0000  
 LREF 7690-0000  
 BREF 3278-0001  
 XREF 7690-0000  
 YREF 7690-0000  
 ZREF 7690-0000  
 SCALE 10000

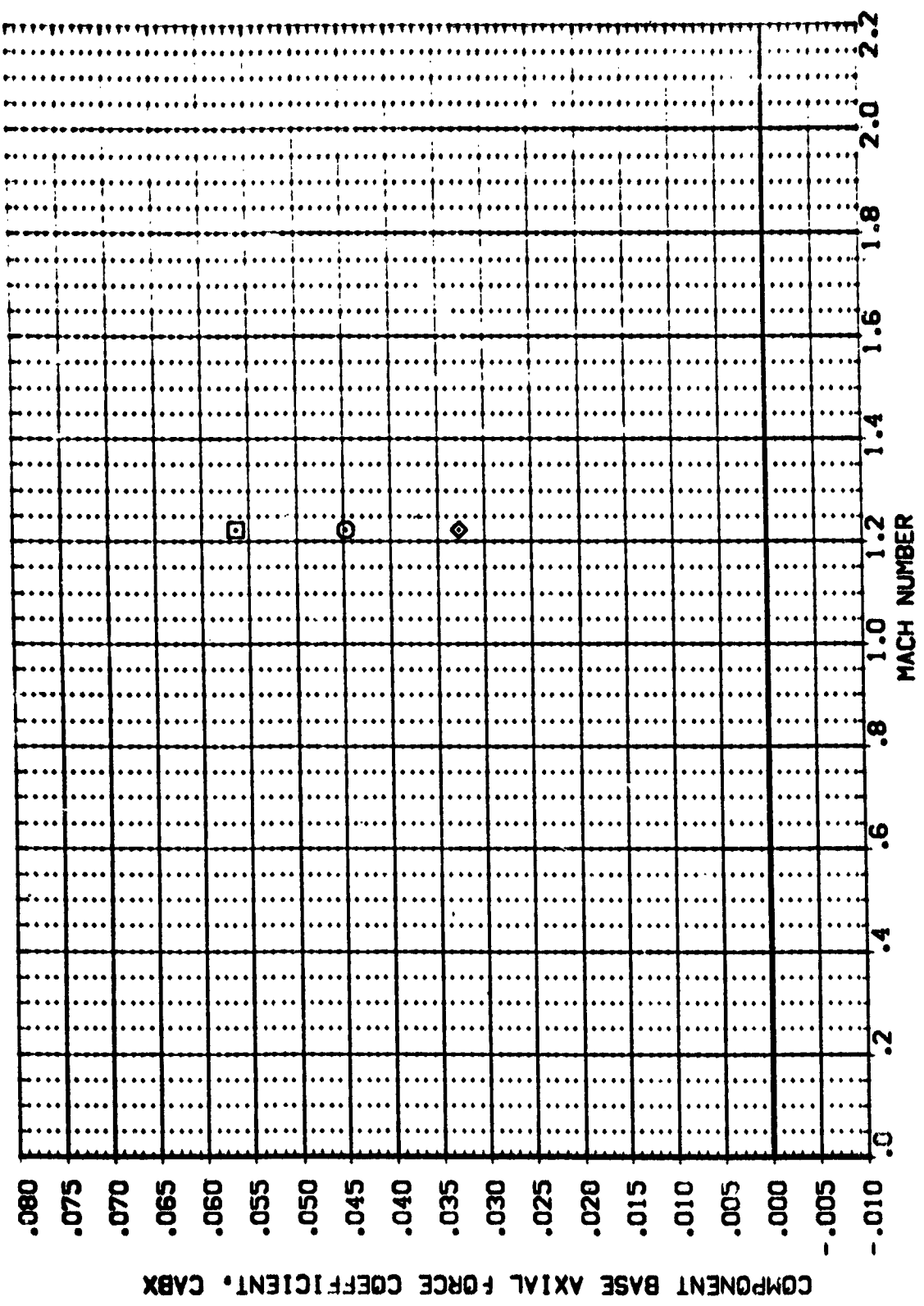


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



DATA SET SYMB. CONFIGURATION DESCRIPTION  
 (D-1004) IAB8 C1 F1 M1  
 (D-1007) IAB8 C1 F1 M2(1)-FILLET  
 (D-1009) IAB8 C1 F1 M3 M4  
 (D-1011) IAB8 C1 F1 M1

BETA  
 .000  
 .000  
 .000  
 .000

REFERENCE INFORMATION  
 SREF 2850.0000 SQ.FT.  
 LREF 1378.0000  
 BREF 1378.0000  
 YREF 1378.0000  
 ZREF 1378.0000  
 YPROP 1378.0000  
 ZPROP 1378.0000  
 SCALE 1378.0000

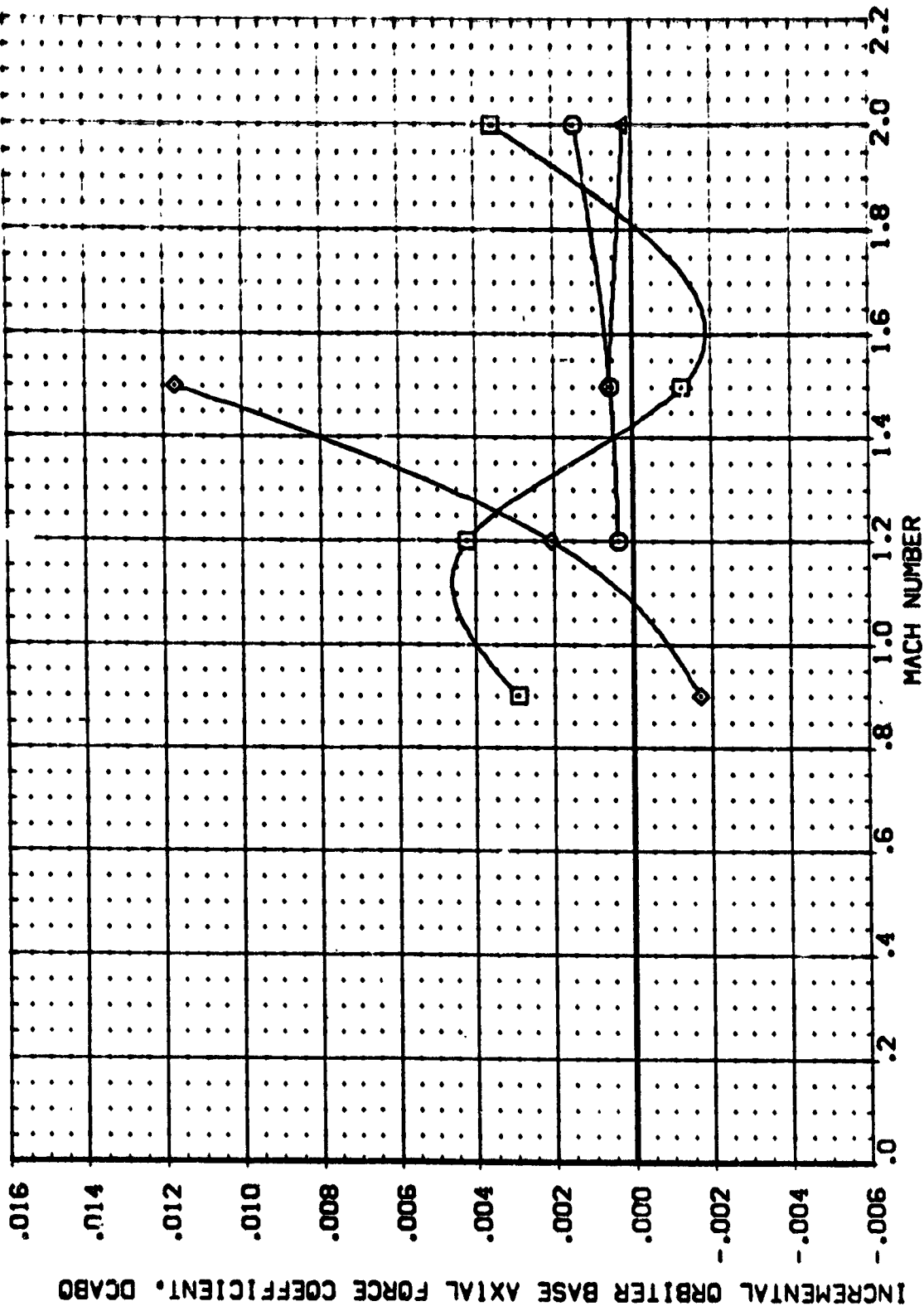


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

CALPHA = -4.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [DF004] [A88 C1 F1 M1]  
 [DF007] [A88 C1 F1 M2(1)-FILLET]  
 [DF009] [A88 C1 F1 M3 M4]  
 [DF011] [A88 C1 F1 M1]

BETA  
 .000  
 .000  
 .000  
 .000

REFERENCE INFORMATION  
 SREF 2850-0000 SQ.FT.  
 CREF 1378-3000 IN.  
 BREF 1378-3000 IN.  
 XREF 1378-3000 IN.  
 YREF 1378-3000 IN.  
 ZREF 1378-3000 IN.  
 SCALE 10000

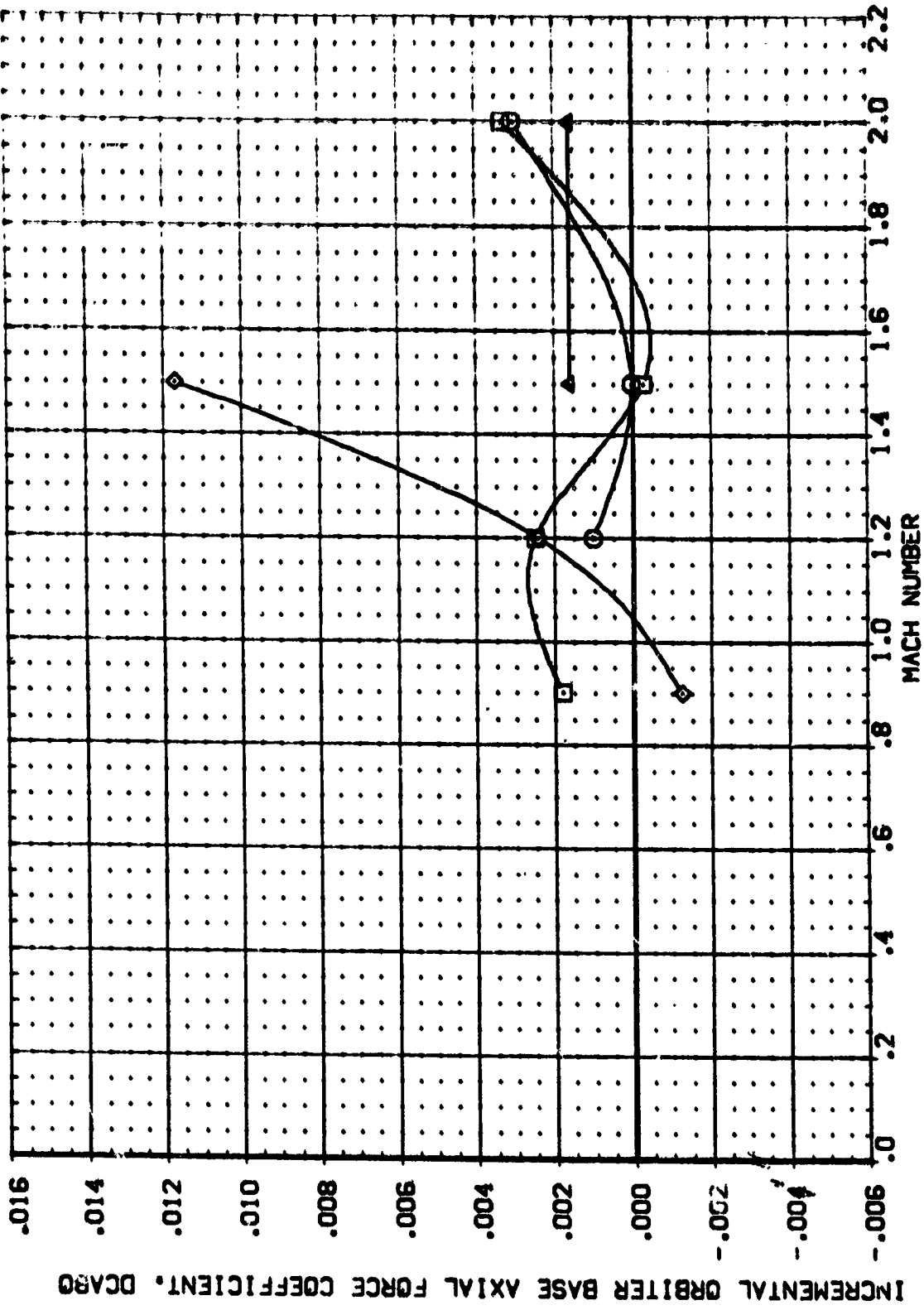


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

(B) ALPHA = -2.00



DATA SET SYMB. CONFIGURATION DESCRIPTION  
 (DF4004) □ 1A68 C1 F1 M1  
 (DF4007) □ 1A68 C1 F1 M2(1)+FILLET  
 (DF4008) □ 1A68 C1 F1 M3 M4  
 (DF4011) □ 1A68 C1 F1 M1

BETA  
 .000  
 .000  
 .000  
 .000

REFERENCE INFORMATION  
 SREF 2580 0000  
 SREF 2580 0000  
 SREF 1378 0000  
 SREF 1378 0000  
 XPROP 0000  
 YPROP 0000  
 ZPROP 0000  
 SCALE 0000

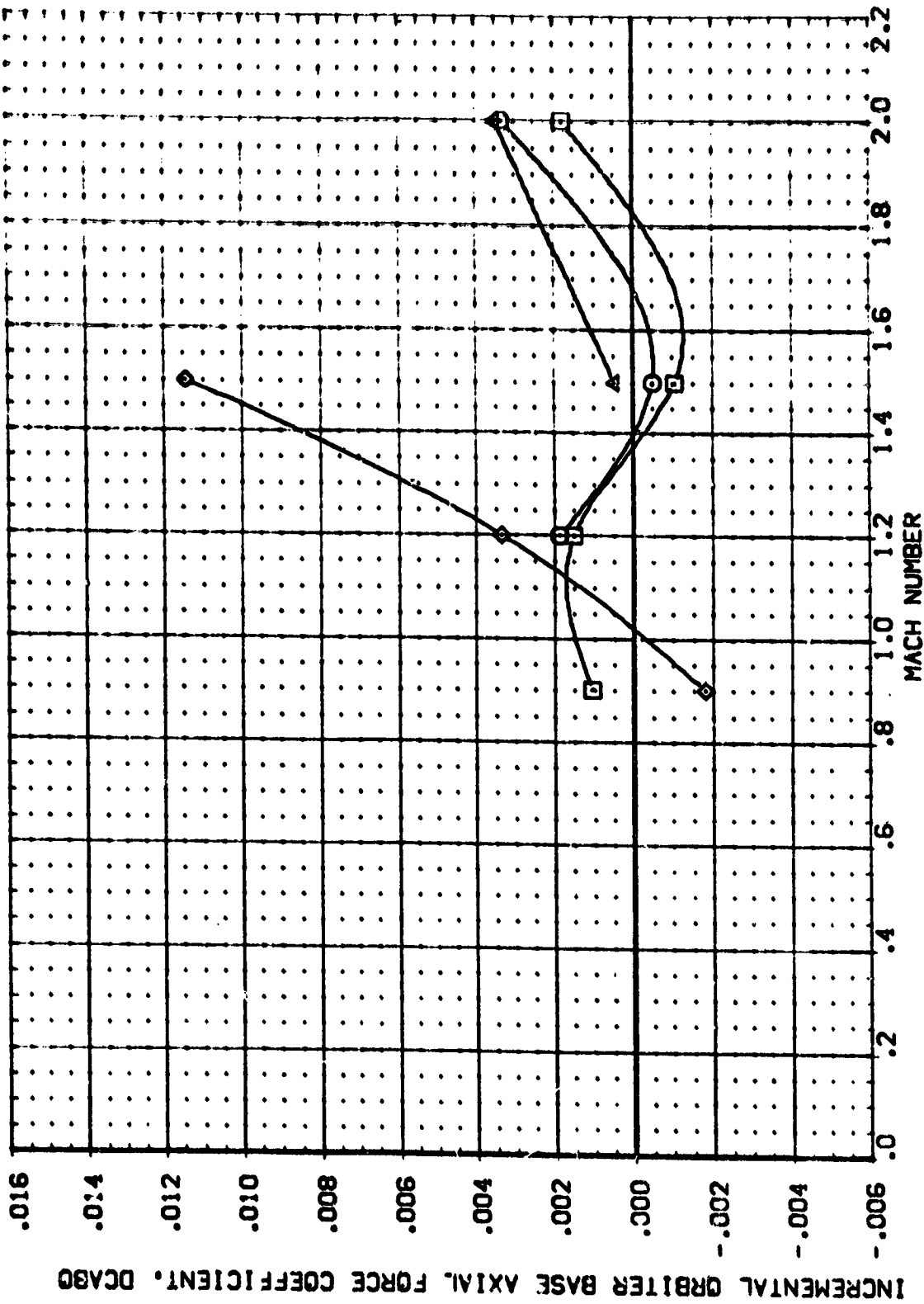


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS  
 (CALPHA = .00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[S400A]	Q	A68	C1	F1	M1
[S4007]	X	A68	C1	F1	M2(1)H-F1-LET
[S4008]		A68	C1	F1	M3 M4
[S4009]		A68	C1	F1	M1

BETA

.000
.000
.000
.000

REFERENCE INFORMATION

SIZE	7680	0000
LINE	1378	0000
REF	1378	0000
Y PRP	1378	0000
Y1 TO		
Z MAX		
SCALE		

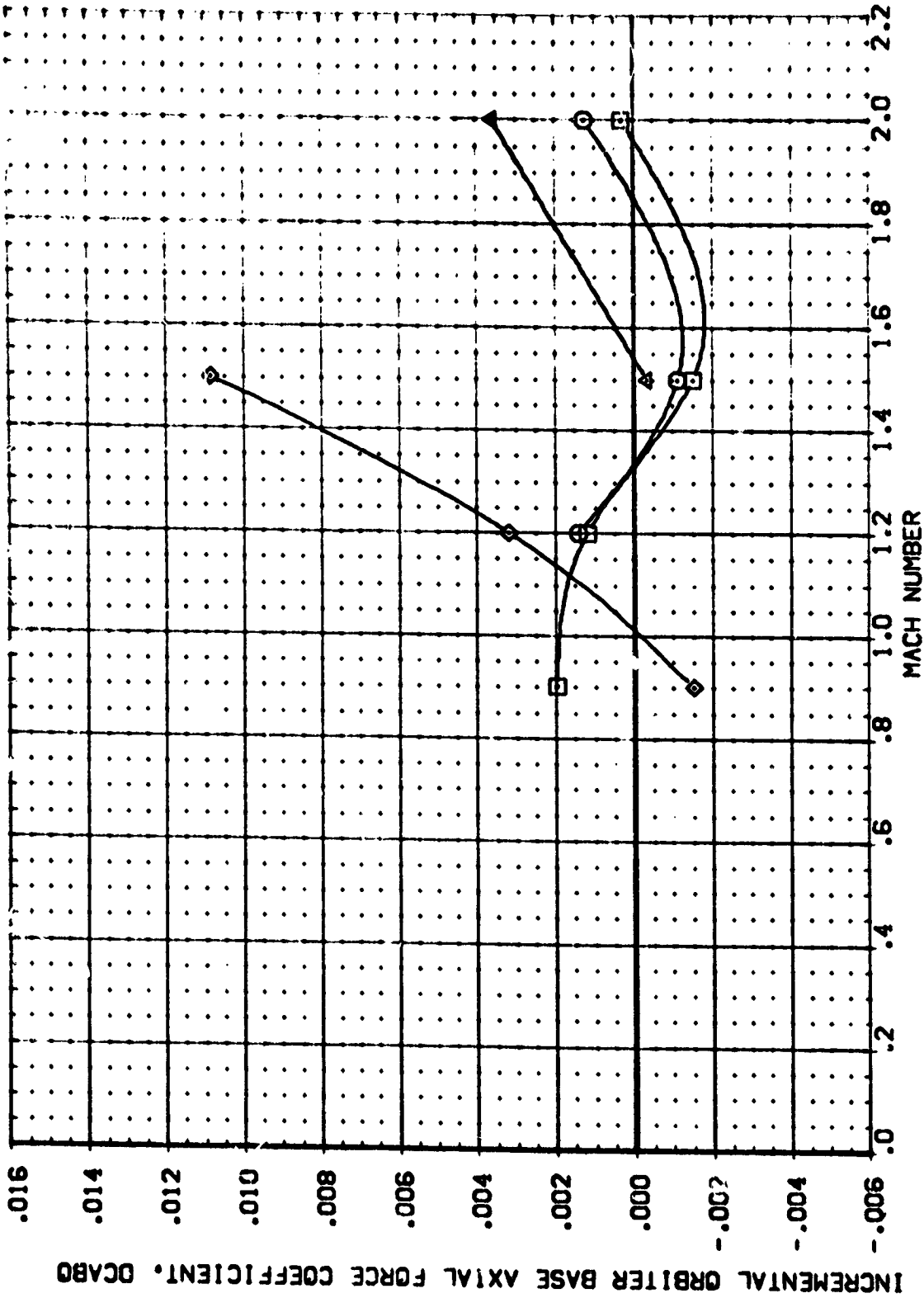


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

(C) ALPHA = 2.00



REFERENCE INFORMATION  
 SREF 2680.0000 SC.F.  
 REF 1328.3000  
 XREF 1328.3000  
 YREF 3000  
 ZREF 3000  
 XPRP 3000  
 YPRP 3000  
 ZPRP 3000  
 SCALE .0010

BETA  
 .000  
 .000  
 .000  
 .000

DATA SET SYMB. CONFIGURATION DESCRIPTION  
 [D54004] [A88 C1 F1 M1]  
 [D54007] [A88 C1 F1 M2(1)-FILLET]  
 [D54009] [A88 C1 F1 M3 M4]  
 [D54011] [A88 C1 F1 M1]

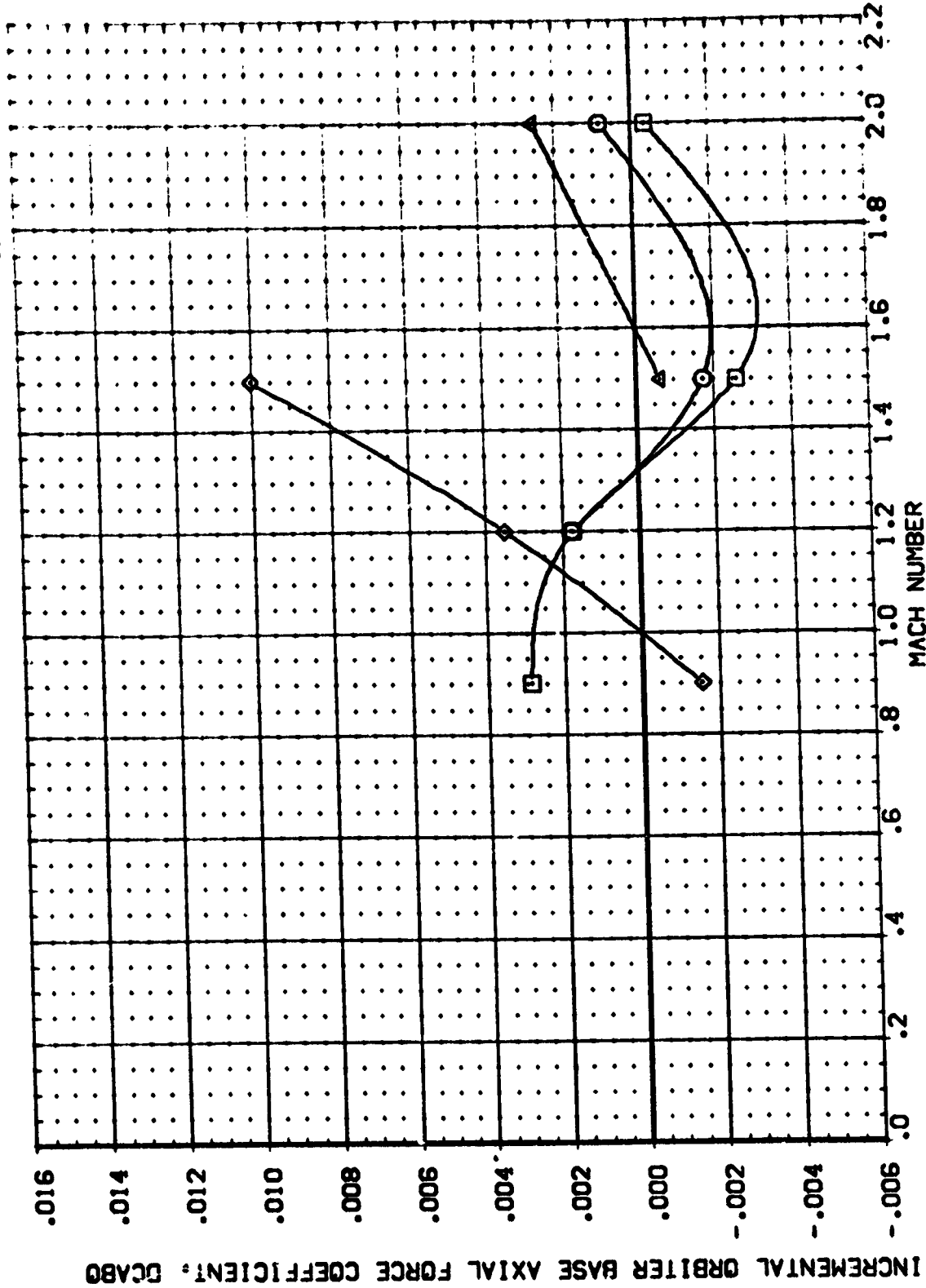


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

(E)ALPHA = 4.00

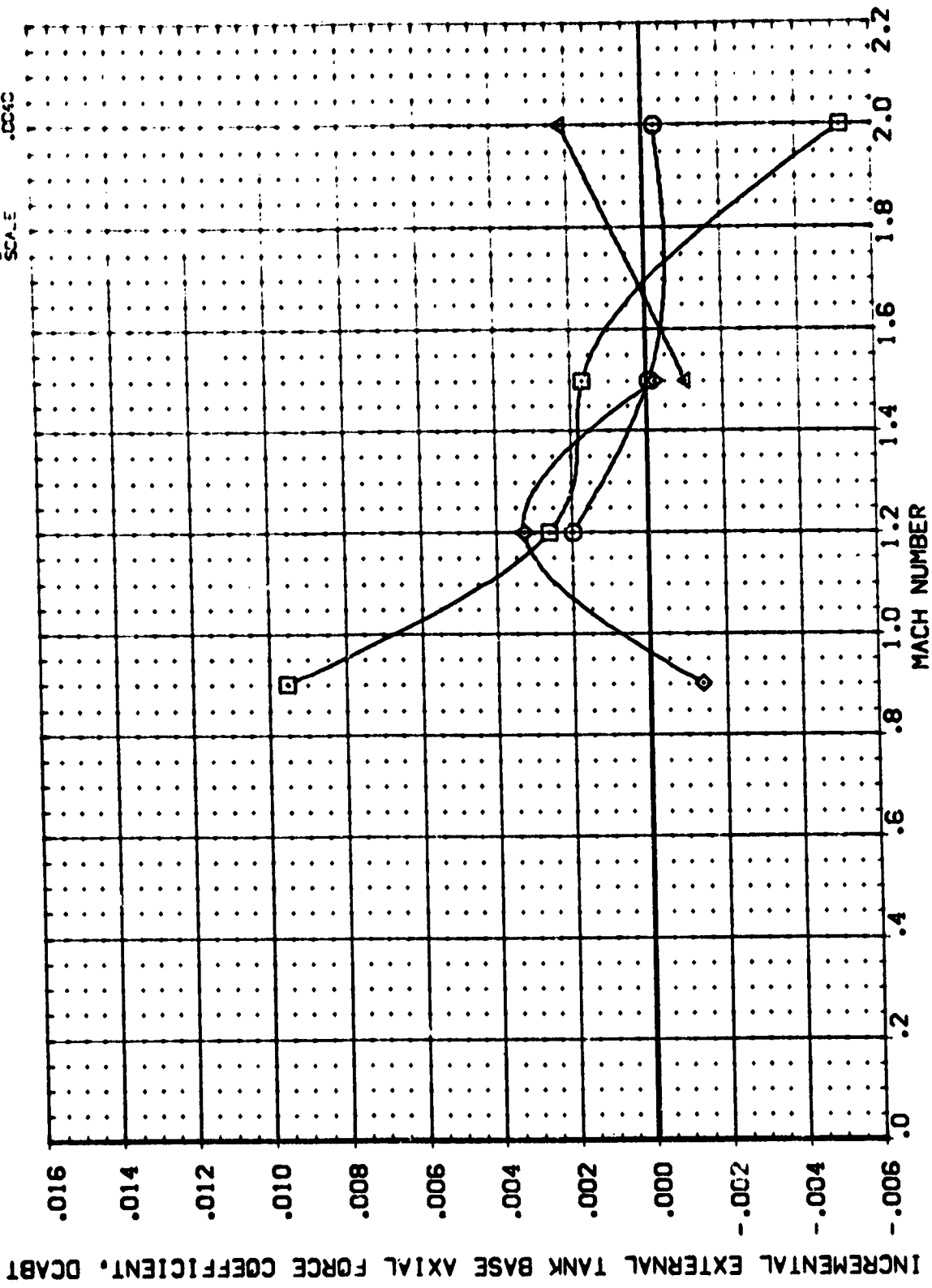


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

(A)ALPHA = -4.00

DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 [DF4004] [A68 CI FI MI  
 [DF4007] [A68 CI FI M2(1)]+FILLET  
 [DF4009] [A68 CI FI M3 M4  
 [DF4011] [A68 CI FI MI

BETA  
 .000  
 .000  
 .000

REFERENCE INFORMATION  
 SREF 7680 0000 SQ.FT.  
 AREF 1378 3000 IN.  
 BREF 1378 3000 IN.  
 XMRD 0000  
 YMRD 0000  
 ZMRD 0000  
 SCALE .0010

INCREMENTAL EXTERNAL TANK BASE AXIAL FORCE COEFFICIENT, DCAB1



REFERENCE INFORMATION  
 SREF 2690.0000 SQ.FT.  
 LREF 1.328 IN.  
 BREF 1.328 IN.  
 XMRP 0.0000  
 YMRP 0.0000  
 ZMRP 0.0000  
 SCALE .0040

BETA  
 .000  
 .000  
 .000  
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (D-400A) IAB8 C1 F1 M1  
 (L-4007) IAB8 C1 F1 M2(1)+FILLET  
 (D-4009) IAB8 C1 F1 M3 M4  
 (D-4011) IAB8 C1 F1 M1

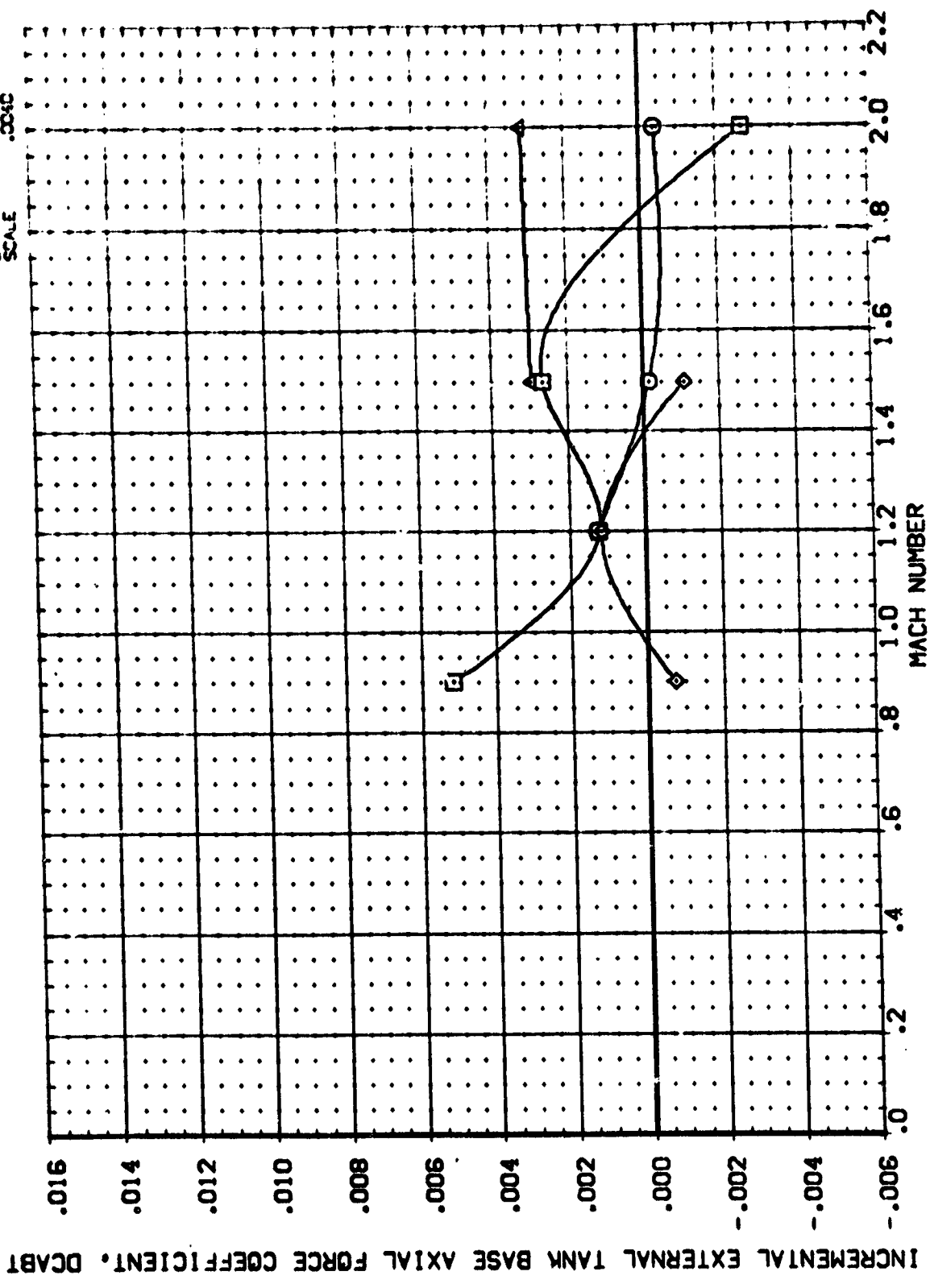


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS  
 B)ALPHA = -2.00



DATA SET SYMBOL CONFIGURATION DESCRIPTION

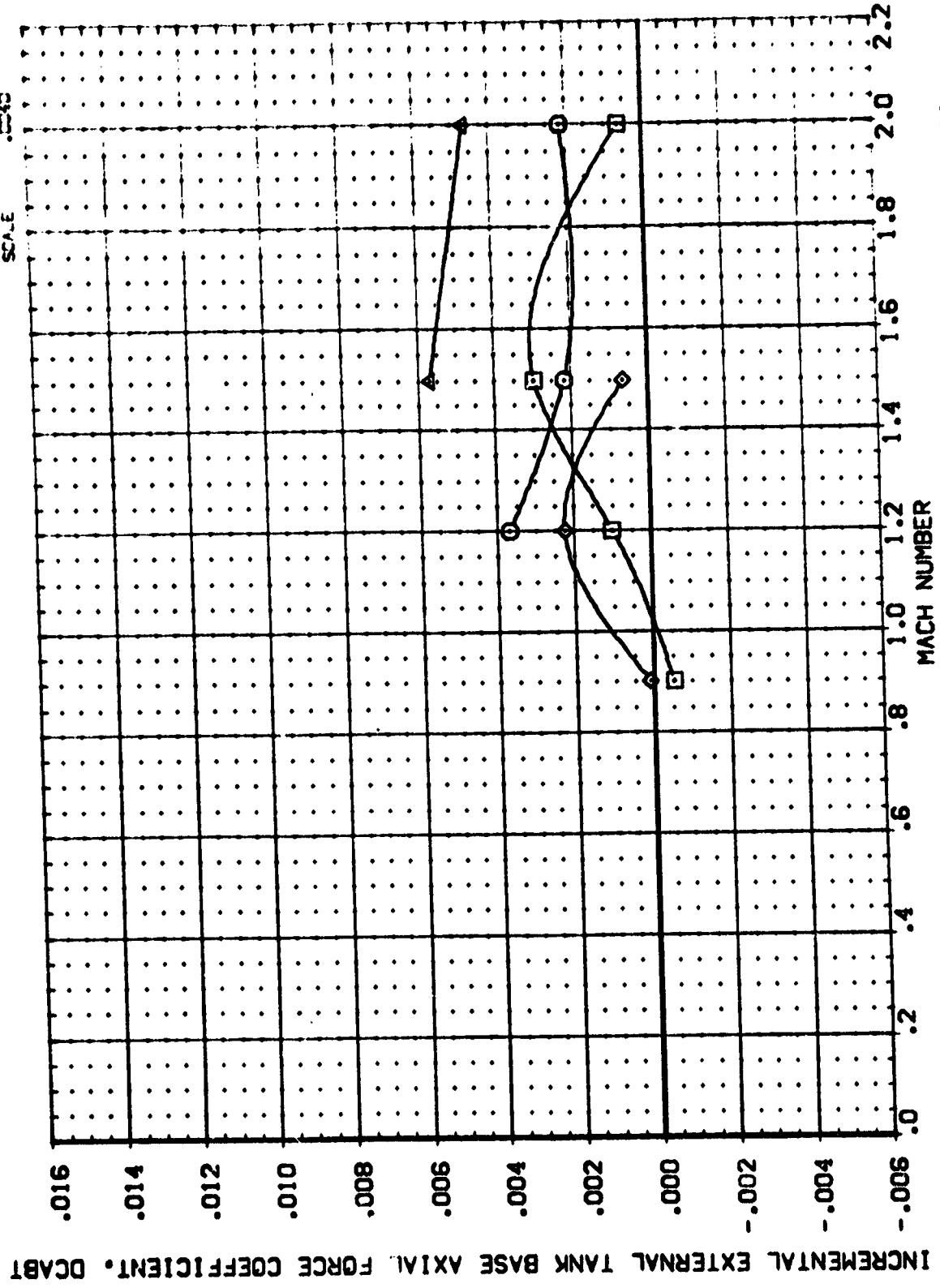
[D4004]	[A88 C1 F1 M1]
[D4007]	[A88 C1 F1 M2(1)]+FILLET
[D4009]	[A88 C1 F1 M3 M4]
[D4011]	[A88 C1 F1 M1]

BETA

.000
.000
.000
.000

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
REF	328.3000	IN.
BREF	328.3000	IN.
XMRD		
YMRD		
ZMRD		
SCALE	0.0010	



INCREMENTAL EXTERNAL TANK BASE AXIAL FORCE COEFFICIENT, DCABT

FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS  
 (C)ALPHA = .00 PAGE 56



REFERENCE INFORMATION  
 SREF 2680.0000  
 LREF 1378.0000  
 YREF 1378.0000  
 YMRP 1378.0000  
 ZMRP 1378.0000  
 SCALE .0010

BETA  
 .000  
 .000  
 .000  
 .000

DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 [DF4004] [A88 C1 F1 M1]  
 [DF4007] [A88 C1 F1 M2(1)]+FILLET  
 [DF4008] [A88 C1 F1 M3 M4]  
 [DF4011] [A88 C1 F1 M1]

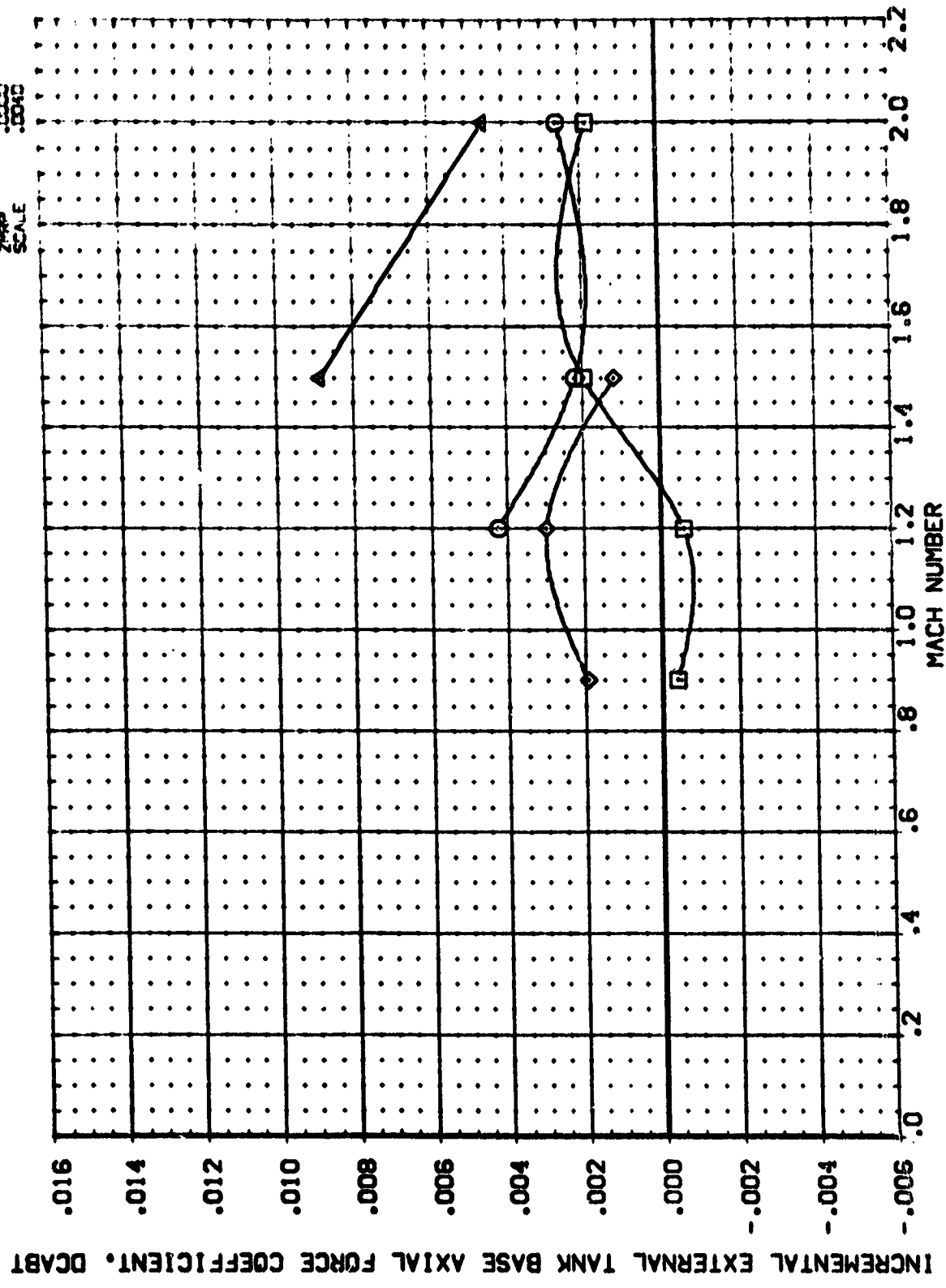


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS  
 (CALP-A = 2.00) PAGE 57

REFERENCE INFORMATION:  
 SREF 7690 0000 SQ.FT.  
 LREF 328 3000 IN.  
 BREF 328 3000 IN.  
 XREF 0000  
 YREF 0000  
 ZREF 0000  
 SCALE 0000

BETA  
 .000  
 .000  
 .000  
 .000

DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 [D4004] [AS8 C] [F] [M]  
 [D4007] [AS8 C] [F] [M] (1) + FILLET  
 [D4009] [AS8 C] [F] [M]  
 [D4011] [AS8 C] [F] [M]

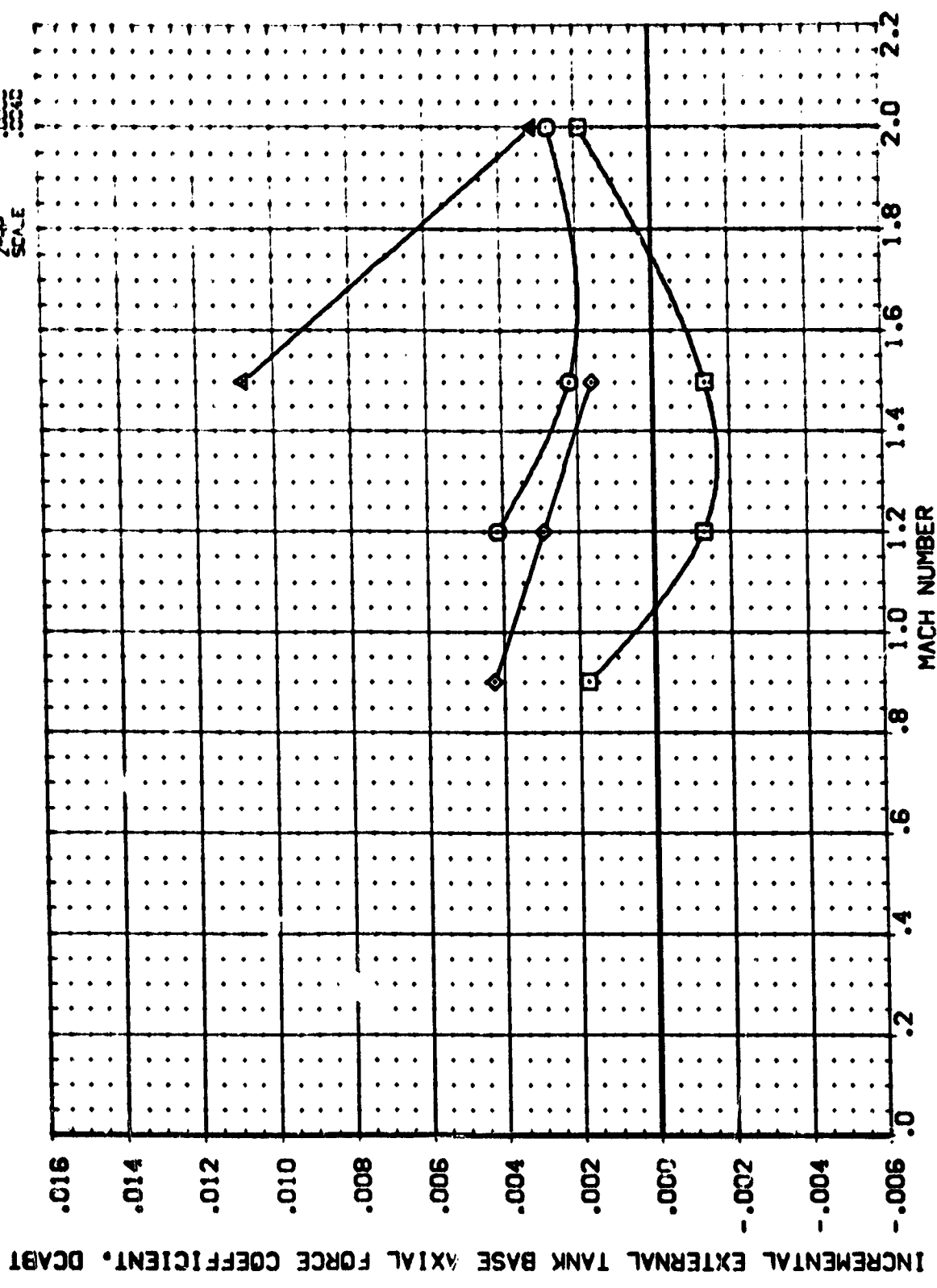


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

(E)ALPHA = 4.00



REFERENCE INFORMATION  
 SREF 2880.0000 SQ.FT.  
 LREF 1328.3000 IN.  
 XMRP 1328.3000 IN.  
 YMRP .0000  
 ZMRP .0000  
 SCALE .0040

BETA  
 .000  
 .000  
 .000

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 [DF4004] [A88 C1 F1 M1]  
 [DF4007] [A88 C1 F1 M2(1)+FILLET]  
 [DF4008] [A88 C1 F1 M3 M4]  
 [DF4011] [A88 C1 F1 M1]

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

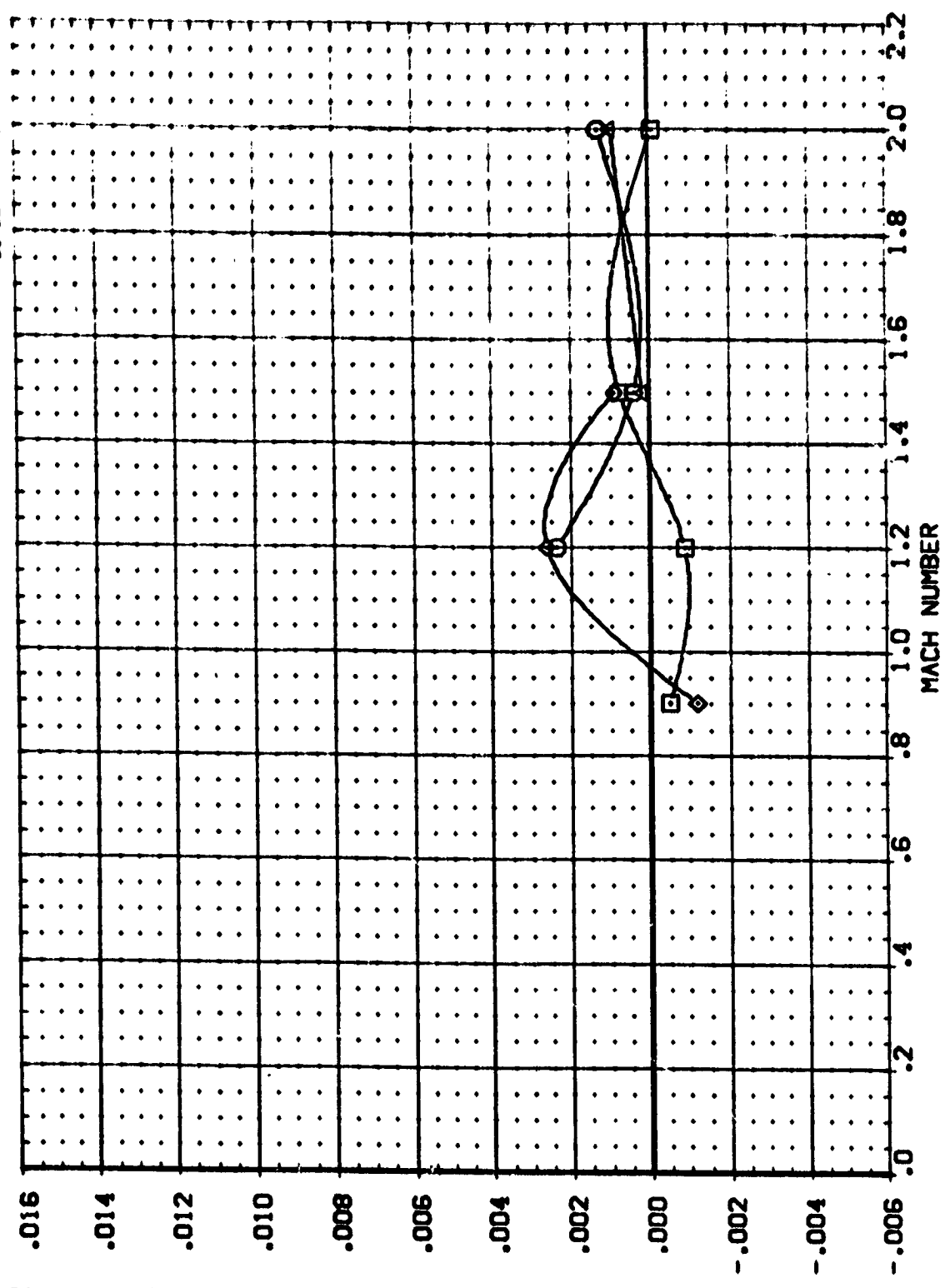


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS  
 (A)ALPHA = -4.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[D-4004]	[ASB C] [F] [M]
[D-4007]	[ASB C] [F] [M] [F] [M]
[D-4009]	[ASB C] [F] [M] [F] [M]
[D-4011]	[ASB C] [F] [M]

BETA

.000
.000
.000
.000

REFERENCE INFORMATION

SREF	2890	.0000	SQ.F.
REF	3078	.0000	
EREF	1328	.0000	
XMRP		.0000	
YMRP		.0000	
ZMRP		.0000	
SCALE		.0000	

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

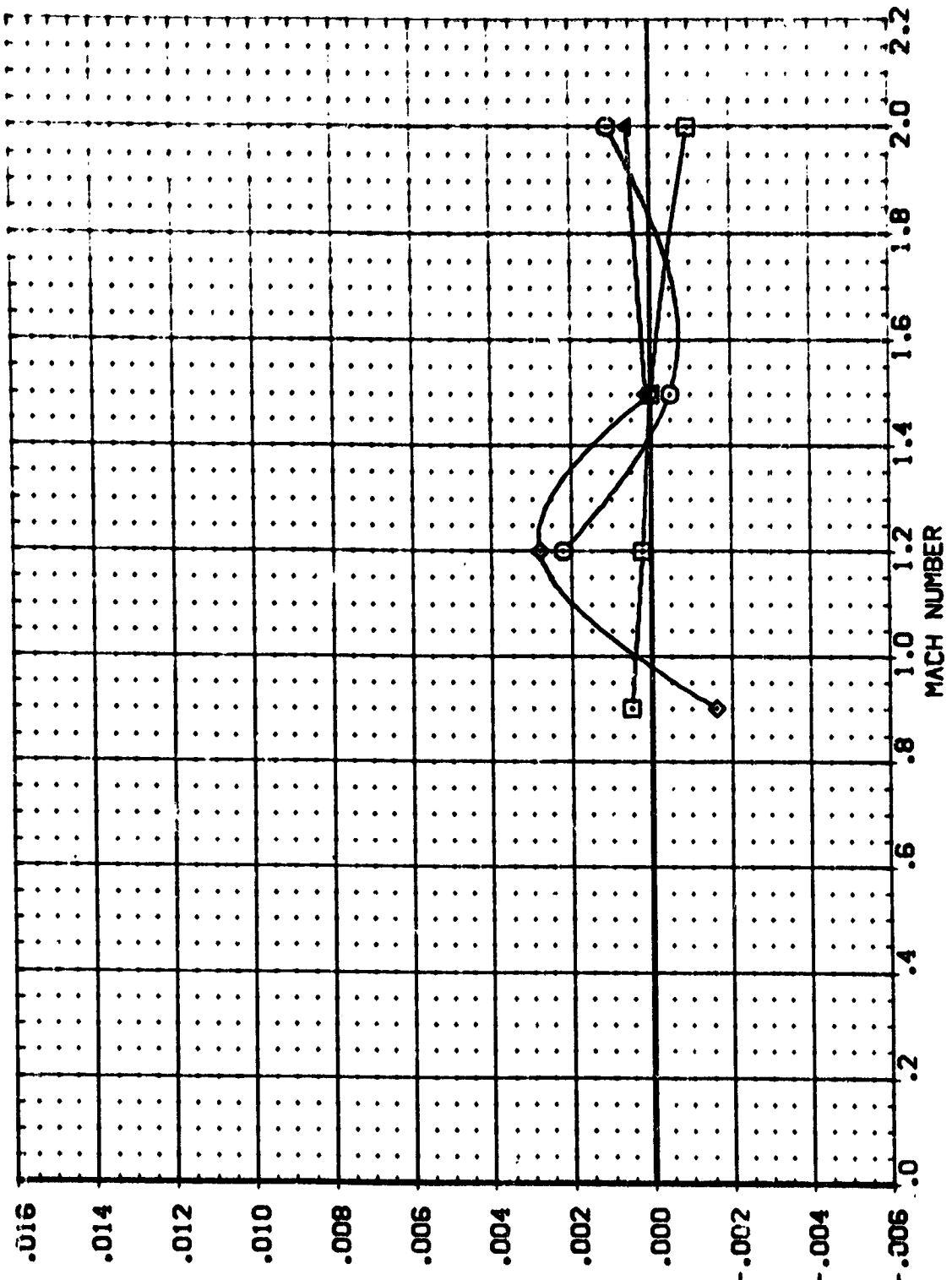


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

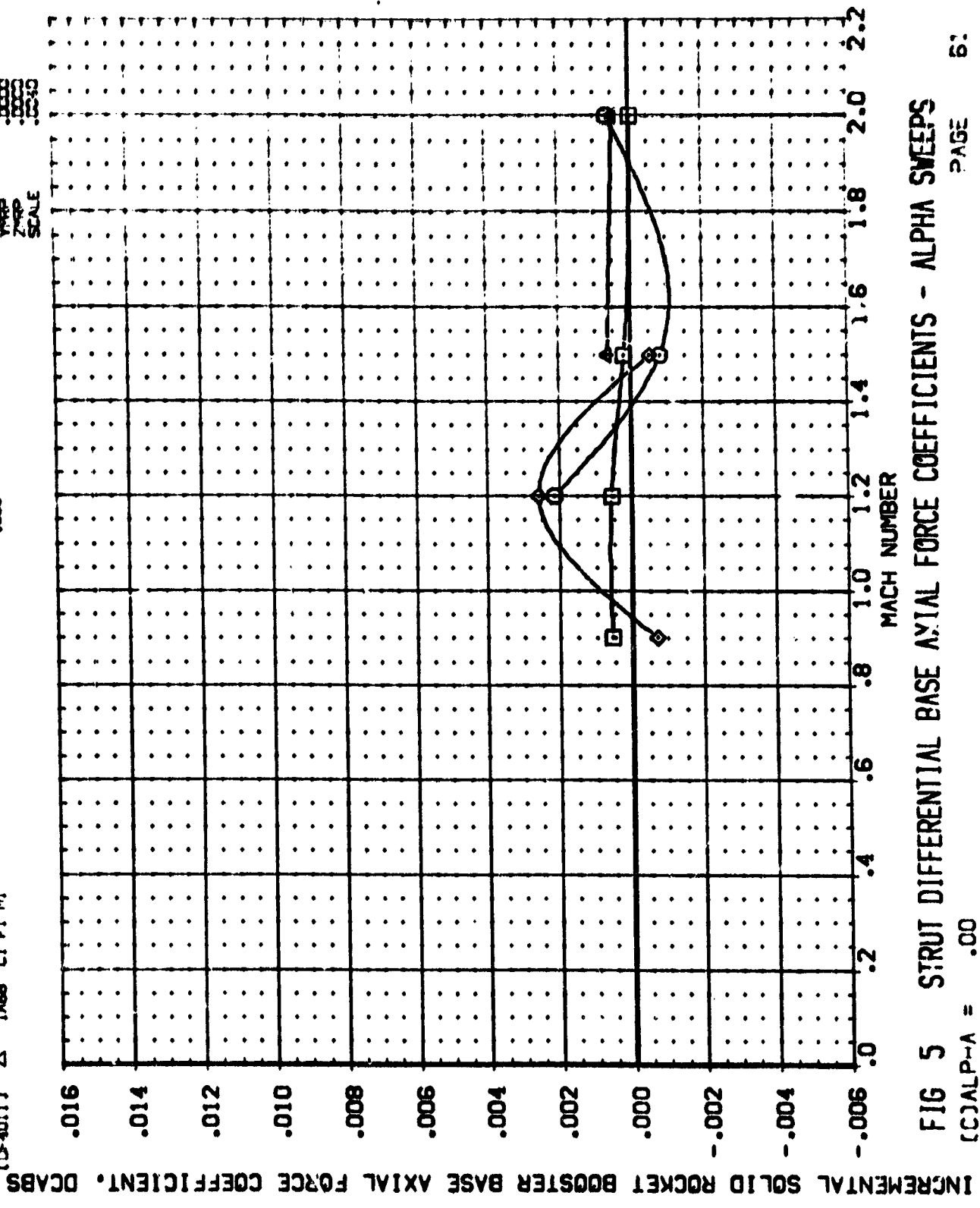
(B) ALPHA = -2.00



REFERENCE INFORMATION  
 SREF 2090.0000 SQ.FT.  
 LREF 1378.3000 IN.  
 BREF 1378.3000 IN.  
 XTRP 0.0000  
 YTRP 0.0000  
 ZTRP 0.0000  
 SCALE 0.0000

BETA  
 .000  
 .000  
 .000

DATA SET SYMB. CONFIGURATION DESCRIPTION  
 (CF4004) IAB8 C1 F1 M1  
 (CF4007) IAB8 C1 F1 M2(1)+FILLET  
 (CF4008) IAB8 C1 F1 M3 M4  
 (CF4011) IAB8 C1 F1 M1



INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS  
 FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS  
 (C)ALPHA = .00 PAGE 6:

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (D-4004) IASB C1 F1 M1  
 (D-4007) IASB C1 F1 PZ(1)+FILLET  
 (D-4008) IASB C1 F1 M3 M4  
 (D-4011) IASB C1 F1 M1

BETA  
 .000  
 .000  
 .000

REFERENCE INFORMATION  
 SREF 2600.0000 SQ.FT.  
 LREF 1328.0000 IN.  
 XREF 1328.0000 IN.  
 YREF 1328.0000 IN.  
 ZREF 1328.0000 IN.  
 SCALE .0010

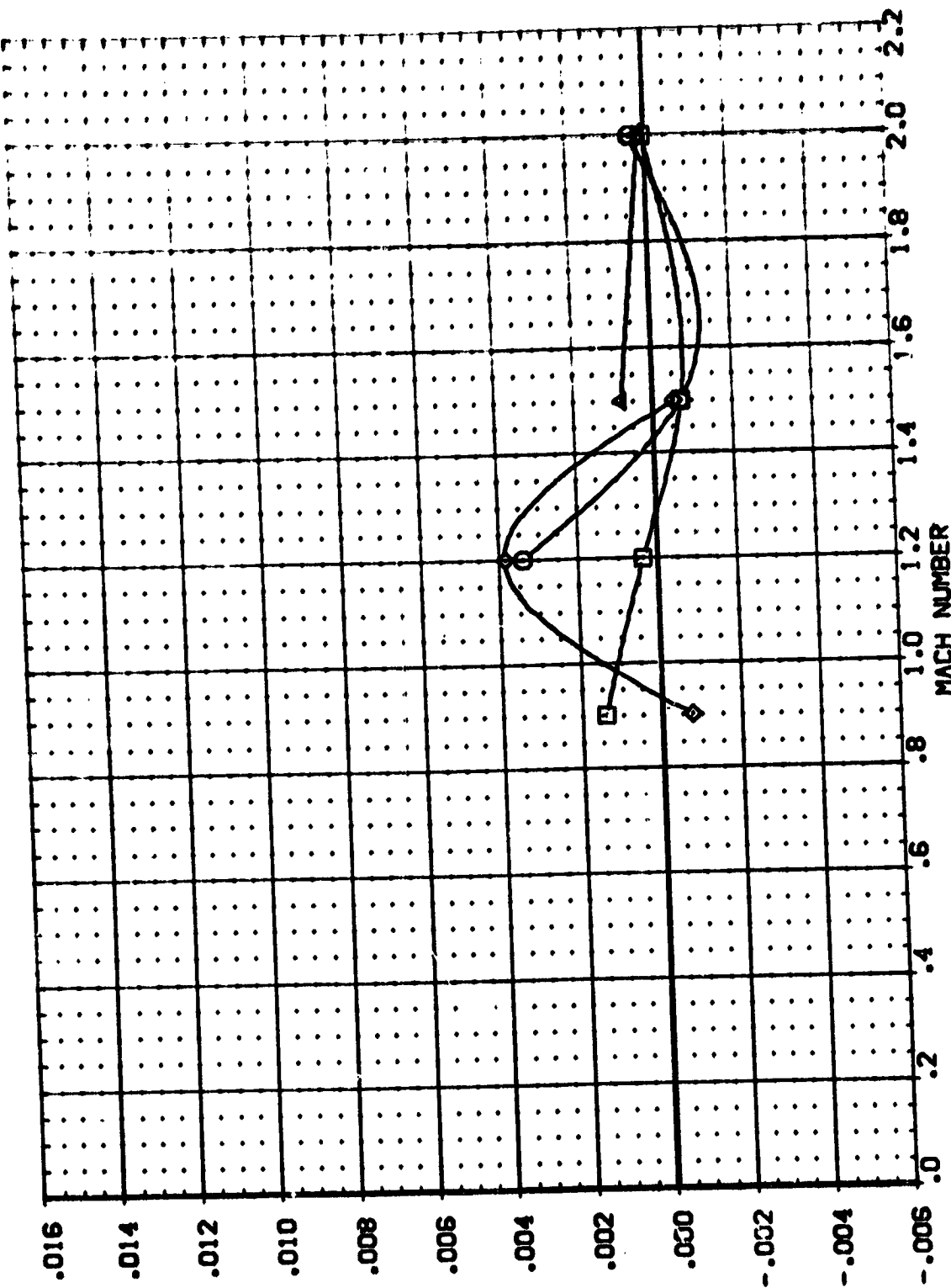


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

(D) ALPHA = 2.00





DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (S4001) IASB C1 F1 M1  
 (S4002) IASB C1 F1 M2(1)+FILLET  
 (S4003) IASB C1 F1 M3 M4  
 (S4011) IASB C1 F1 M1

BETA  
 .000  
 .000  
 .000

REFERENCE INFORMATION  
 SHEET 2000 0000 SQ. FT.  
 LINE 1000 0000 IN.  
 BREF 1000 0000 IN.  
 XPROP 1000 0000 IN.  
 YPROP 1000 0000 IN.  
 ZPROP 1000 0000 IN.  
 SCALE .0010

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

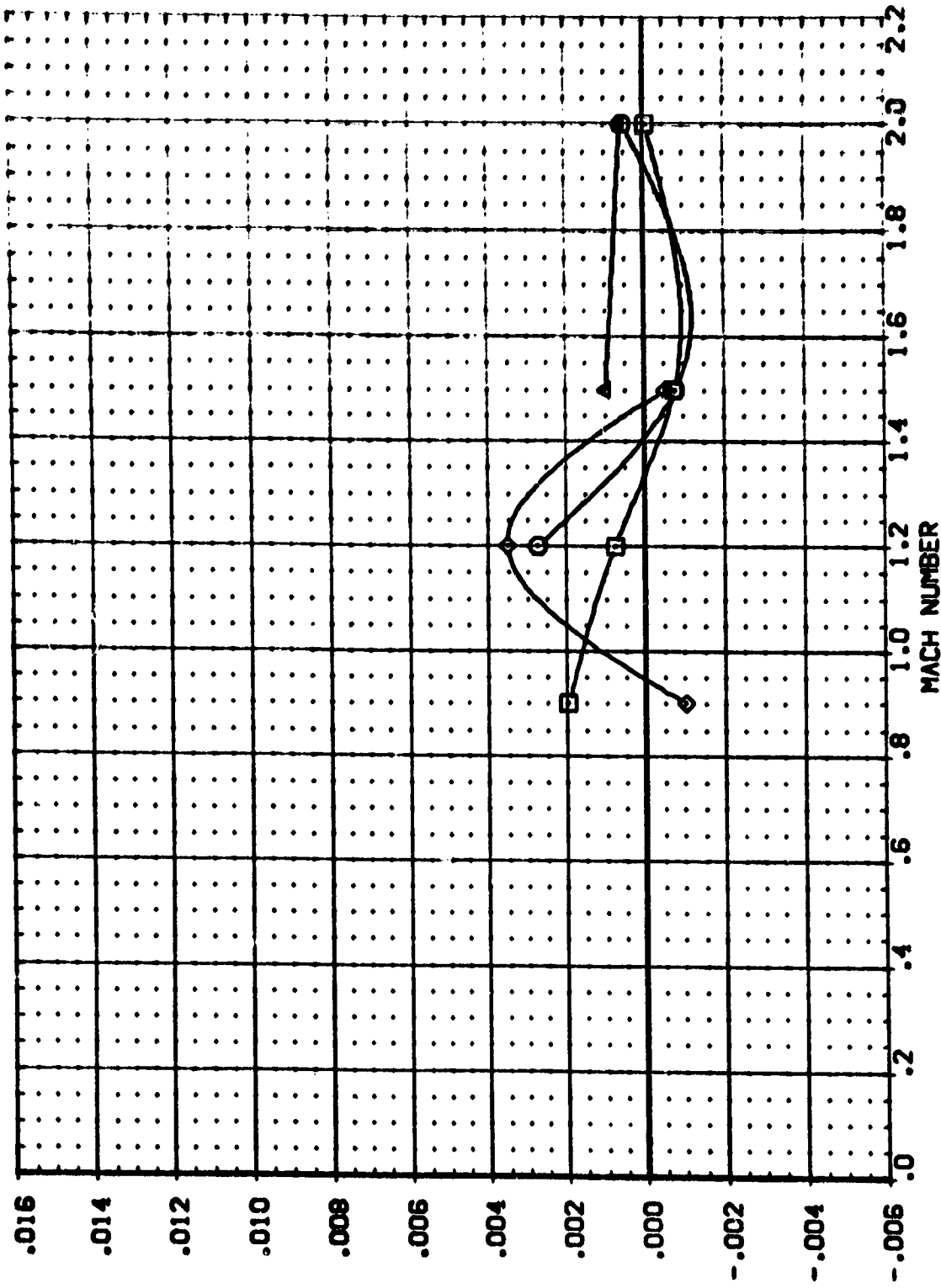


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

(E)ALPHA = 4.00

REFERENCE INFORMATION:  
 SREF 2500.0000 SQ.FT.  
 LREF 1328.3000 IN.  
 BREF 1328.3000 IN.  
 XPROP .0000  
 YPROP .0000  
 ZPROP .0000  
 SCALE .0010

ALPHA  
 .000  
 .000  
 .000

DATA SET SYMB. CONFIGURATION DESCRIPTION  
 (D-4005) IASB C1 F1 M1  
 (D-4008) IASB C1 F1 M2(1)+FILLET  
 (D-4010) IASB C1 F1 M3 M4

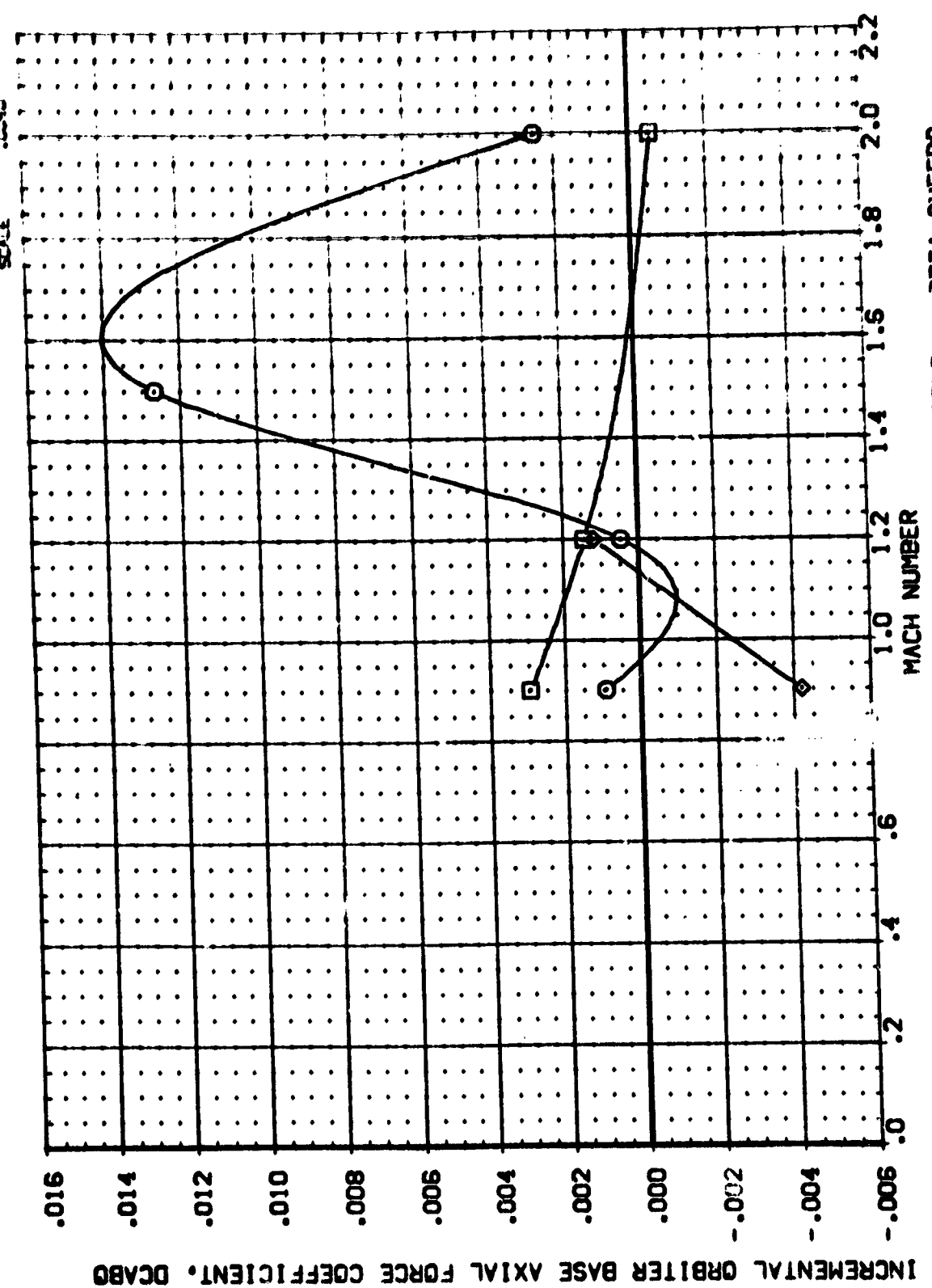


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS  
 (A)BETA = -4.00 PAGE 64



REFERENCE INFORMATION  
 SREF 2690.0000 SQ.FT.  
 LREF 1328.5000 IN.  
 BREF 1328.5000 IN.  
 XMRP .0000  
 YMRP .0000  
 ZMRP .0000  
 SCALE .0010

ALPHA  
 .000  
 .000  
 .000

DATA SET SYMB. CONFIGURATION DESCRIPTION  
 (DF4005) 1A58 C1 F1 M1  
 (DF4008) 1A58 C1 F1 M2(1)+FILLET  
 (DF4010) 1A58 C1 F1 M3 M4

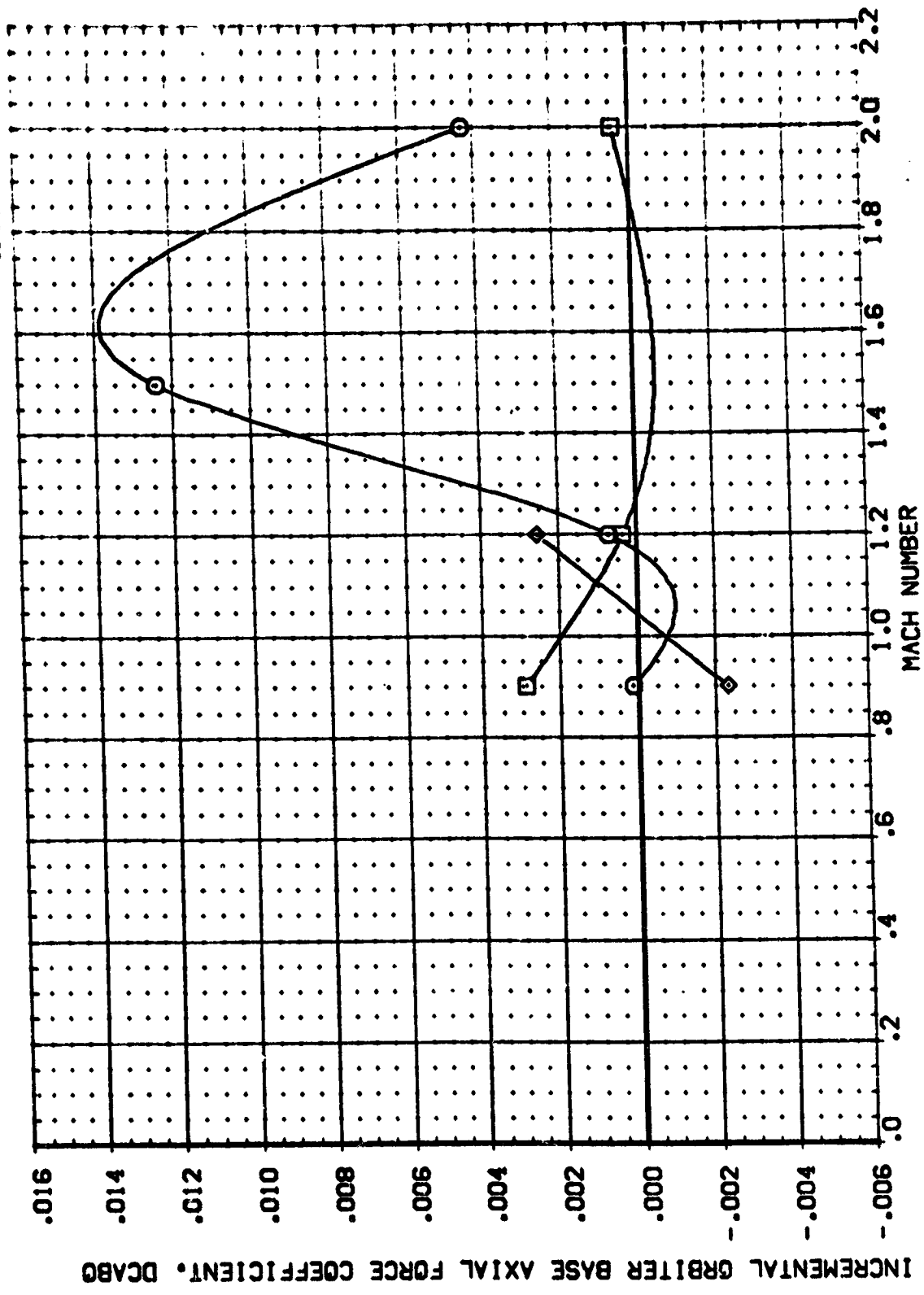


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(B)BETA = -2.00

REFERENCE INFORMATION  
 SREF 2690.0000 SQ.FT.  
 LREF 1378.3000 IN.  
 BREF 1328.3000 IN.  
 XMRP .0000  
 YMRP .0000  
 ZMRP .0000  
 SCALE .0040

ALPHA  
 .000  
 .000  
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (D'4005) 1A88 C1 F1 M1  
 (D'4006) 1A88 C1 F1 M2(1)+FILLET  
 (D'4010) 1A88 C1 F1 M3 M4

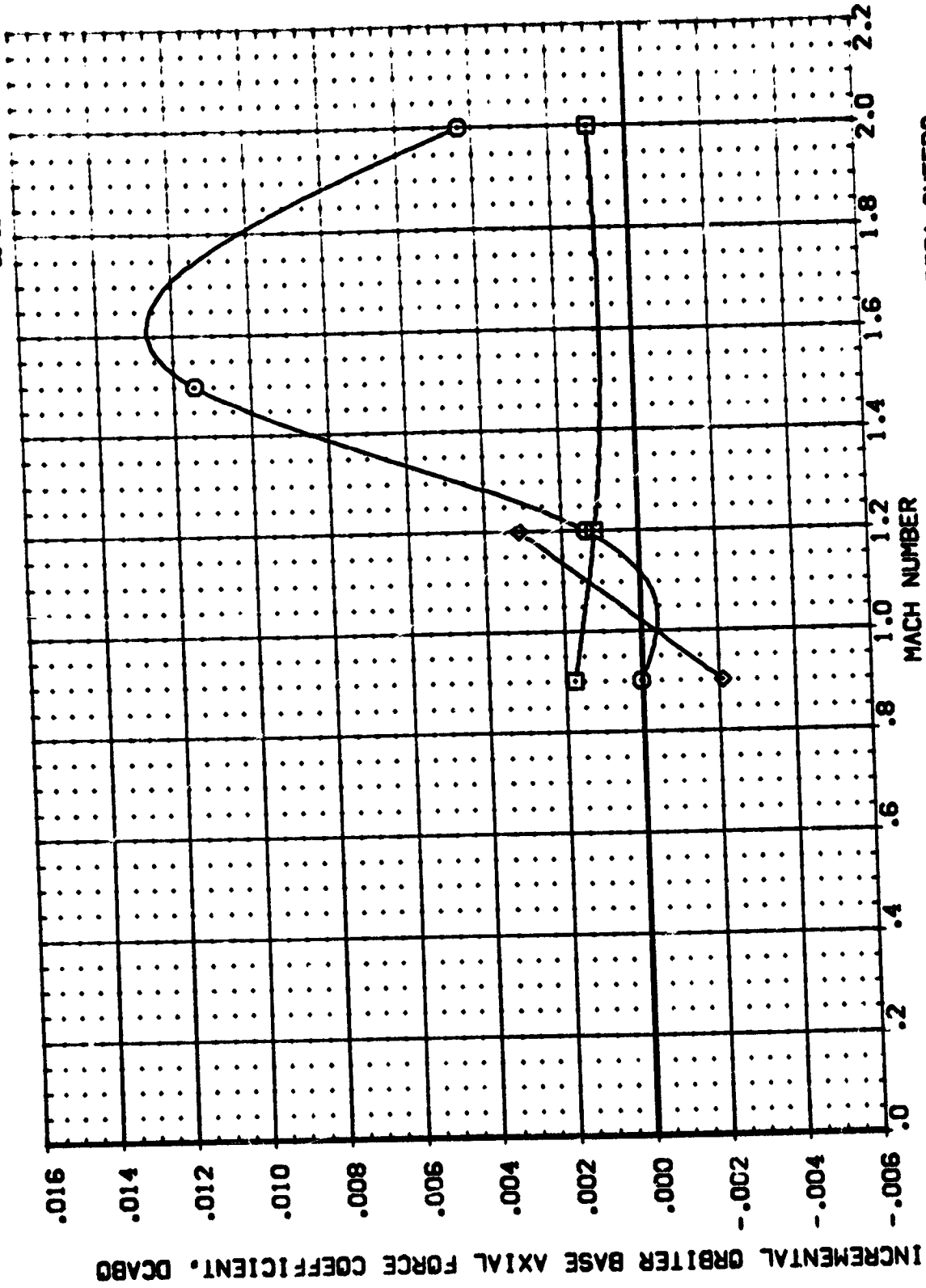


FIG 6 STRUJ DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS  
 (C)BETA = .00



REFERENCE INFORMATION  
 SREF 2680.0000 SQ.FT.  
 LREF 1328.3000 IN.  
 BREF 1328.3000 IN.  
 XMRP .0000  
 YMRP .0000  
 ZMRP .0000  
 SCALE .0010

ALPHA  
 .000  
 .000  
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (D'4005) 1AG8 C1 F1 M1  
 (D'4008) 1AG8 C1 F1 M2(1)+FILLET  
 (D'4010) 1AG8 C1 F1 M3 M4

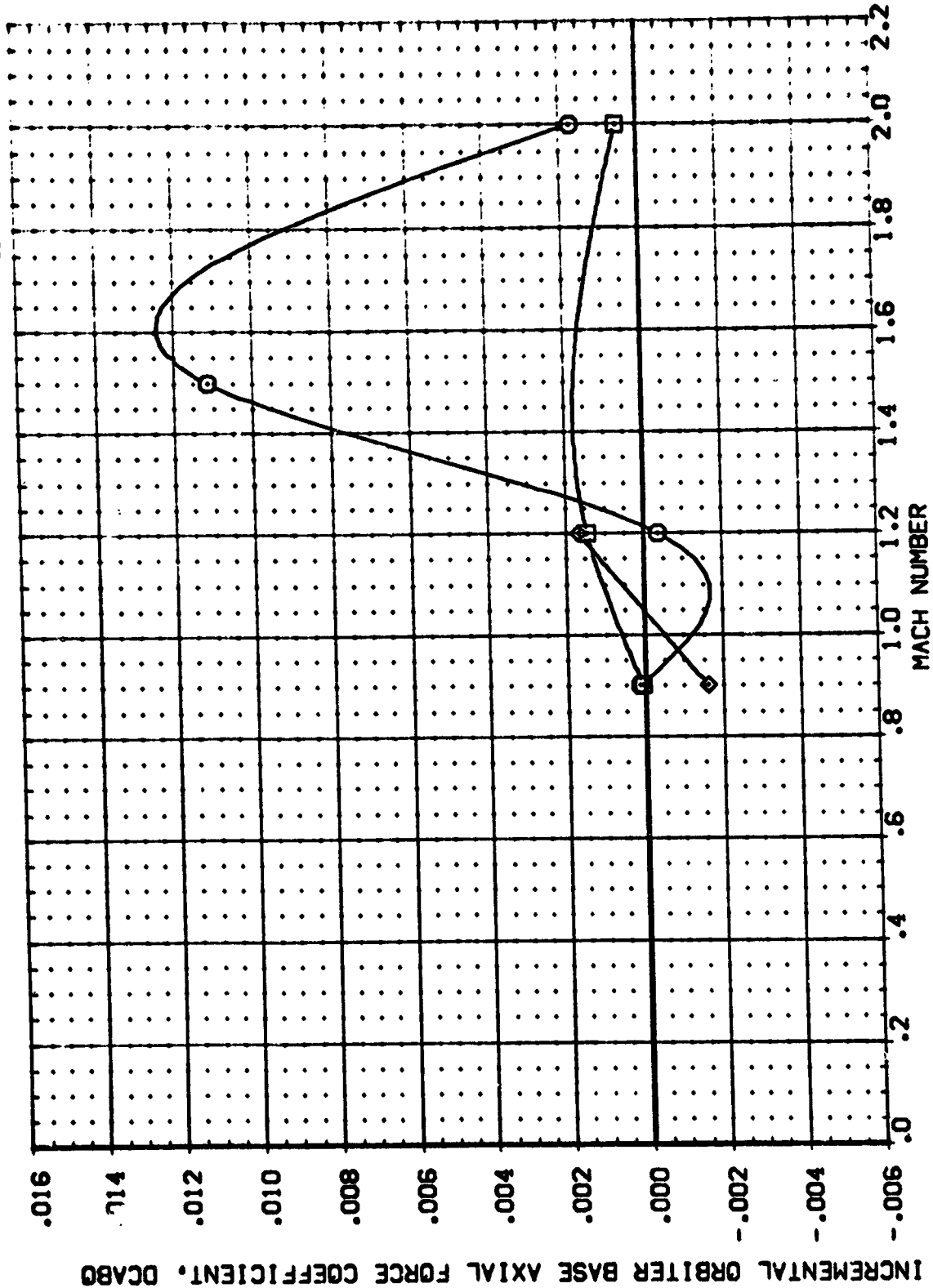


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS  
 (D)BETA = 2.00

DATA SET SYMBOL: [A88 C] F1 M1  
 [D-4005] [A88 C] F1 M2(1)+FILLET  
 [D-4006] [A88 C] F1 M3 M4  
 [D-4010]

ALPHA  
 .000  
 .000  
 .000

REFERENCE INFORMATION:  
 SREF: 7680.0000 SQ.FT.  
 LREF: 328.3000 IN.  
 BREF: 328.3000 IN.  
 XREF: .0000  
 YREF: .0000  
 ZREF: .0000  
 SCALE: .0010

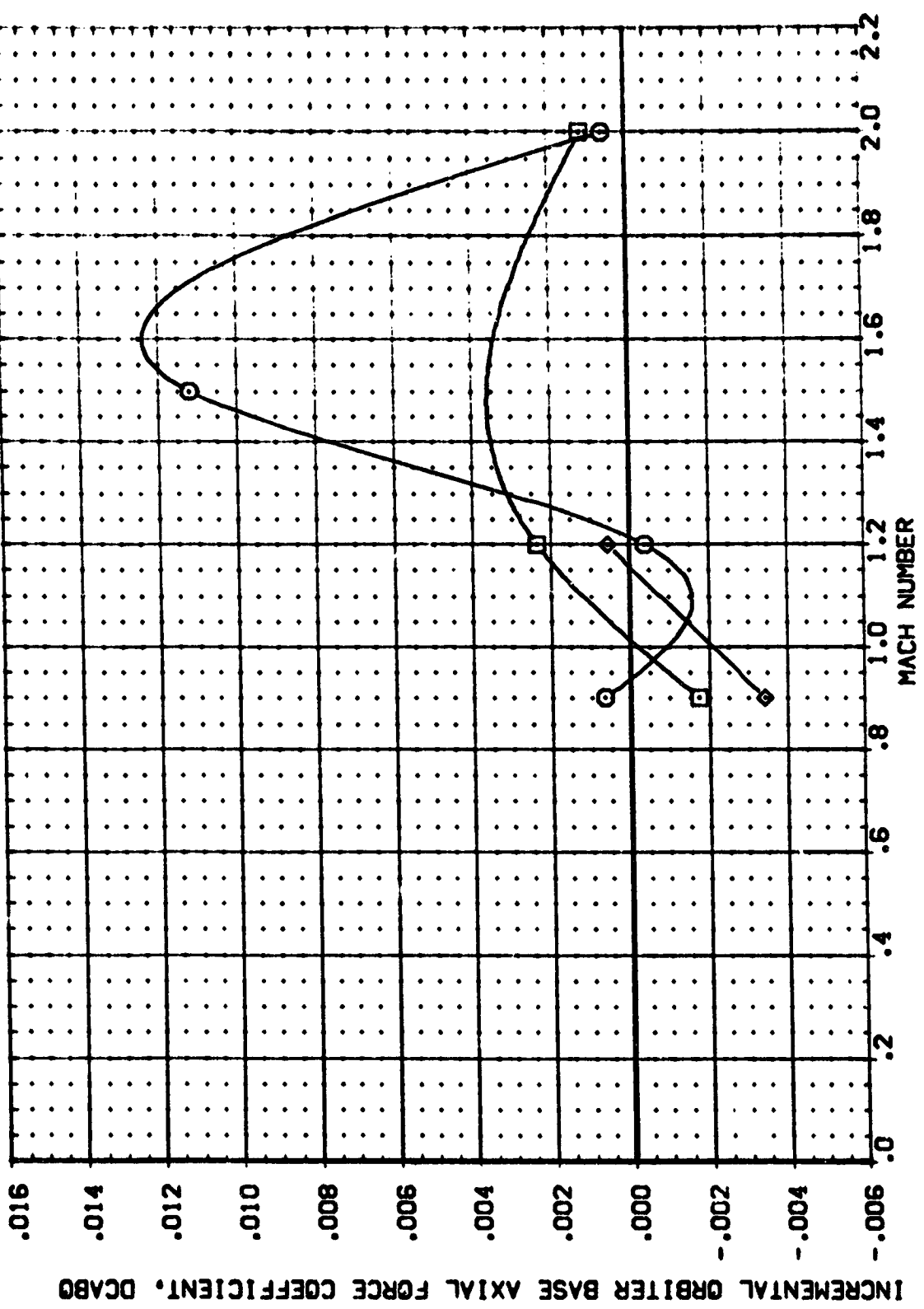


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(E)BETA = 4.00



DATA SET SYMBOL. CONFIGURATION DESCRIPTION  
 [OF4005] [A88 C1 F1 M1]  
 [OF4008] [A88 C1 F1 M2(1)-FILLET]  
 [OF4010] [A88 C1 F1 M3 M4]

ALPHA  
 .000  
 .000  
 .000

REFERENCE INFORMATION  
 SREF 2690 .0000 SC.F.  
 LREF 1328 .0000 IN.  
 BRREF 1328 .0000 IN.  
 YPROP .0000  
 ZPROP .0000  
 SCALE .0040

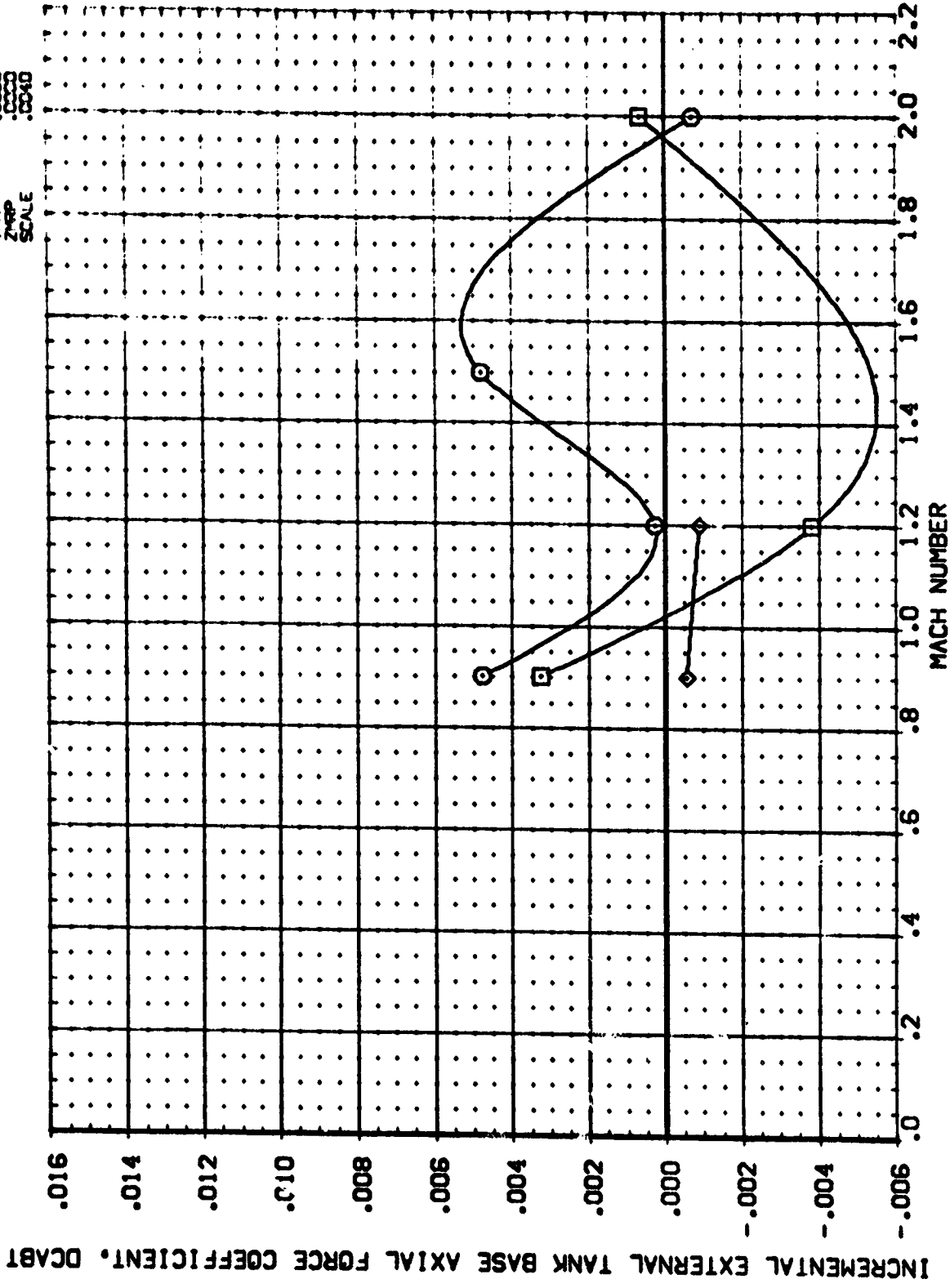


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(A)BETA = -4.00

REFERENCE INFORMATION  
 SREF 7680  
 LREF 1378  
 XREF 1378  
 XMRP  
 YMRP  
 ZMRP  
 SCALE

ALPHA  
 .000  
 .000  
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (DF4005) [A88 C1 F1 M1]  
 (DF4008) [A88 C1 F1 M2(1)+FILLET]  
 (DF4010) [A88 C1 F1 M3 M4]

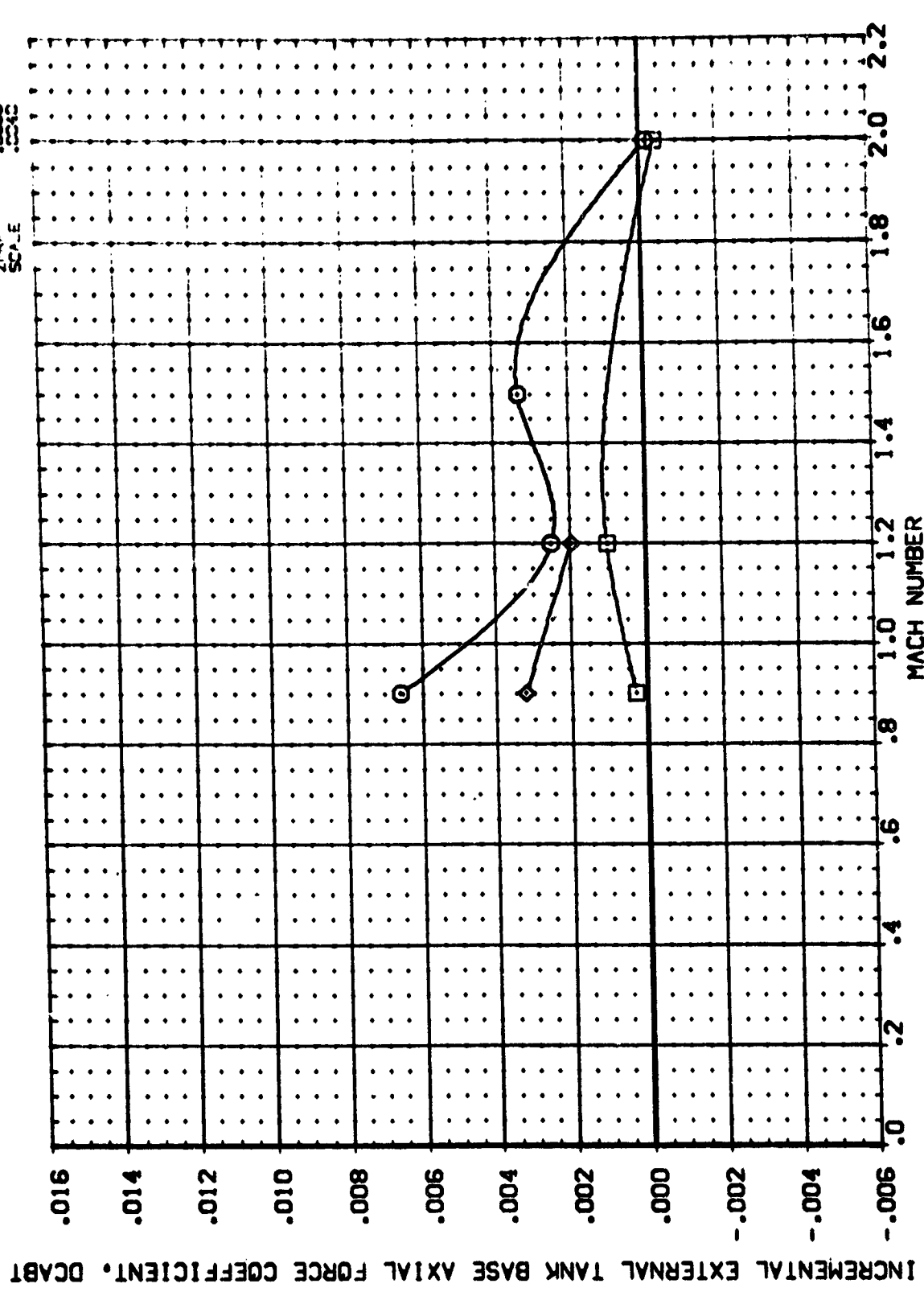


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS  
 (B)BETA = -2.00





REFERENCE INFORMATION:  
 SREF 2650.0000  
 XREF 378.0000  
 YREF 378.0000  
 XGRP 1  
 YGRP 1  
 SCALE 10000

ALPHA  
 .000  
 .000  
 .000

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (F4005) □ (A68 C1 F1 M)  
 (F4008) ◇ (A68 C1 F1 M2(1))+FILLET  
 (F4010) ◇ (A68 C1 F1 M3 M4)

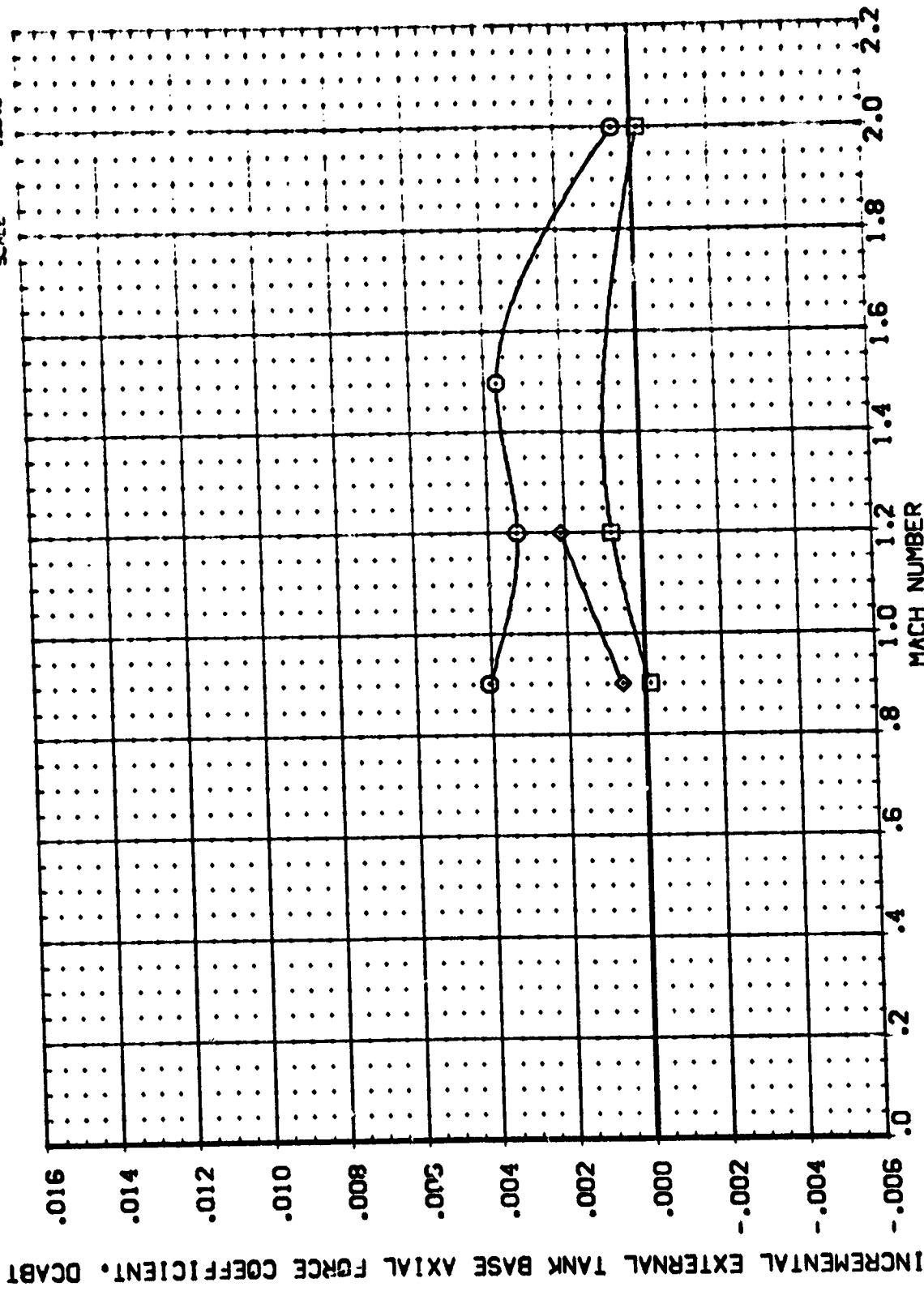


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(C)BETA = .00

REFERENCE INFORMATION  
 SPEC 788  
 DREF 328  
 BREF 328  
 XPROP  
 YPROP  
 ZPROP  
 SCALE

ALPHA  
 .000  
 .000  
 .000

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 :S4005} Q :A88 C1 F1 M1  
 :S4008} O :A88 C1 F1 M2(1)+FILLET  
 :S4010} O :A88 C1 F1 M3 M4

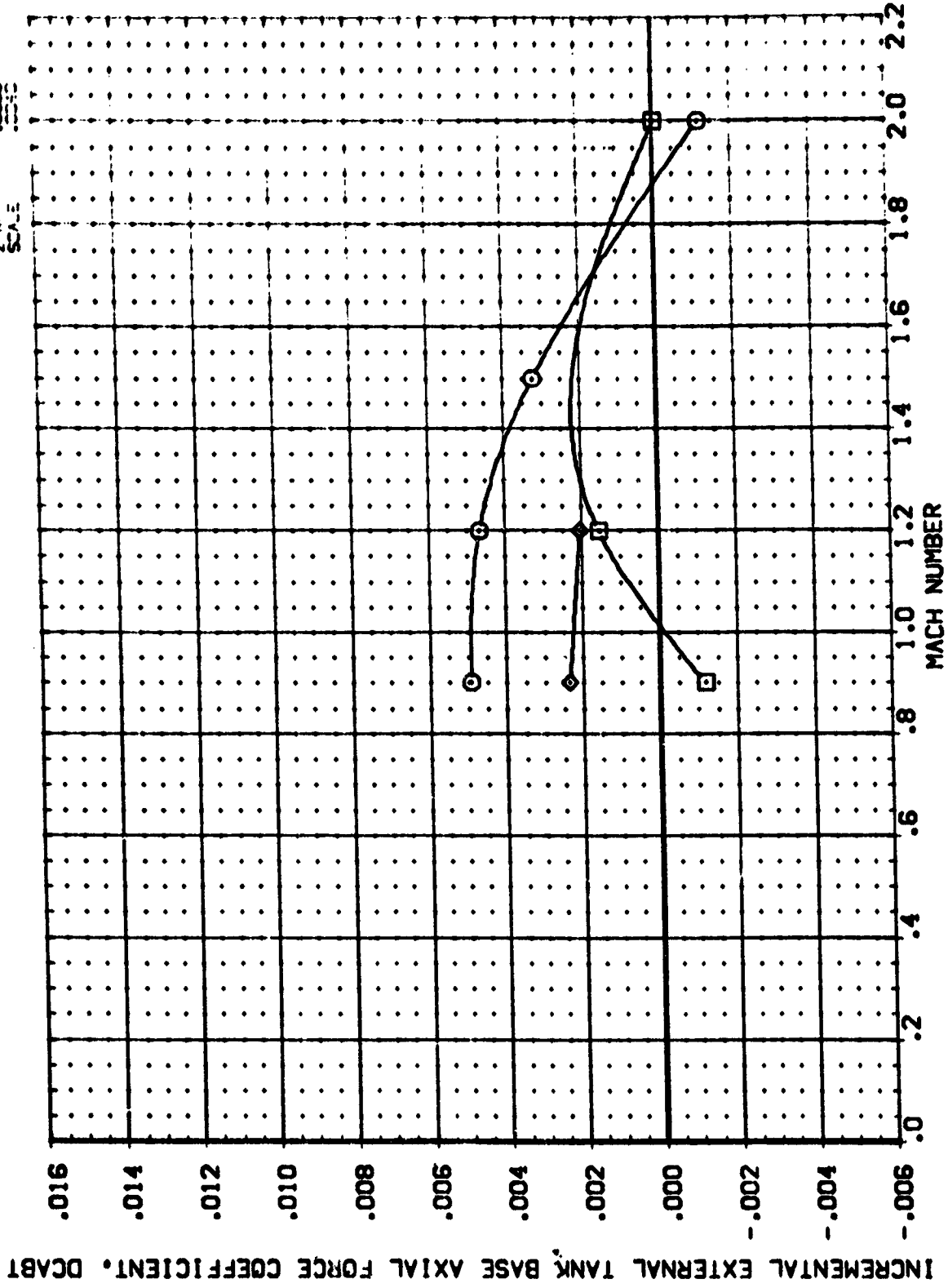


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

COJBETA = 2.00

PAGE

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REFERENCE INFORMATION  
 SREF 2680.0000 SQ.FT.  
 LREF 1328.0000 IN.  
 BREF 1328.0000 IN.  
 XWRP 0.0000  
 YWRP 0.0000  
 ZWRP 0.0000  
 SCALE 0.0010

ALPHA  
 .000  
 .000  
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [DF4005] [A68 C1 F1 M1]  
 [DF4009] [A68 C1 F1 M2(1)] FILLET  
 [DF4010] [A68 C1 F1 M3 M4]

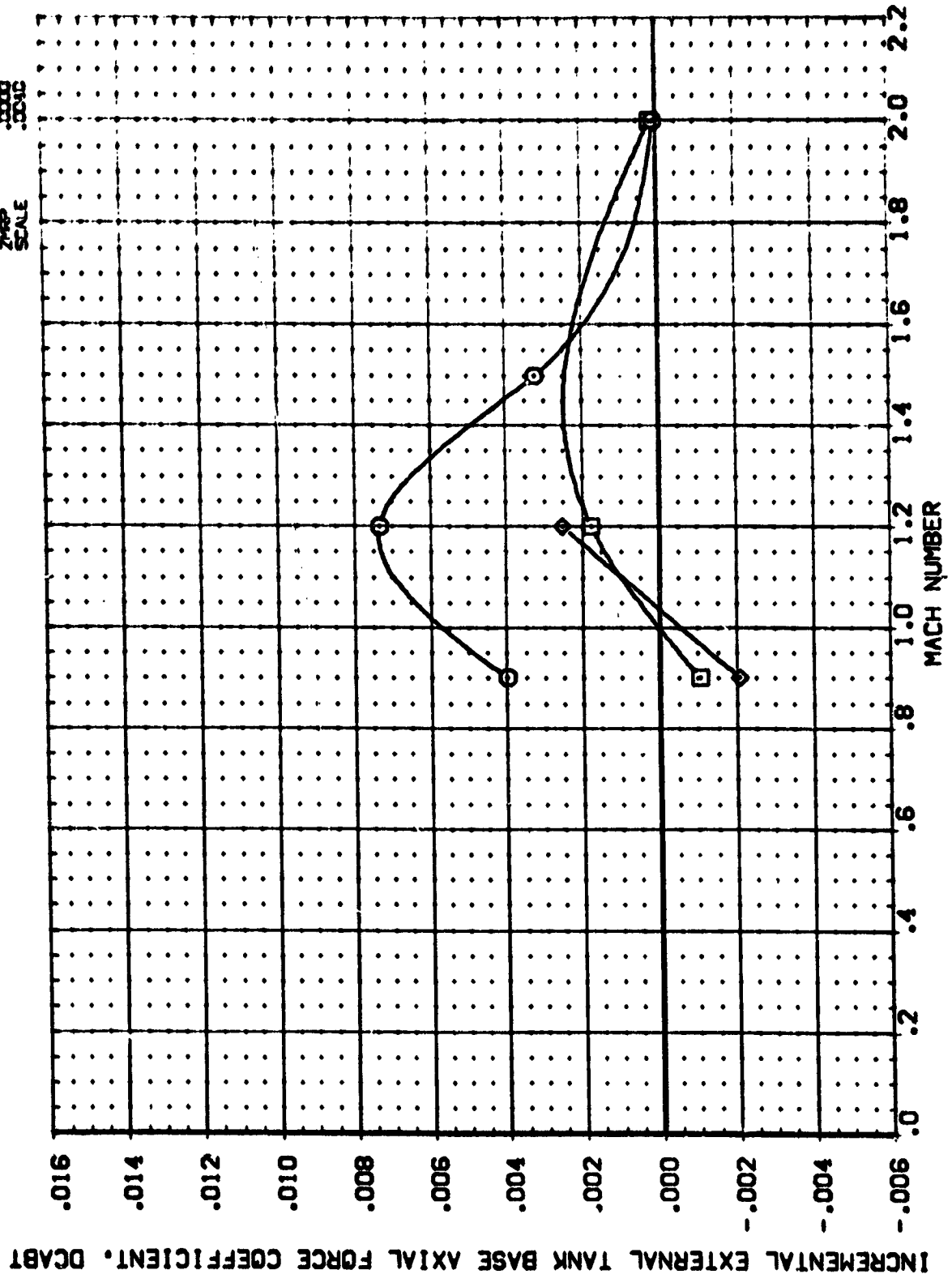


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

CEJBETA = 4.00

REFERENCE INFORMATION  
 SREF 2650.0000 SQ.FT.  
 LREF 1325.0000 IN.  
 BREF 1325.0000 IN.  
 X-PROP .0000  
 Y-PROP .0000  
 Z-PROP .0000  
 SCALE .0010

ALPHA  
 .000  
 .000  
 .000

DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 (DF4005) [ASB C] F1 M1  
 (DF4008) [ASB C] F1 P2(1)-FILLET  
 (DF4010) [ASB C] F1 P3 M

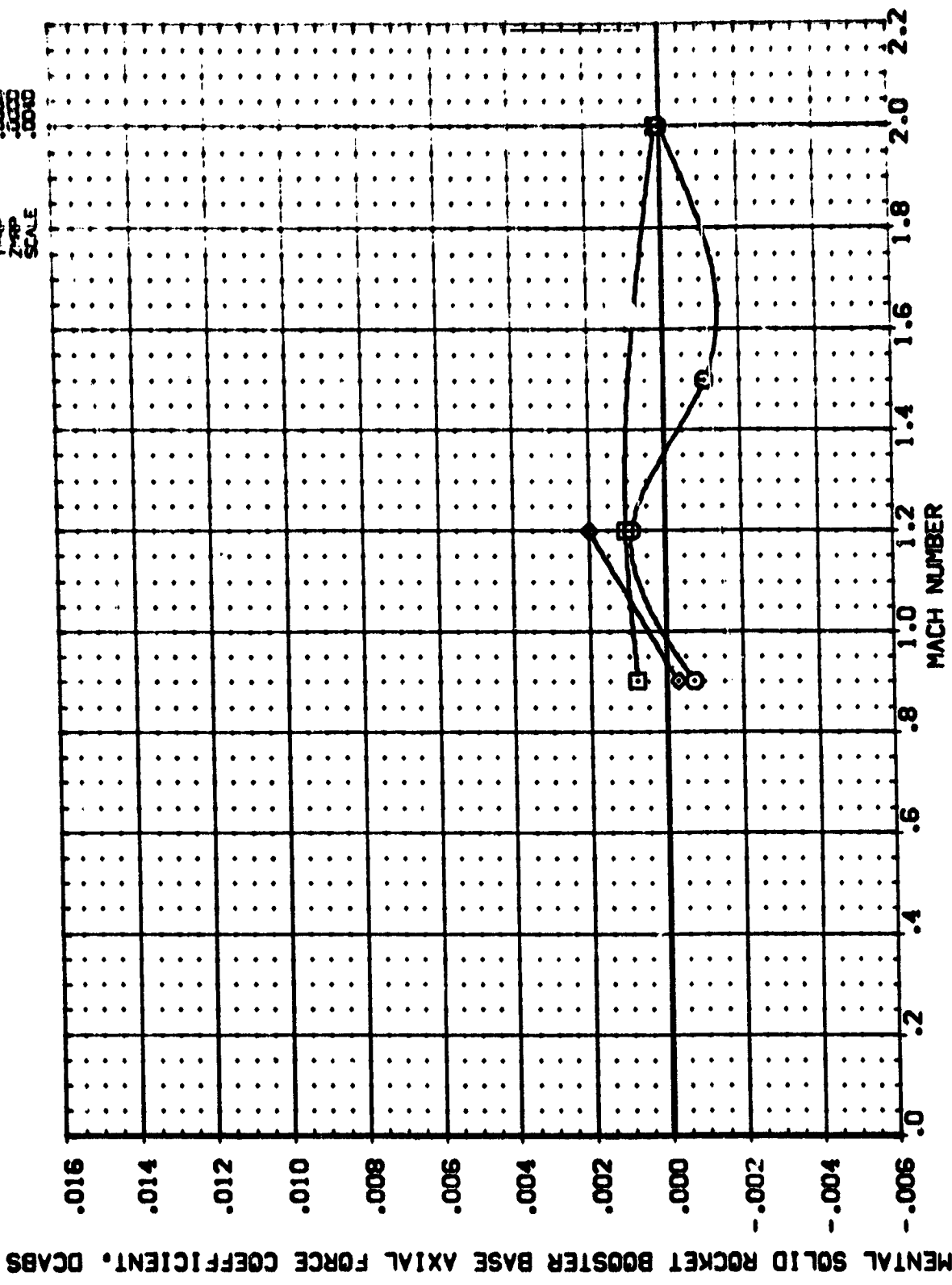


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(A) BETA = -4.00



REFERENCE INFORMATION  
 SREF 2690.0000 SQ.FT.  
 LREF 1328.3000 IN.  
 BRREF 1328.3000 IN.  
 XTRP .0000  
 YTRP .0000  
 ZTRP .0000  
 SCALE .0050

ALPHA  
 .000  
 .000  
 .000

DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 (DF4005) /ASB CI F1 M1  
 (DF4008) /ASB CI F1 M2(1)+FILLET  
 (DF4010) /ASB CI F1 M3 M4

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

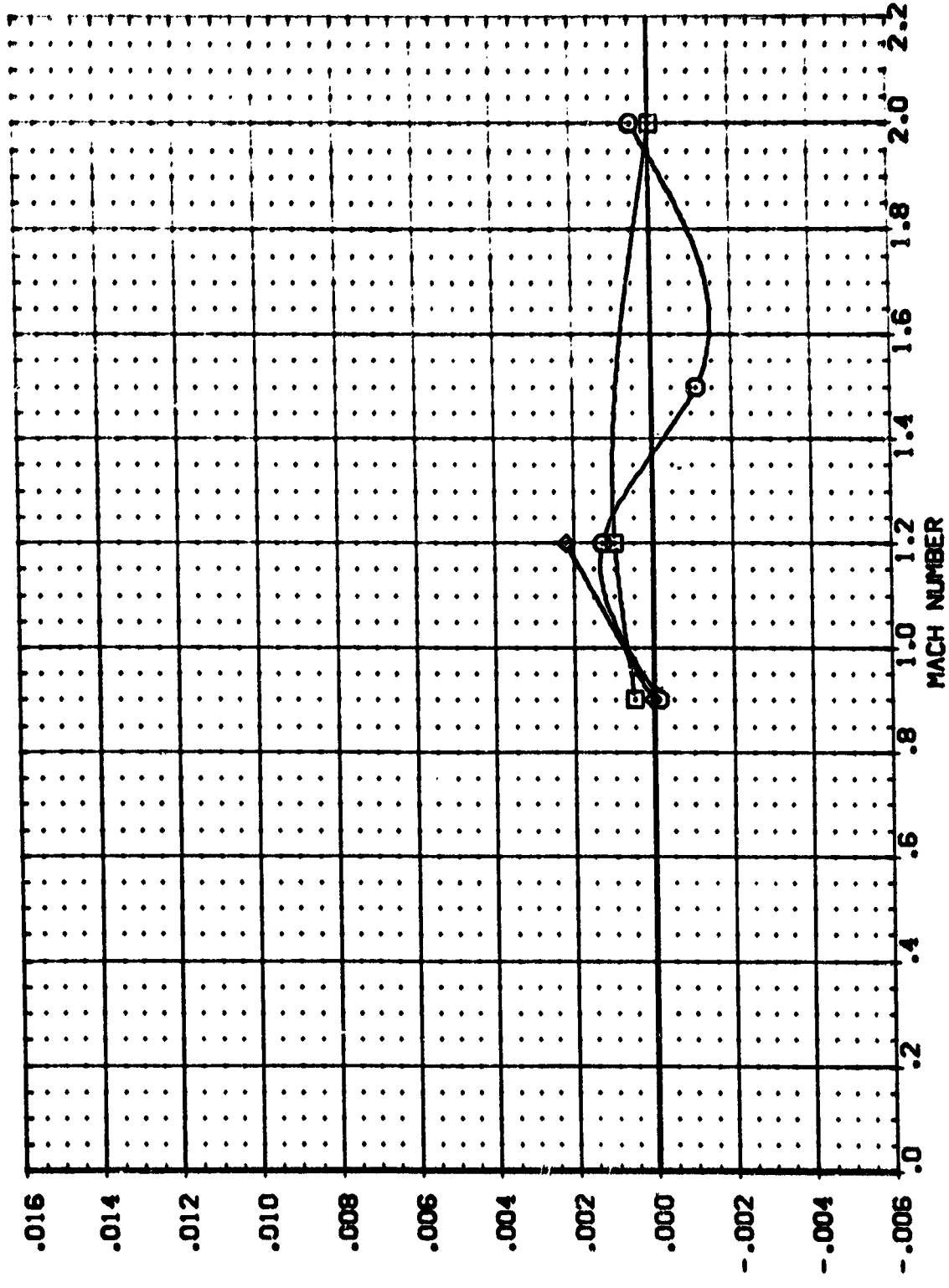


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS  
 (B)BETA = -2.00

DATA SET SYMOL. CONFIGURATION DESCRIPTION  
 (DF-4005) IASB C1 F1 M1  
 (DF-4006) IASB C1 F1 M2(1)+FILLET  
 (DF-4010) IASB C1 F1 M3 M4

ALPHA  
 .000  
 .000  
 .000

REFERENCE INFORMATION  
 SREF 2680.0000 SQ. FT.  
 LREF 1328.3000 IN.  
 BREF 1328.3000 IN.  
 XPRD 0.0000  
 YPRD 0.0000  
 ZPRD 0.0000  
 SCALE 0.0010

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

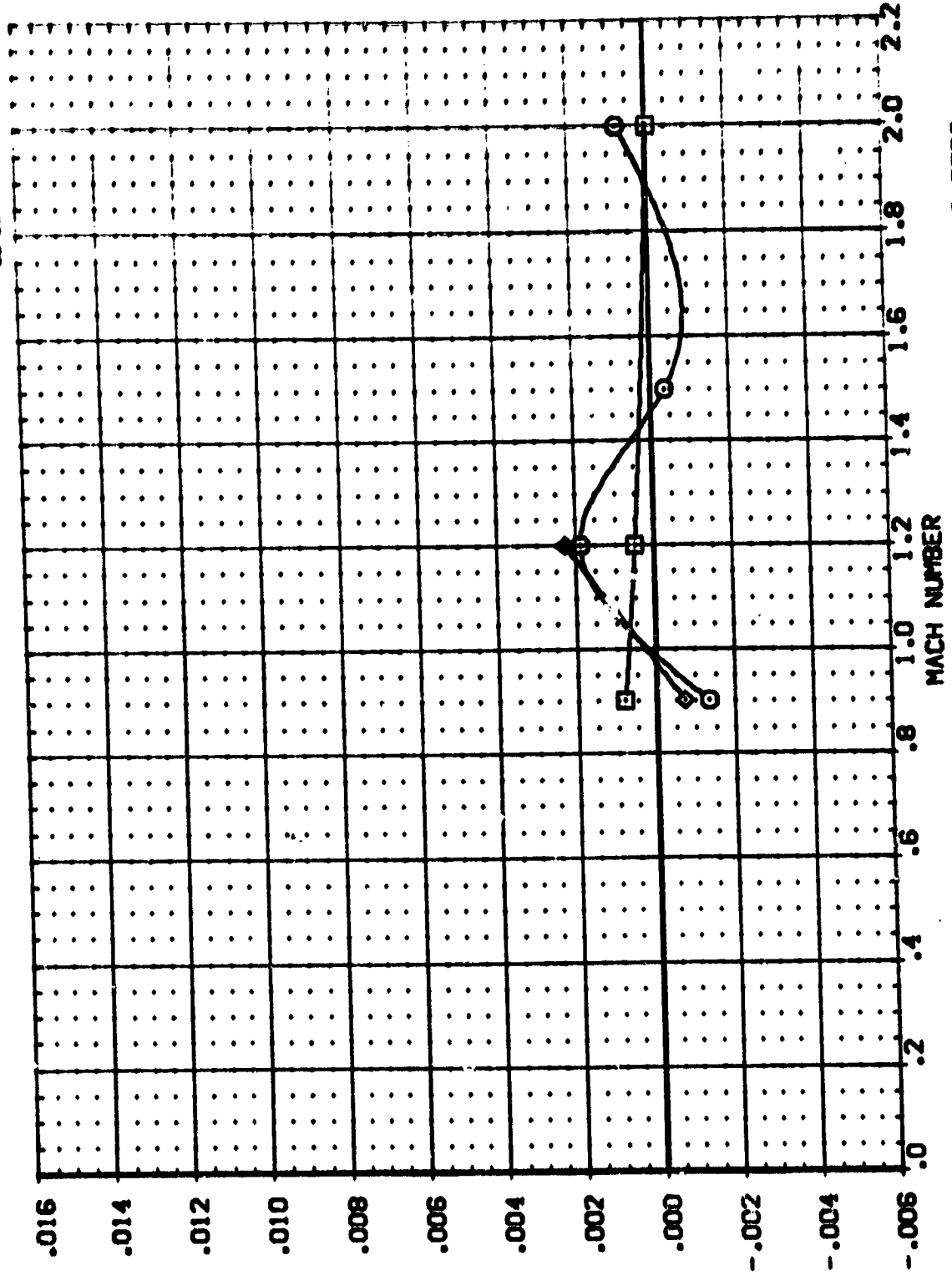


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(C)BETA = .00



REFERENCE INFORMATION:  
 SREF 2850.0000 SQ.FT.  
 LREF 1378.3000  
 BREF 1378.3000  
 YREF 2000  
 YPRP 2000  
 ZPRP 2000  
 SCALE 10000

ALPHA  
 .000  
 .000  
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [DF4005] [AGB C] [F] [M]  
 [DF4008] [AGB C] [F] [M2(1)]+FILLET  
 [DF4010] [AGB C] [F] [M3] PH

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

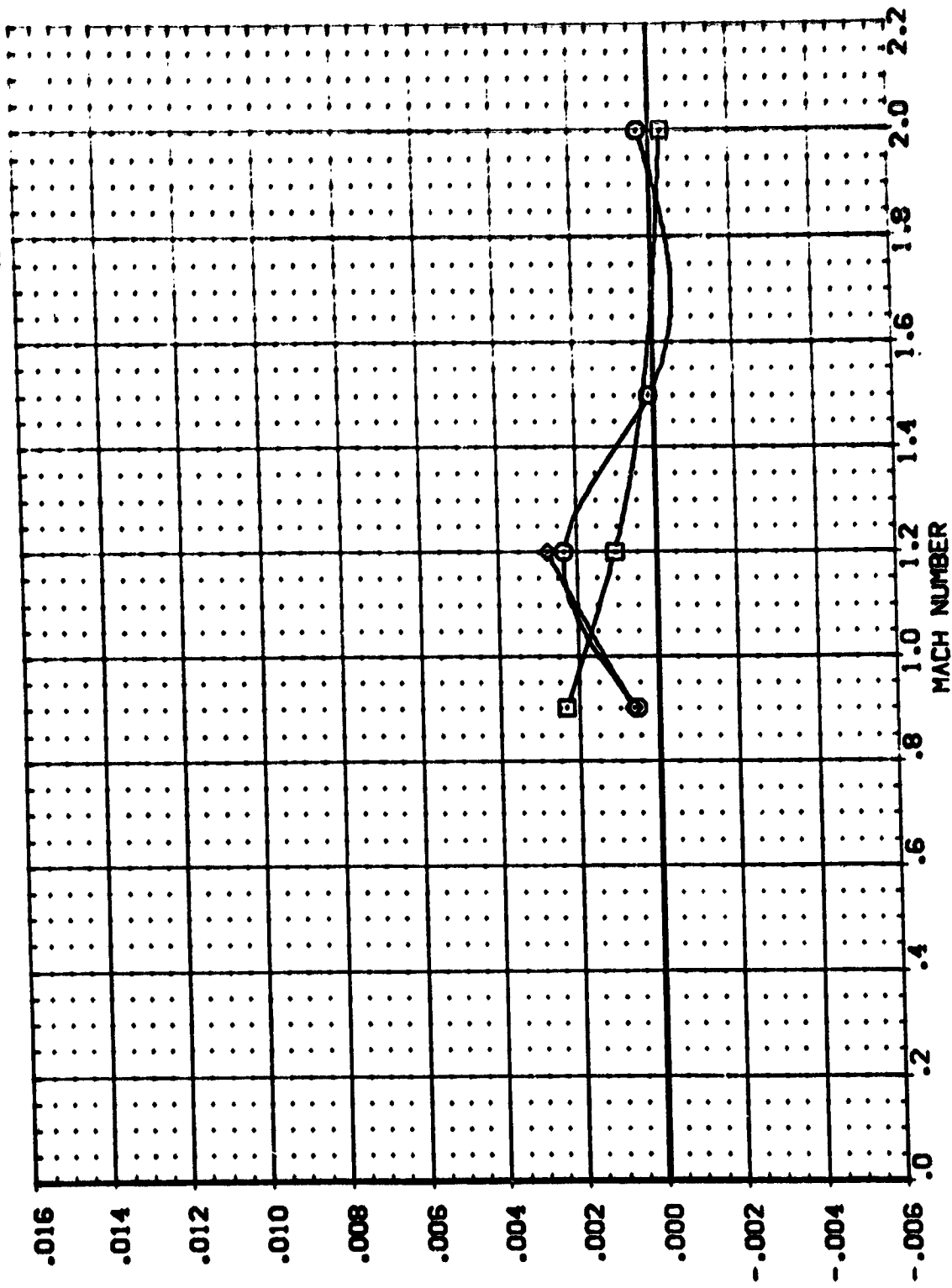


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(D)BETA = 2.00

REFERENCE INFORMATION  
 SREF 2650.0000 SQ.FT.  
 LREF 1326.3000 IN.  
 BREF 1326.3000 IN.  
 XREF 1000  
 YREF 1000  
 ZREF 1000  
 SCALE .001

ALPHA  
 .000  
 .000  
 .000

DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 (F-4005) 1A88 C1 F1 M1  
 (F-4006) 1A88 C1 F1 M2(1) + FILLET  
 (F-4010) 1A88 C1 F1 M3 M4

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

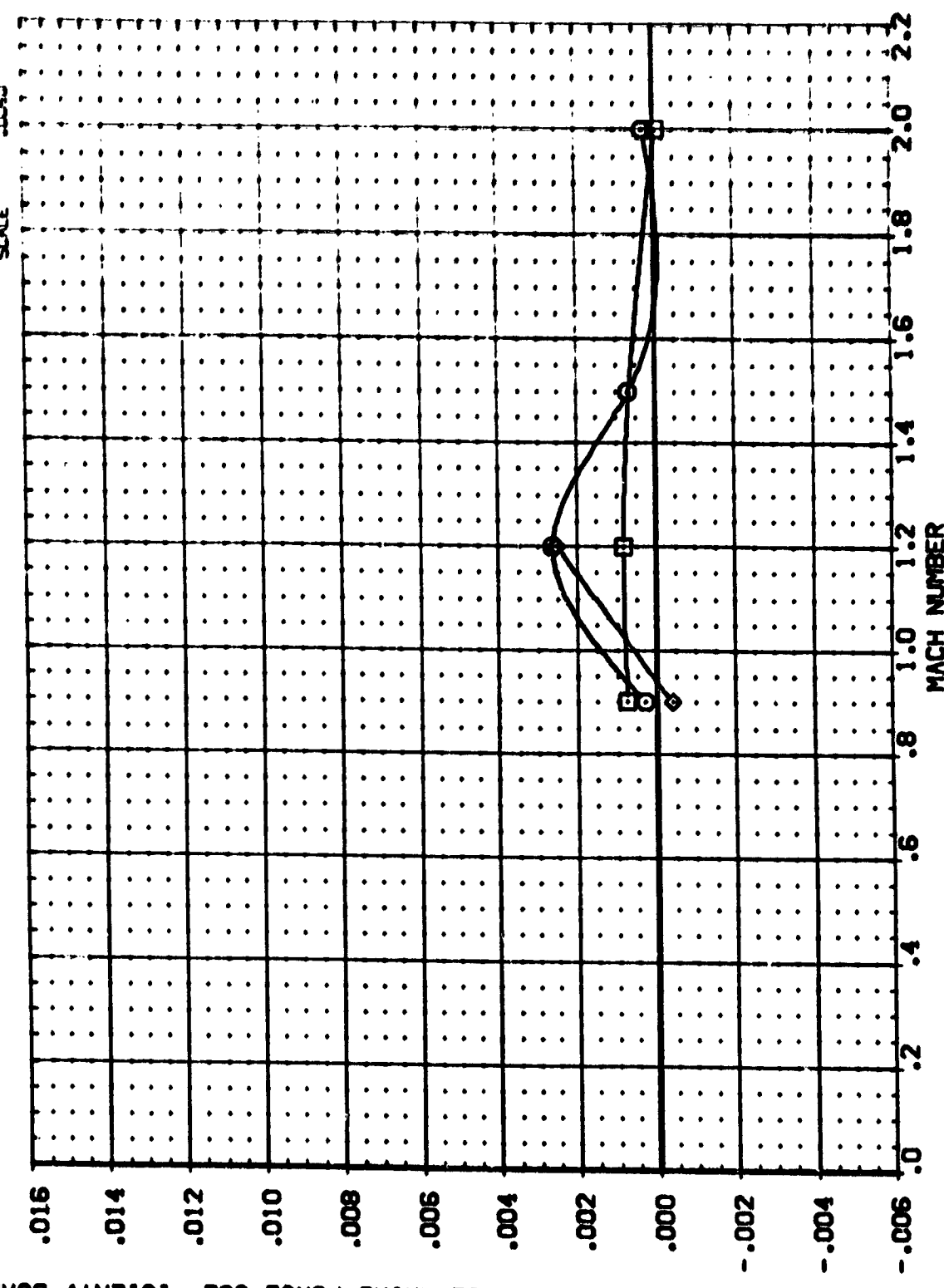


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS  
 (E)BETA = 4.00



DATA SET SYMBOL: [BF4005] [AF4012]

CONFIGURATION DESCRIPTION: [AB8 C1 F1 M2] [AB8 C1 F1 M2]

BETA: .000  
.000

REFERENCE INFORMATION:  
SREF: 2890.0000 SQ.FT.  
LREF: 328.2000 IN.  
BREF: 328.2000 IN.  
XMRP: .0000  
YMRP: .0000  
ZMRP: .0000  
SCALE: .0010

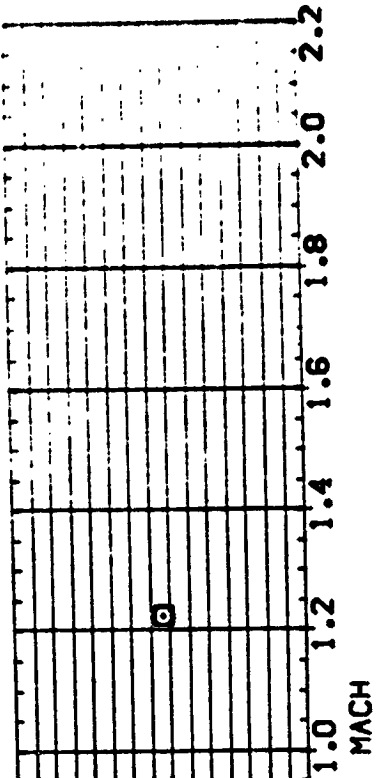
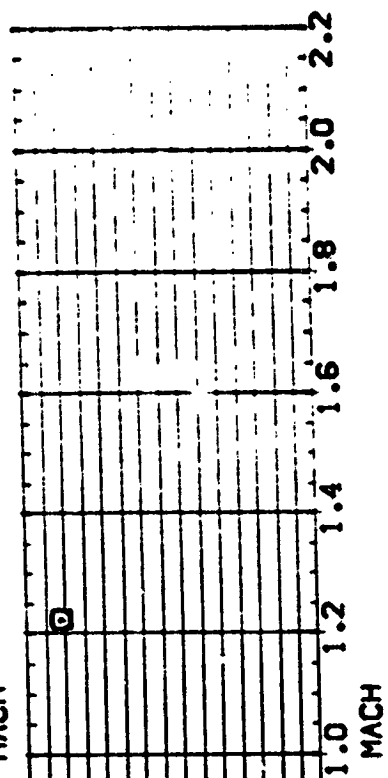
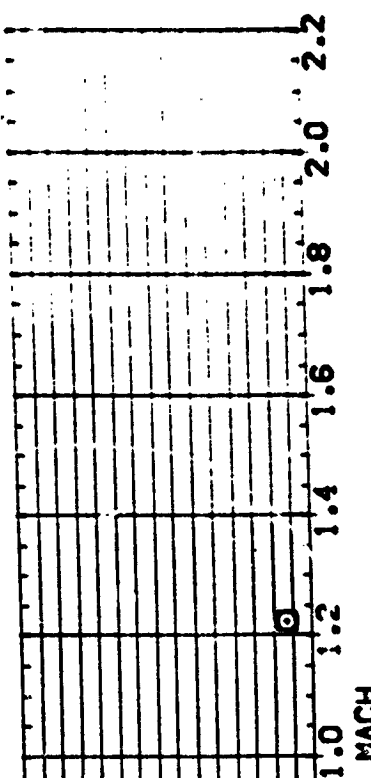


FIG 7 REPEATABILITY - BASE DRAG

(AJALP-A = .00

DATA FIGURES - PRESSURE

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (REFLO1) [A88 C1 F1] UPPER VING SURFACE  
 (REFLO1) [A88 C1 F1] LOWER VING SURFACE

BETA  
 .000  
 .000

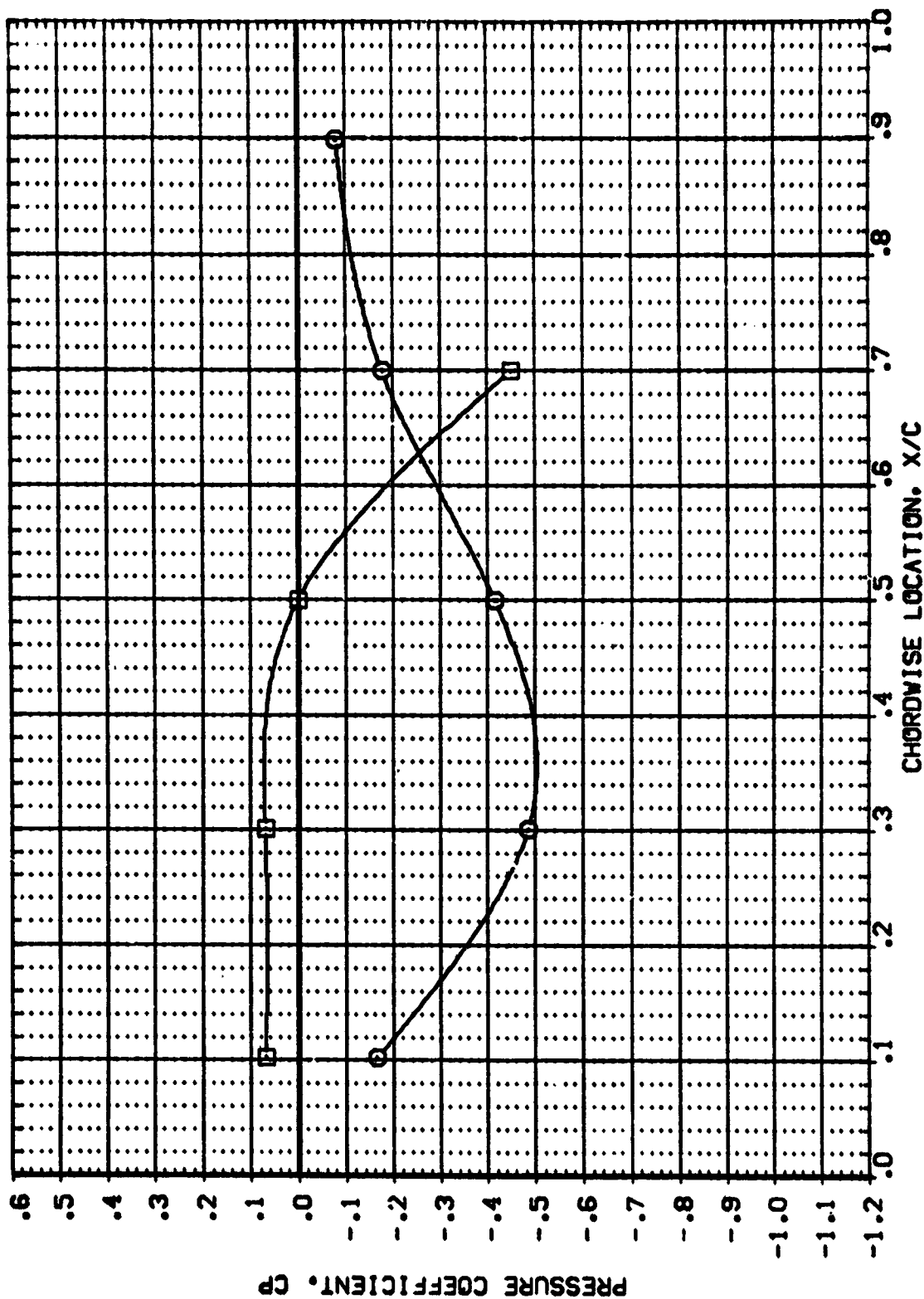


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = .863 ALPHA = .000  $2Y/B = .500$

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 [RFL02] [ASB C] F1  
 [RFL02] [ASB C] F1

BETA  
 UPPER WING SURFACE .000  
 LOWER WING SURFACE .000

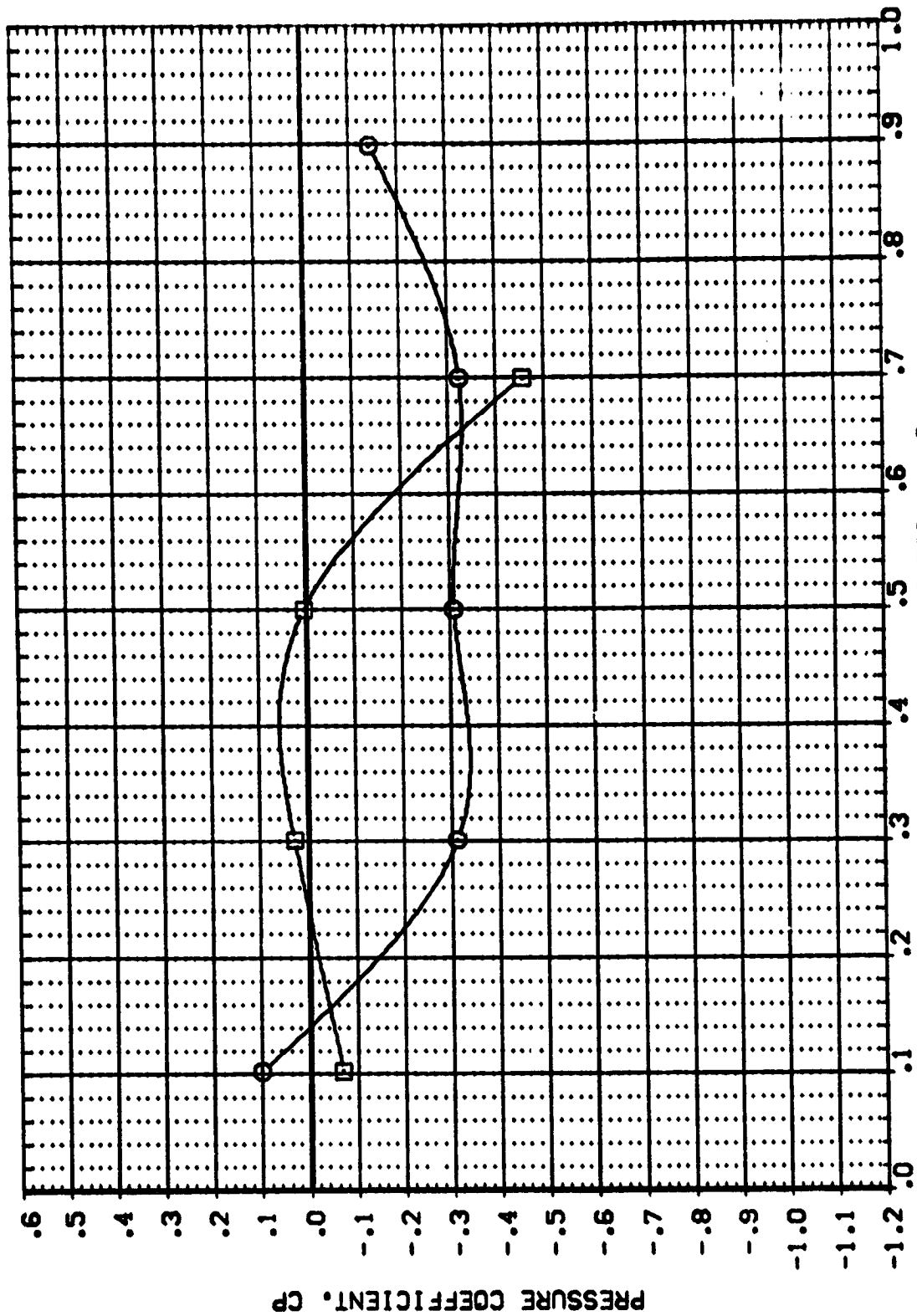


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = .896 ALPHA = -4.000 2Y/B = .500



DATA SET SYMBOL (RFL02) [RFL02] CONFIGURATION DESCRIPTION (A88 C1 F1) (A88 C1 F1) UPPER WING SURFACE LOWER WING SURFACE BETA .000 .000

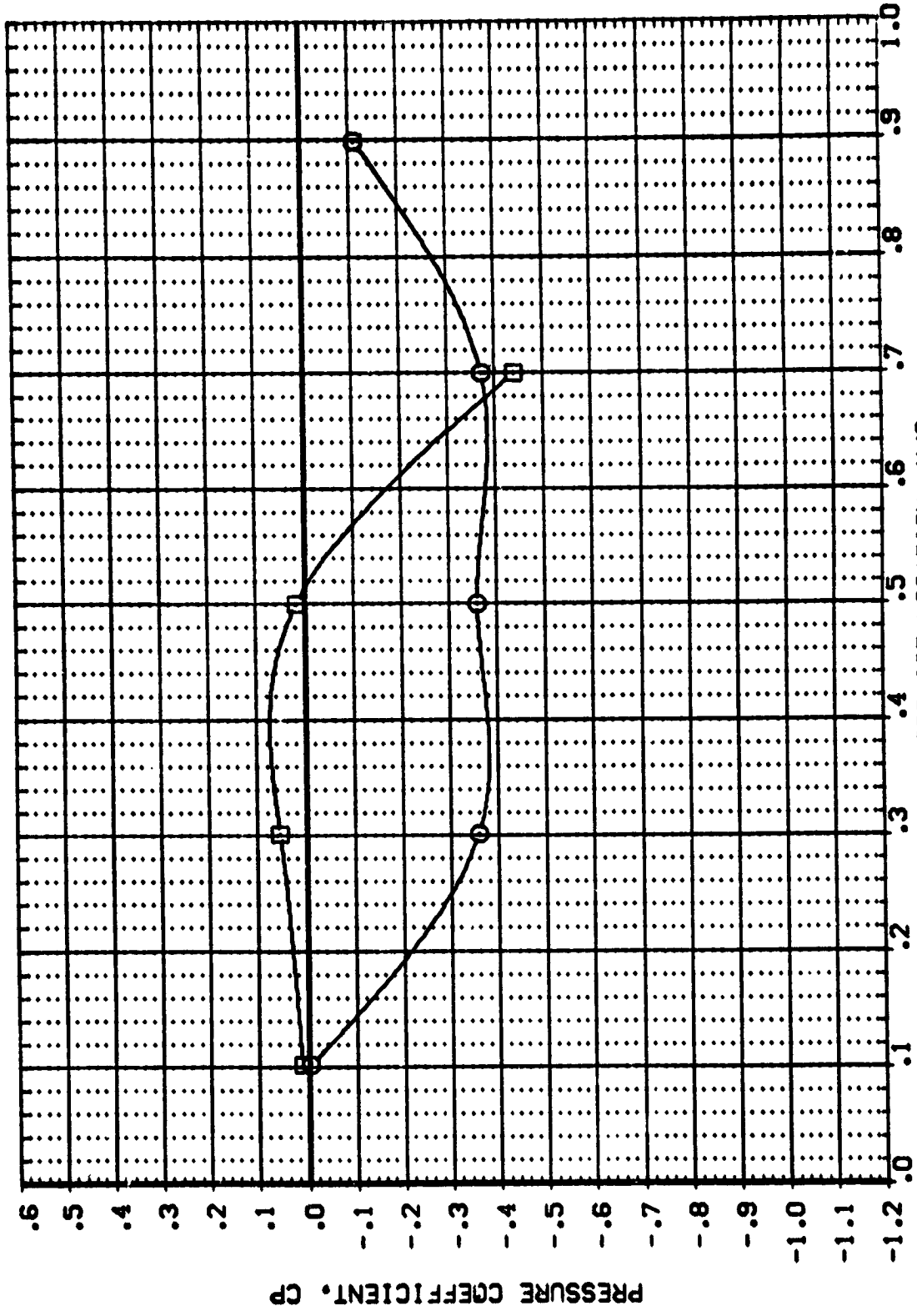


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = .896 ALPHA = -2.000 2Y/B = .500

DATA SET SYMBOL. CONFIGURATION DESCRIPTION  
 (R4402) (R4402) □ (R4402) □

1A88 C1 F1  
 1A88 C1 F1

BETA .000  
 UPPER WING SURFACE .000  
 LOWER WING SURFACE .000

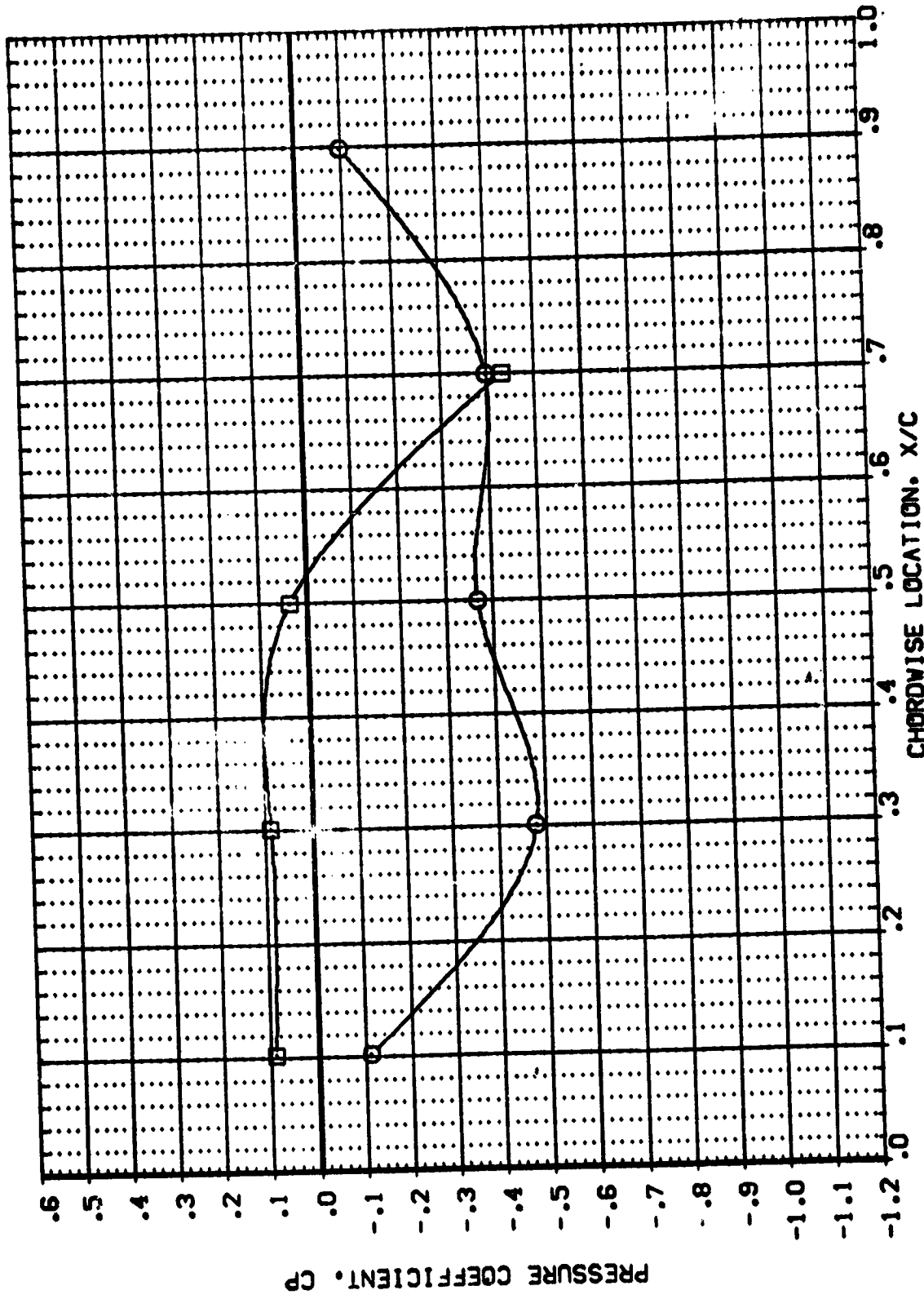


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = .896 ALPHA = -.090 2Y/B = .500

DATA SET SYMBOL: (RF4L02) (RF4L02)  
 CONFIGURATION DESCRIPTION: (ASB CI F) (ASB CI F)

BETA: .000  
 UPPER WING SURFACE: .000  
 LOWER WING SURFACE: .000

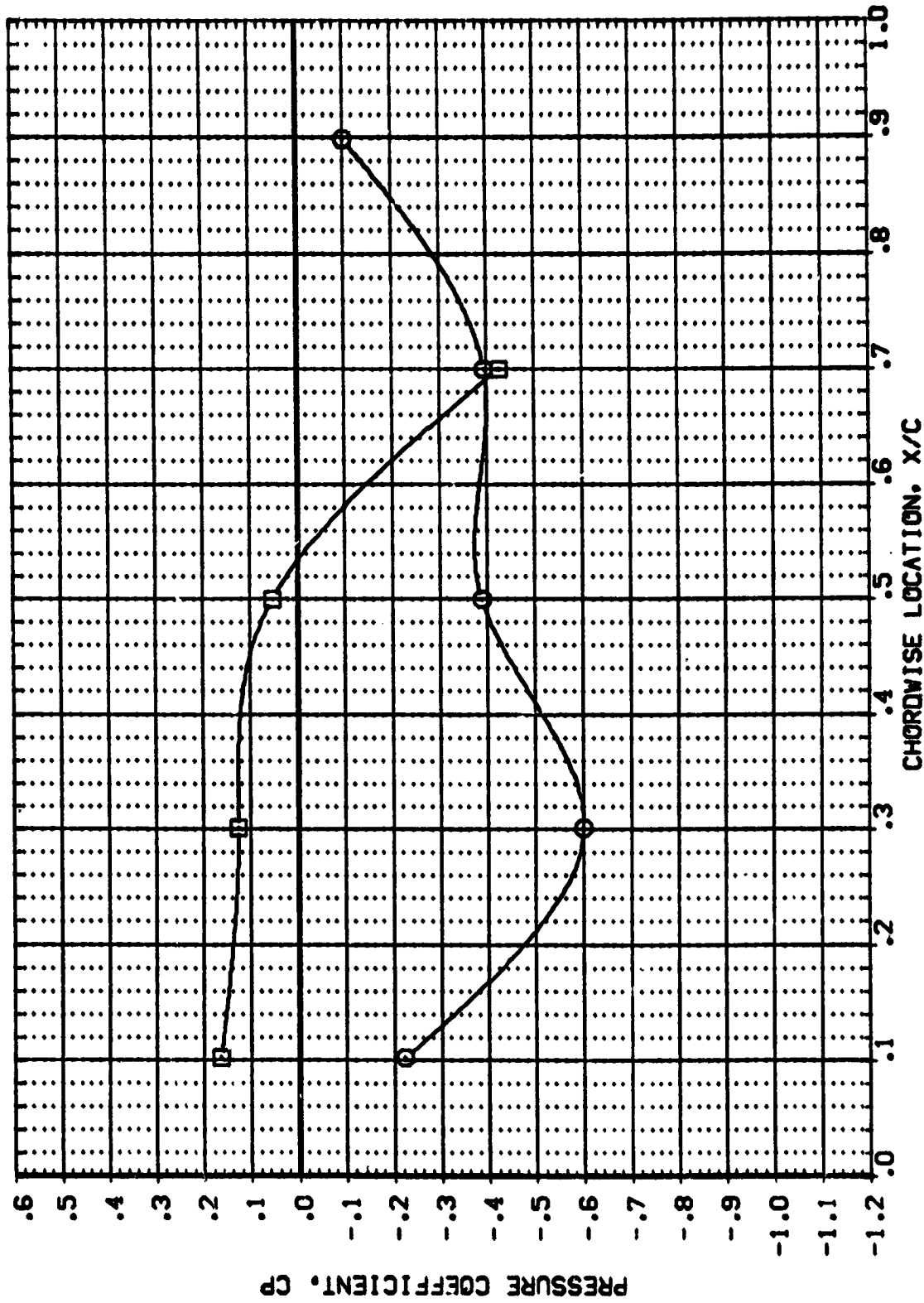


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = .896 ALPHA = 1.800 2Y/B = .500

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DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (RF-402) [A] [B] C1 F1  
 (RF-402) [B] [A] C1 F1

BETA  
 UPPER WING SURFACE .000  
 LOWER WING SURFACE .000

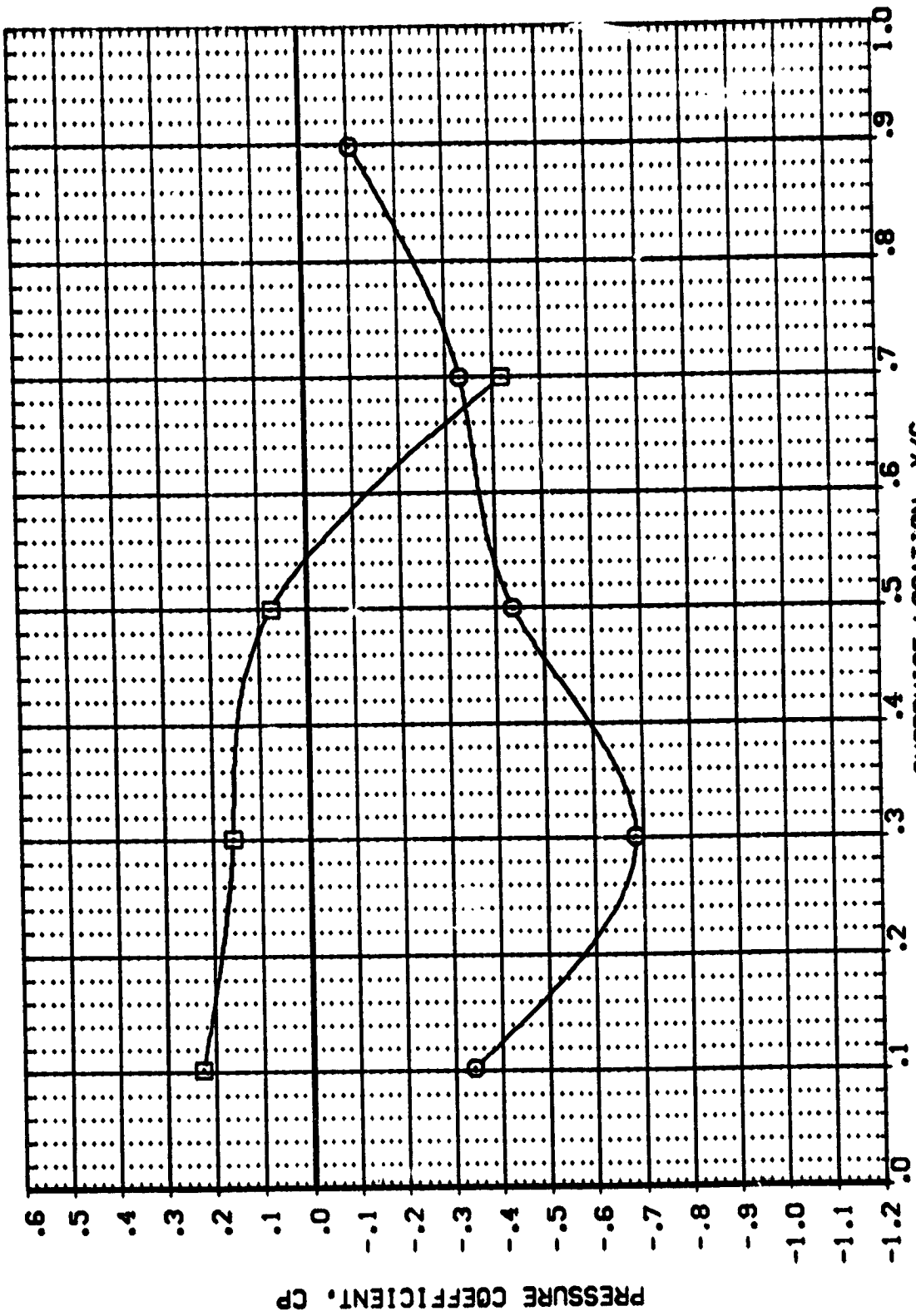


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = .896 ALPHA = 3.670 2Y/B = .500





DATA SET SYMBOL: (REF102) (REF102)  
 CONFIGURATION DESCRIPTION: IAGB C1 F1 IAGB C1 F1

BETA: .000 .000  
 UPPER WING SURFACE  
 LOWER WING SURFACE

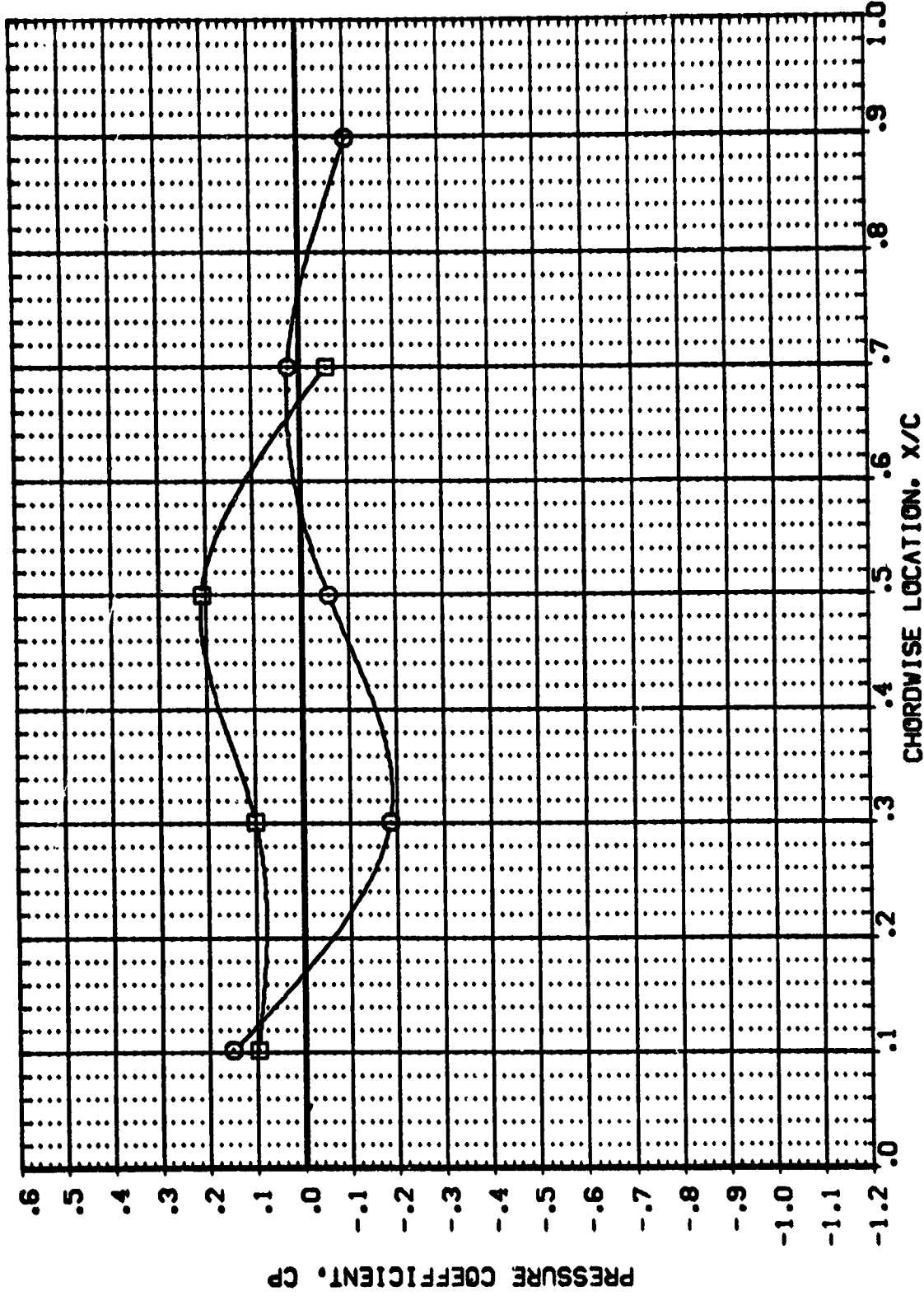


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = 1.211 ALPHA = -3.910  $2Y/B = .500$

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DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 (RF4LOZ) 1A68 C1 F1 UPPER WING SURFACE .000  
 (RF4LOZ) 1A68 C1 F1 LOWER WING SURFACE .000

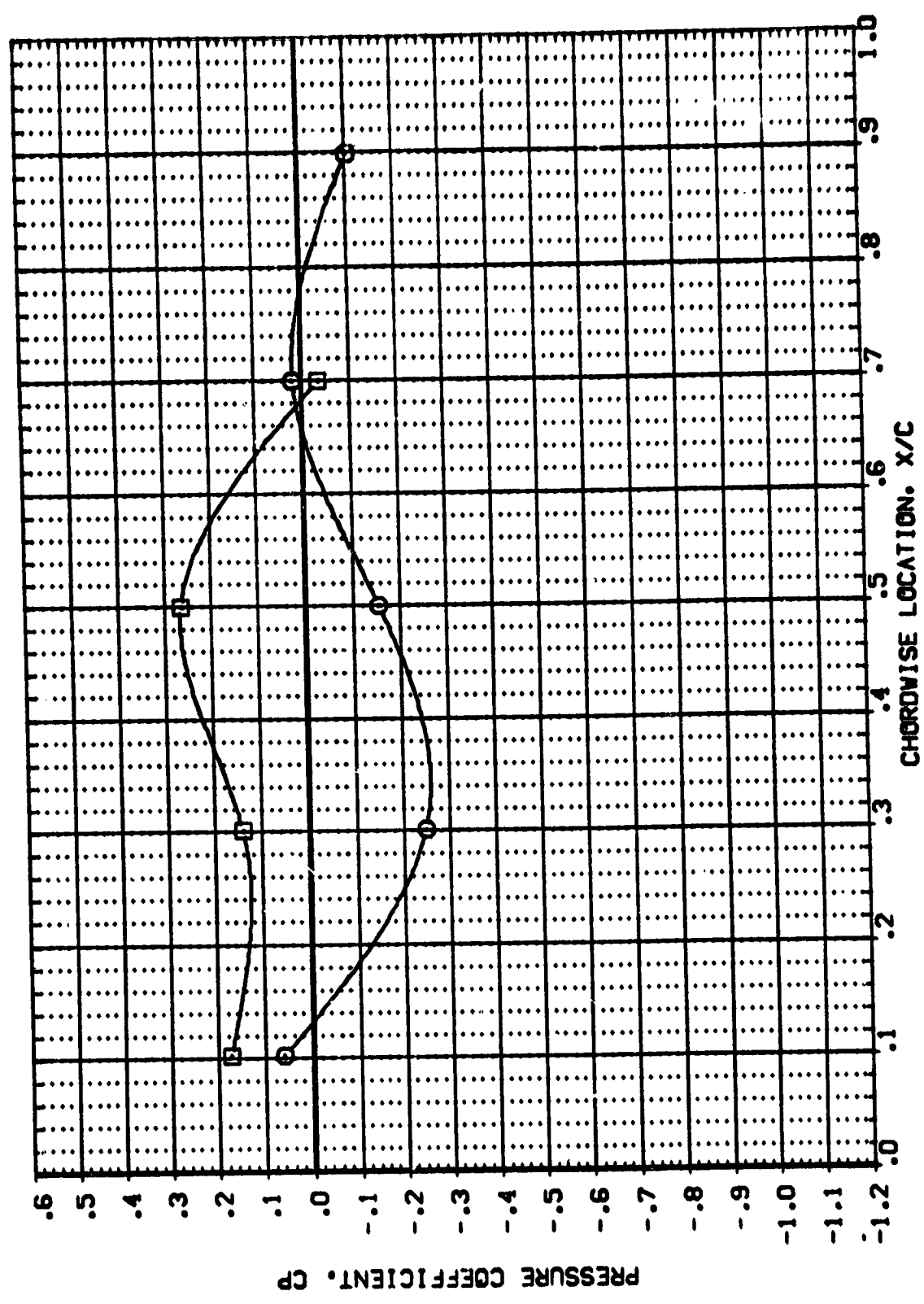


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.211 ALPHA = -1.830 2Y/B = .500



DATA SET SYMBOL. CONFIGURATION DESCRIPTION  
 (R4L02) 1A88 C1 F1  
 (R4L02) 1A88 C1 F1

BETA  
 .000  
 UPPER WING SURFACE  
 .000  
 LOWER WING SURFACE

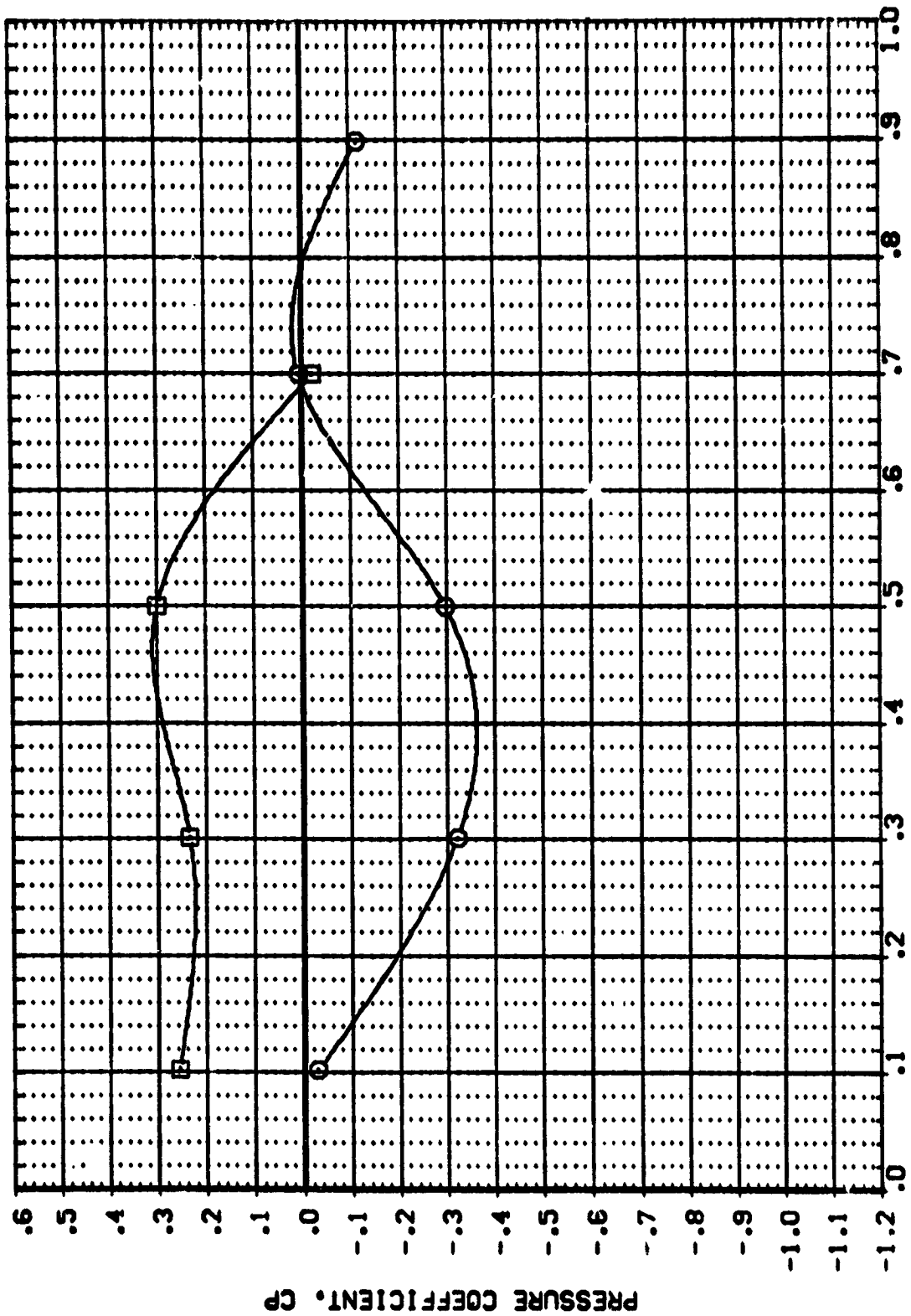


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = 1.211 ALPHA = .150  $2Y/B = .500$



DATA SET SYMBO.    CONFIGURATION DESCRIPTION    BETA  
 (NF-4L02)    [NF-4L02]    [NF-4L02]    .000  
 [NF-4L02]    [NF-4L02]    [NF-4L02]    .000  
 [NF-4L02]    [NF-4L02]    [NF-4L02]    .000

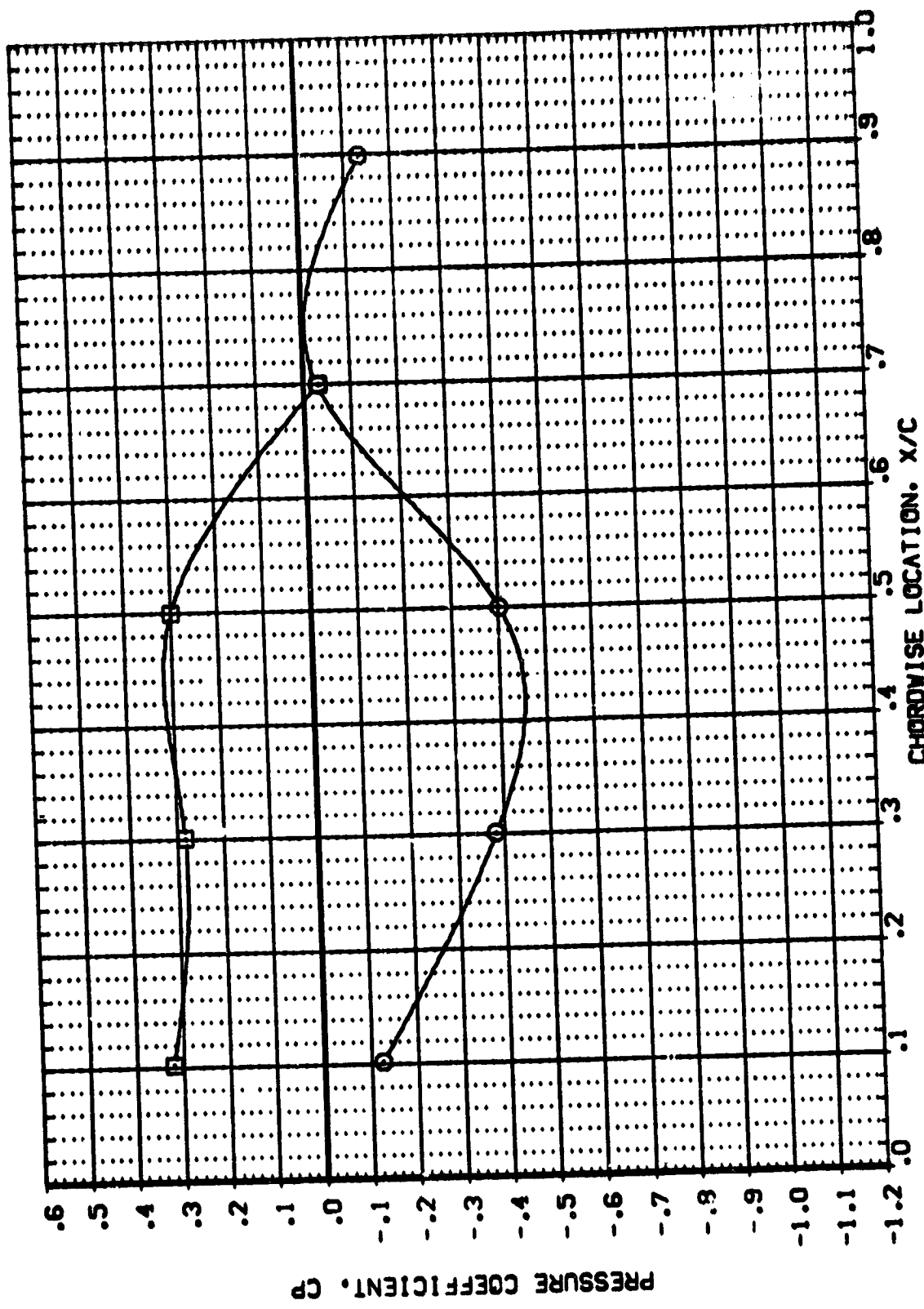


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = 1.211    ALPHA = 2.120     $2Y/B = .500$     PAGE 10



DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (REF402) [A88] [E1] [F1]  
 (REF402) [A88] [E1] [F1]

BETA  
 UPPER WING SURFACE .000  
 LOWER WING SURFACE .000

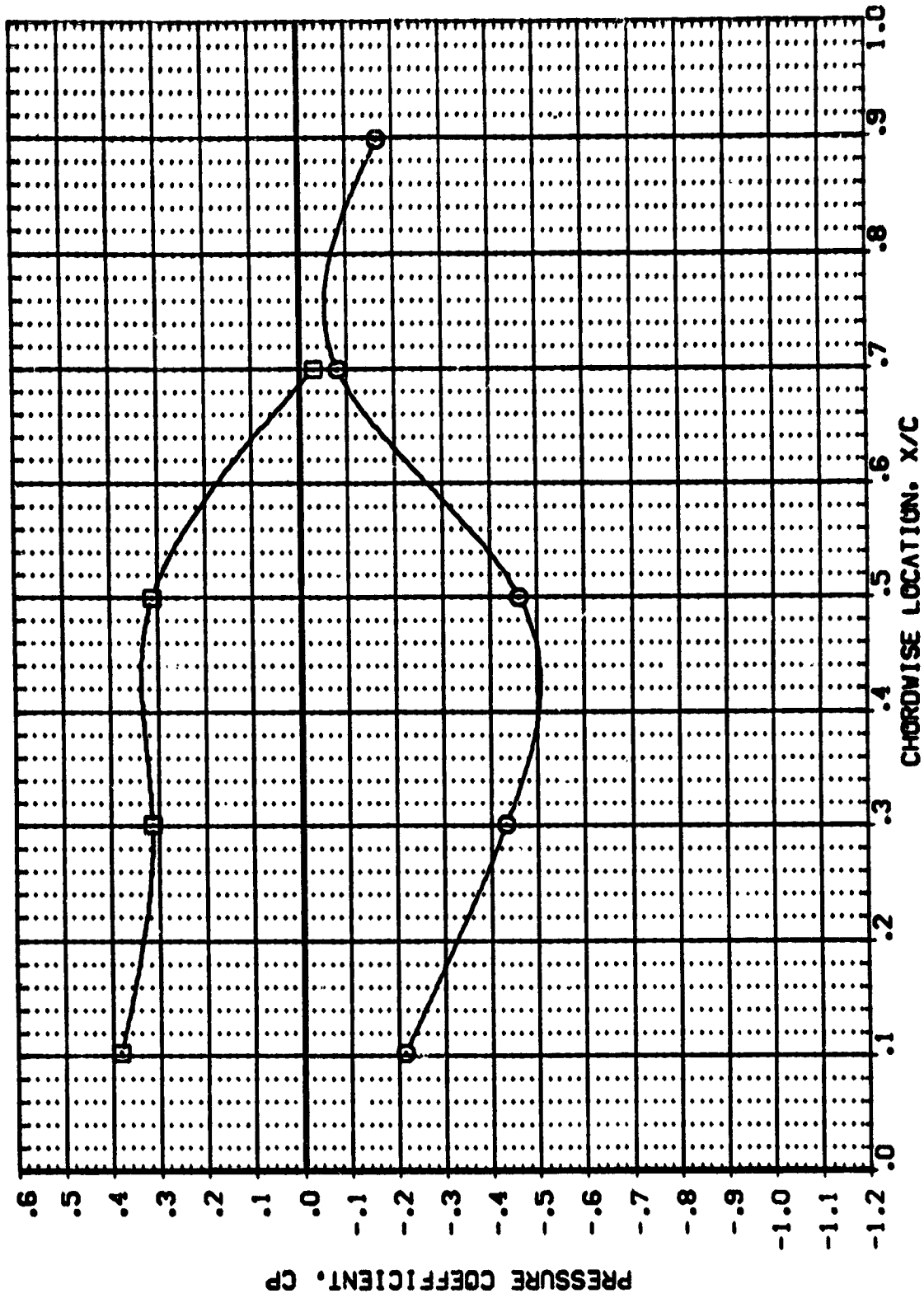


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = 1.211 ALPHA = 4.030  $2Y/B = .500$

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DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 (RF4LOZ) [ASB C] F1 UPPER WING SURFACE .000  
 (RF4LOZ) [ASB C] F1 LOWER WING SURFACE .000

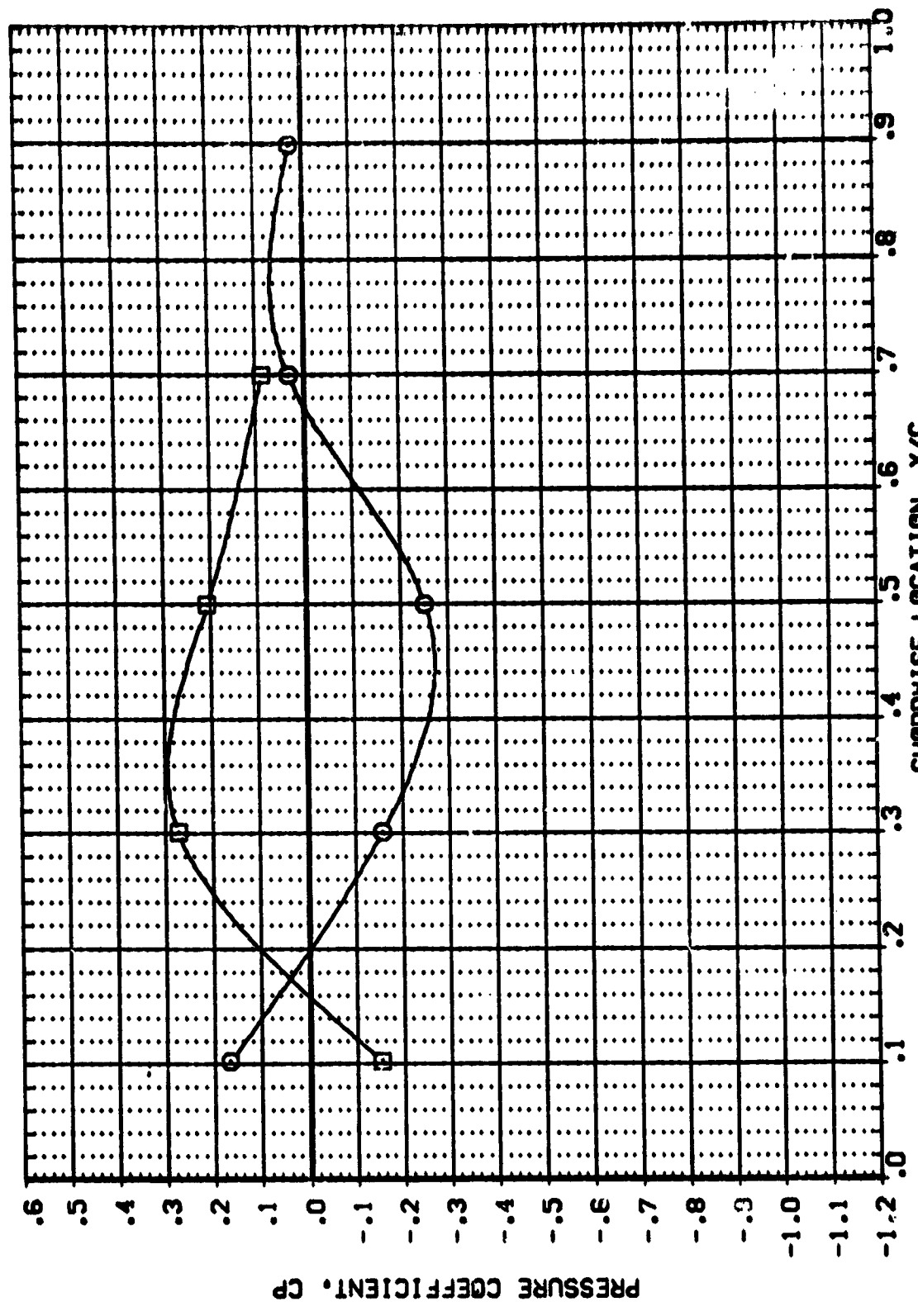


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = 1.503 ALPHA = -3.890  $2Y/B = .500$



DATA SET SYMBO. CONFIGURATION DESCRIPTION

(REF-4LOZ) [ ] (REF-4LOZ)

[ ] [ ] [ ] [ ]

BETA  
UPPER WING SURFACE .000  
LOWER WING SURFACE .000

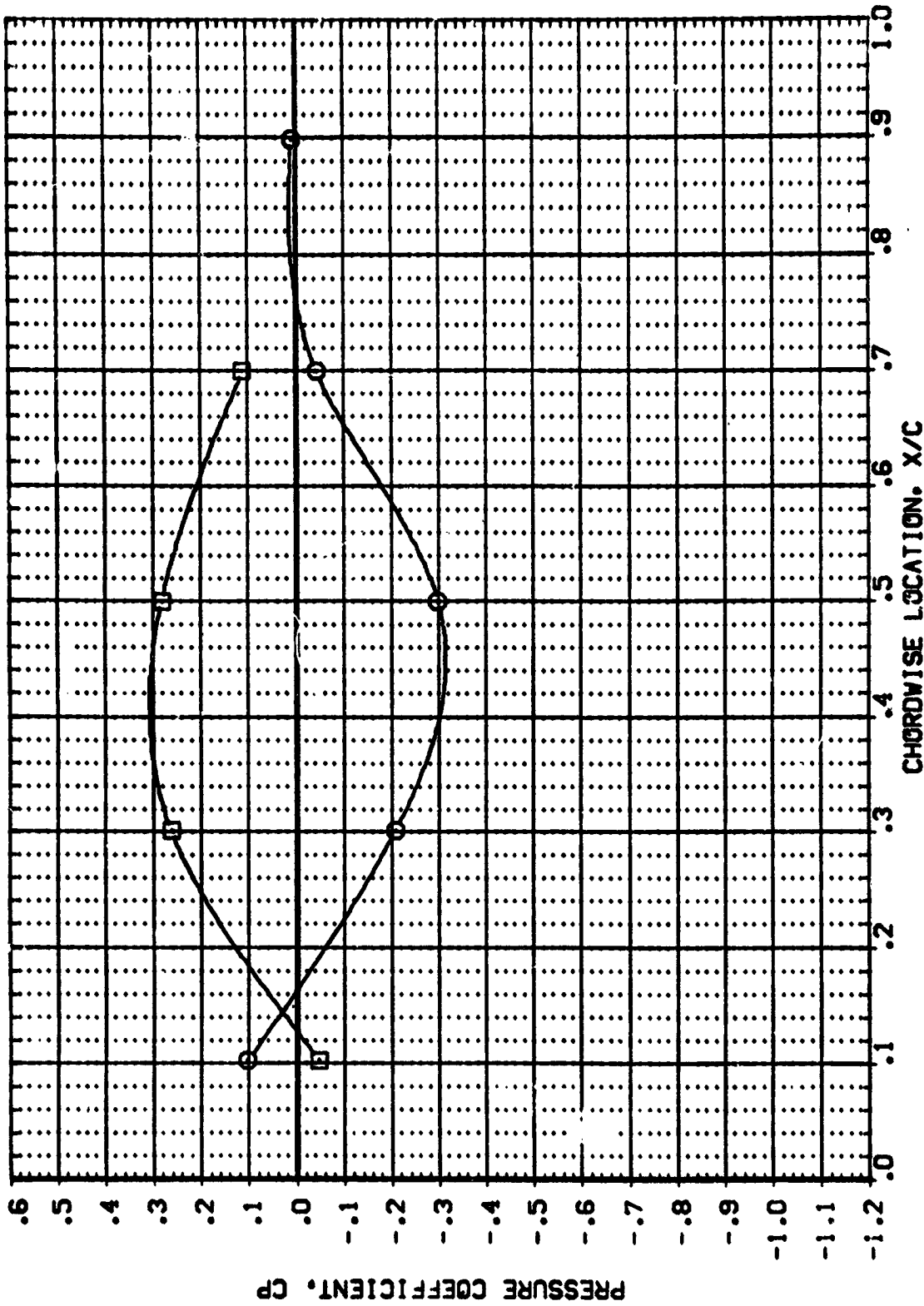


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.503 ALPHA = -1.690 2Y/B = .500

DATA SET SYMB. CONFIGURATION DESCRIPTION

(#F 4L02) [A68 C1 F] [A68 C1 F]

BETA  
UPPER WING SURFACE .000  
LOWER WING SURFACE .000

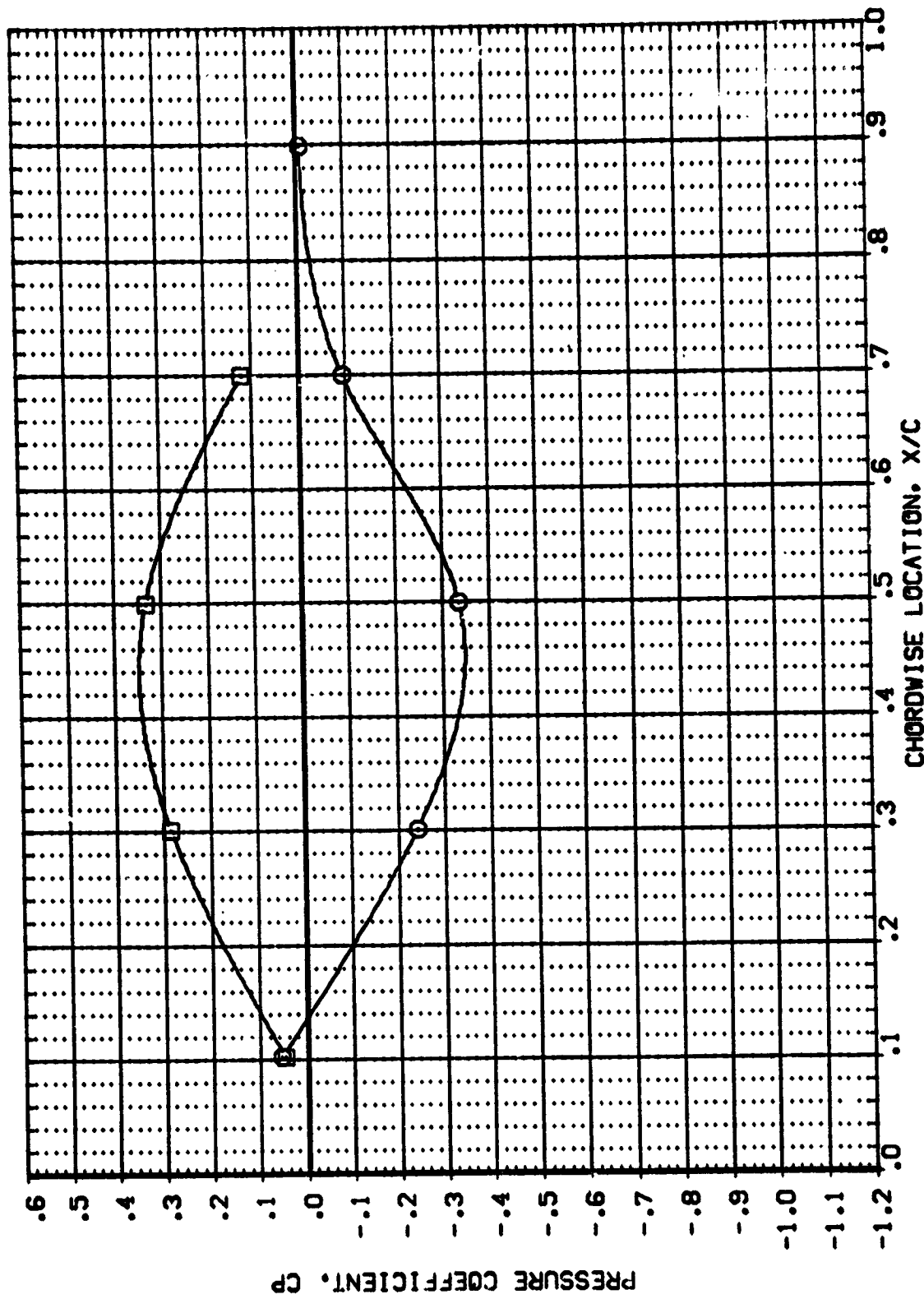


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = 1.503 ALPHA = .120  $2Y/B = .500$





DATA SET SYMBOL. CONFIGURATION DESCRIPTION  
 (R4L02) [R4B C] F1  
 (R4L02) [R4B C] F1

BETA  
 .000  
 .000

UPPER WING SURFACE

LOWER WING SURFACE

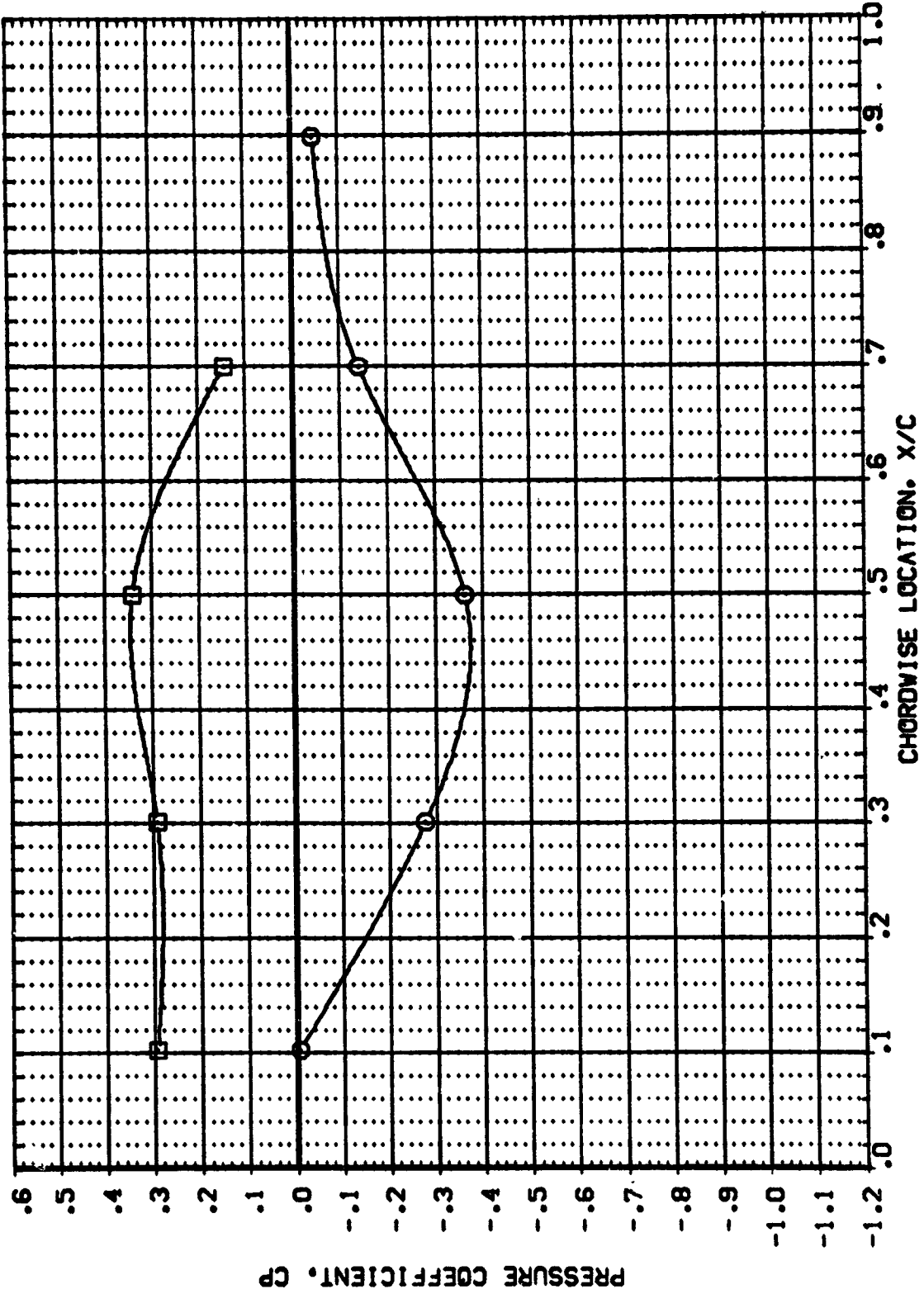


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = 1.503 ALPHA = 2.010  $2Y/B = .500$

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DATA SET SYMBOL. CONFIGURATION DESCRIPTION  
 (RF4L02) 1A68 C1 F1  
 (RF4L02) 1A68 C1 F1

BETA  
 .000  
 UPPER WING SURFACE  
 .000  
 LOWER WING SURFACE

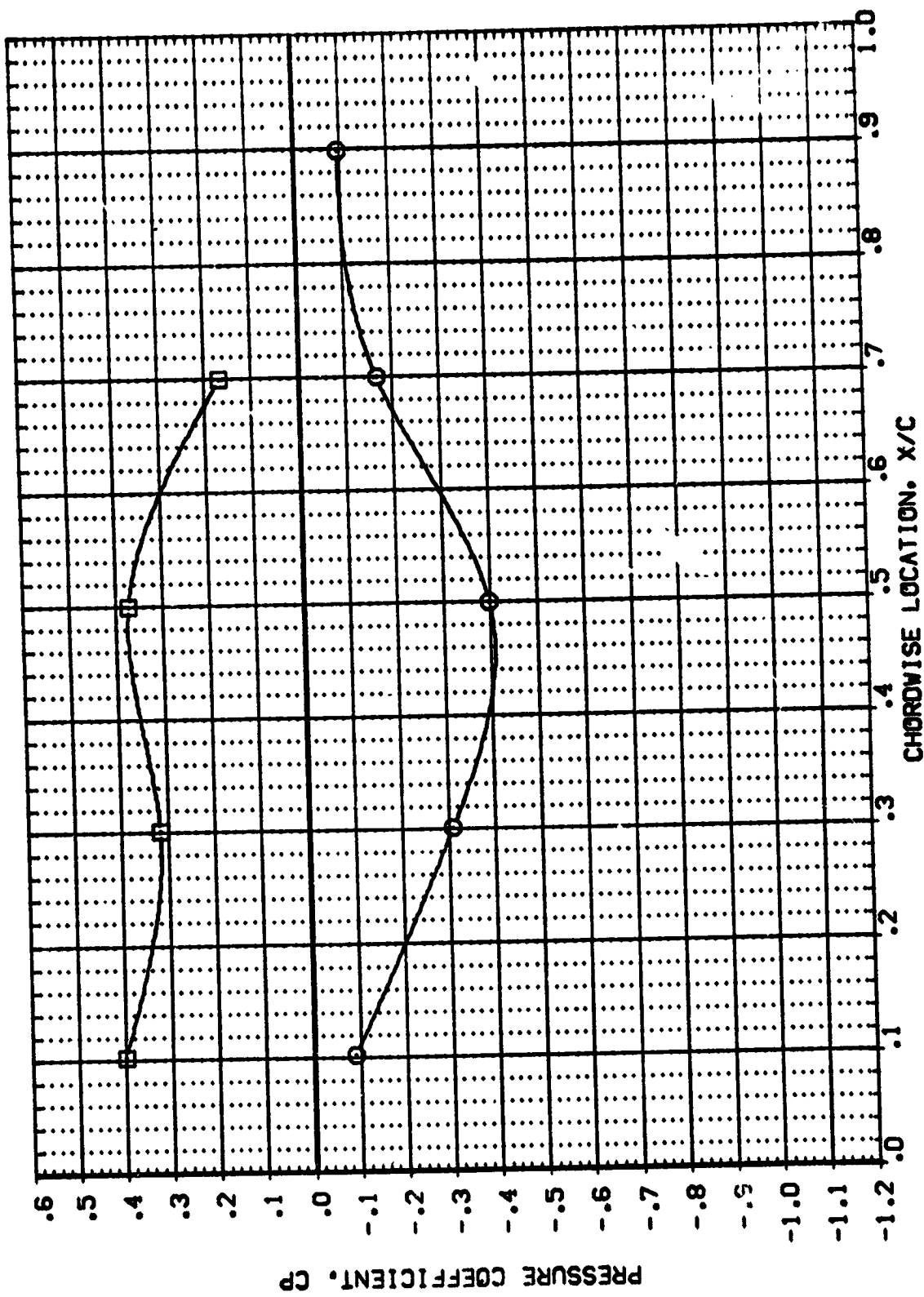


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = 1.503 ALPHA = 3.950  $2Y/B = .500$



DATA SET SYMB. (RF4L02) (RF4L02)   
 CONFIGURATION DESCRIPTION IASB C1 F1 IASB C1 F1   
 UPPER WING SURFACE   
 LOWER WING SURFACE   
 BETA .000 .000

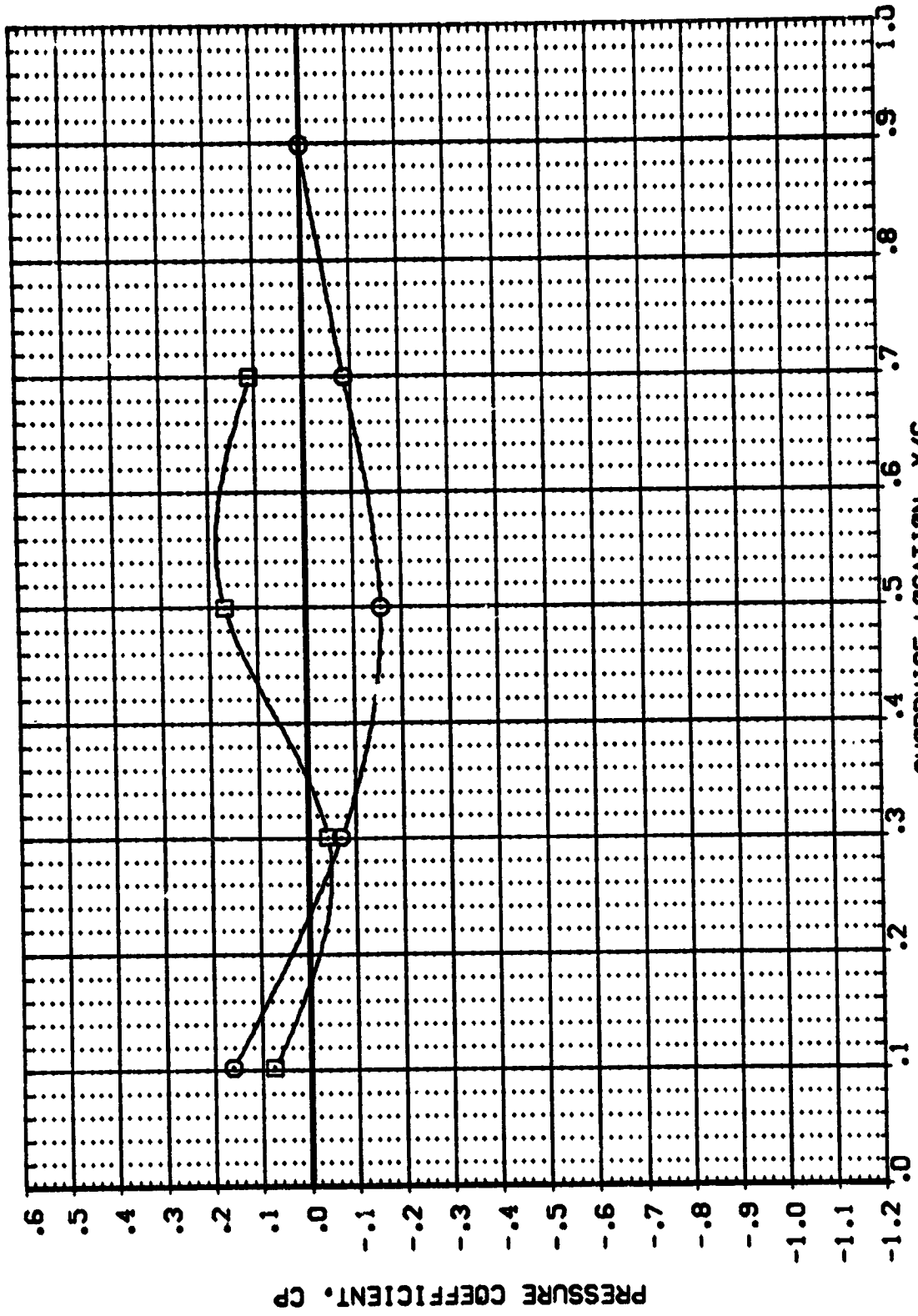


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.991 ALPHA = -3.770 2Y/B = .500

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DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (RFA102) 1A68 C1 F1  
 (RFA102) □ 1A68 C1 F1

BETA  
 UPPER WING SURFACE .000  
 LOWER WING SURFACE .000

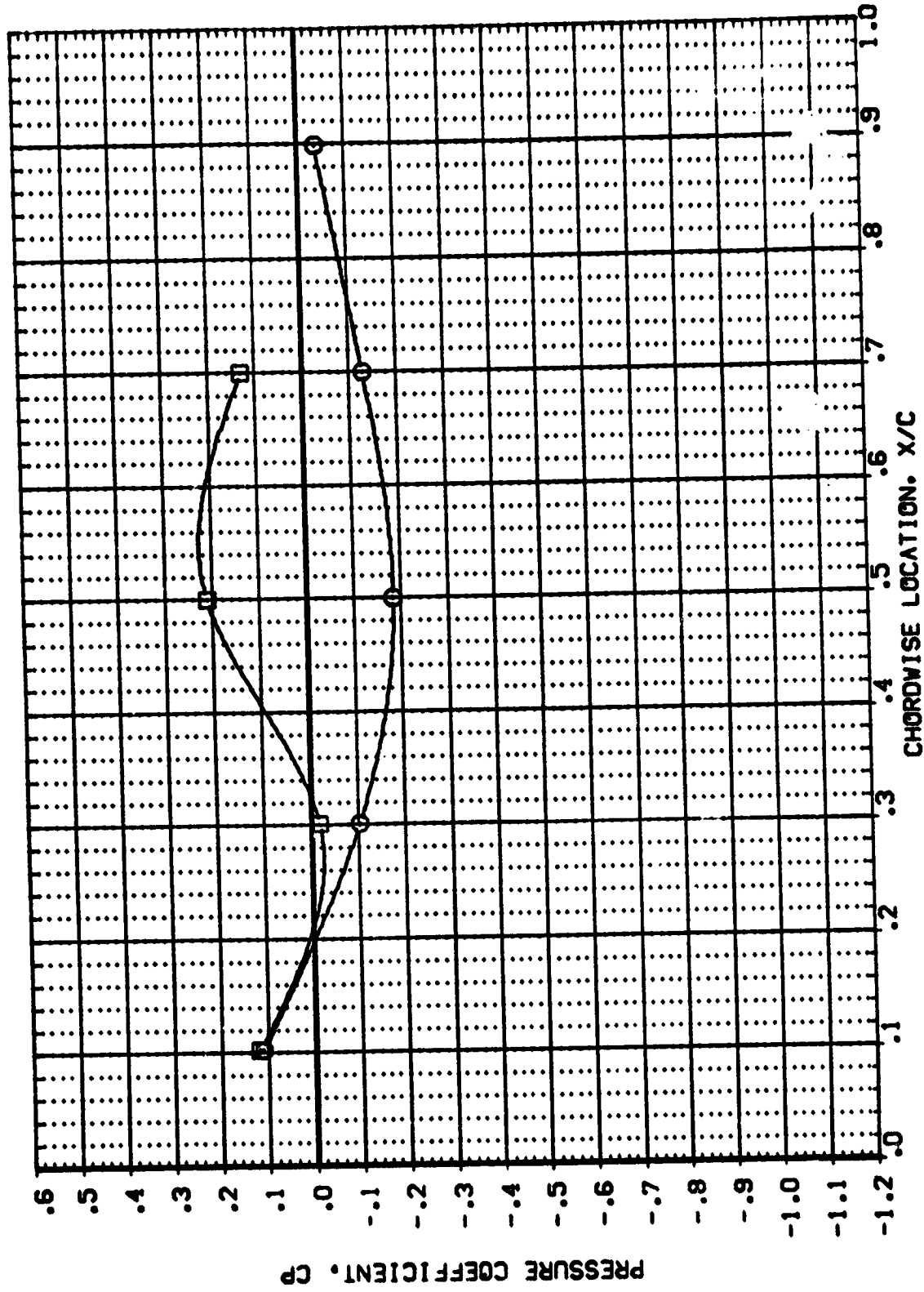


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.991 ALPHA = -1.960 2Y/B = .500



DATA SET SYMBOL: (NF4U02) (NF4U02)  
 CONFIGURATION DESCRIPTION: 1A58 C1 F1 1A58 C1 F1

BETA: .000  
 UPPER WING SURFACE: .000  
 LOWER WING SURFACE: .000

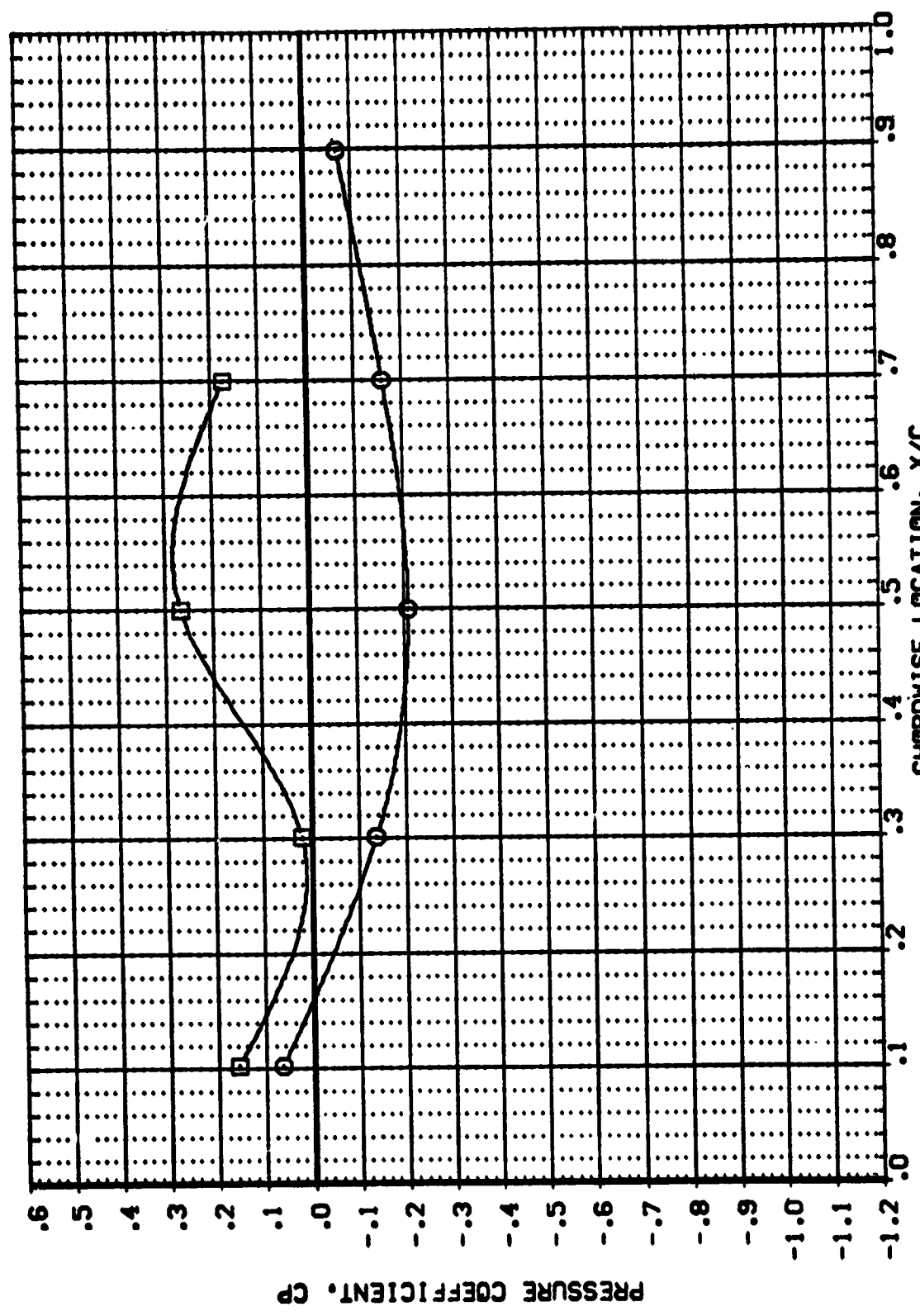


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.991 ALPHA = .020 2Y/B = .500



DATA SET SYMBOL: **B** CONFIGURATION DESCRIPTION: UPPER WING SURFACE  
 (REF: 402) [ASB C] F1 LOWER WING SURFACE [ASB C] F1

BETA: .000

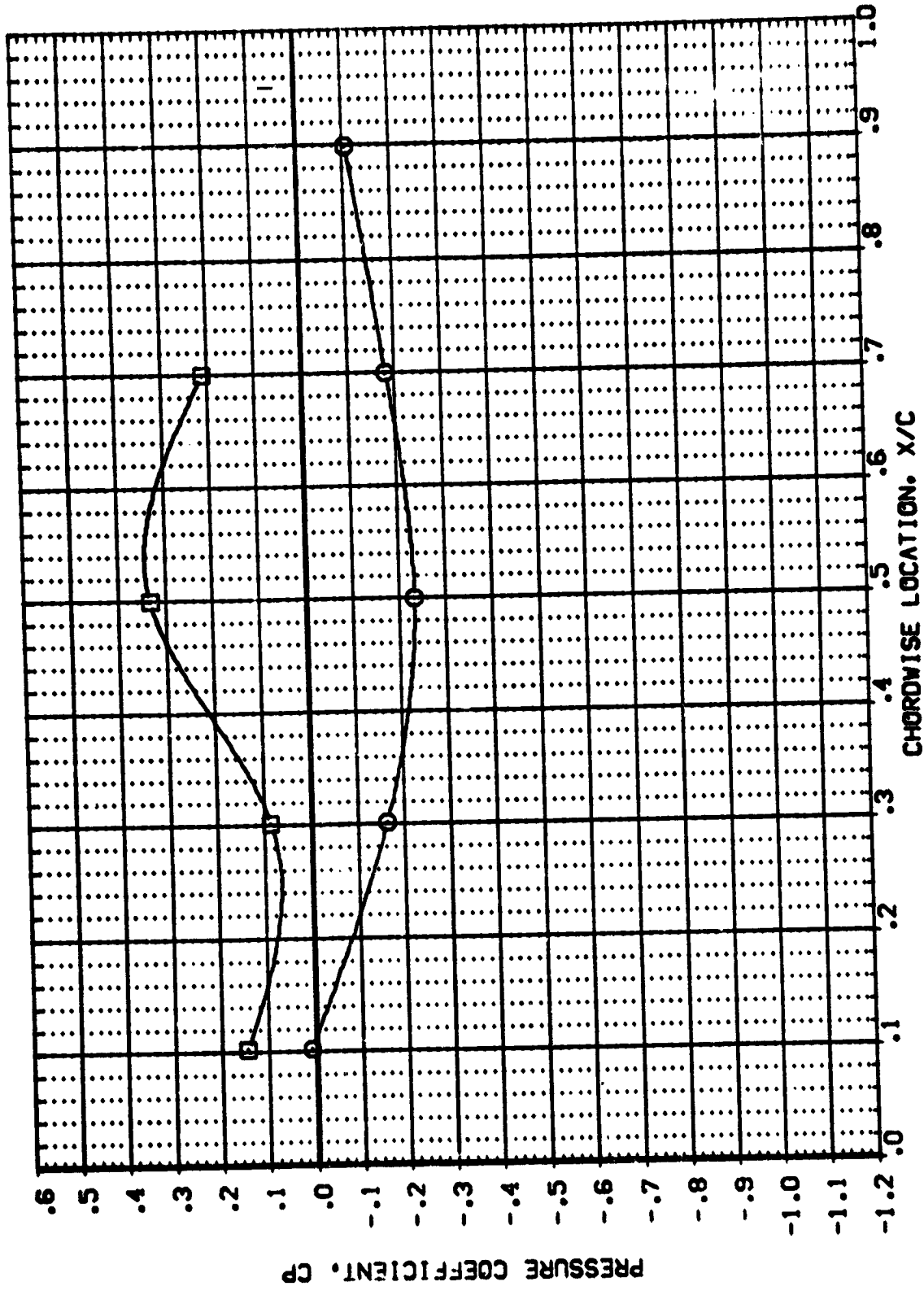


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

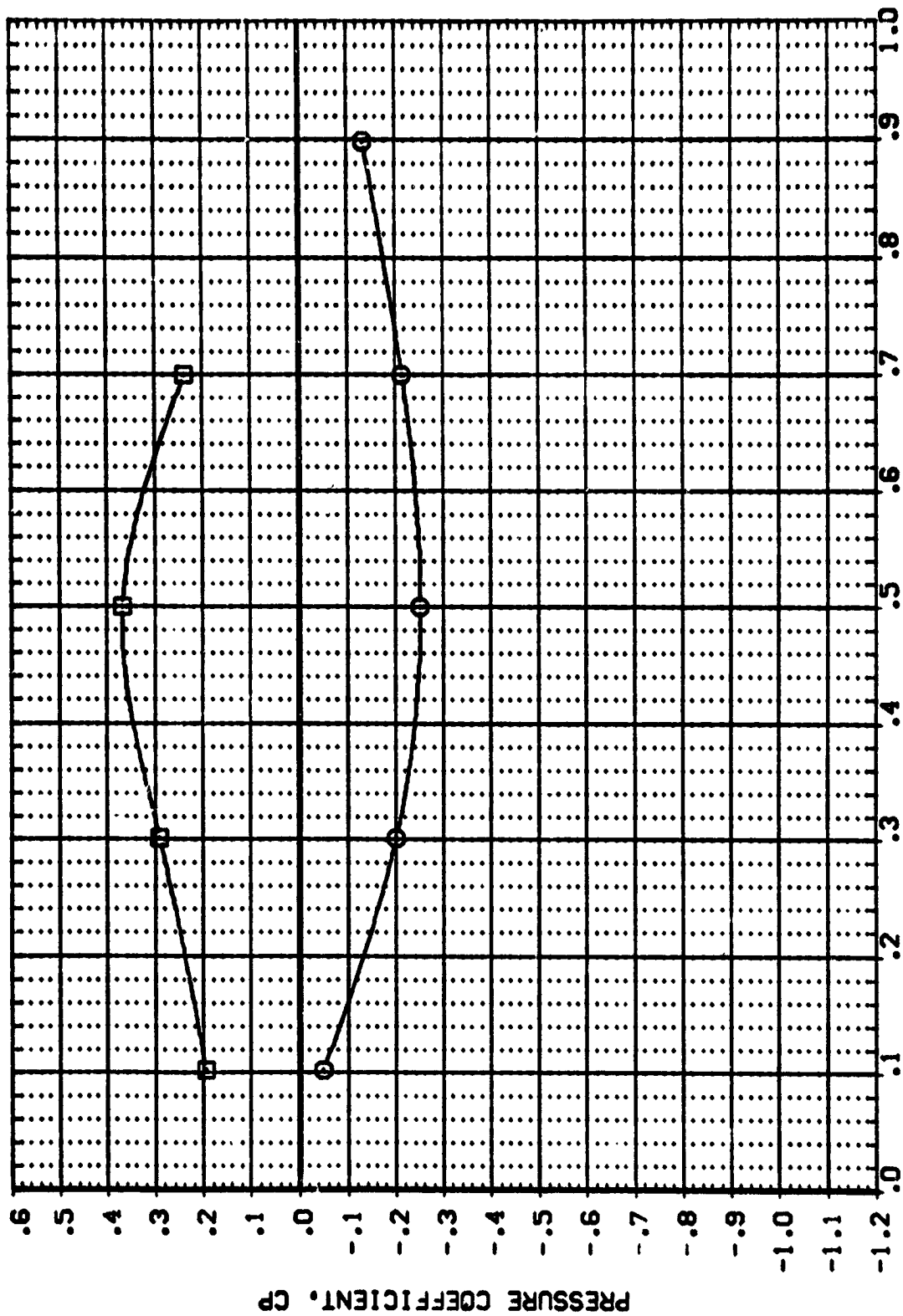
MACH = 1.991 ALPHA = 2.050  $2Y/B = .500$



DATA SET SYMBL. (RFL02) (RFL02)  
 CONFIGURATION DESCRIPTION (A88 C1 F1) (A88 C1 F1)

UPPER WING SURFACE  
 LOWER WING SURFACE

BETA .000  
 .000



REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = 1.991 ALPHA = 4.050  $2Y/B = .500$

DATA SET SYMBOL: [R4L03] [R4L03] ALPHA: .000  
 [A88 C1 F1] [A88 C1 F1] UPPER WING SURFACE: .000  
 [A88 C1 F1] [A88 C1 F1] LOWER WING SURFACE: .000

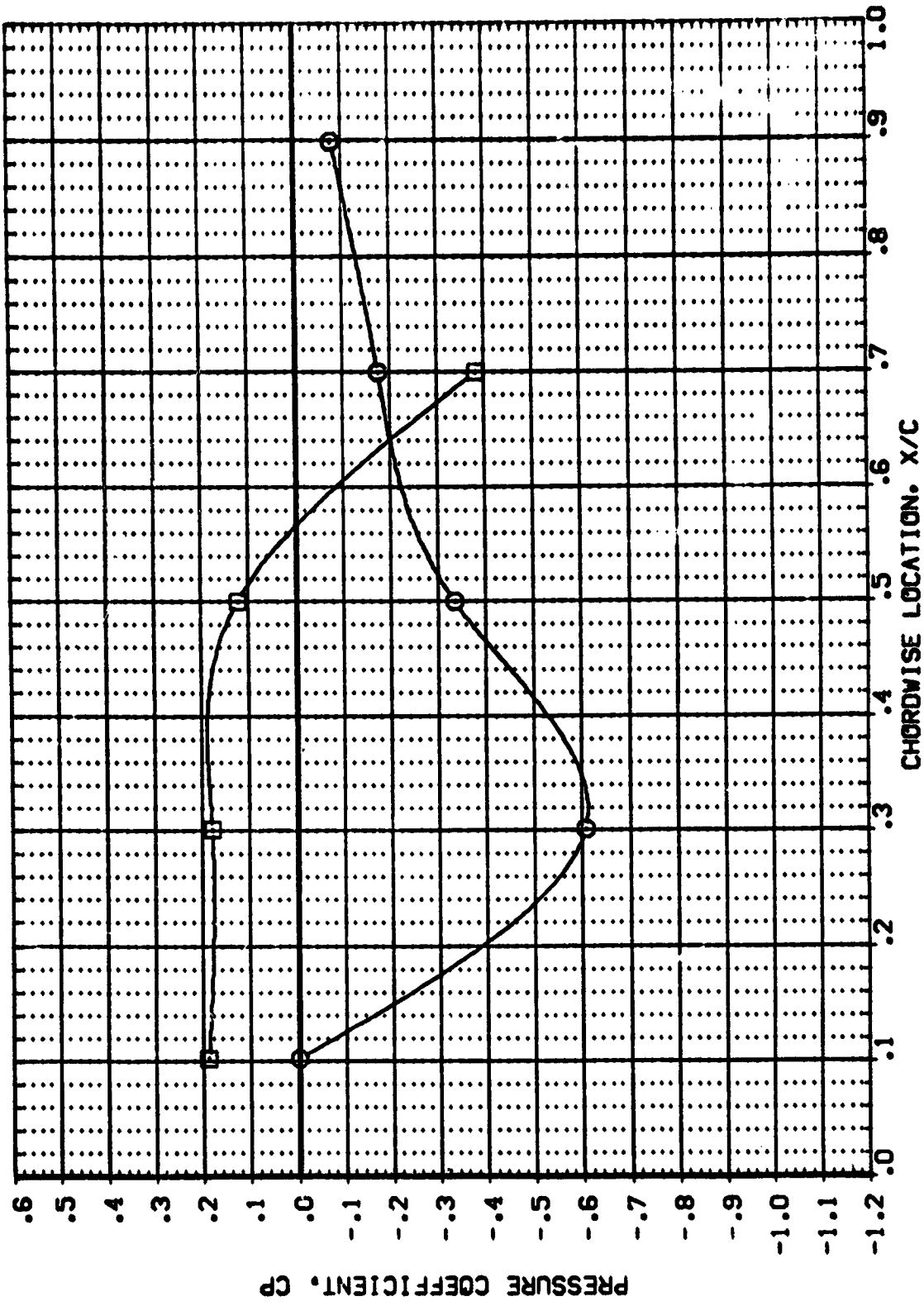


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = .899 BETA = -3.750 2Y/B = .500





DATA SET SYMB. CONFIGURATION DESCRIPTION  
 (NF4L03) 1AGB C1 F1  
 (NF4L03) 1AGB C1 F1

ALPHA .000  
 UPPER WING SURFACE .000  
 LOWER WING SURFACE .000

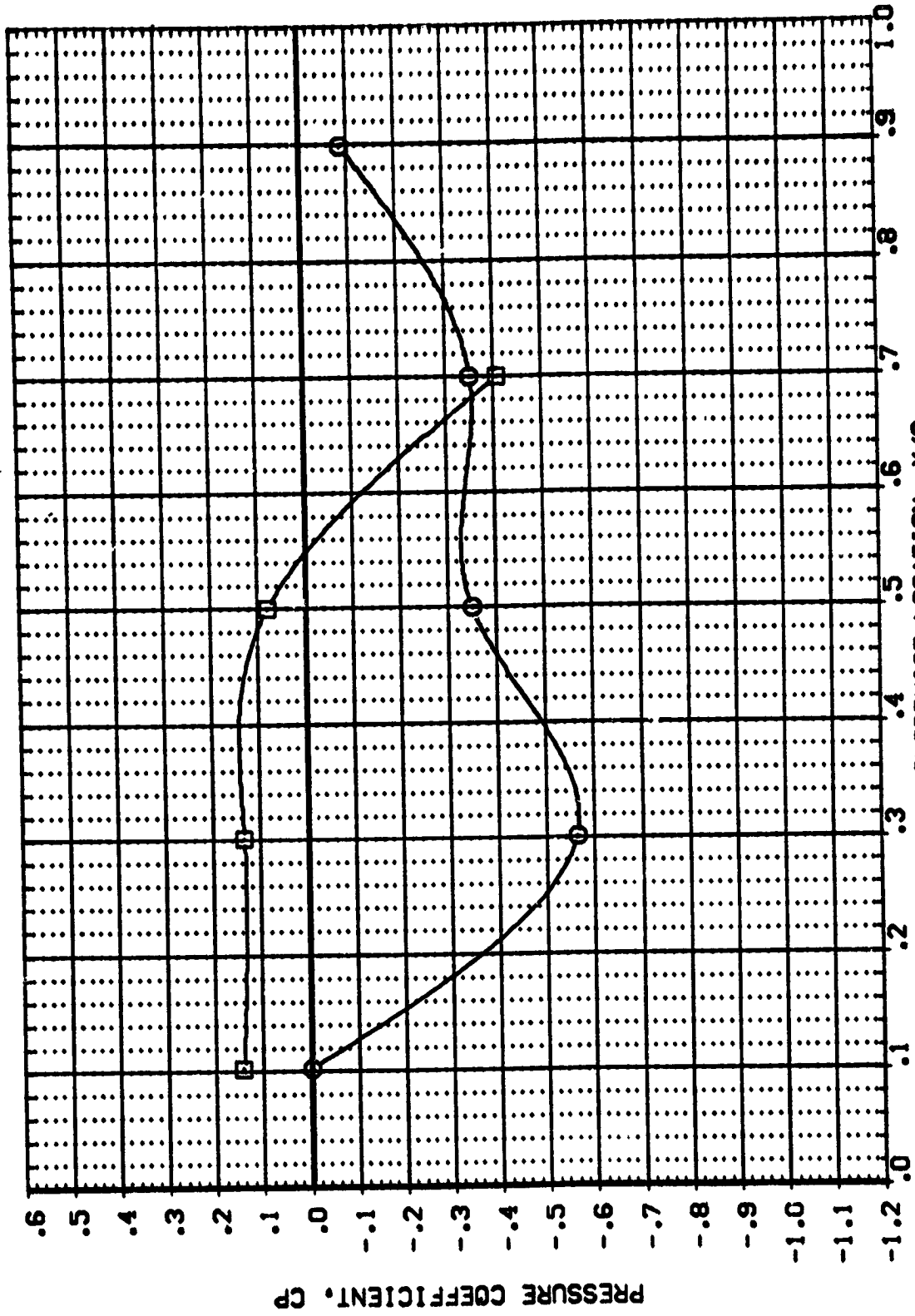


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = .899 BETA = -1.860  $2Y/B = .500$

DATA SET SYMBOL: (RF4L03) (RF4L03)  
 CONFIGURATION DESCRIPTION: (ASB C1 F1) (ASB C1 F1)

ALPHA: .000  
 UPPER WING SURFACE: .000  
 LOWER WING SURFACE: .000

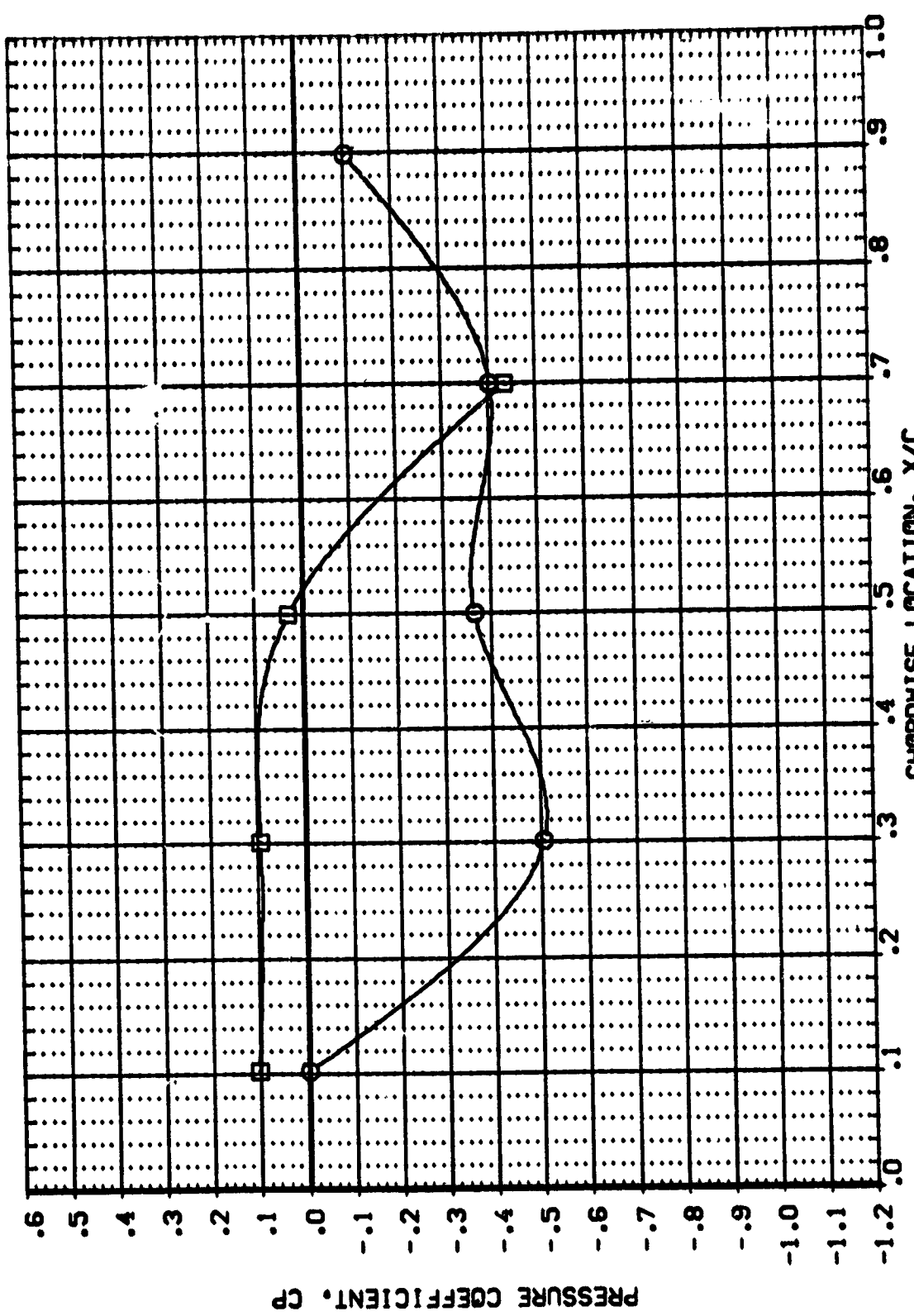


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = .899 BETA = .050  $2Y/B = .500$



DATA SET SYMBOL (NF-4103)  
 (NF-4103)

CONFIGURATION DESCRIPTION  
 UPPER WING SURFACE  
 LOWER WING SURFACE

ALPHA  
 .000  
 .000

1A88 C1 F1  
 1A88 C1 F1

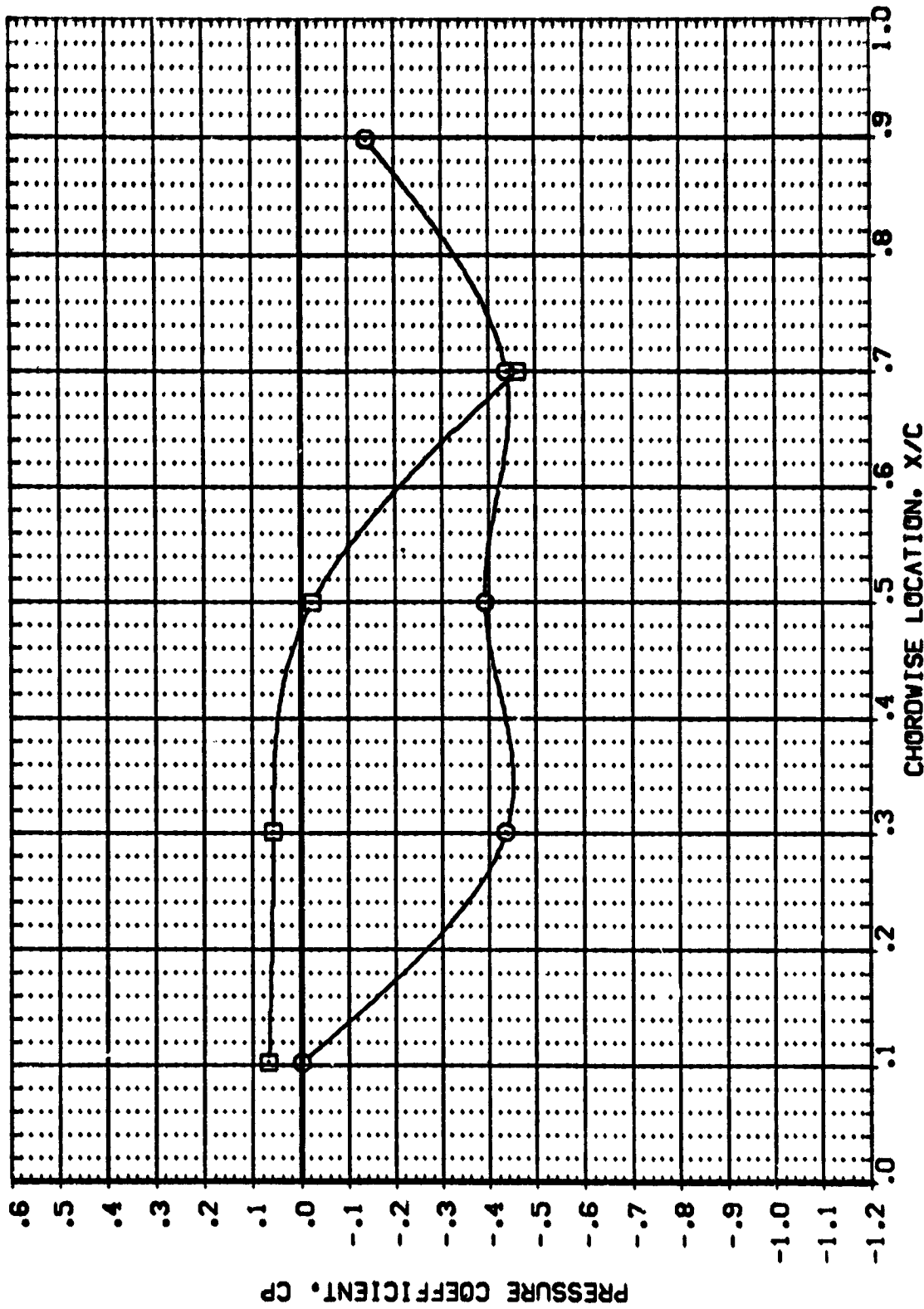


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = .899 BETA = 1.970  $2Y/B = .500$

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DATA SET SYMBOL: (RF4L03)  
 CONFIGURATION DESCRIPTION: IAGB C1 F1  
 UPPER WING SURFACE: IAGB C1 F1  
 LOWER WING SURFACE: IAGB C1 F1

ALPHA: .000

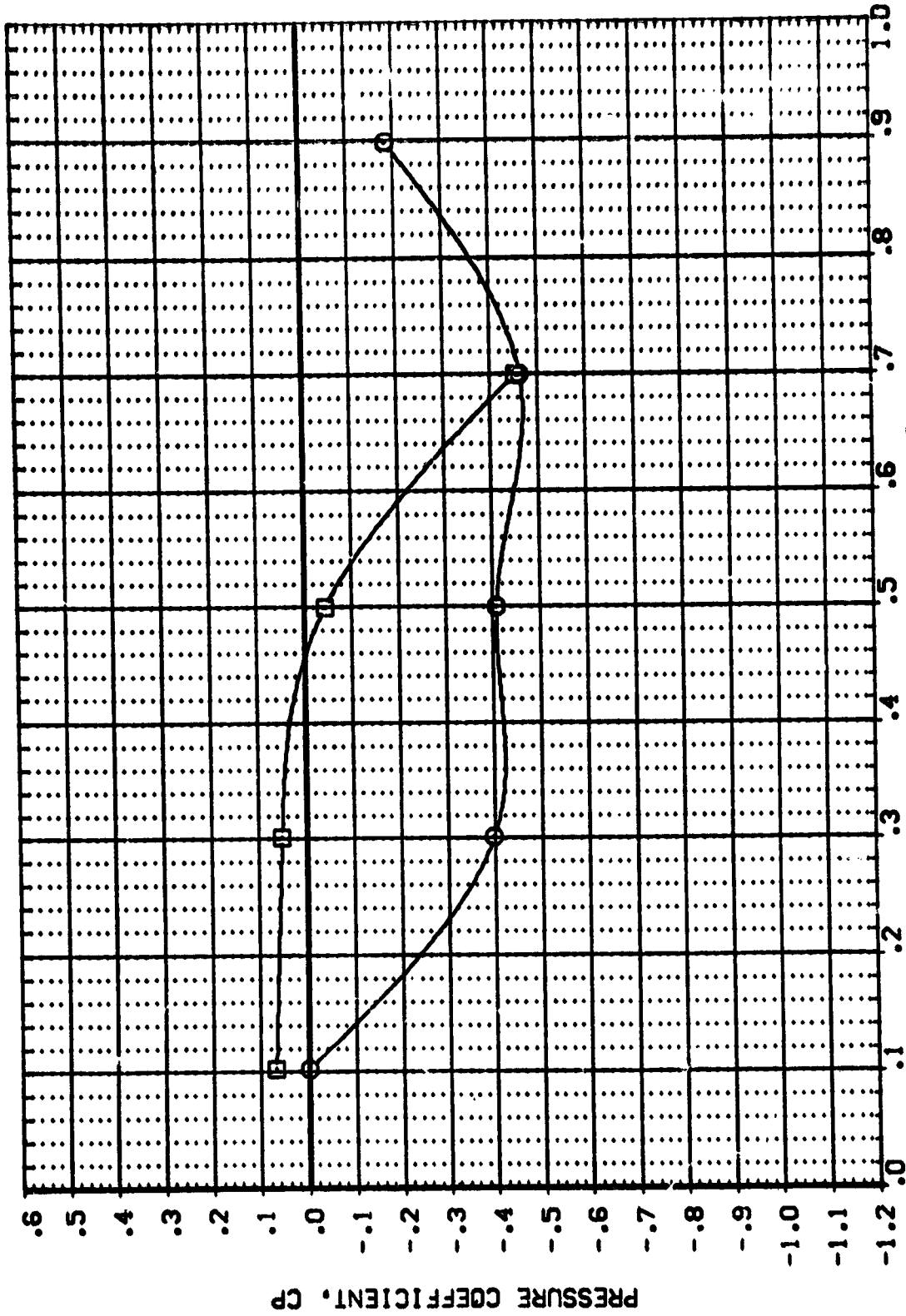


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = .699 BETA = 3.970  $2Y/B = .500$



DATA SET SYMB. (RF403) (RF403)  
 CONFIGURATION DESCRIPTION (IAGB C1 F1) (IAGB C1 F1)

ALPHA .000 .000  
 UPPER WING SURFACE  
 LOWER WING SURFACE

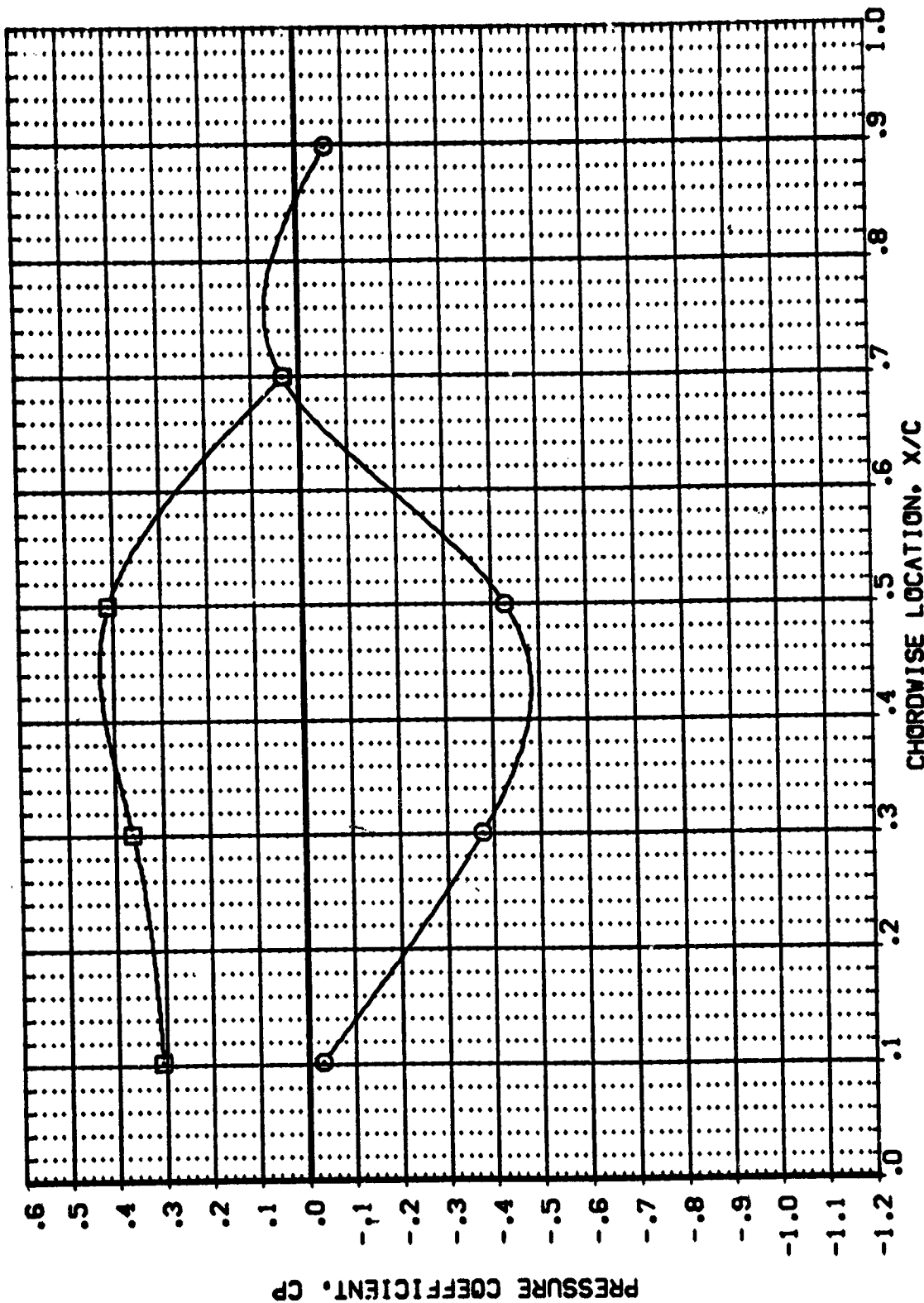


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = 1.211 BETA = -3.850  $2Y/B = .500$

DATA SET SYMBOL:  (RF4UG)  (RF4UG)  
 CONFIGURATION DESCRIPTION: IASB CI F I IASB CI F I  
 ALPHA: .000  
 UPPER WING SURFACE: .000  
 LOWER WING SURFACE: .000

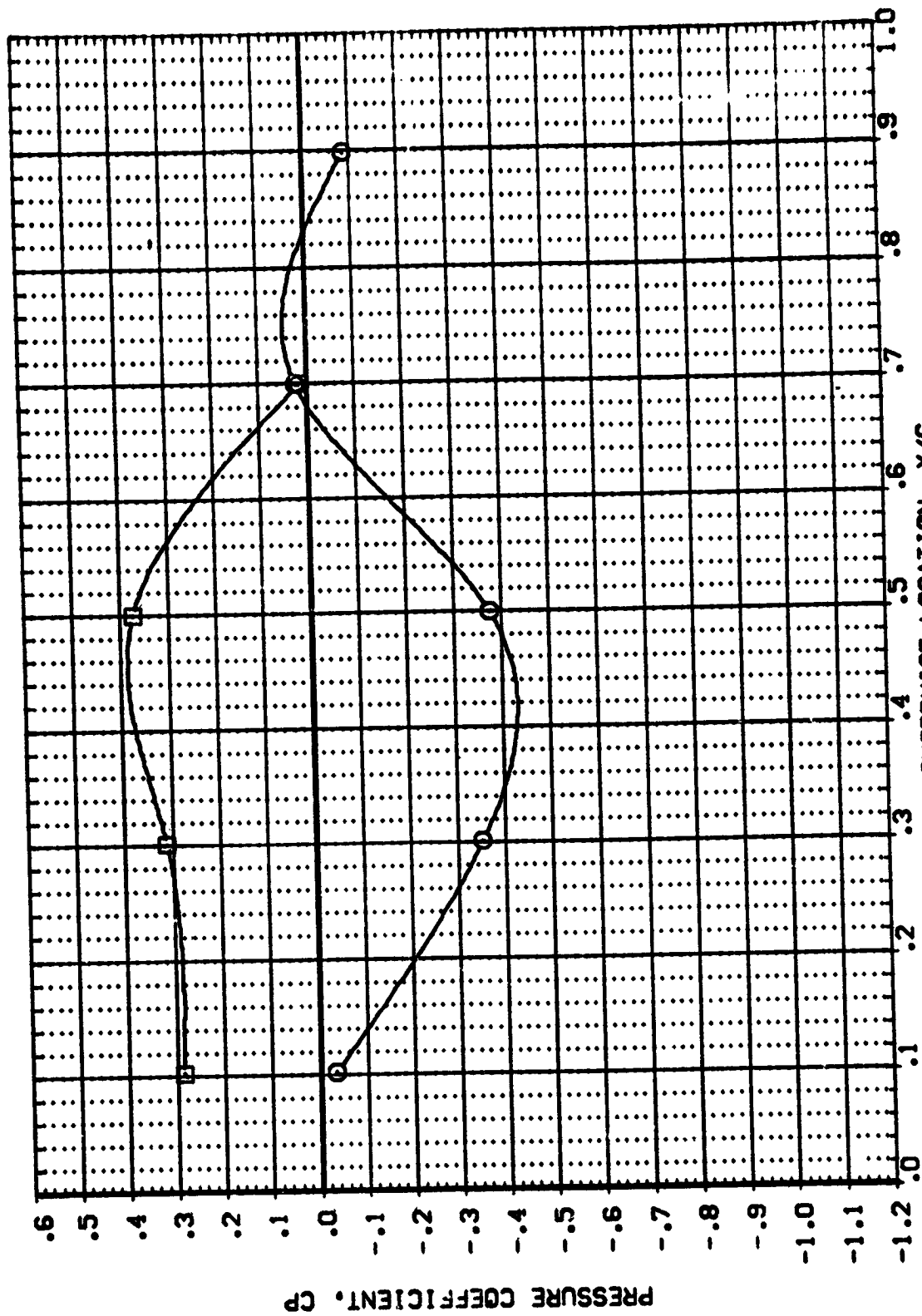


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.211 BETA = -1.900 2Y/B = .500



DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 (RF4UD3) IASB C1 F1  
 (RF4UD3) IASB C1 F1

UPPER WING SURFACE  
 LOWER WING SURFACE

ALPHA  
 .000  
 .000

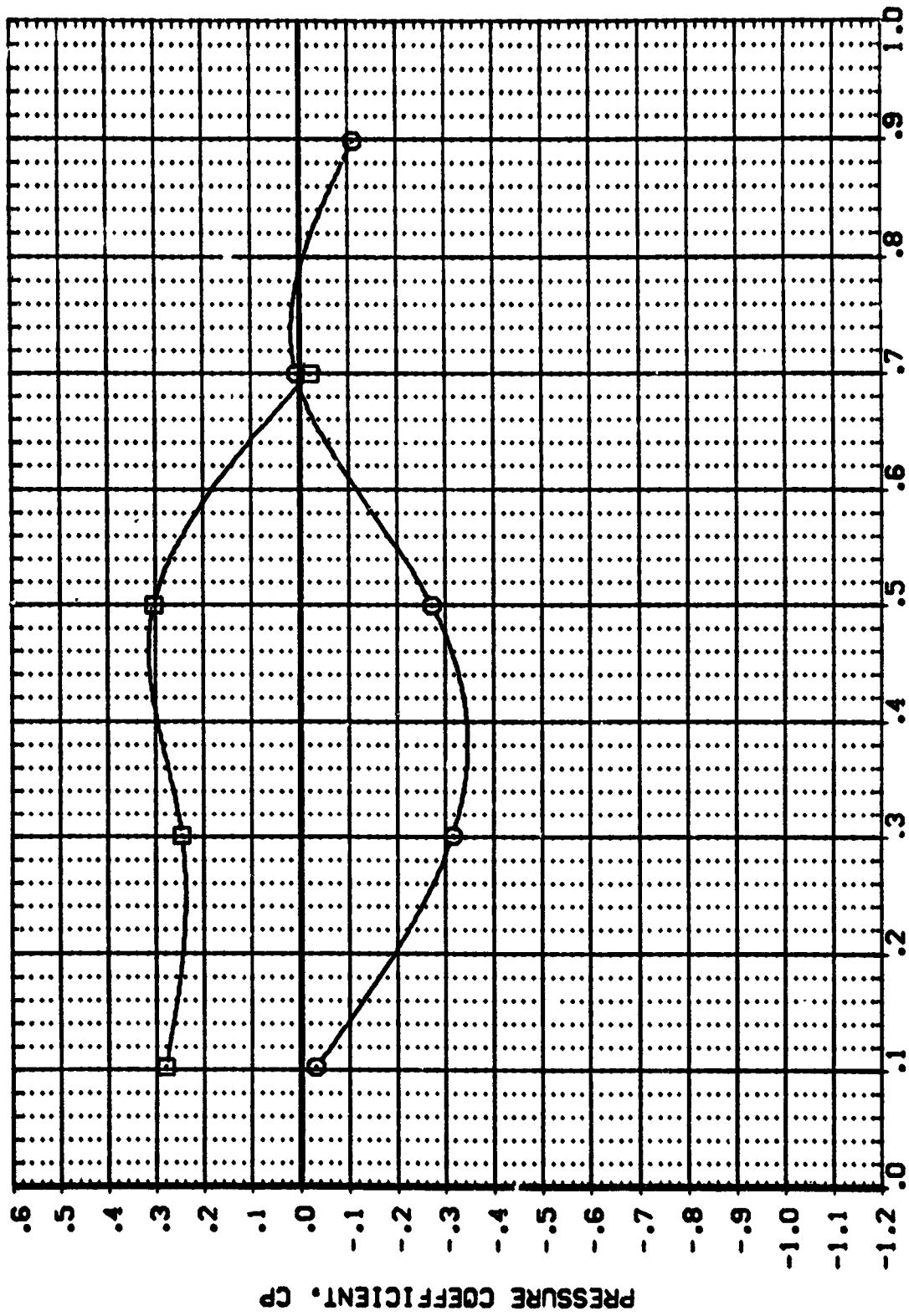


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.21; BETA = .000 2Y/B = .500

DATA SET SYMB. CONFIGURATION DESCRIPTION  
 (RF4L03) 1A58 C1 F1  
 (RF4L03) 1A58 C1 F1

ALPHA  
 .000  
 .000

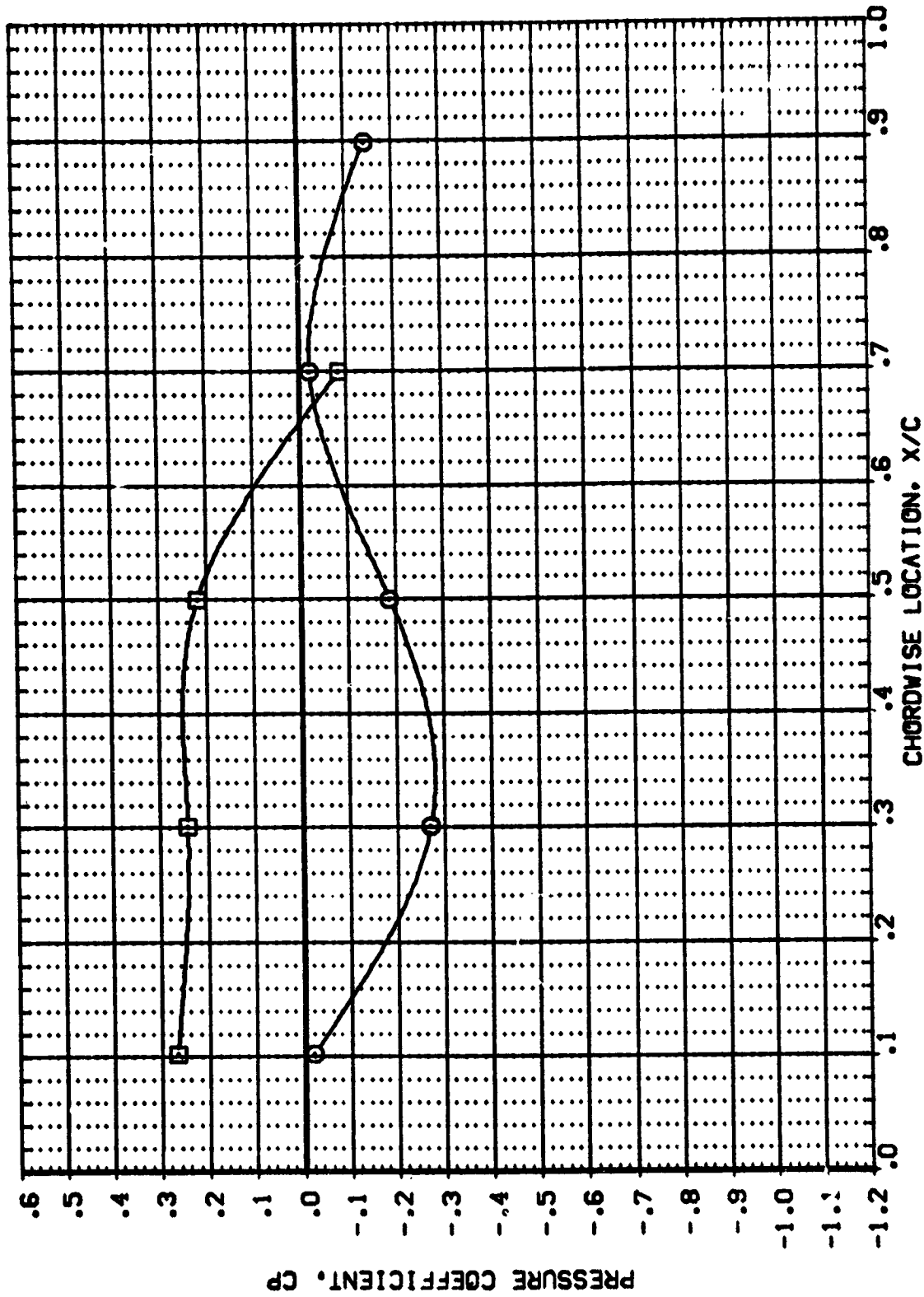


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.211 BETA = 1.900 2Y/B = .500





DATA SET SYMBOL. CONFIGURATION DESCRIPTION  
 (RFA403) (RFA403) □ 1A68 C1 F1  
 (RFA403) (RFA403) □ 1A68 C1 F1

ALPHA .000  
 UPPER WING SURFACE .000  
 LOWER WING SURFACE .000

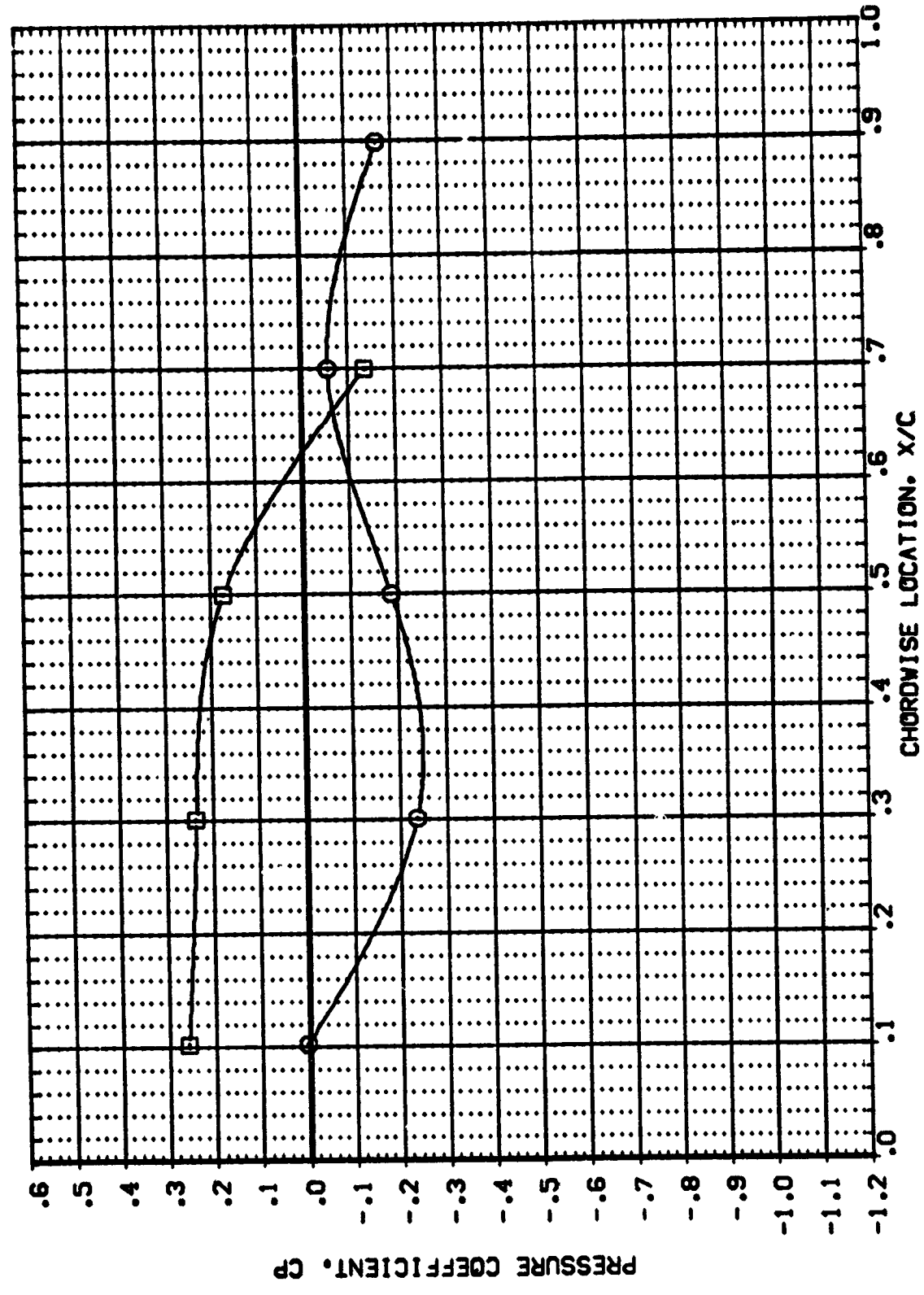


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.211 BETA = 3.920 2Y/B = .500

DATA SET SYMBOL (RF403)  $\square$  CONFIGURATION DESCRIPTION (A68 C1 F1) UPPER WING SURFACE ALPHA .000 LOWER WING SURFACE .000

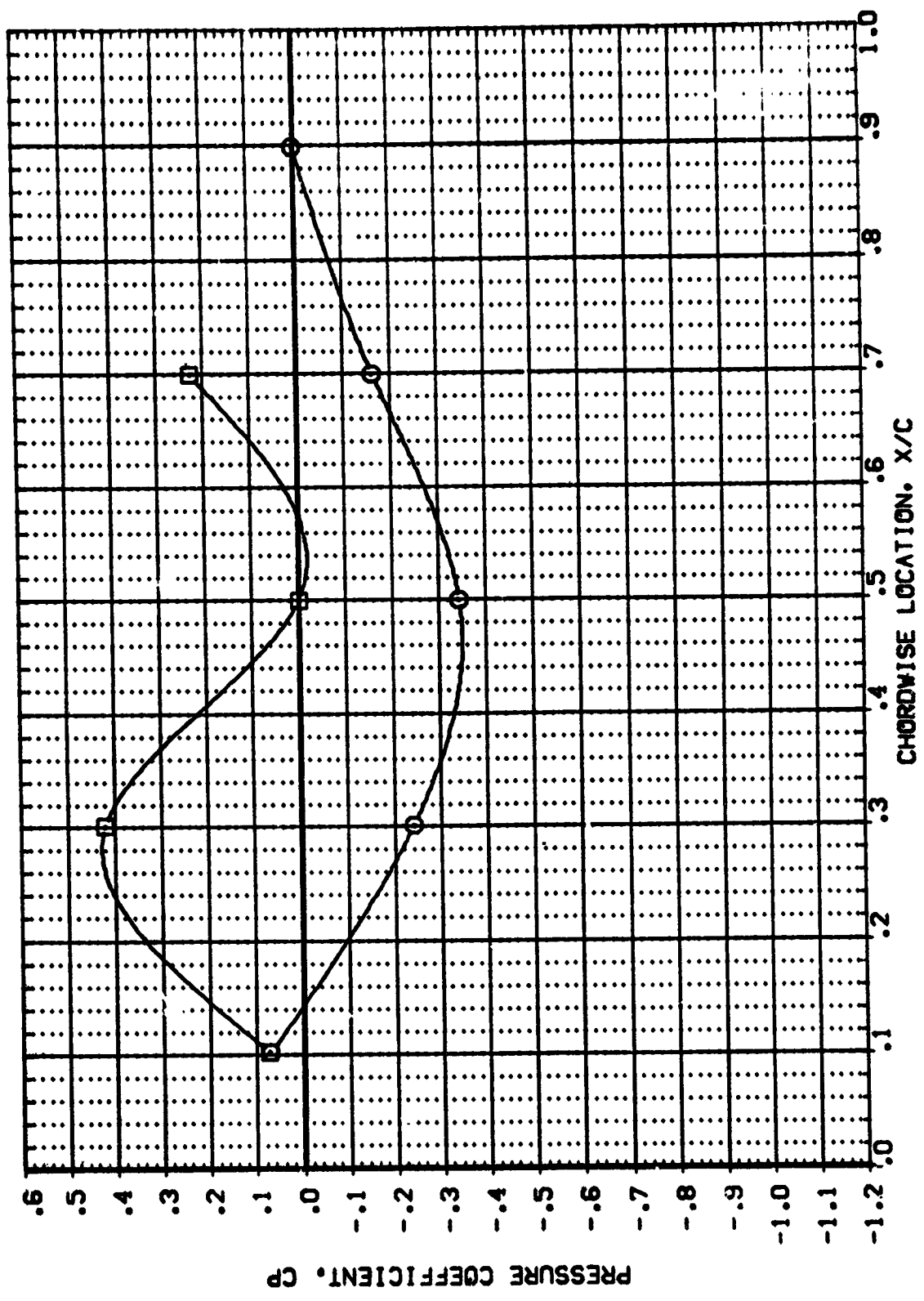


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = 1.503 BETA = -3.910  $2Y/B = .500$



DATA SET SYMB. (RFA03) (RFA03)  
 CONFIGURATION DESCRIPTION (RFA03) (RFA03)  
 UPPER WING SURFACE (RFA03) (RFA03)  
 LOWER WING SURFACE (RFA03) (RFA03)

ALPHA .000  
 .000

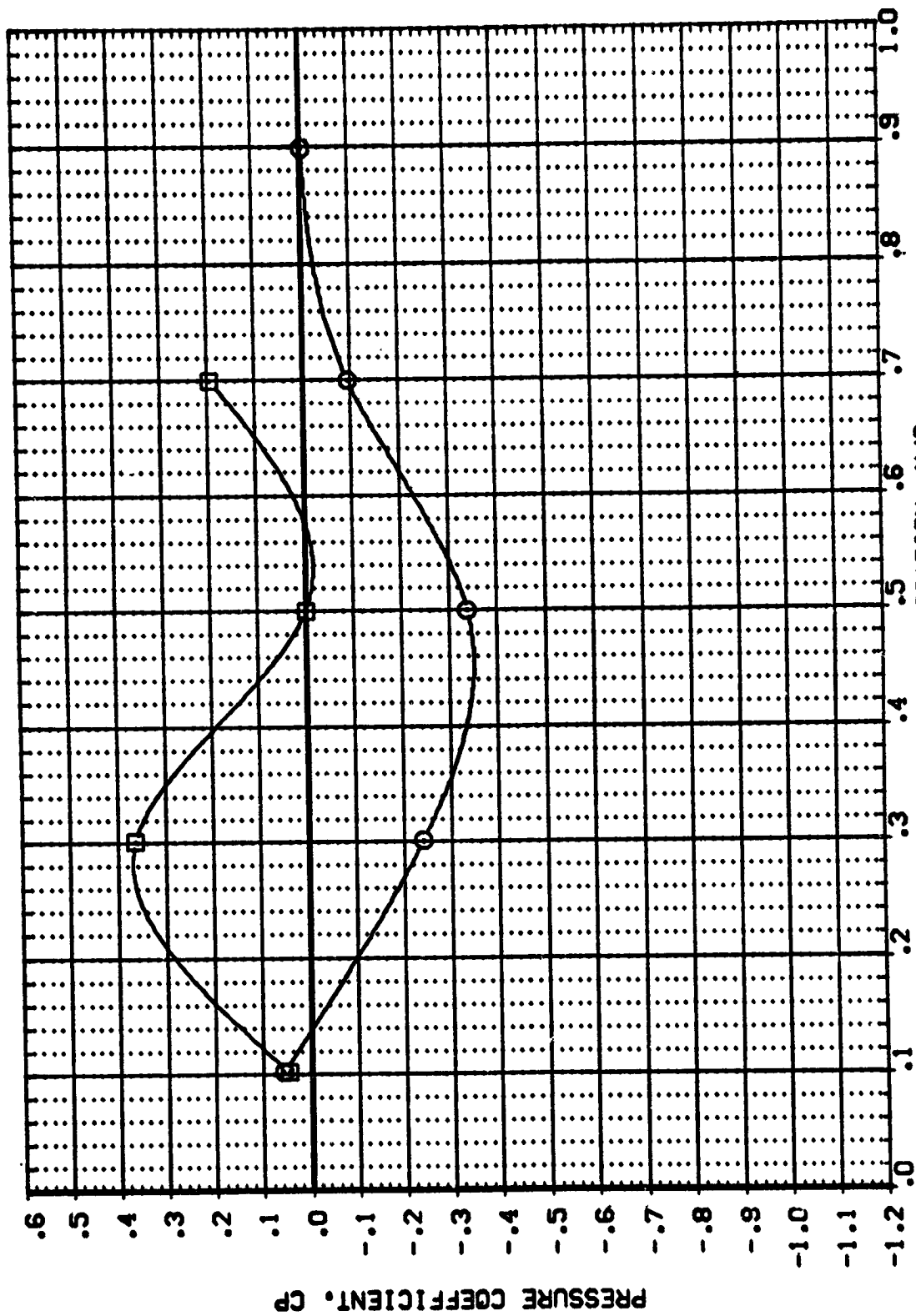


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = 1.503 BETA = -1.980  $2Y/B = .500$

DATA SET SYMBOL: 1A88 C1 F1  
 (R4L03) 1A88 C1 F1

CONFIGURATION DESCRIPTION:  
 UPPER WING SURFACE  
 LOWER WING SURFACE

ALPHA: .000

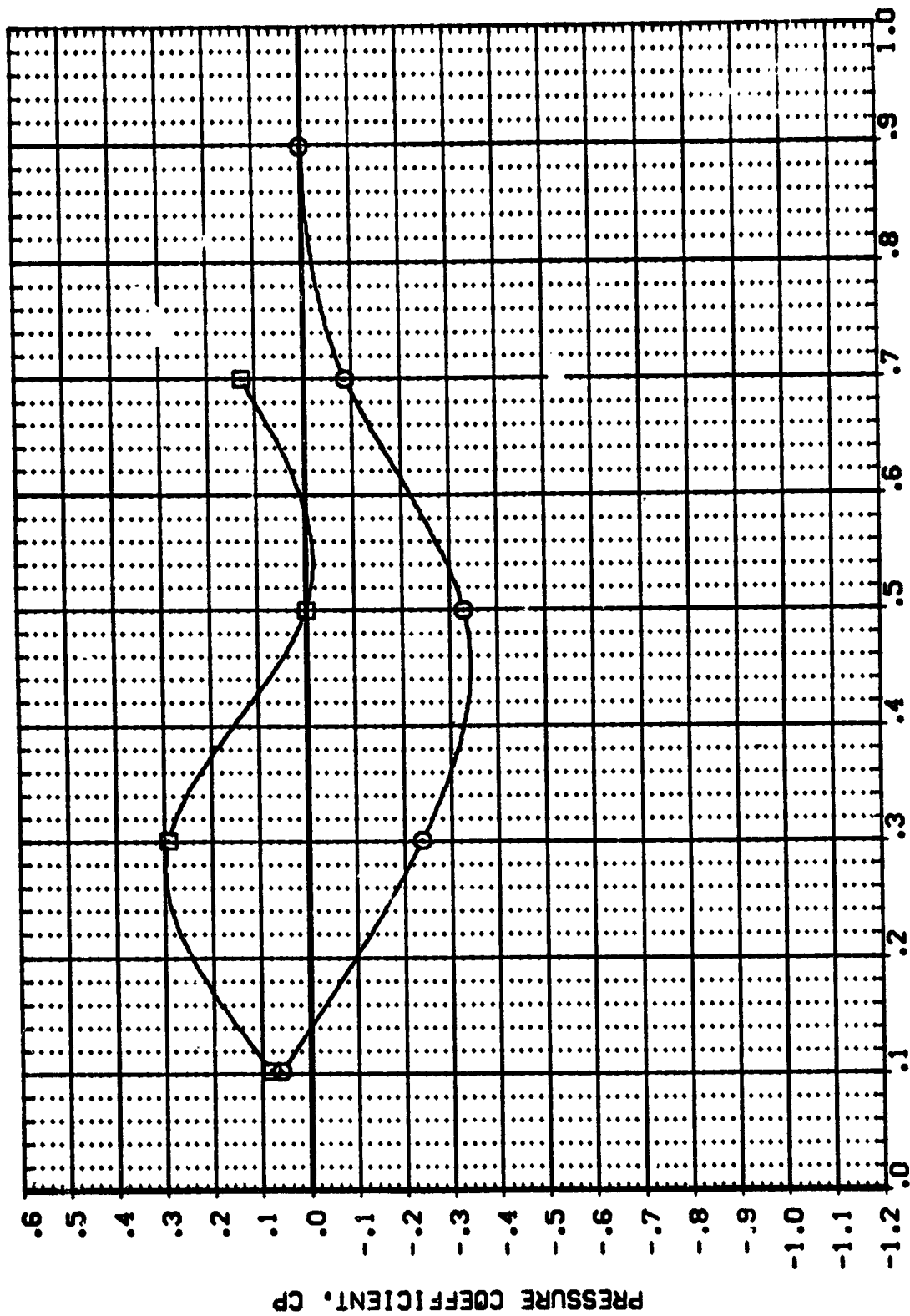


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.503 BETA = -0.070 2Y/B = .500



DATA SET SYMBL. CONFIGURATION DESCRIPTION ALPHA  
 (RF4L03) (RF4L03) 1A58 C1 F1 UPPER WING SURFACE :000  
 (RF4L03) (RF4L03) 1A58 C1 F1 LOWER WING SURFACE :000

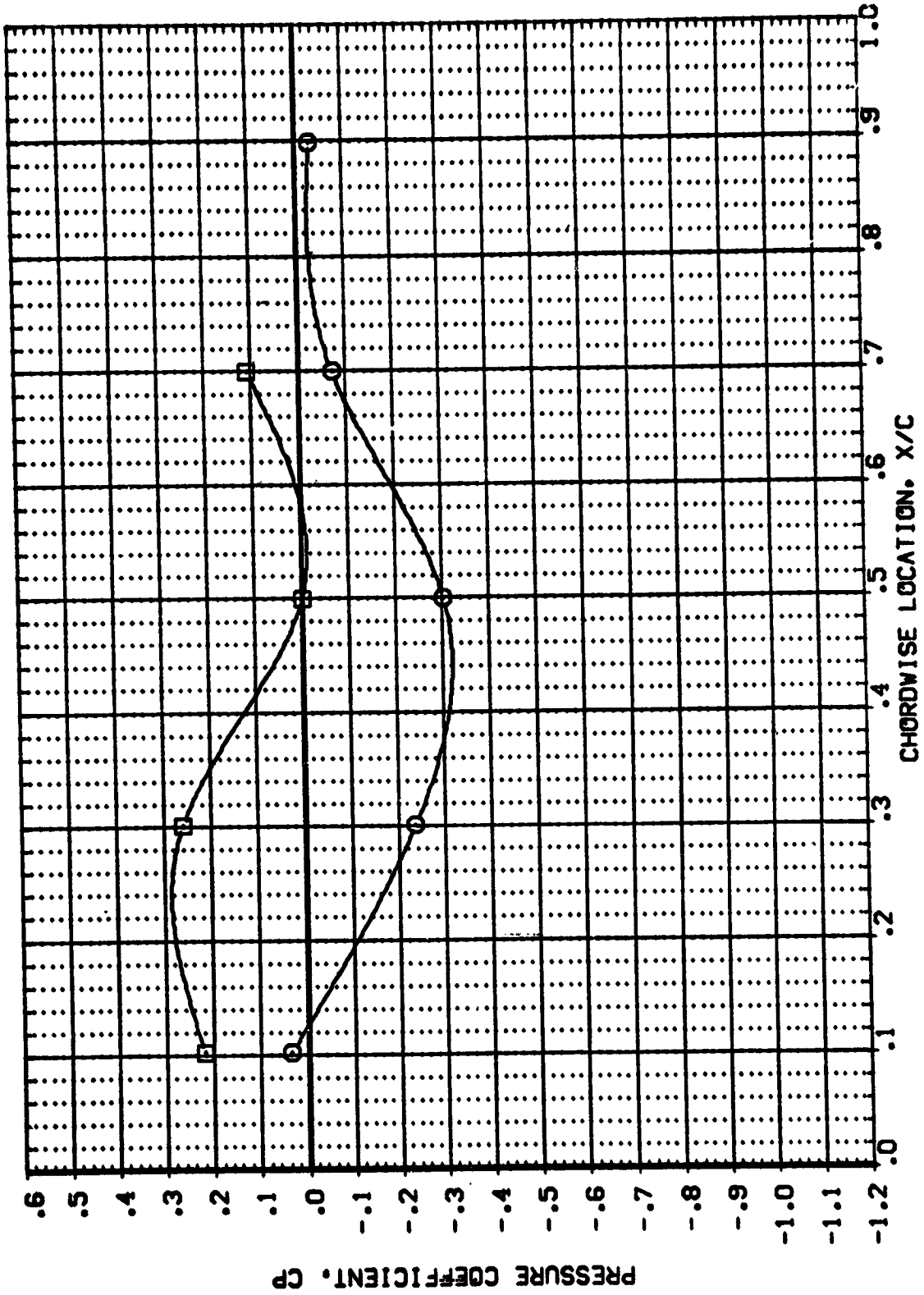


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.503 BETA = 1.910 2Y/B = .500

DATA SET SYMBOL: (RF4L03) (RF4L03) ALPHA: .000  
 CONFIGURATION DESCRIPTION: UPPER WING SURFACE LOWER WING SURFACE  
 1A58 C1 F1 1A58 C1 F1

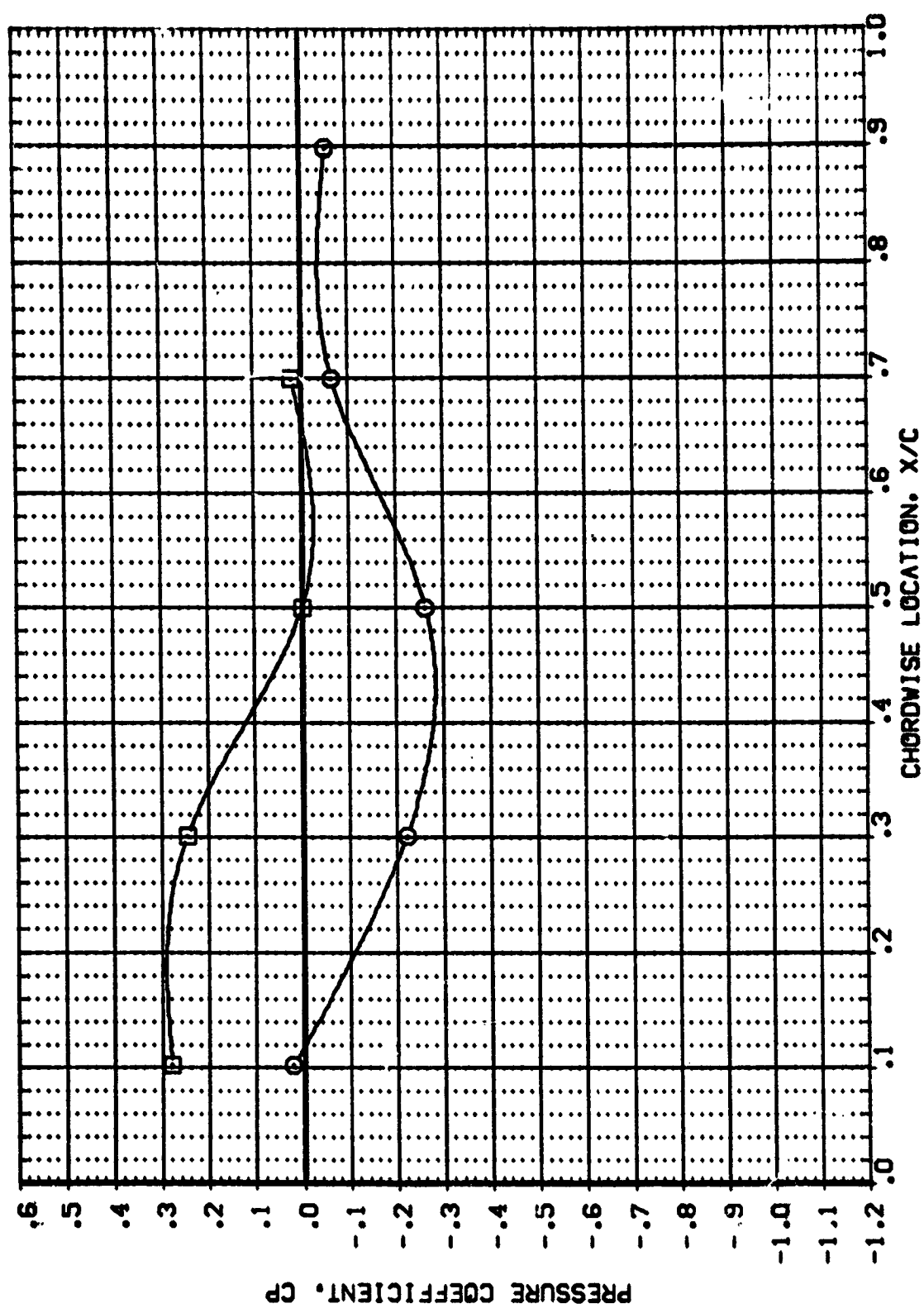


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.503 BETA = 3.980 2Y/B = .500



DATA SET SYMBOL. CONFIGURATION DESCRIPTION  
 (RF4L03) IAGB C1 F1  
 (RF4L03) IAGB C1 F1

UPPER WING SURFACE  
 LOWER WING SURFACE

ALPHA  
 .000  
 .000

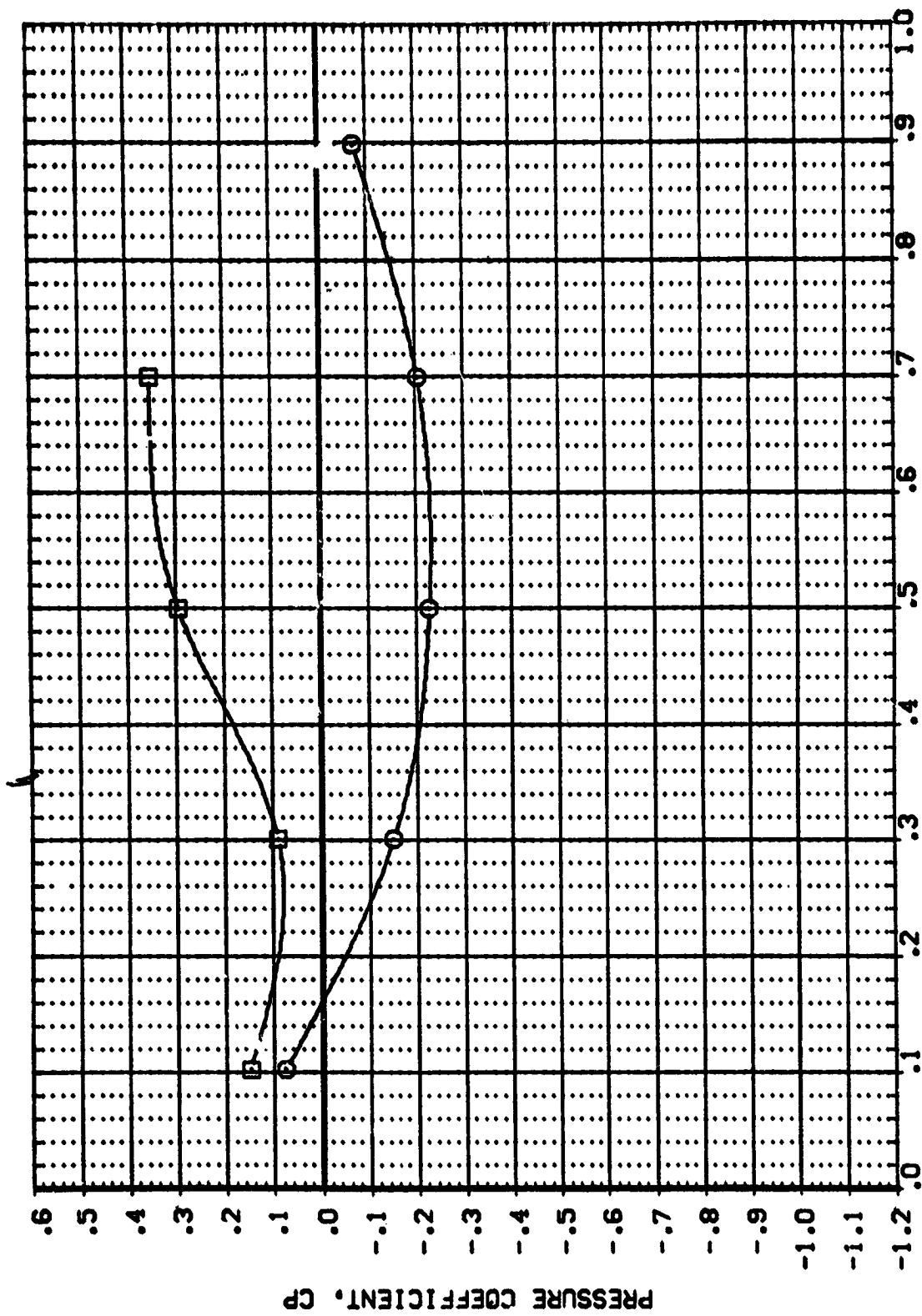


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.991 BETA = -3.830 2Y/B = .500

DATA SET SYMB. (R4L03) (R4L03)  
 CONFIGURATION DESCRIPTION (ASB C1 F1) (ASB C1 F1)

ALPHA .000  
 UPPER WING SURFACE .000  
 LOWER WING SURFACE .000

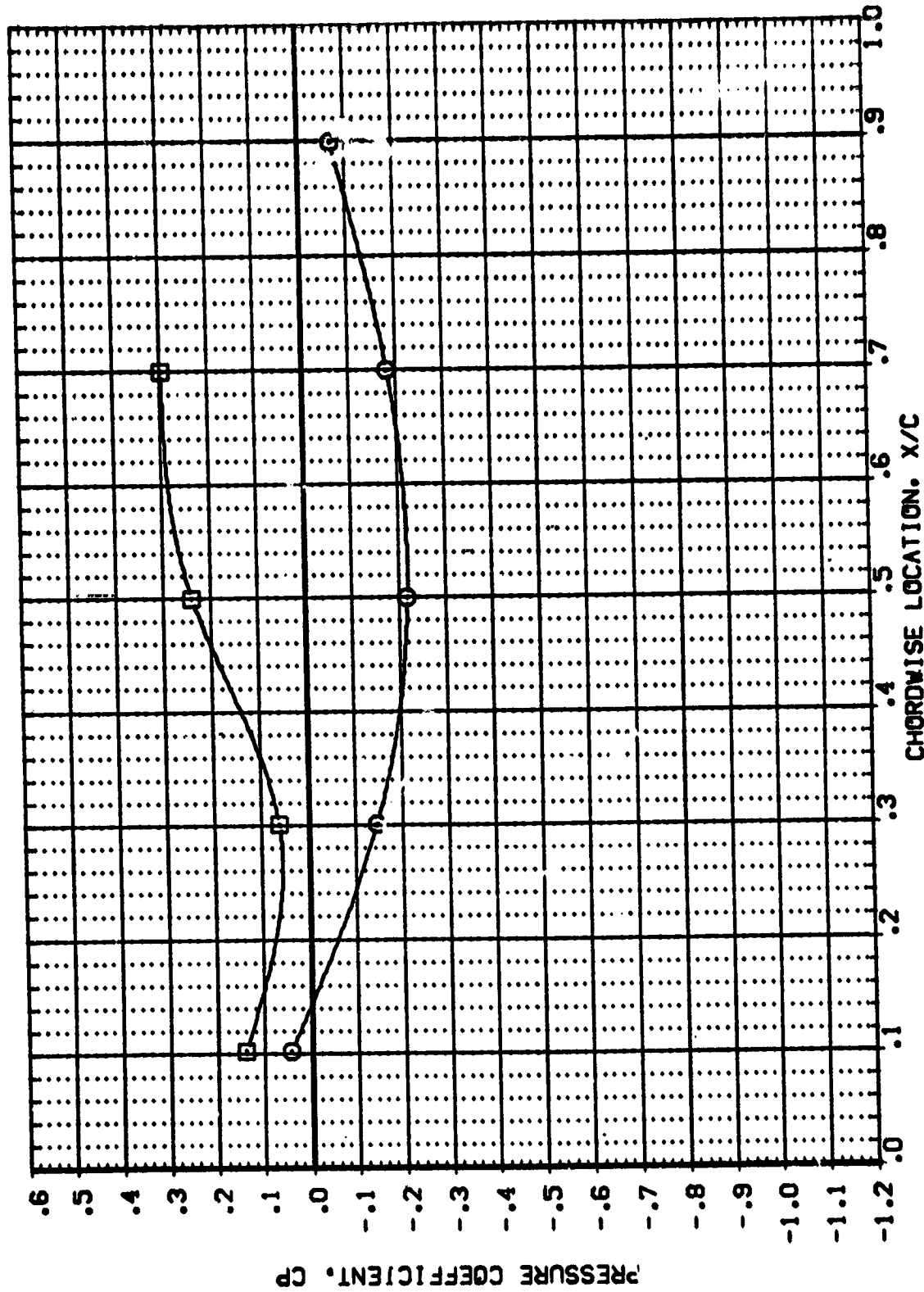


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.991 BETA = -1.900 2Y/B = .500





DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (R4L03) (R4L03) IASB C1 F1 IASB C1 F1

ALPHA .000  
 UPPER WING SURFACE .000  
 LOWER WING SURFACE .000

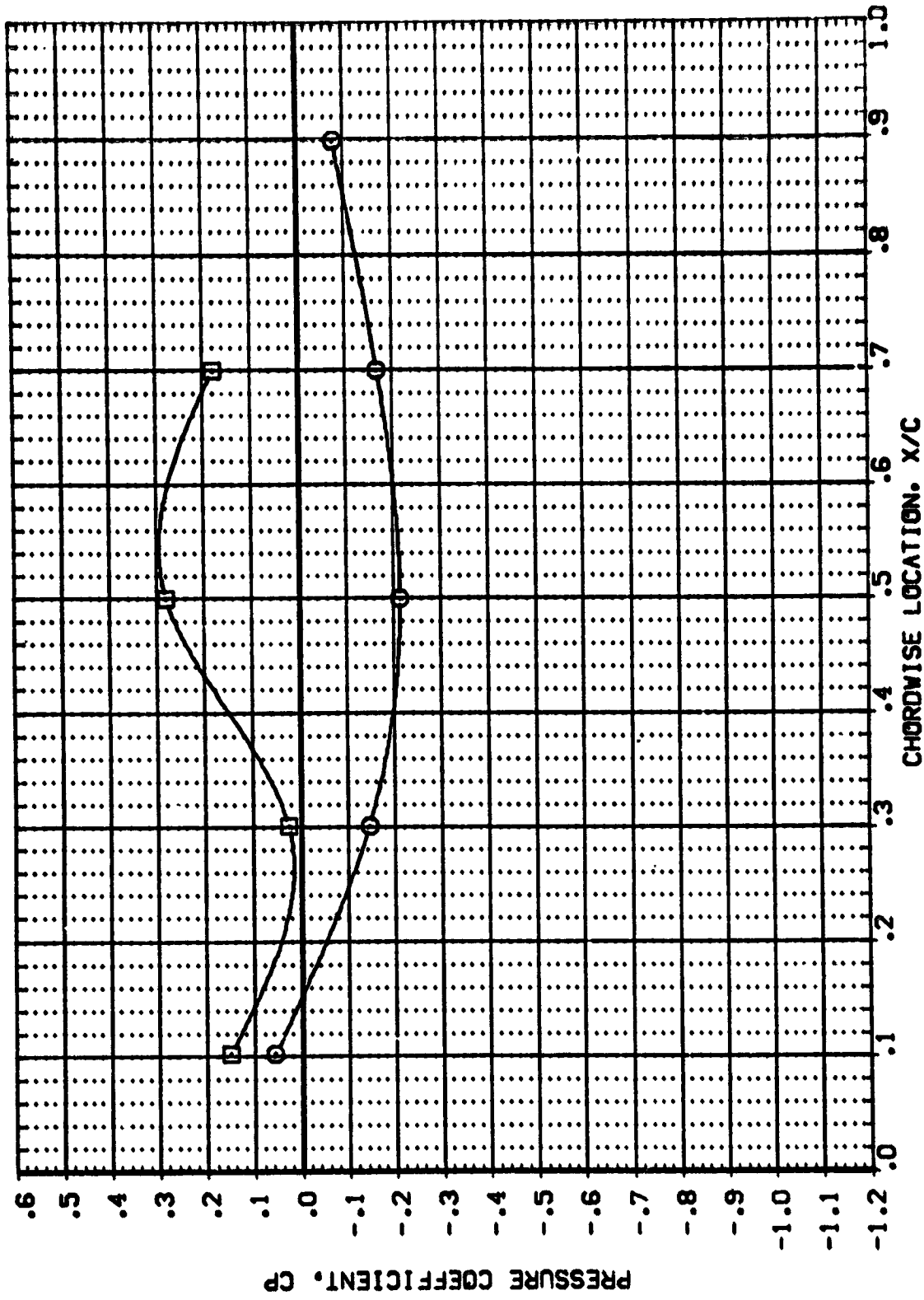


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = 1.991 BETA = .050  $2Y/B = .500$



DATA SET SYMB. CONFIGURATION DESCRIPTION  
 [R4UG3] 1A88 C1 F1  
 [R4UD3] 1A88 C1 F1

ALPHA .000  
 UPPER WING SURFACE .000  
 LOWER WING SURFACE .000

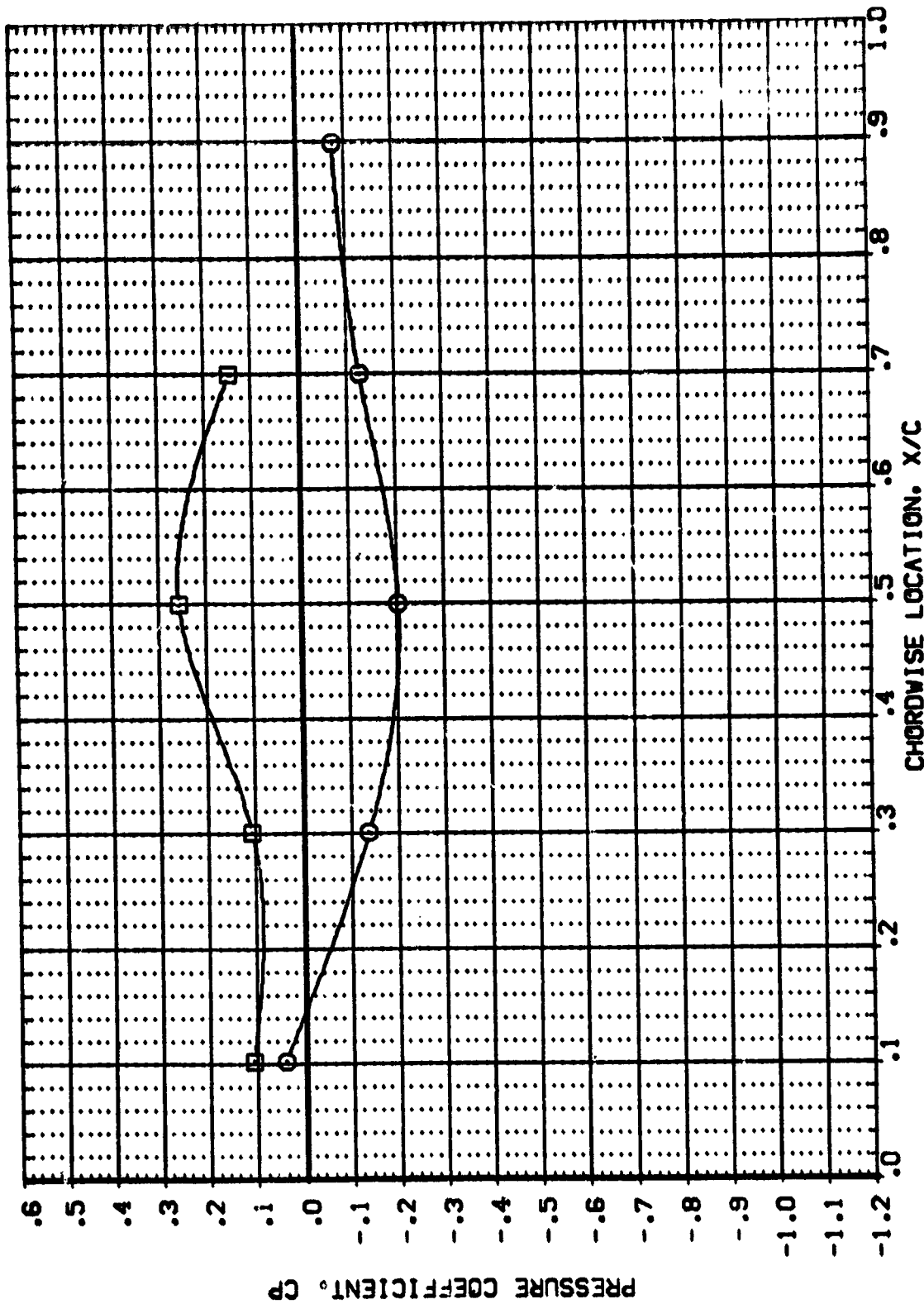


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT  $2Y/B = 0.50$

MACH = 1.991 BETA = 2.020  $2Y/B = .500$



DATA SET SYMBO. CONFIGURATION DESCRIPTION

(REF-LOG) (REF-LOG)  
□ IAGB C1 F1  
○ IAGB C1 F1

ALPHA  
UPPER WING SURFACE .000  
LOWER WING SURFACE .000

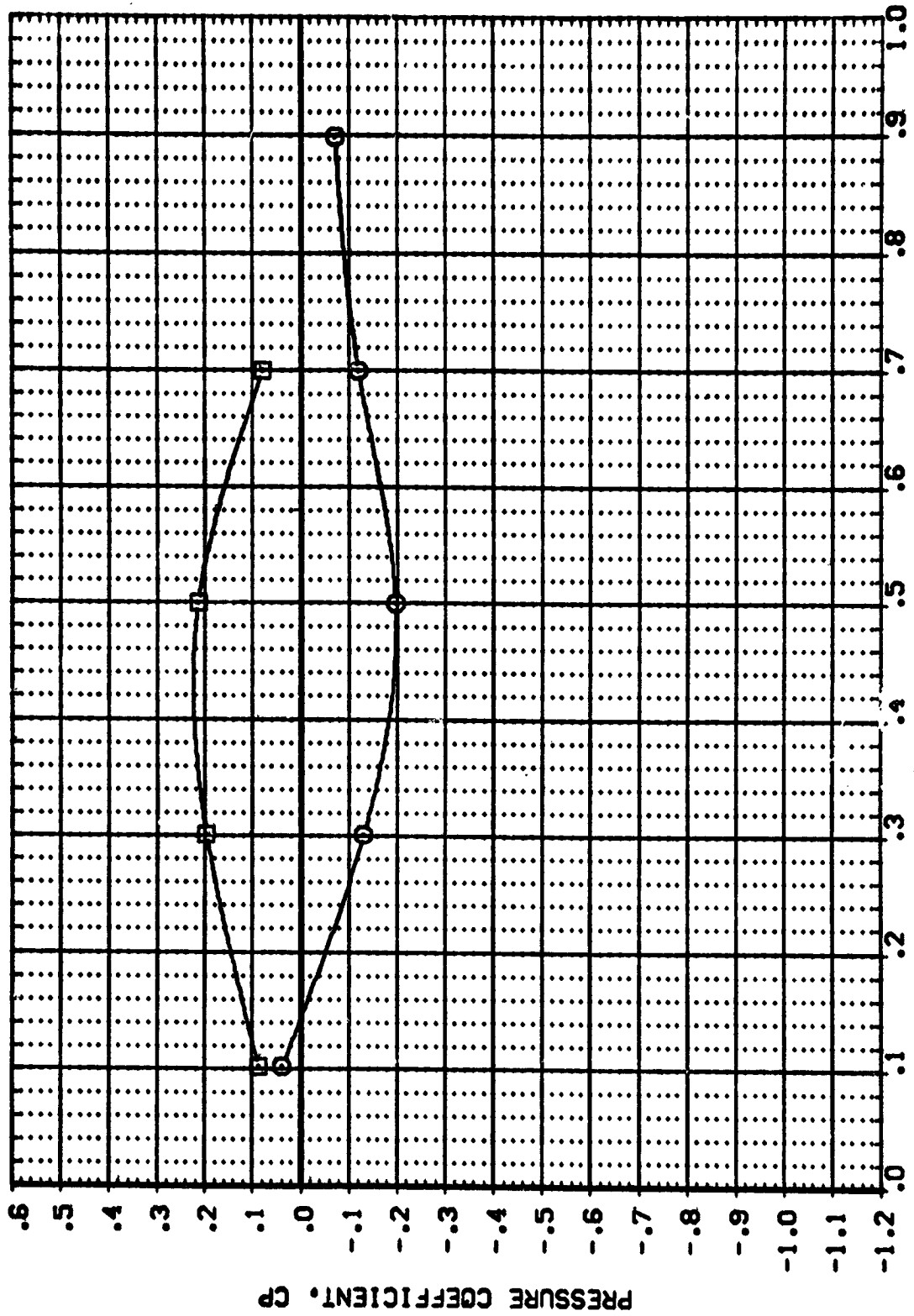


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.991 BETA = 3.890 2Y/B = .500

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (RF4LO1) □ 1A58 C1 F1  
 (RF4LO1) □ 1A58 C1 F1

UPPER WING SURFACE  
 LOWER WING SURFACE

BETA

.000

.000

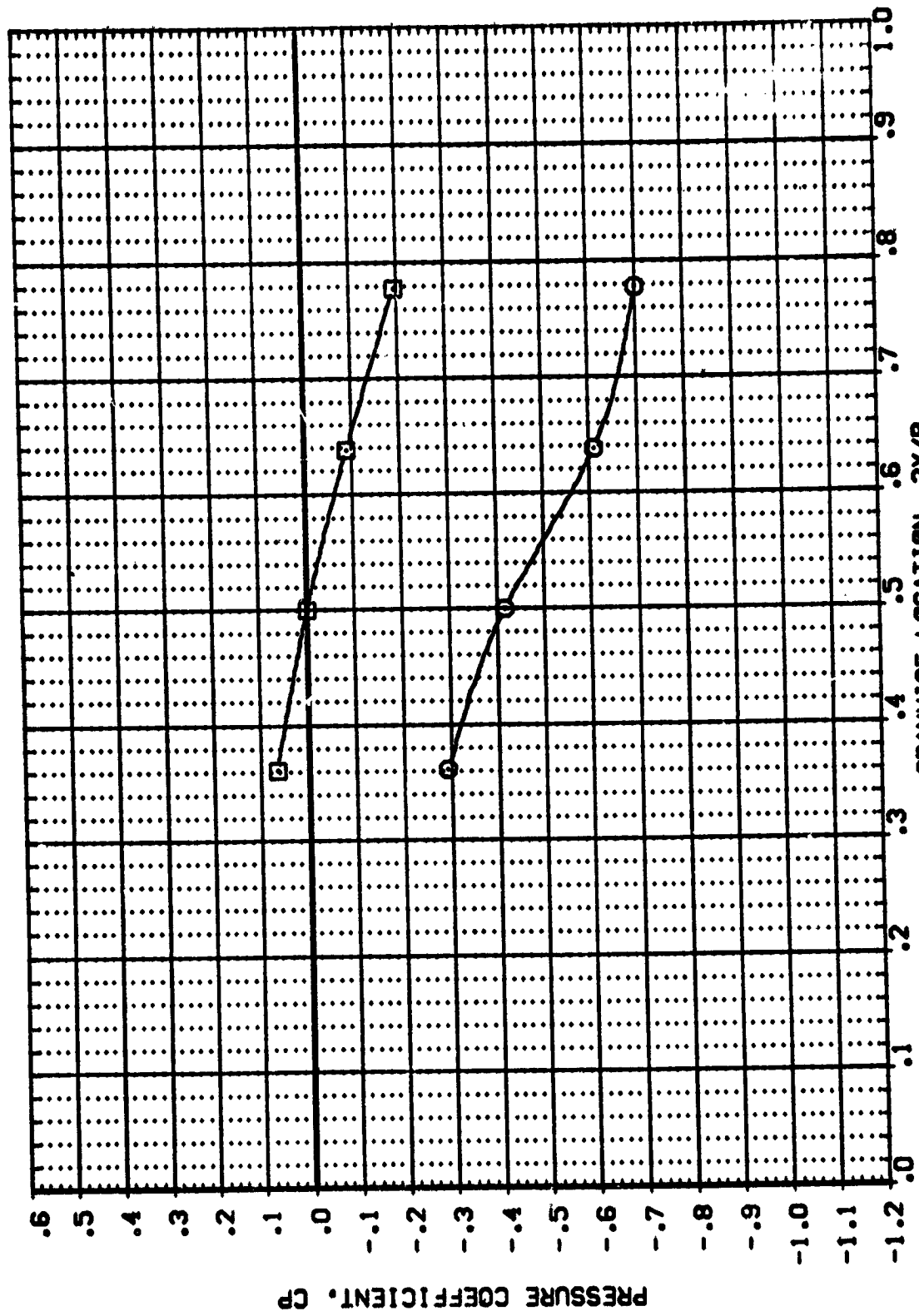


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .863 ALPHA = .000 X/C = .500



DATA SET SYMBOL: [Symbol] CONFIGURATION DESCRIPTION:  
 (RF4L02) [Symbol] 1A58 C1 F1  
 (RF4L02) [Symbol] 1A58 C1 F1

BETA: .000  
 UPPER WING SURFACE: .000  
 LOWER WING SURFACE: .000

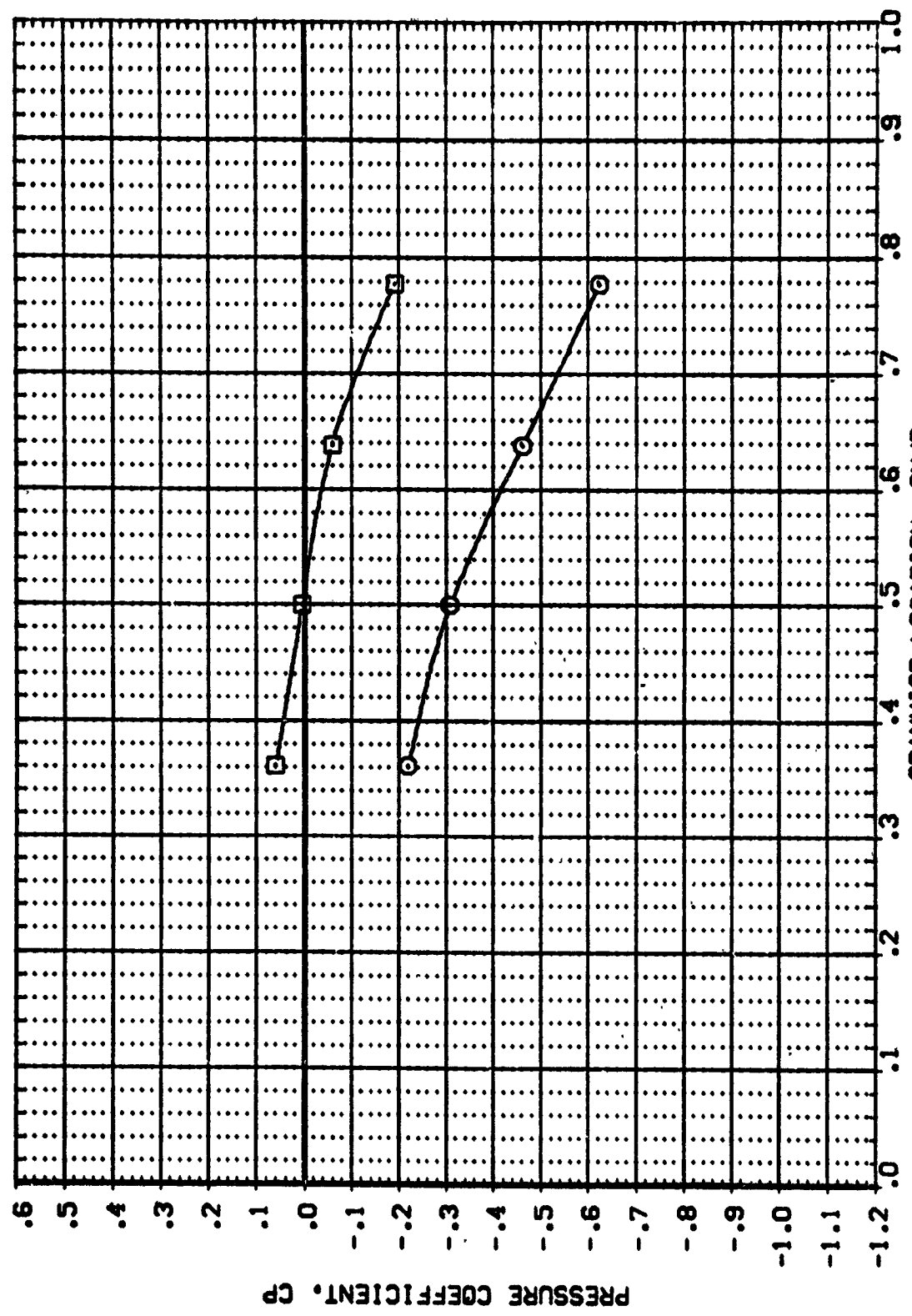


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .896 ALPHA = -4.000 X/C = .500

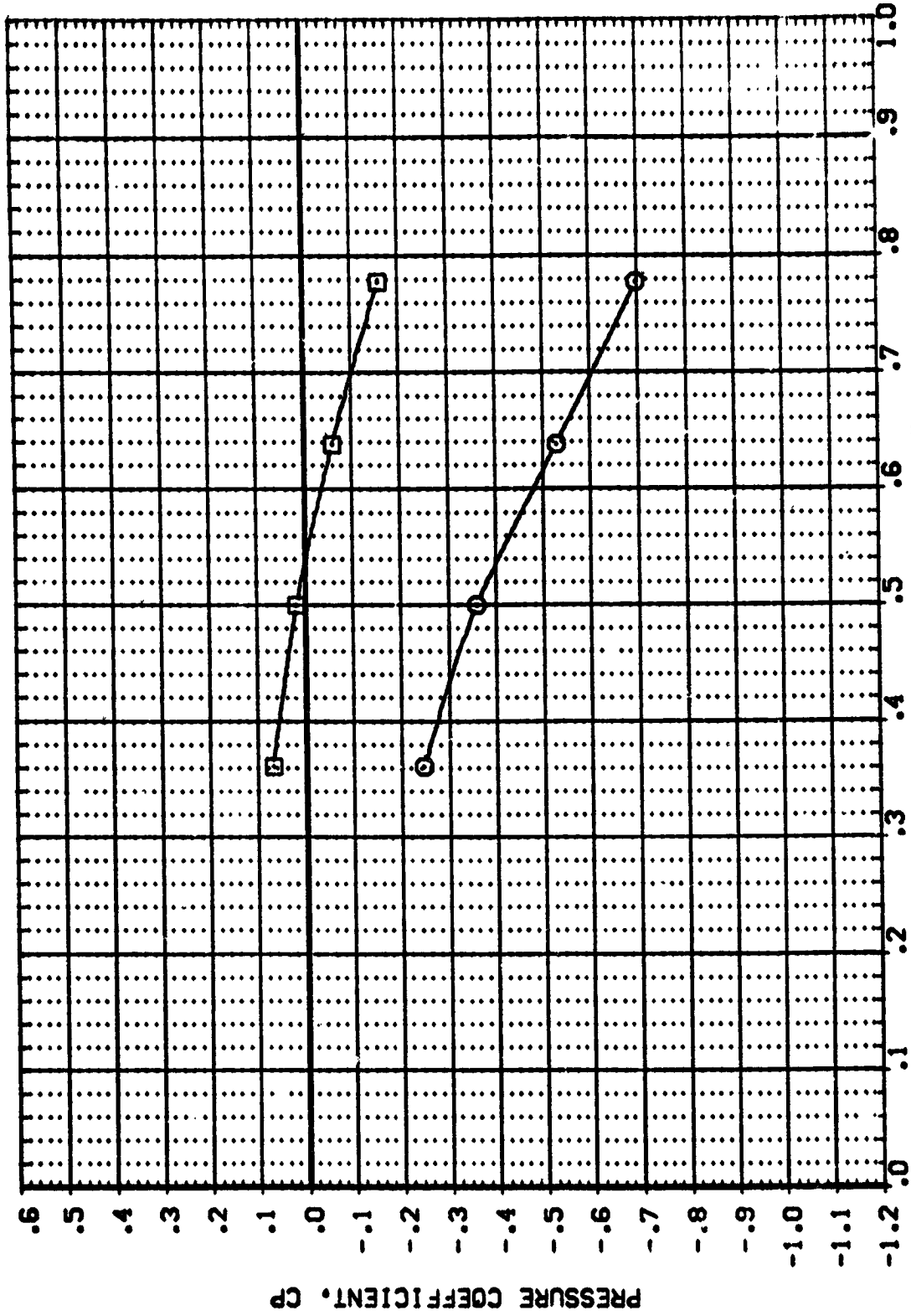
DATA SET SYMBOL. CONFIGURATION DESCRIPTION

1A6B C1 F1  
1A6B C1 F1

UPPER WING SURFACE  
LOWER WING SURFACE

BETA

.000  
.000



SPANWISE LOCATION, 2Y/B

FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .896 ALPHA = -2.000 X/C = .500



DATA SET SYMBOL: [A] CONFIGURATION DESCRIPTION: [A] UPPER WING SURFACE: [A] LOWER WING SURFACE: [A]

BETA: .000

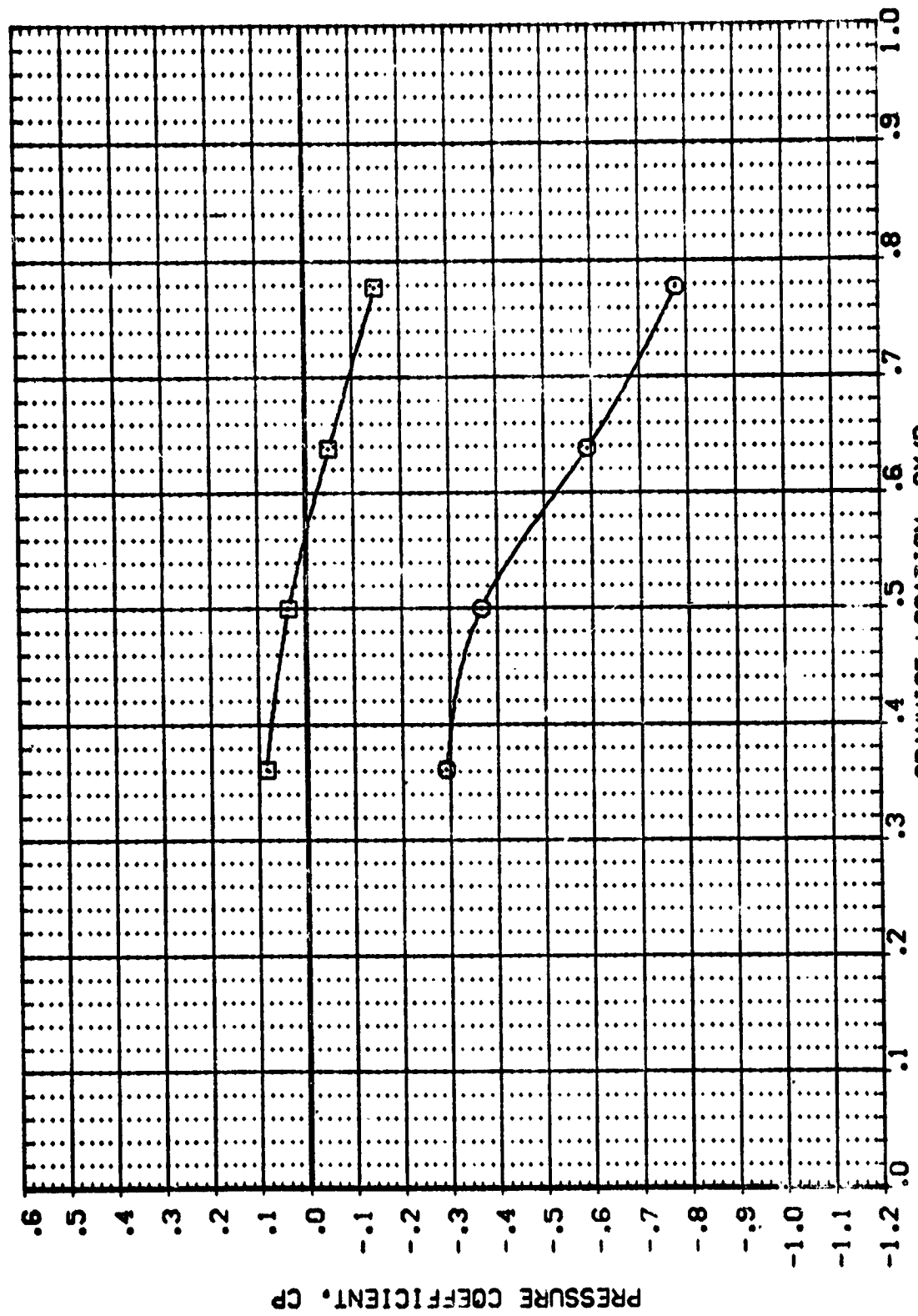


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .896 ALPHA = -.090 X/C = .500

DATA SET SYMBOL: (RF4U02) (RF4L02)  
 CONFIGURATION DESCRIPTION: 1A68 C1 F1 1A68 C1 F1

UPPER WING SURFACE  
 LOWER WING SURFACE

BETA  
 .000  
 .000

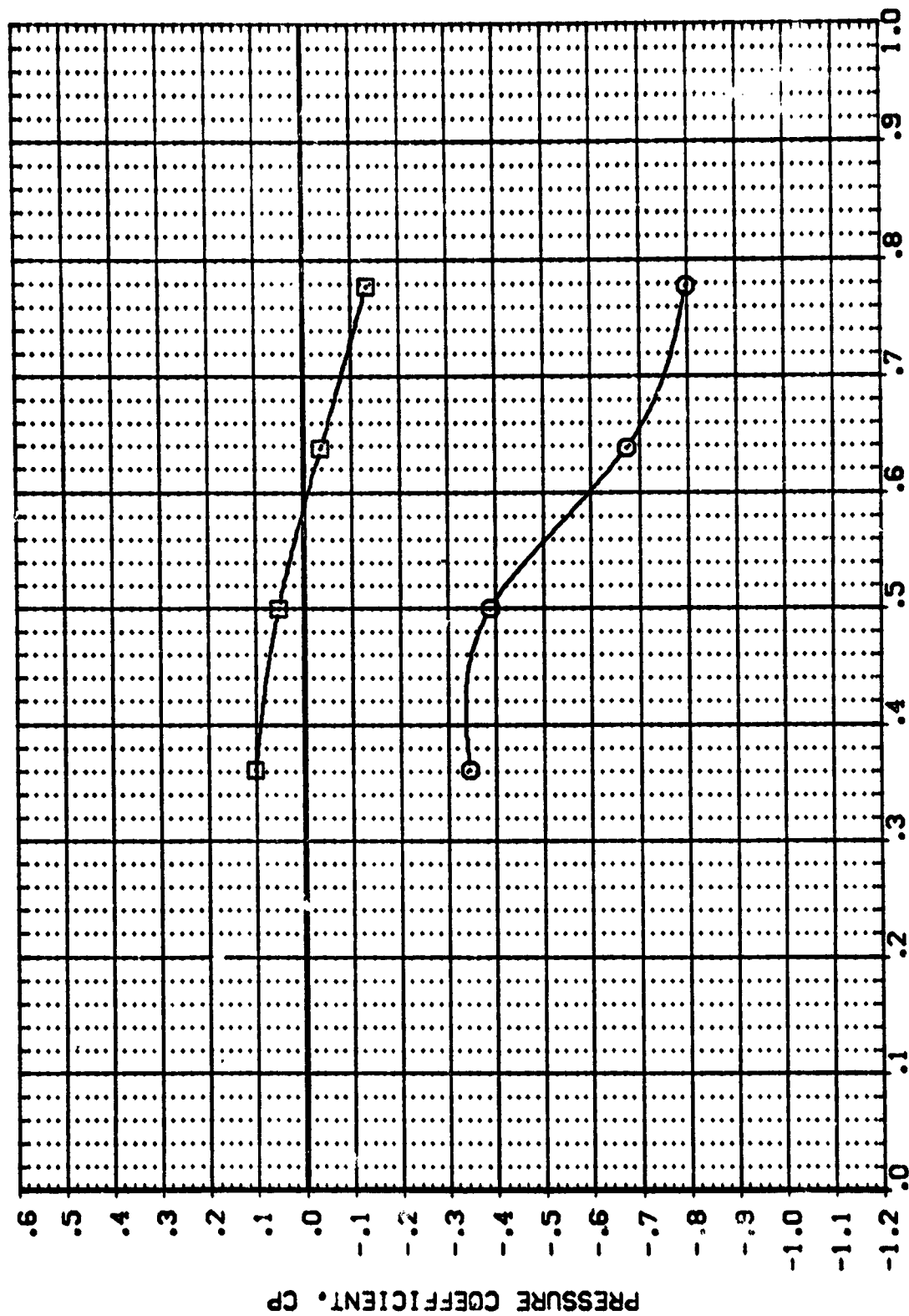


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .896 ALPHA = 1.800 X/C = .500





DATA SET SYMBOL: [RF4U02] [RF4L02]  
 CONFIGURATION DESCRIPTION: 1A68 C1 F1  
 1A68 C1 F1

UPPER WING SURFACE: [ ]  
 LOWER WING SURFACE: [ ]

BETA: .000  
 .000

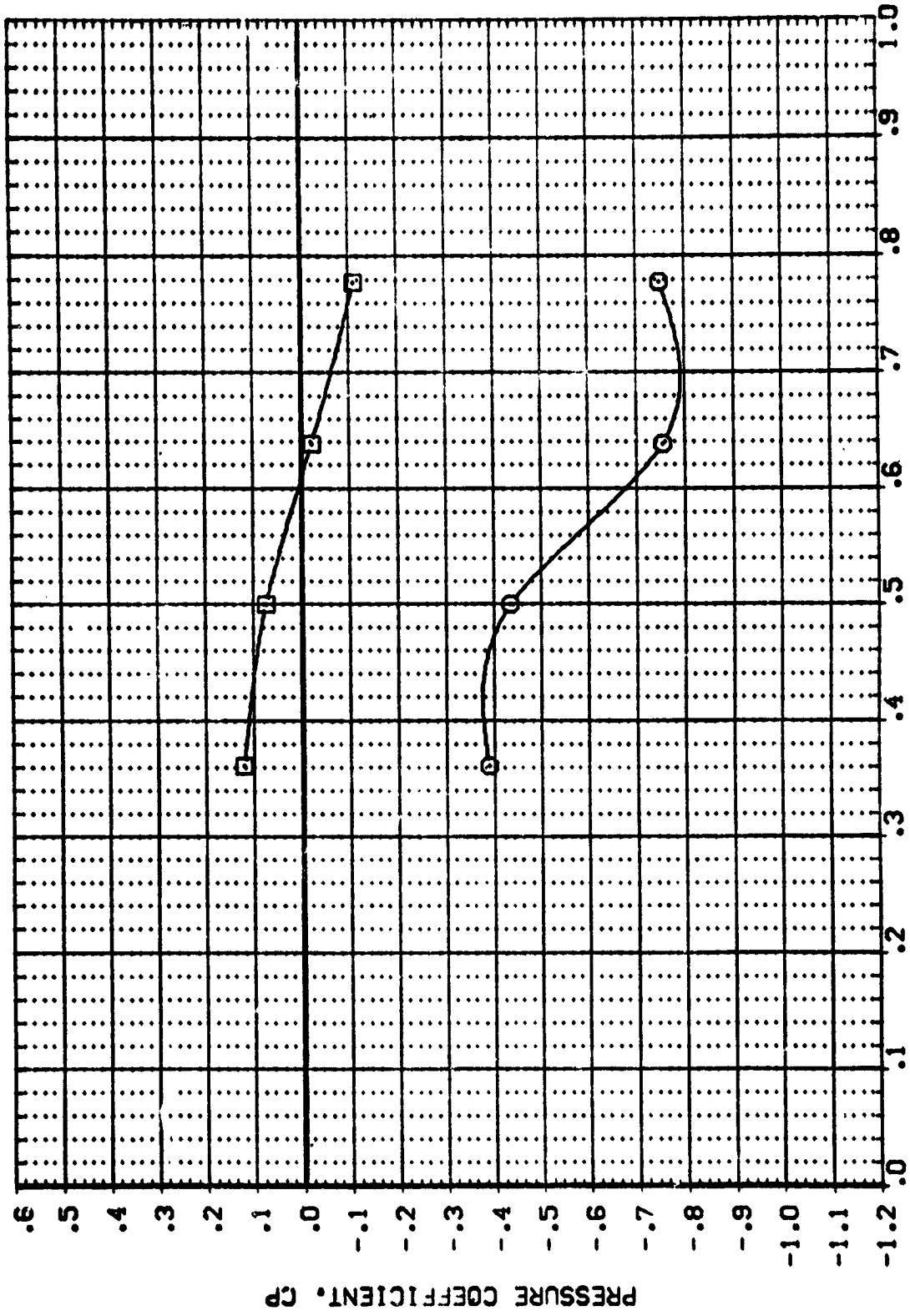


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .896 ALPHA = 3.670 X/C = .500

DATA SET SYMBOL: [RF4U02] [RF4L02]  
 CONFIGURATION DESCRIPTION: [ASB C1 F1] [ASB C1 F1]

BETA: .000  
 UPPER WING SURFACE: .000  
 LOWER WING SURFACE: .000

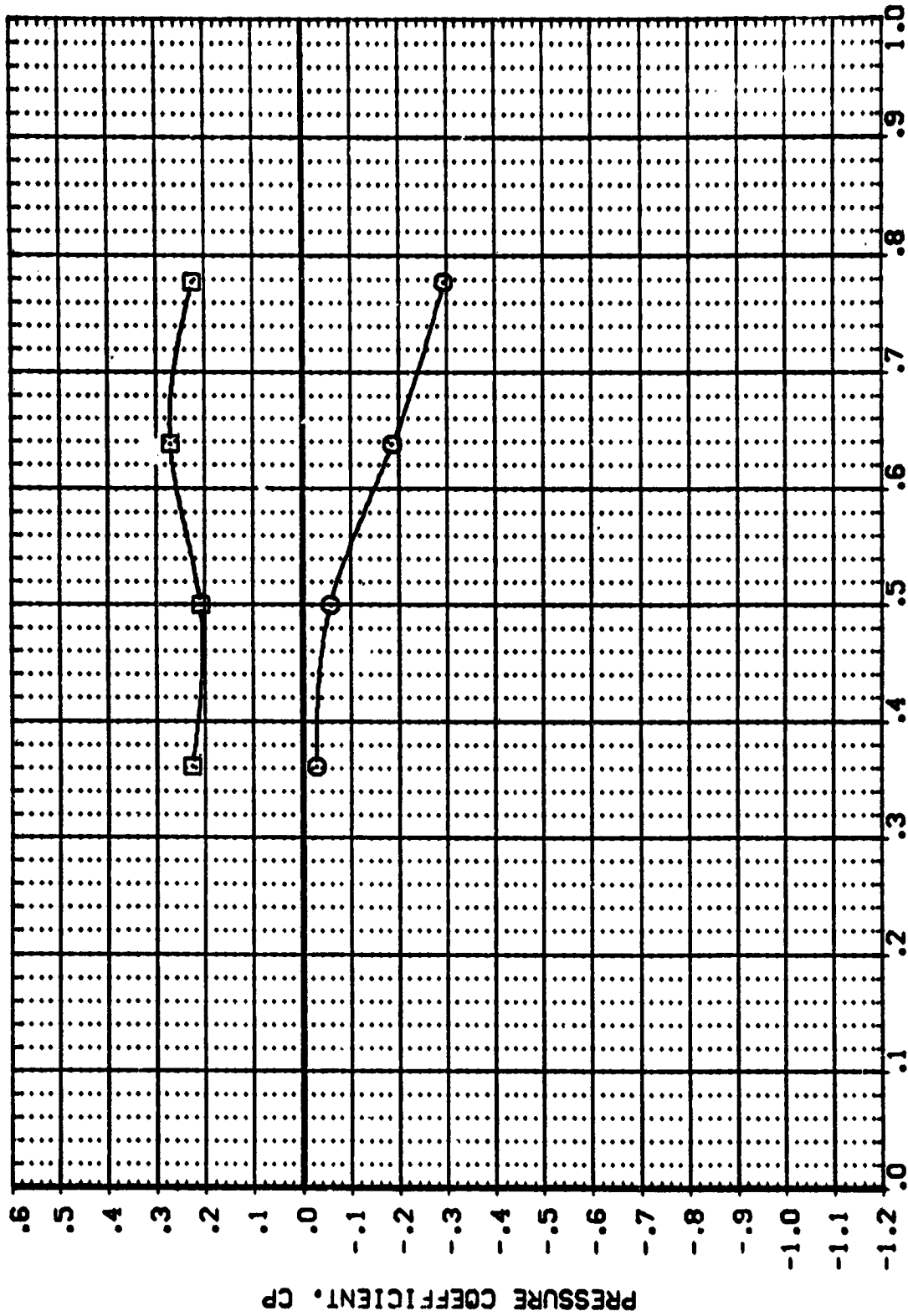


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 ALPHA = -3.910 X/C = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (RF4L02) 1A68 C1 F1  
 (RF4L02) 1A68 C1 F1

BETA  
 .000  
 UPPER WING SURFACE  
 .000  
 LOWER WING SURFACE

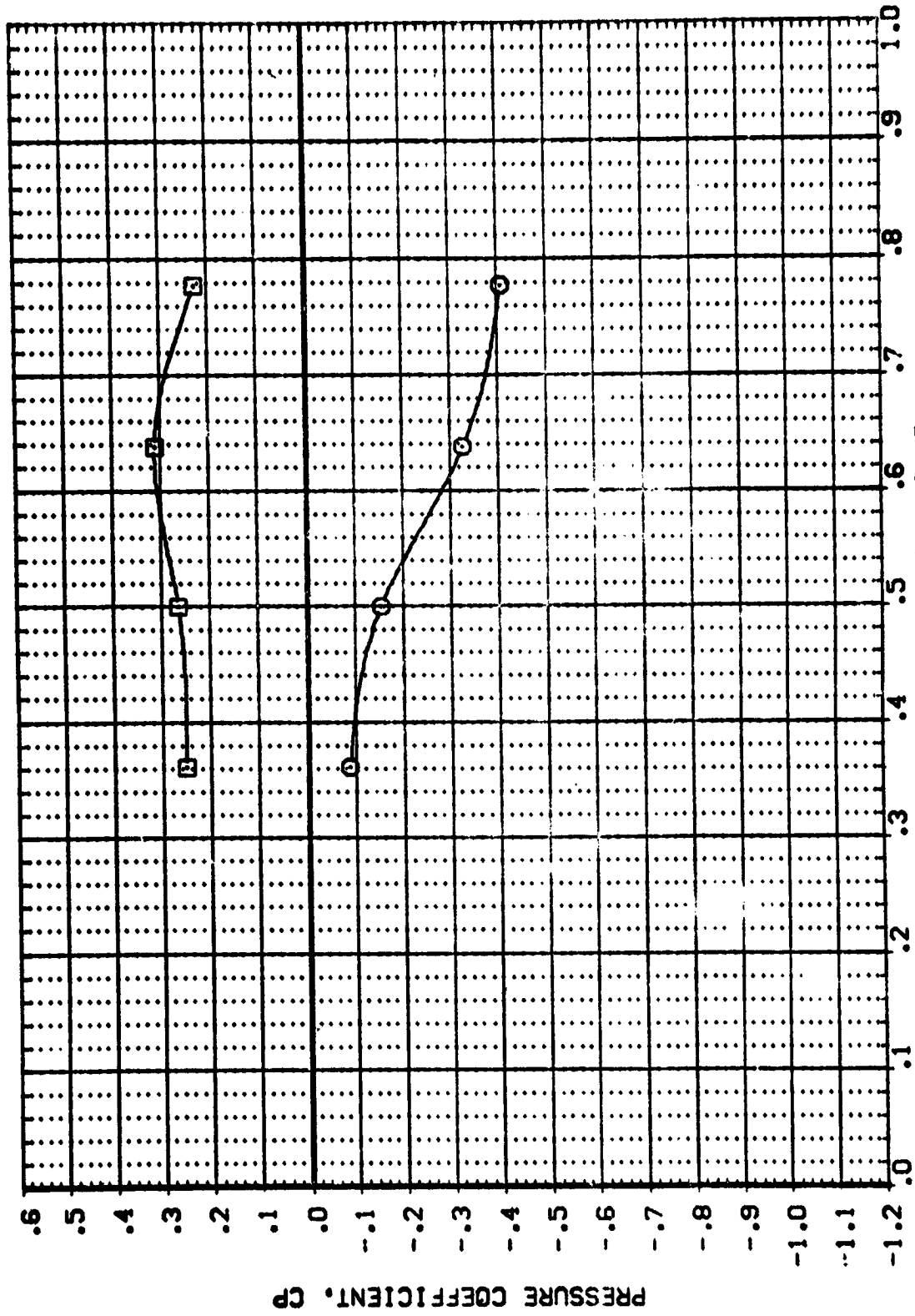


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 ALPHA = -1.830 X/C = .500

DATA SET SYMBOL: IASB C1 F1  
 (RF4L02) IASB C1 F1  
 (RF4L02)

CONFIGURATION DESCRIPTION:  
 UPPER WING SURFACE  
 LOWER WING SURFACE

BETA: .000  
 .000

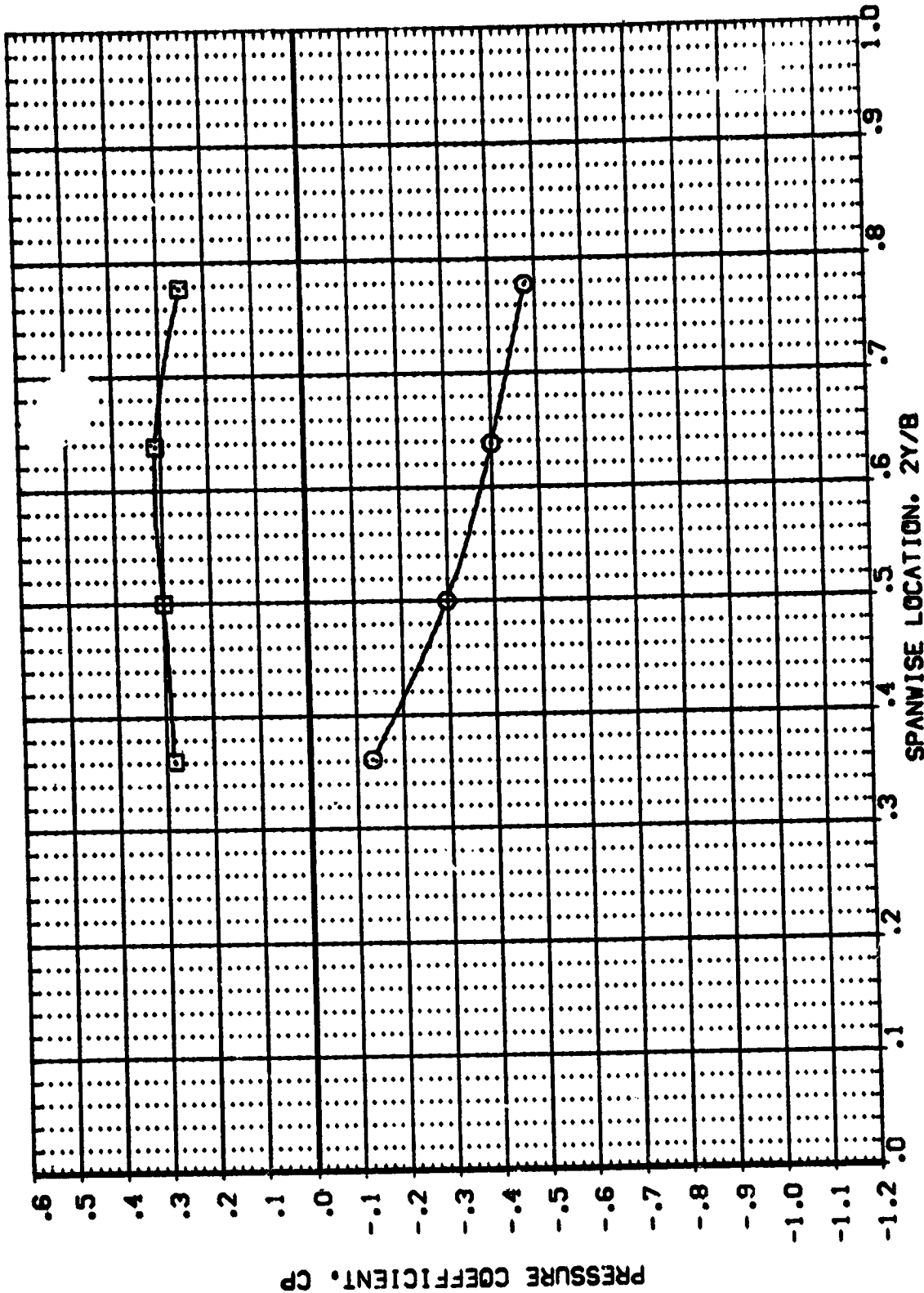


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 ALPHA = .150 X/C = .500



DATA SET SYMBOL (R/AL02) [R/AL02]  
 CONFIGURATION DESCRIPTION [AGB C] F1 [AGB C] F1

BETA .000  
 UPPER WING SURFACE .000  
 LOWER WING SURFACE .000

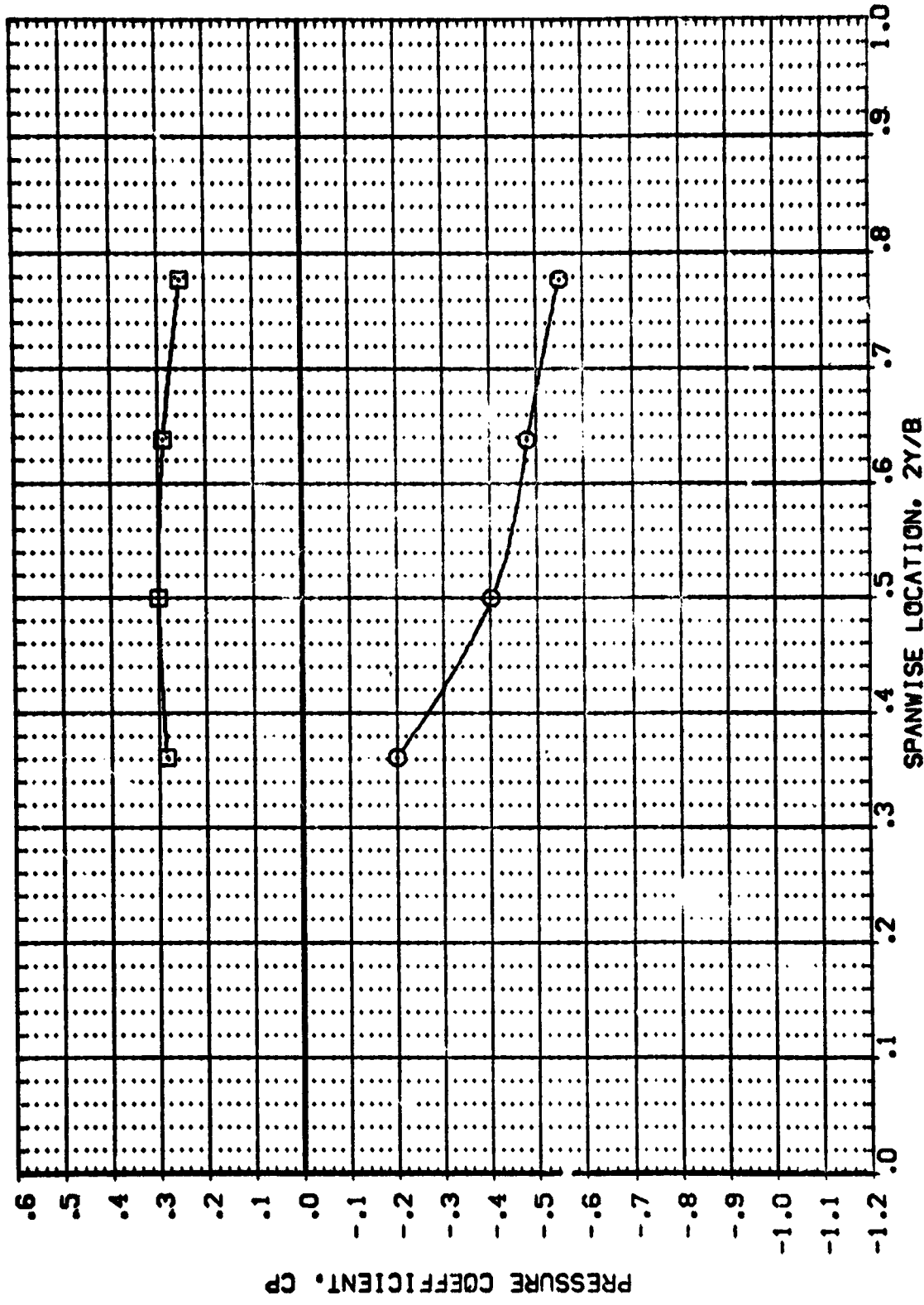


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 ALPHA = 2.120 X/C = .500

DATA SET SYMBOL: (RF4L02) (RF4L02)  
 CONFIGURATION DESCRIPTION: 1A58 C1 F1 1A58 C1 F1

BETA: .000  
 UPPER WING SURFACE: .000  
 LOWER WING SURFACE: .000

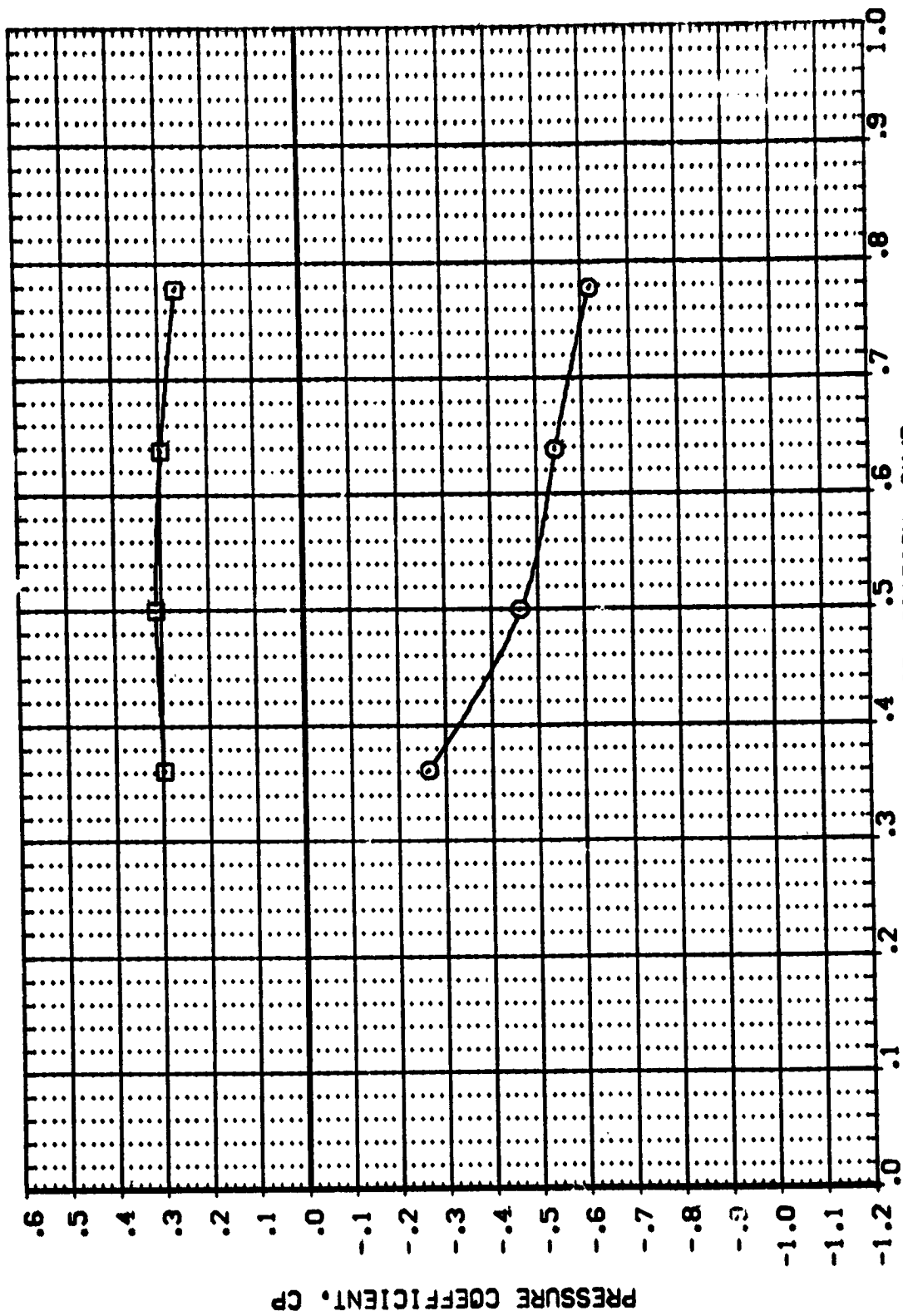


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 ALPHA = 4.030 X/C = .500



DATA SET SYMB. (RF4UDZ) (RF4UDZ)  
 CONFIGURATION DESCRIPTION 1A88 C1 F1 1A88 C1 F1

BETA .000  
 UPPER WING SURFACE .000  
 LOWER WING SURFACE .000

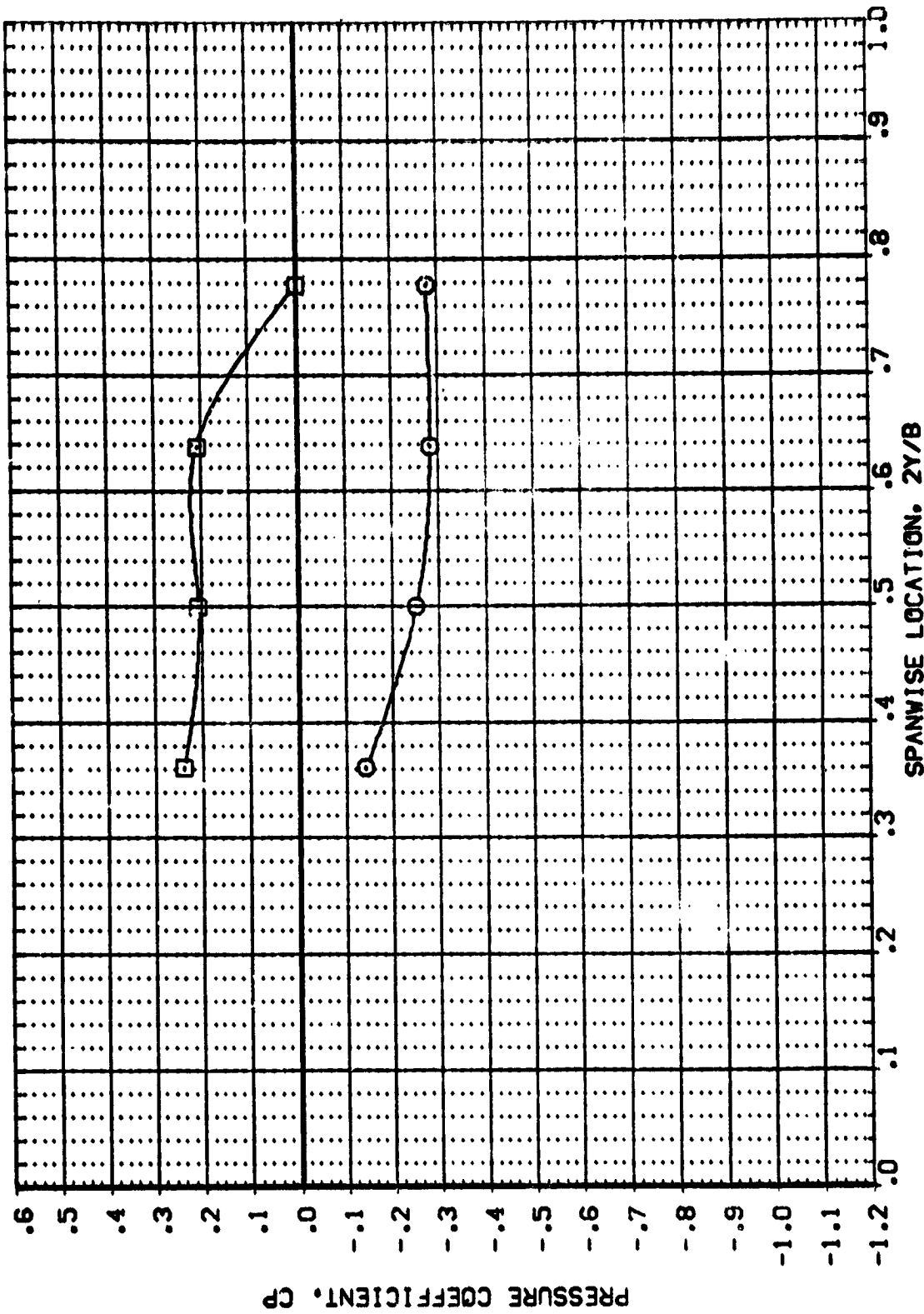


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 ALPHA = -3.890 X/C = .500



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RF4L02) IASB C1 F1  
 (RF4L02) IASB C1 F1

UPPER WING SURFACE  
 LOWER WING SURFACE

BETA

.000  
 .000

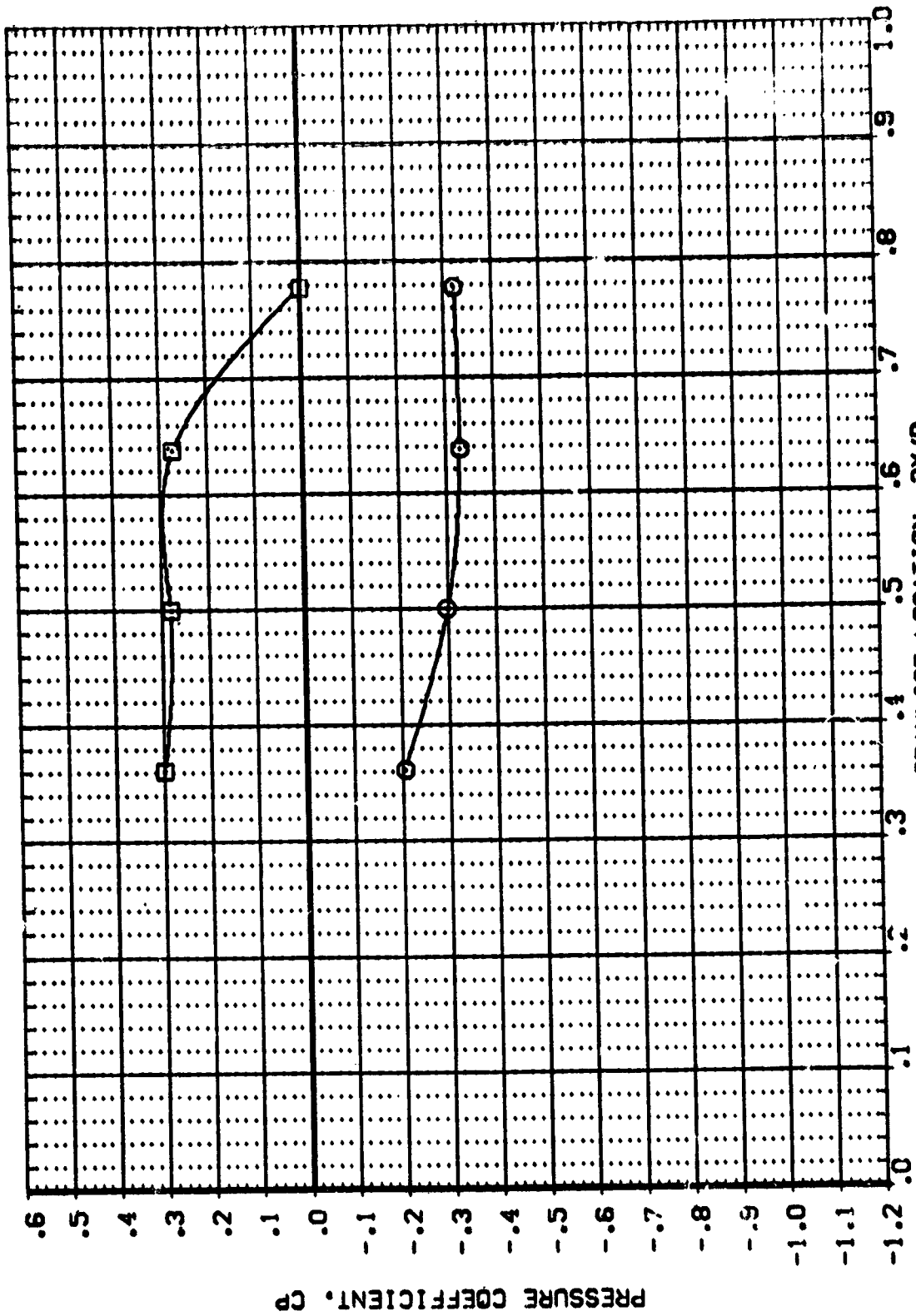


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 ALPHA = -1.690 X/C = .500





DATA SET SYMBOL: [A] CONFIGURATION DESCRIPTION:  
 [A88 C1 F1] UPPER WING SURFACE  
 [A88 C2 F1] LOWER WING SURFACE

BETA: .000  
 UPPER WING SURFACE: .000  
 LOWER WING SURFACE: .000

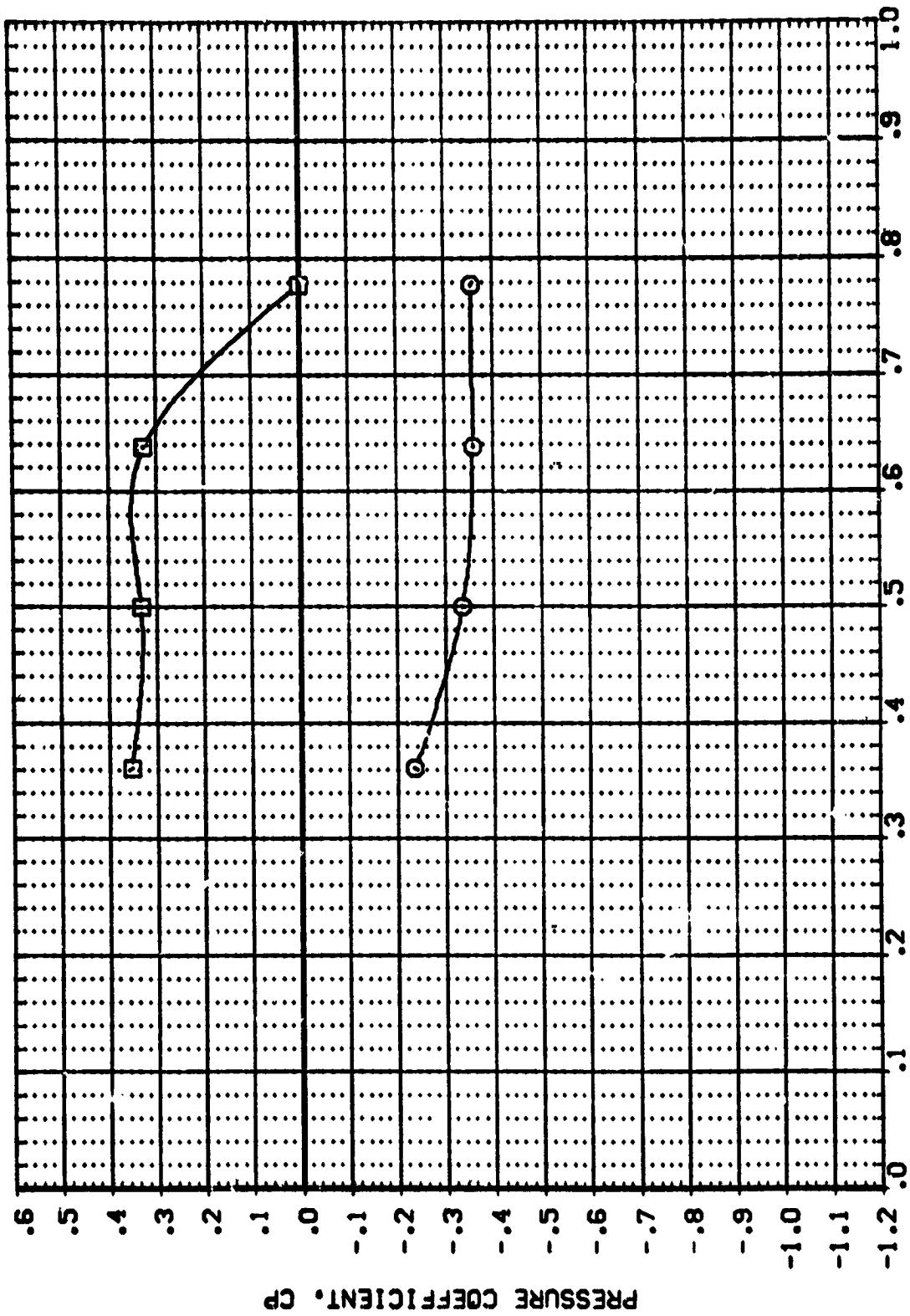


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 ALPHA = .120 X/C = .500

DATA SET SYMBOL: [RF4L02] [RF4L02]  
 CONFIGURATION DESCRIPTION: [A88 C1 F1] [A88 C1 F1]

BETA: .000  
 UPPER WING SURFACE: .000  
 LOWER WING SURFACE: .000

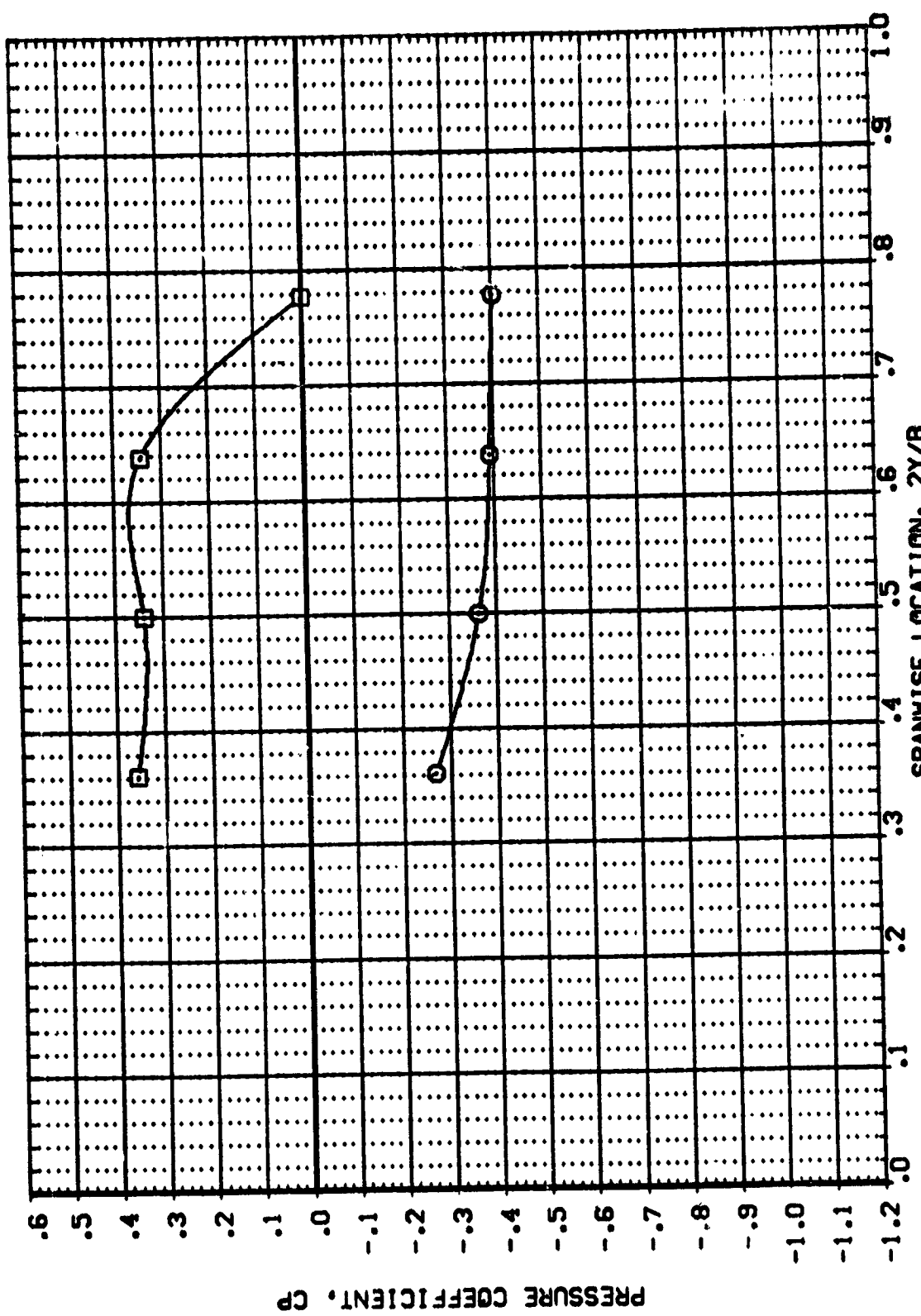


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 ALPHA = 2.010 X/C = .500



DATA SET SYMBS. CONFIGURATION DESCRIPTION  
 (RF4L02) (RF4L02) □ 1A5B C1 F1  
 (RF4L02) (RF4L02) □ 1A5B C1 F1

UPPER WING SURFACE  
 LOWER WING SURFACE

BETA .000

BETA .000

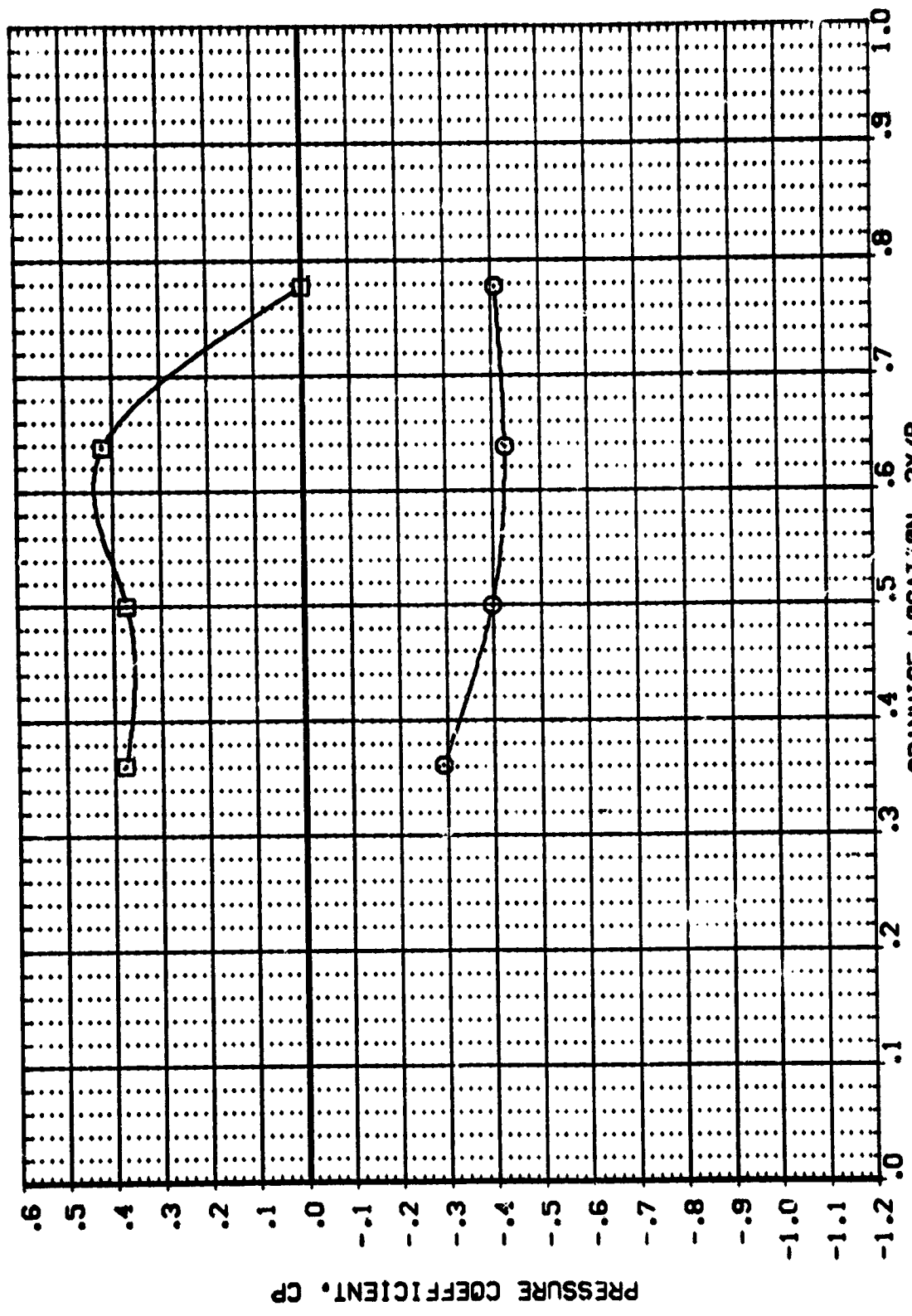


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 ALPHA = 3.950 X/C = .500

DATA SET SYMBOL: (RF4L02) (RF4L02)  
 CONFIGURATION DESCRIPTION: 1A58 C1 F1 1A58 C1 F1

BETA: .000  
 UPPER WING SURFACE: .000  
 LOWER WING SURFACE: .000

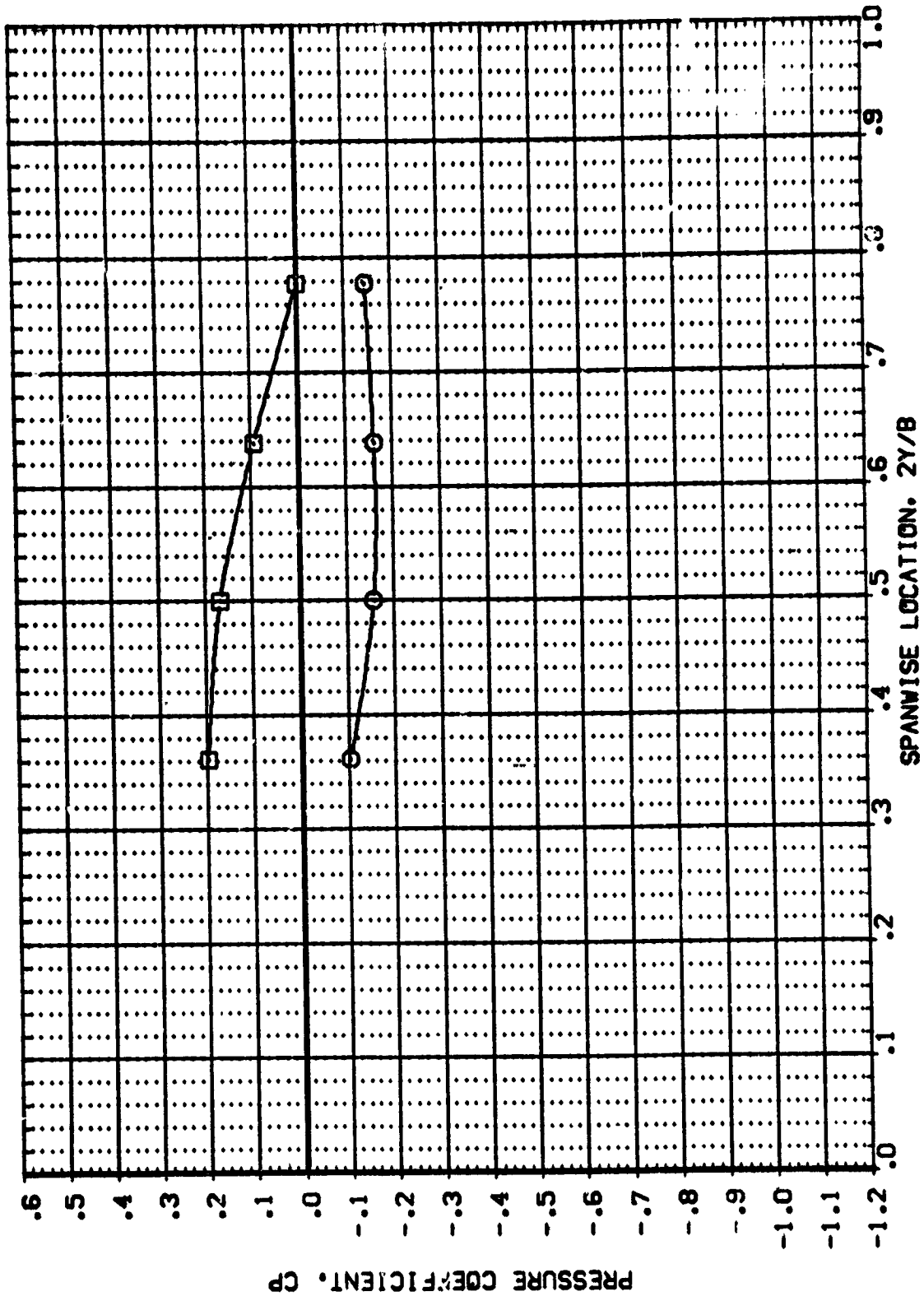


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 ALPHA = -3.770 X/C = .500



DATA SET SYMBOL: (RF4U02) (RF4L02)  
 CONFIGURATION DESCRIPTION: 1A59 C1 F1 1A58 C1 F1

BETA: .000  
 UPPER WING SURFACE: .000  
 LOWER WING SURFACE: .000

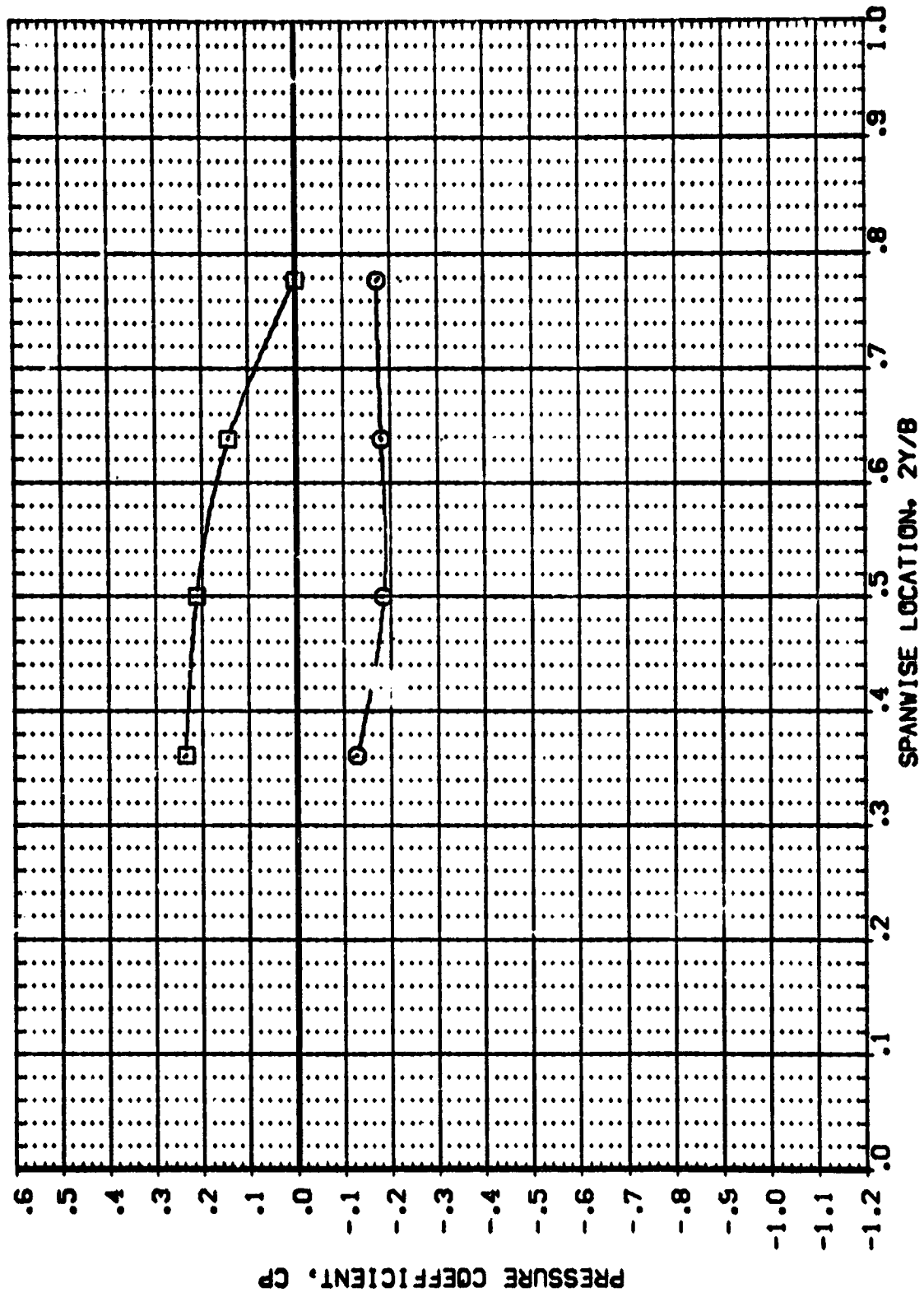


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 ALPHA = -1.960 X/C = .500

DATA SET SYMBOL (R-4L02) (R-4L02) CONFIGURATION DESCRIPTION (A68 C1 F1) (A68 C1 F1) UPPER WING SURFACE LOWER WING SURFACE BETA .000 .000

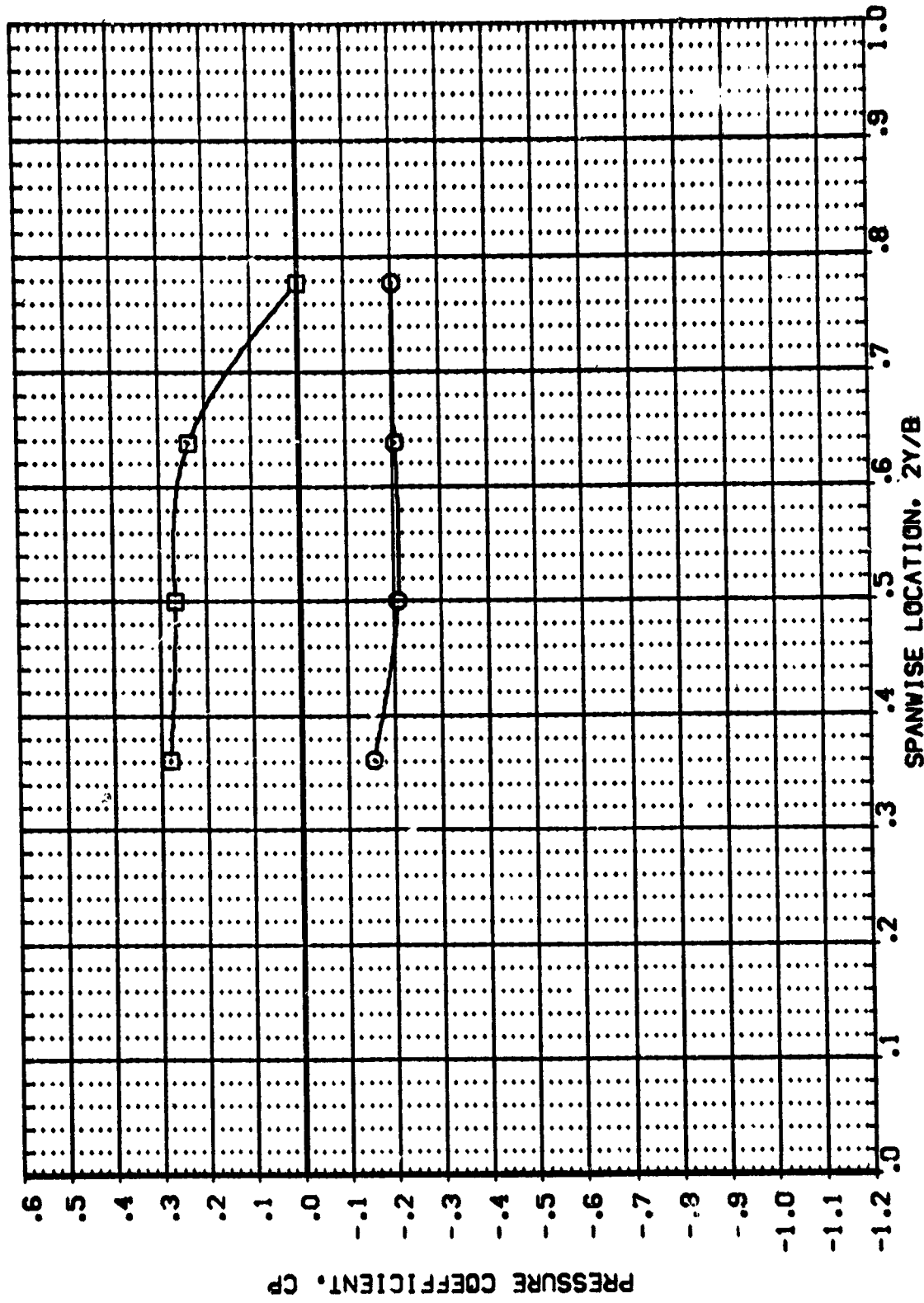


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 ALPHA = .020 X/C = .500

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (RF4L02) 1A68 C1 F1  
 (RF4L02) 1A68 C1 F1

BETA  
 UPPER WING SURFACE .000  
 LOWER WING SURFACE .000

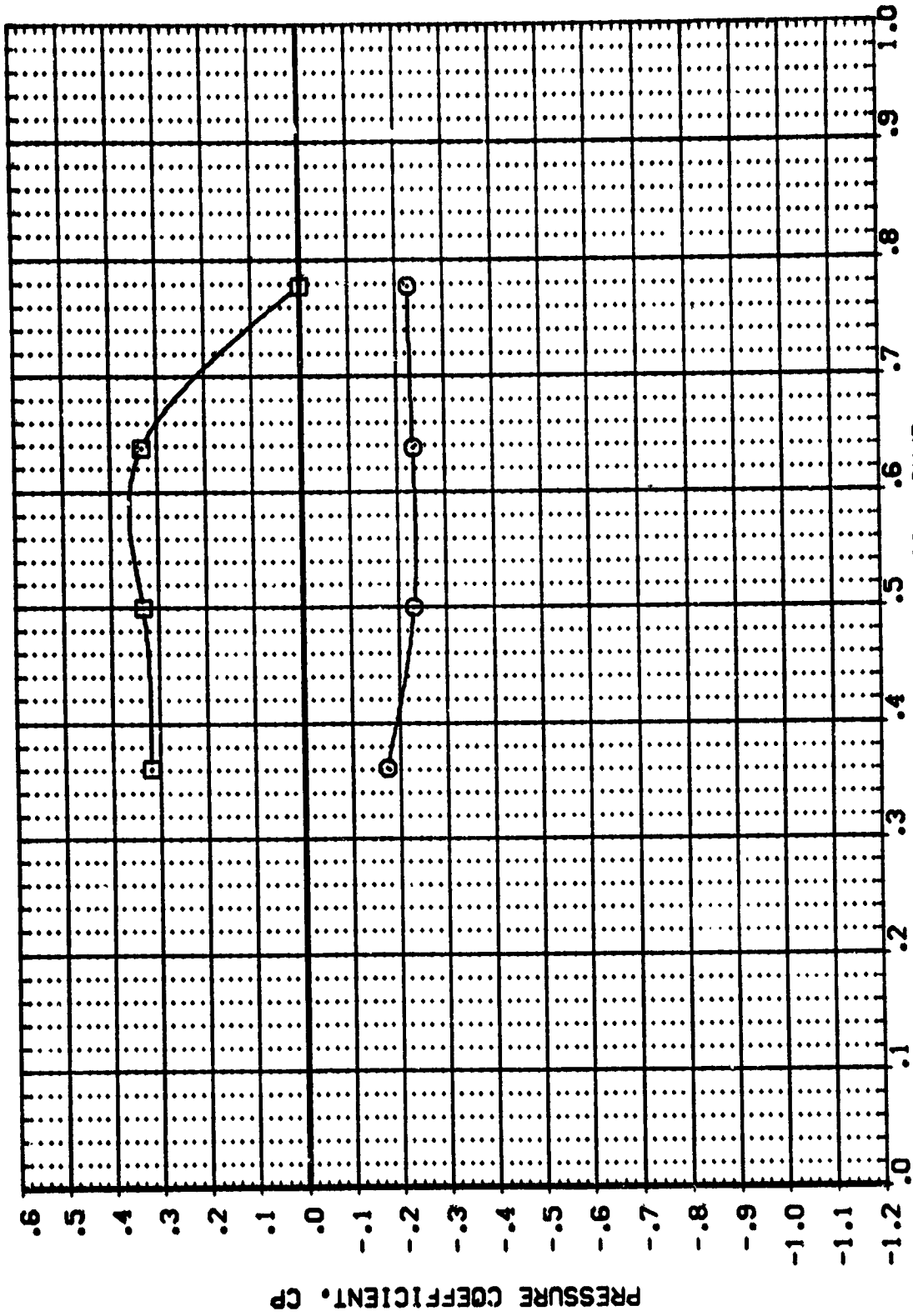


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50  
 MACH = 1.991 ALPHA = 2.050 X/C = .500

DATA SET SYMBOL: (REF4LOZ)  $\square$  (REF4LOZ)  
 CONFIGURATION DESCRIPTION: IAGB CI F1 IAGB CI F1

BETA: .000  
 UPPER WING SURFACE: .000  
 LOWER WING SURFACE: .000

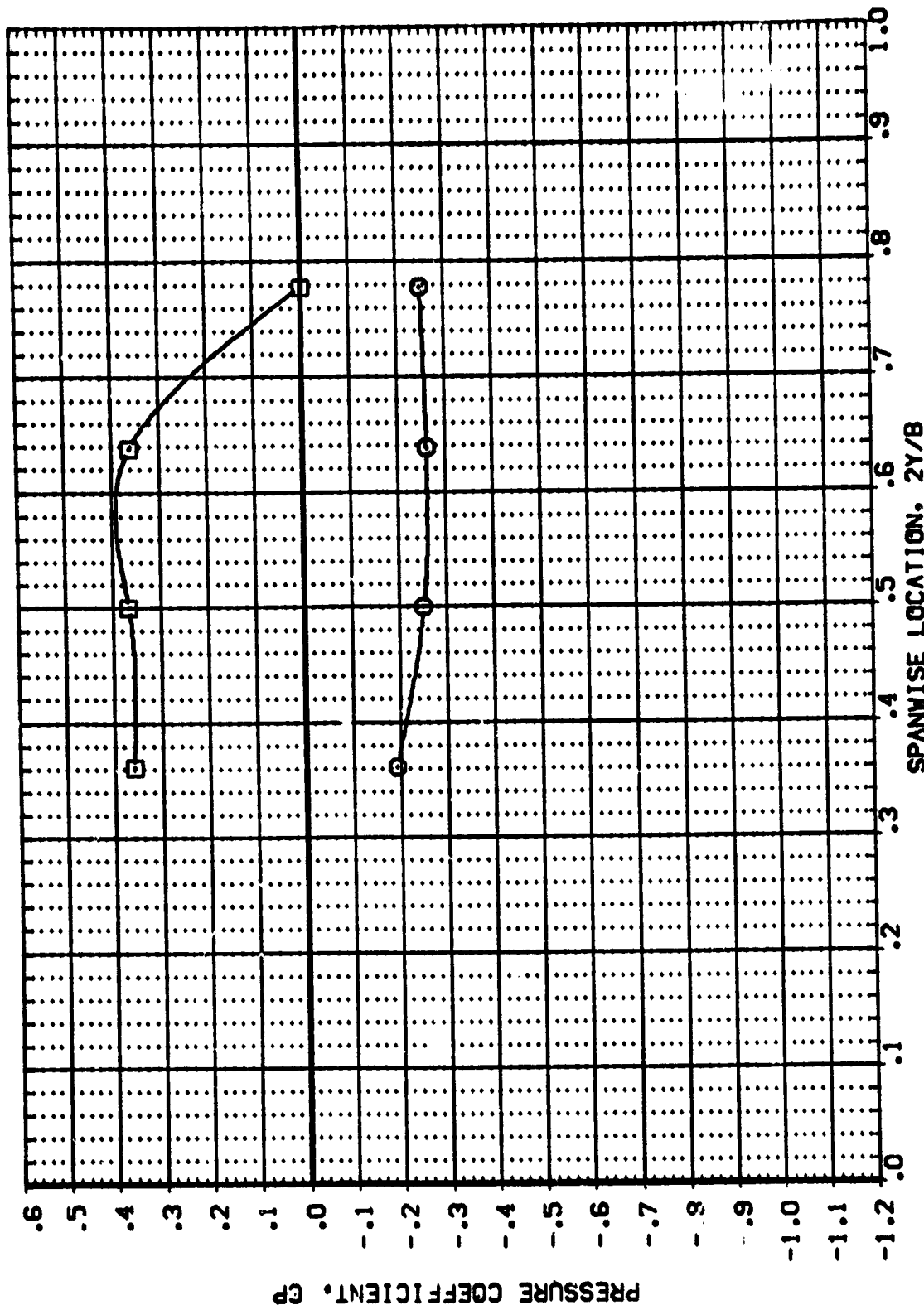


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 ALPHA = 4.050 X/C = .500



DATA SET SYMBOL (RF4L03) [ASB CI F] [ASB CI F] CONFIGURATION DESCRIPTION

UPPER WING SURFACE ALPHA .000 LOWER WING SURFACE .000

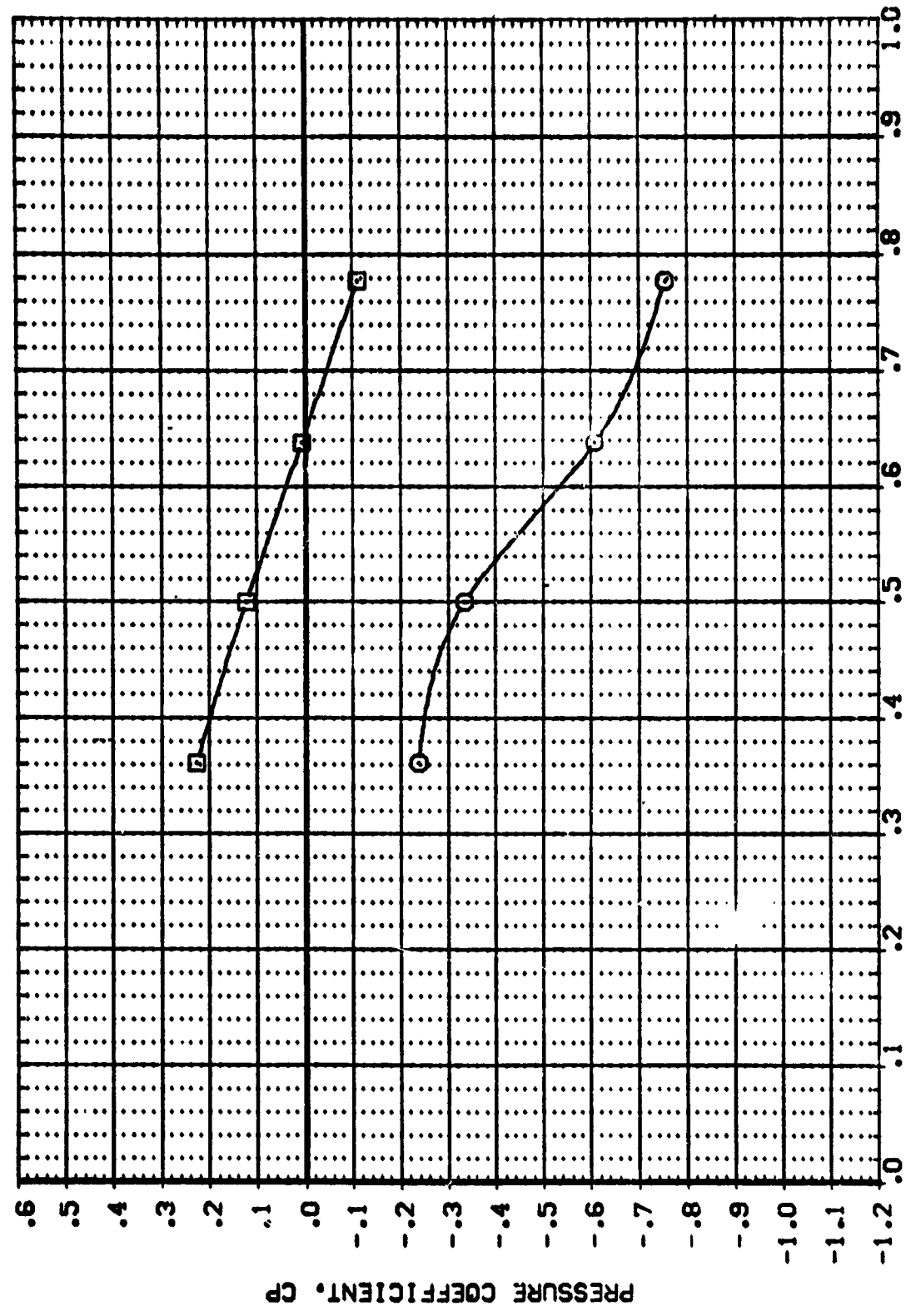


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH .899 BETA = -3.750 X/C = .500

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RF4L03) (RF4L03) IAGB C1 F1 IAGB C1 F1

UPPER WING SURFACE LOWER WING SURFACE

ALPHA .000 .000

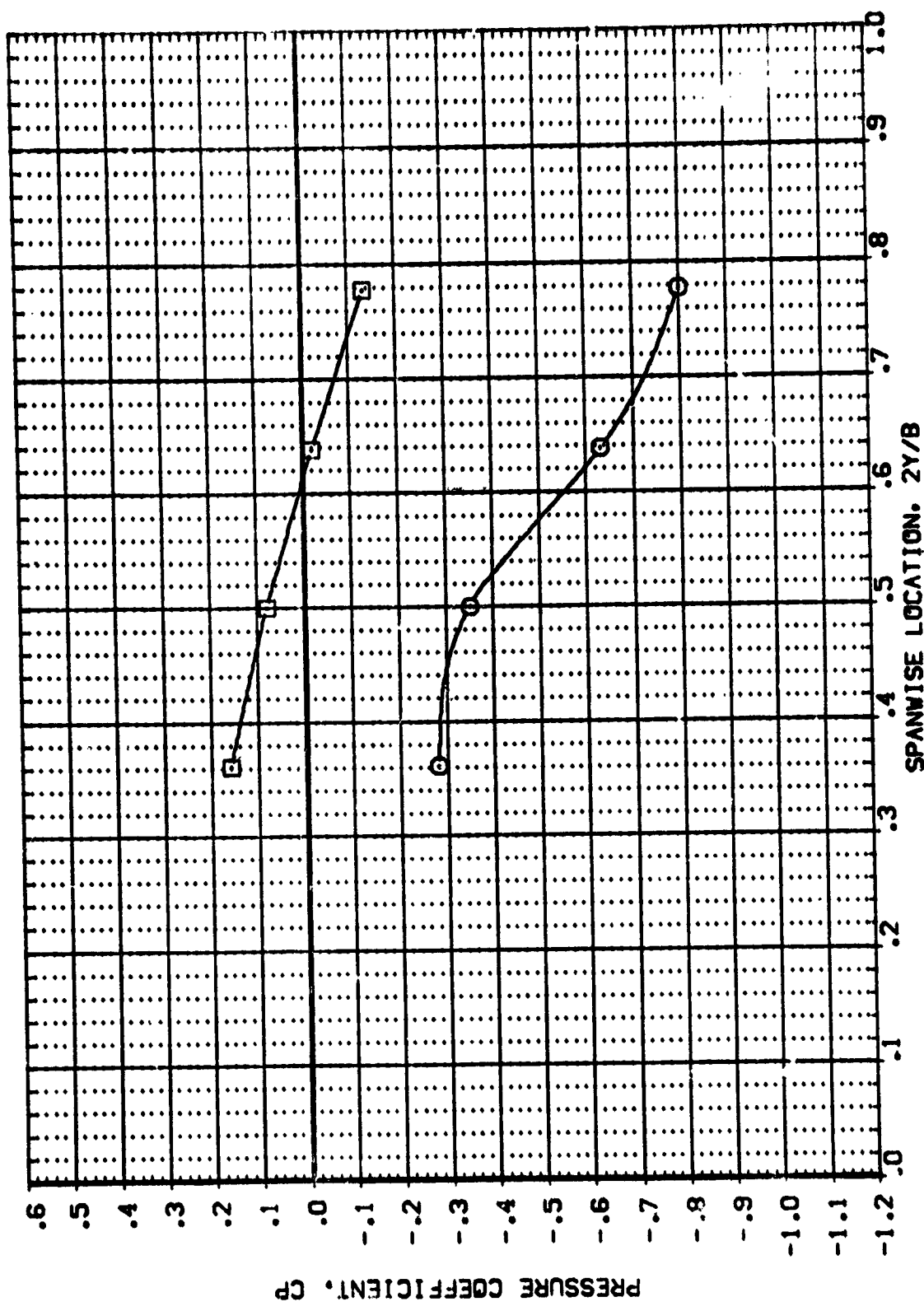


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .899 BETA = -1.860 X/C = .500



DATA SET SYMBOL: (RFL03)  
 CONFIGURATION DESCRIPTION: (RFL03)  
 (RFL03) (RFL03)

UPPER WING SURFACE  
 LOWER WING SURFACE

ALPHA  
 .000  
 .000

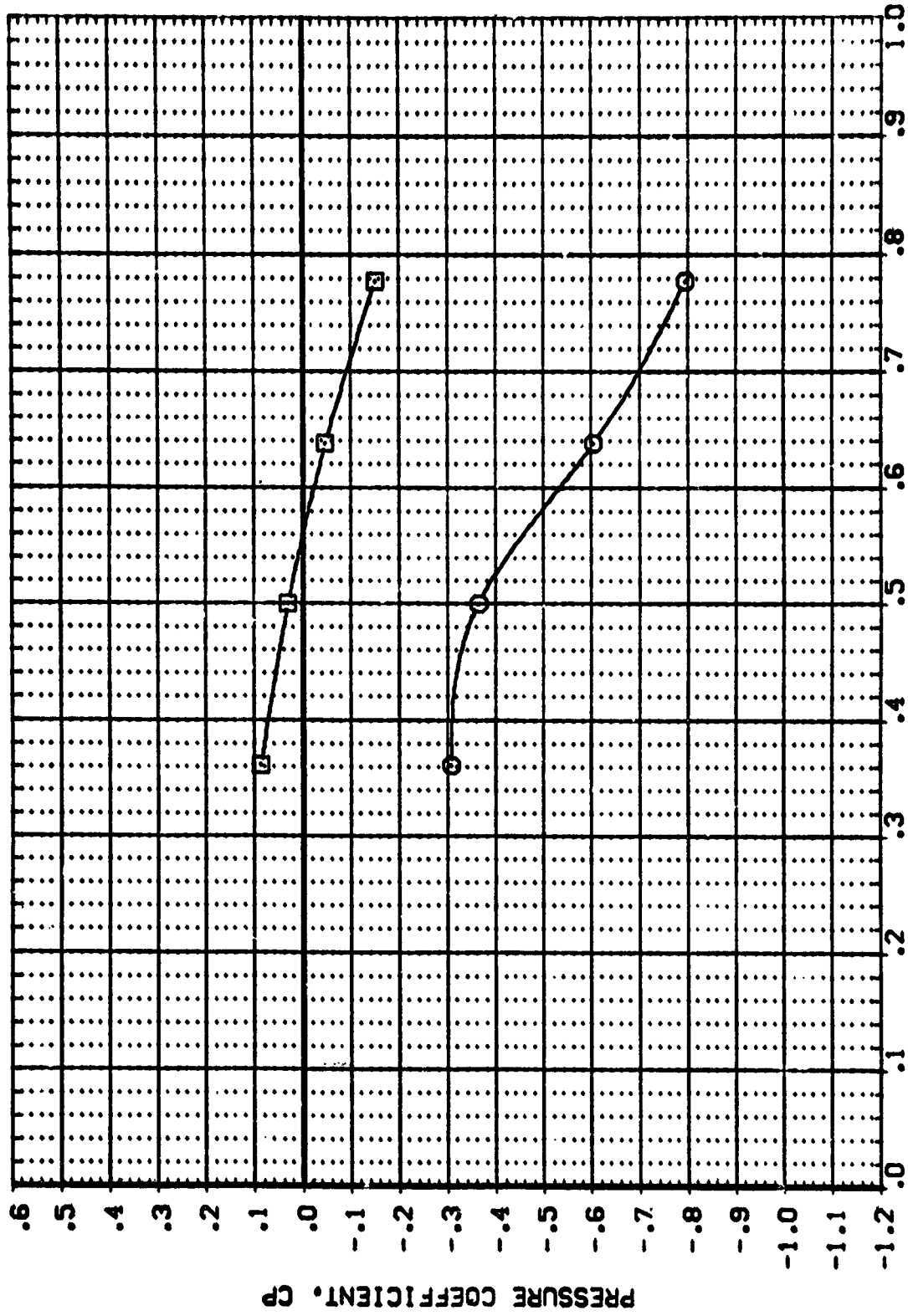


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .899 BETA = .050 X/C = .500

DATA SET SYMBOL. CONFIGURATION DESCRIPTION  
 (RF-403) IAGB CI F1  
 (RF-403) IAGB CI F1

ALPHA  
 .000  
 UPPER WING SURFACE  
 .000  
 LOWER WING SURFACE

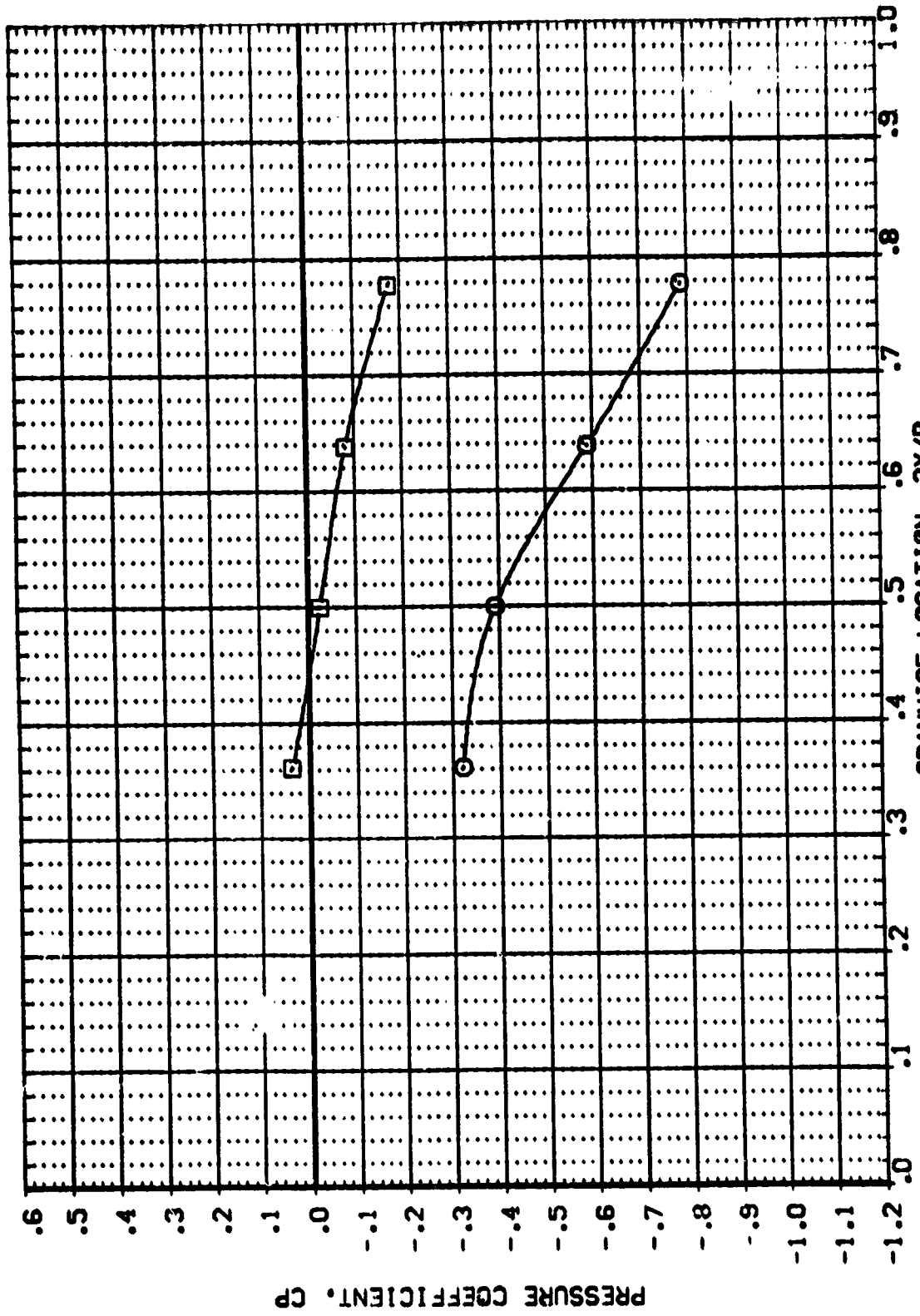


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .899 BETA = 1.970 X/C = .500



DATA SET SYMBOL: (RF4L03) (RF4L03)  
 CONFIGURATION DESCRIPTION: 1A68 C1 F1 1A68 C1 F1

UPPER WING SURFACE: .000  
 LOWER WING SURFACE: .000

ALPHA

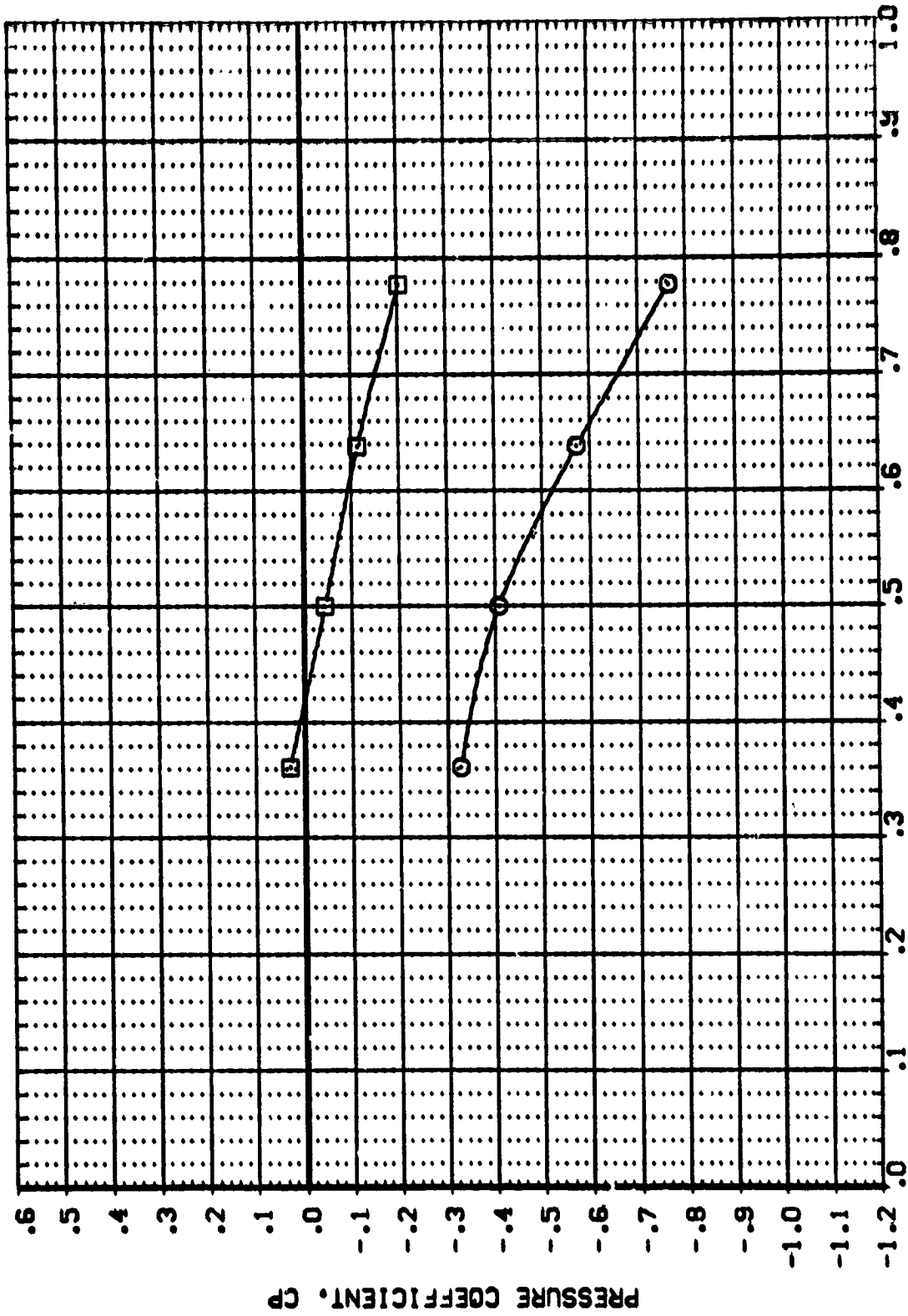


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .899 BETA = 3.970 X/C = .500

DATA SET SYMBOL:  $\square$  CONFIGURATION DESCRIPTION: UPPER WING SURFACE  
 (REF: 4L03) (ABS: C1 F1) LOWER WING SURFACE  
 (REF: 4L03) (ABS: C1 F1)

ALPHA: .000  
 .000

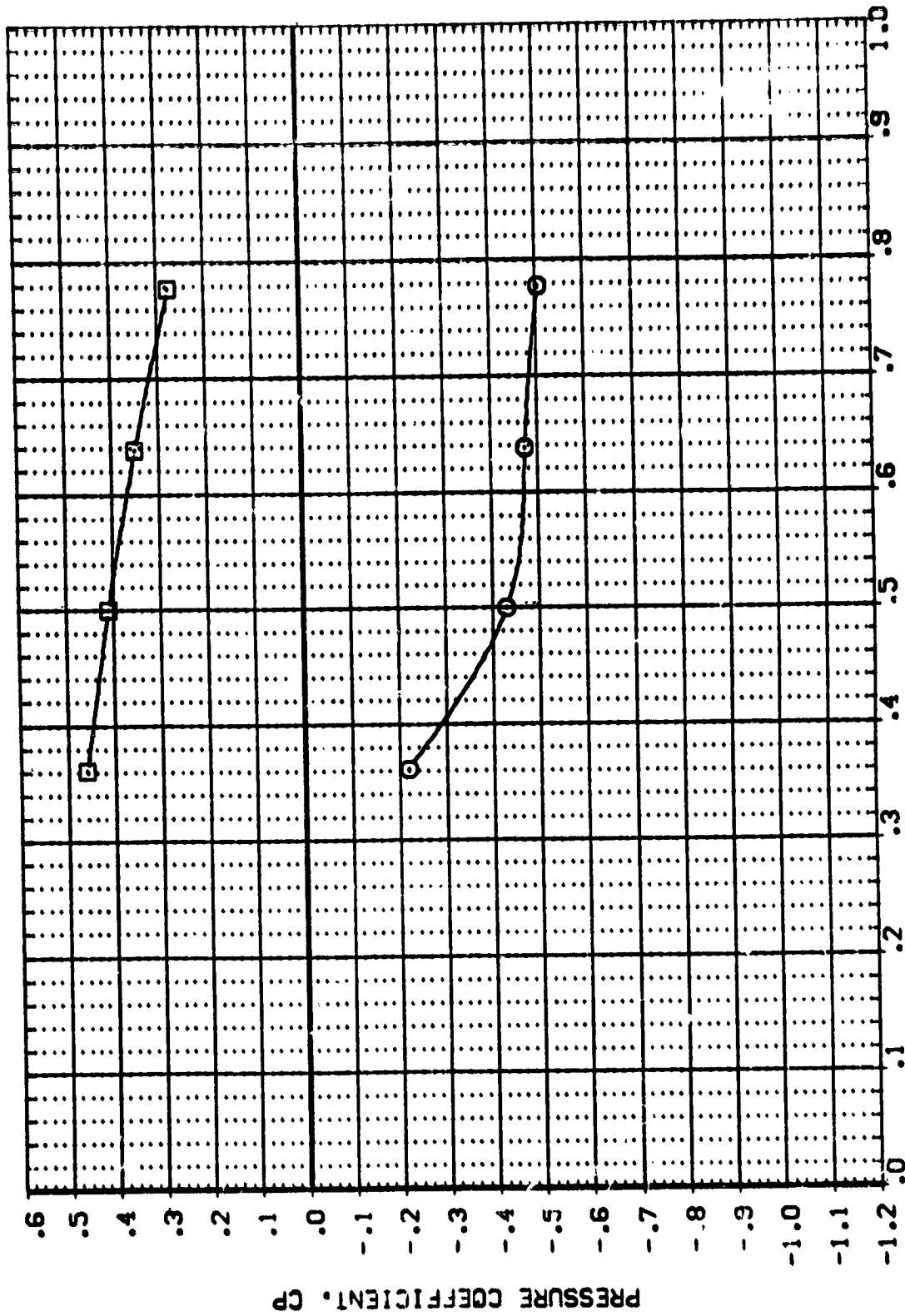


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50  
 MACH = 1.211 BETA = -3.850 X/C = .500



3

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
(RF4L03) (ASB CI F1)  
(RF4L03) (ASB CI F1)

UPPER WING SURFACE  
LOWER WING SURFACE  
ALPHA .000  
.000

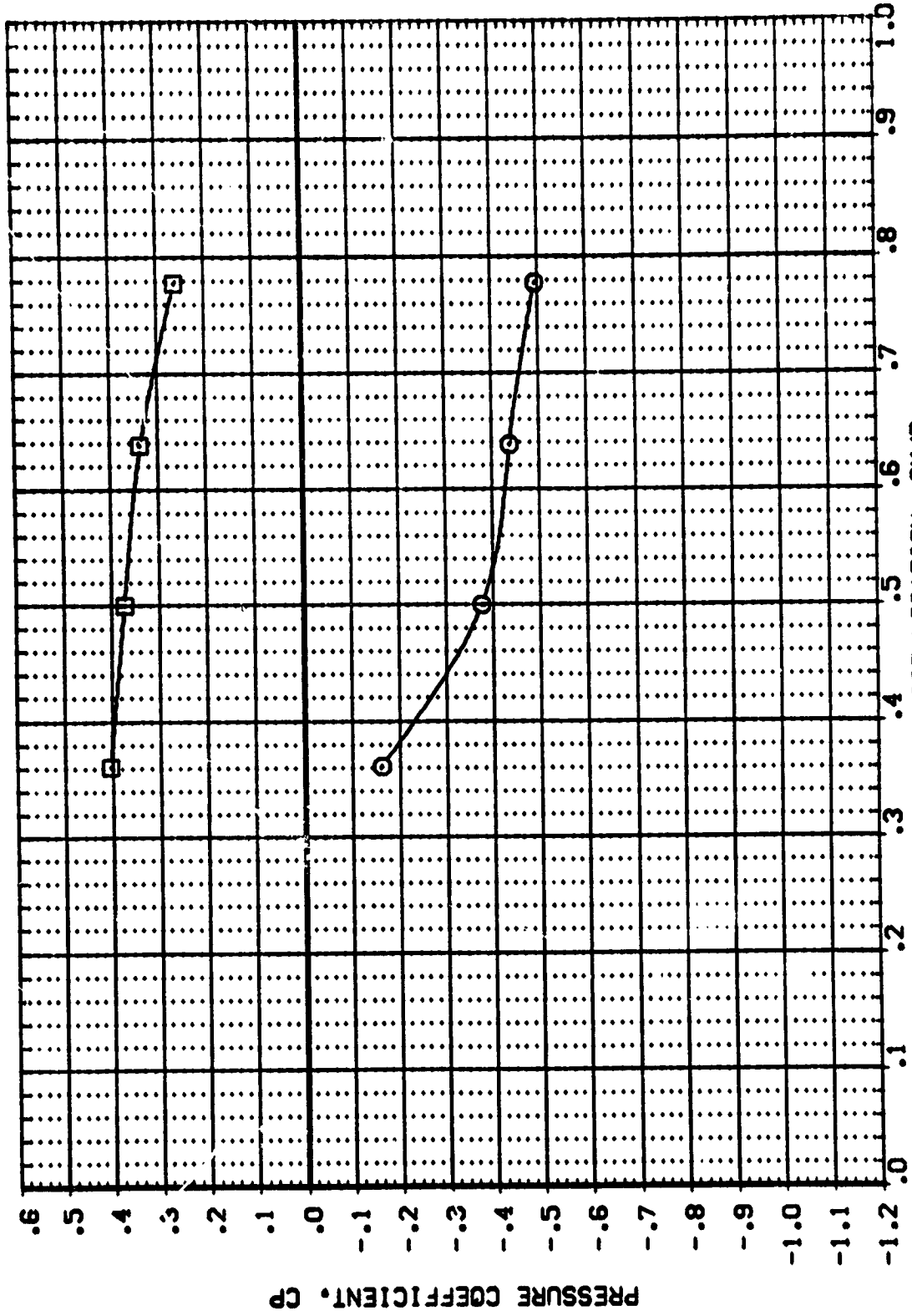


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50  
MACH = 1.211 BETA = -1.900 X/C = .500

DATA SET SYMBOL: 1A98 C1 F1  
 (RF4L03) □ (RF4L03)  
 CONFIGURATION DESCRIPTION:  
 UPPER WING SURFACE  
 LOWER WING SURFACE

ALPHA  
 .000  
 .000

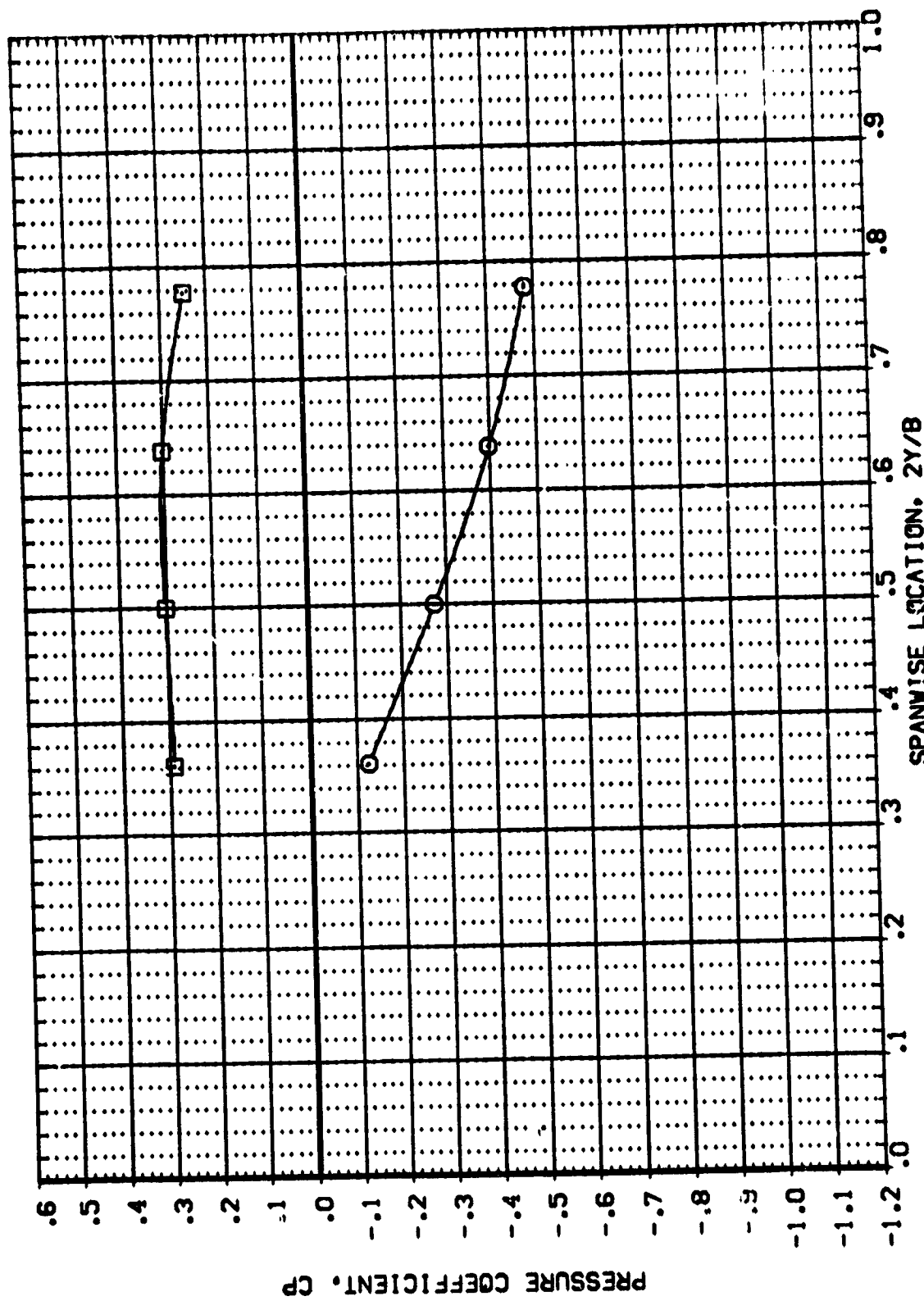


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 BETA = .000 X/C = .500





DATA SET SYMBOL: [RF4U03] [RF4L03]  
 CONFIGURATION DESCRIPTION: [A6B C1 F1] [A6B C1 F1]

UPPER WING SURFACE  
 LOWER WING SURFACE

ALPHA  
 .000  
 .000

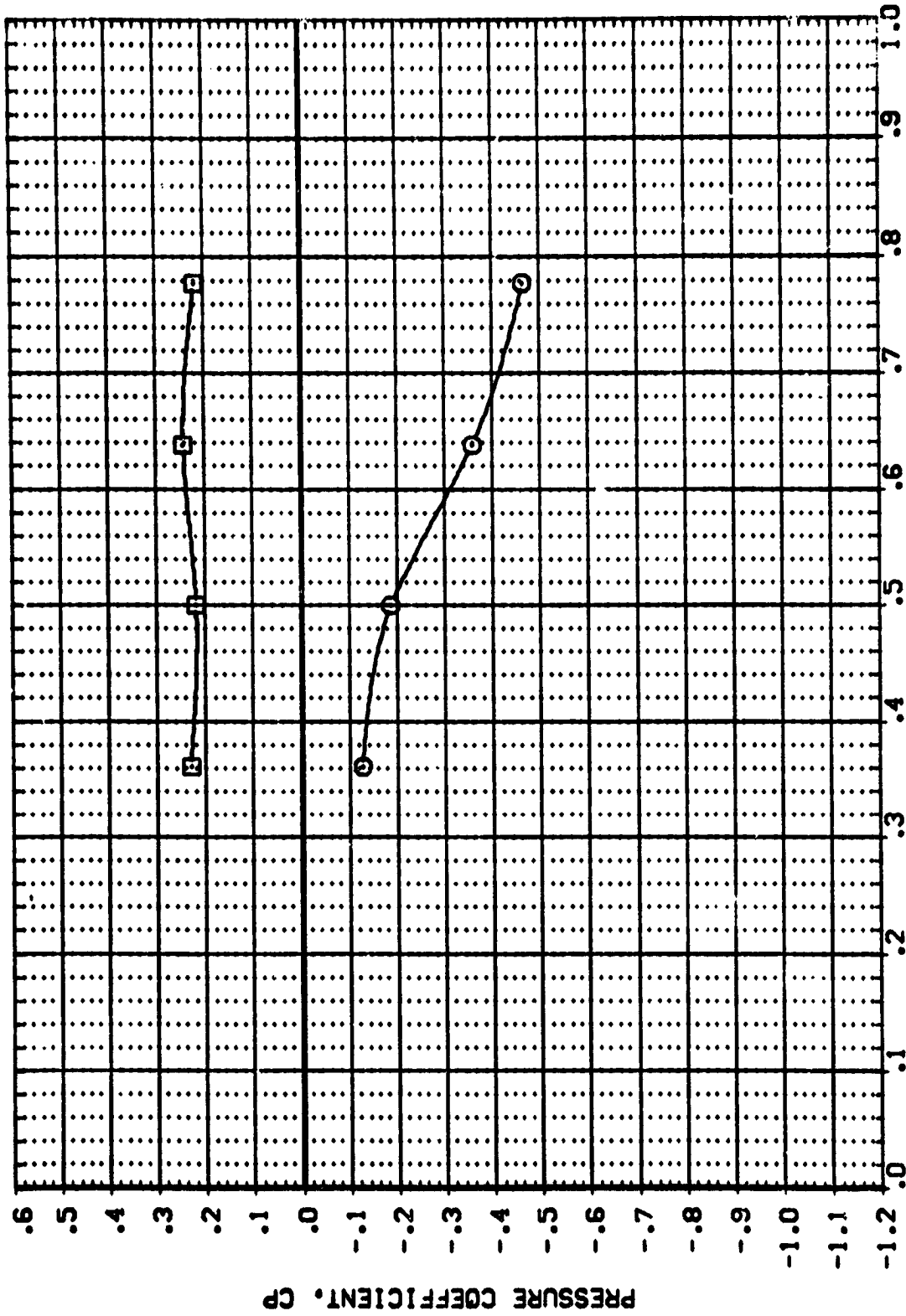


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 BETA = 1.900 X/C = .500

DATA SET SYMBOL: [RE 4UG3] [RE 4UG3]  
CONFIGURATION DESCRIPTION: [ASS C] [F] [ASS C] [F]

ALPHA: .000  
UPPER WING SURFACE: .000  
LOWER WING SURFACE: .000

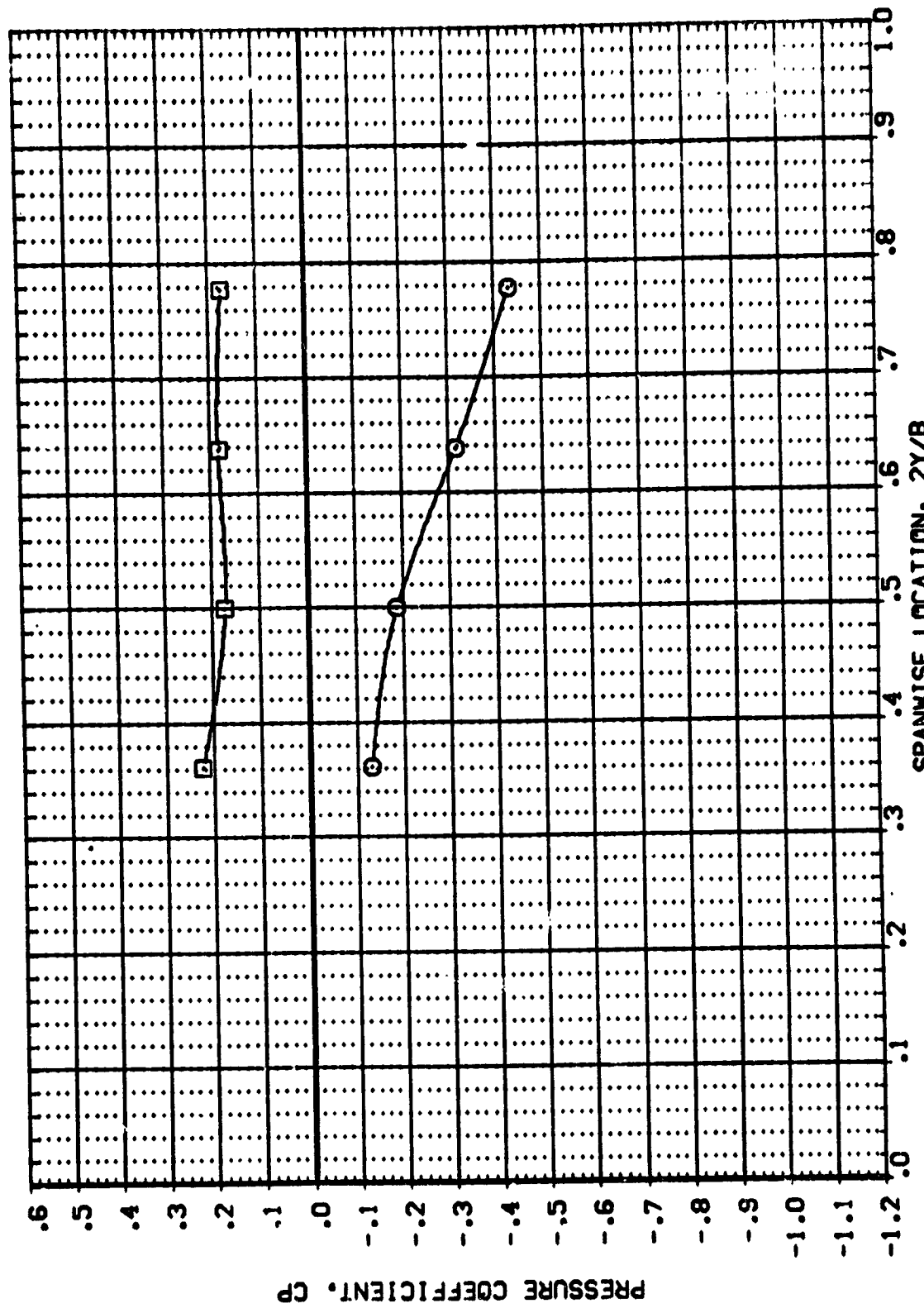


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 BETA = 3.920 X/C = .500



DATA SET S. 100. CONFIGURATION DESCRIPTION  
 (NF-4L03) IASB C1 F1  
 (NF-4L03) IASB C1 F1

UPPER WING SURFACE  
 LOWER WING SURFACE

ALPHA

.000

.000

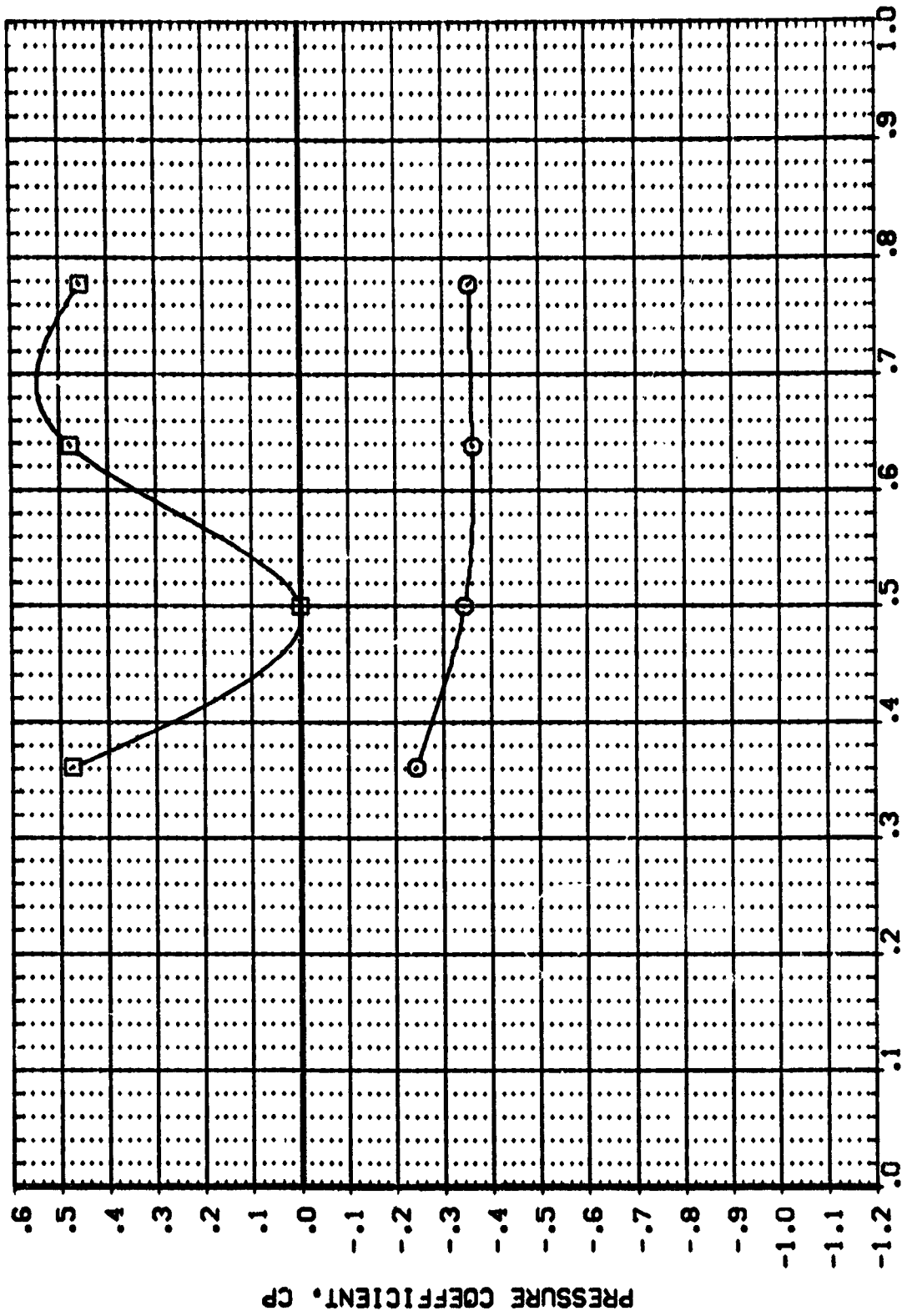


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 BETA = -3.910 X/C = .500

DATA SET SYMBOL: (RF4L03) (RF4L03) ALPHA: .000 .000  
 CONFIGURATION DESCRIPTION: UPPER WING SURFACE LOWER WING SURFACE  
 IASB C1 F1 IASB C1 F1

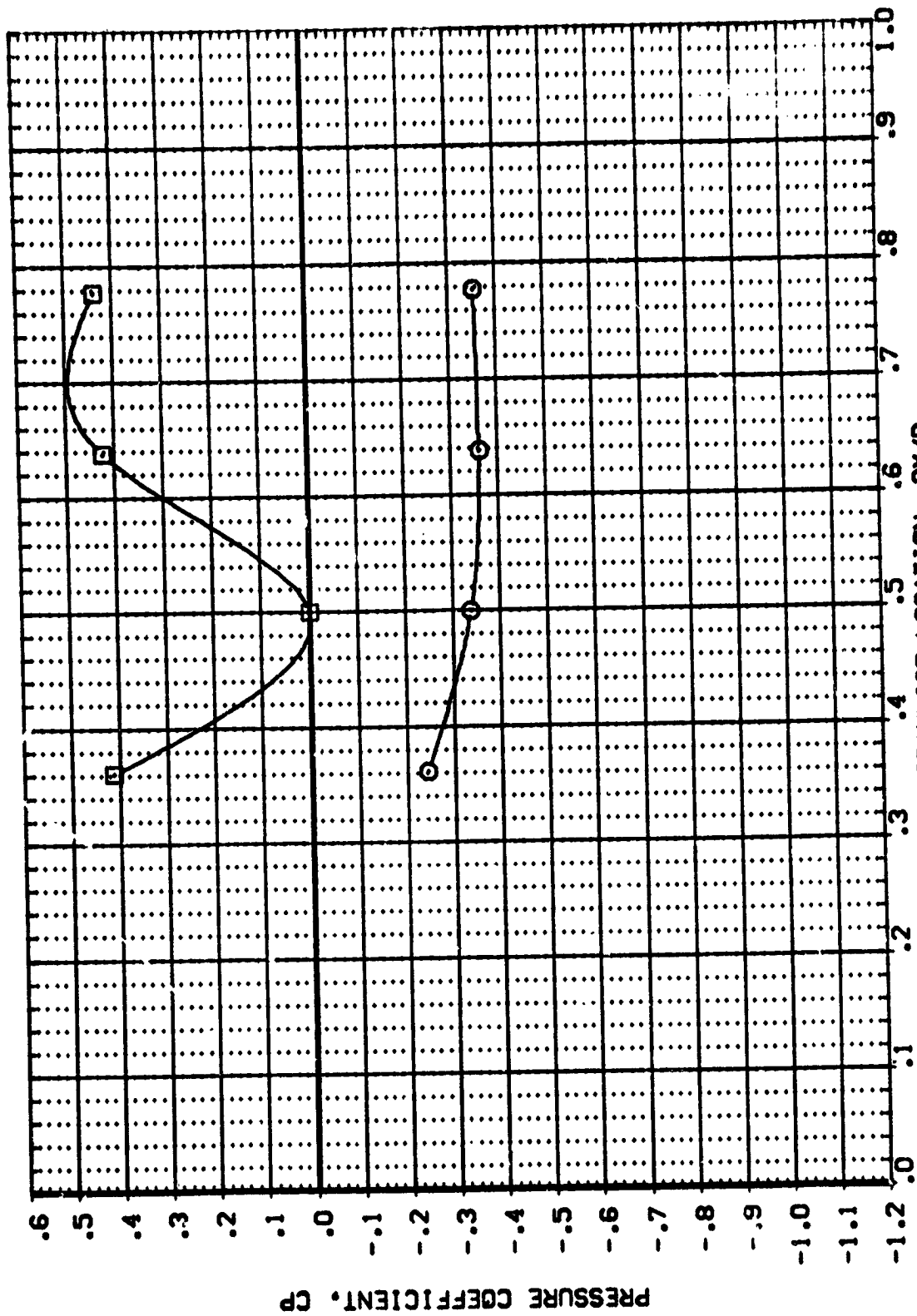


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 BETA = -1.980 X/C = .500



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(NF4L03) (A58 C1 F1)  
(RF4L03) (A58 C1 F1)

UPPER WING SURFACE  
LOWER WING SURFACE

ALPHA

.000  
.000

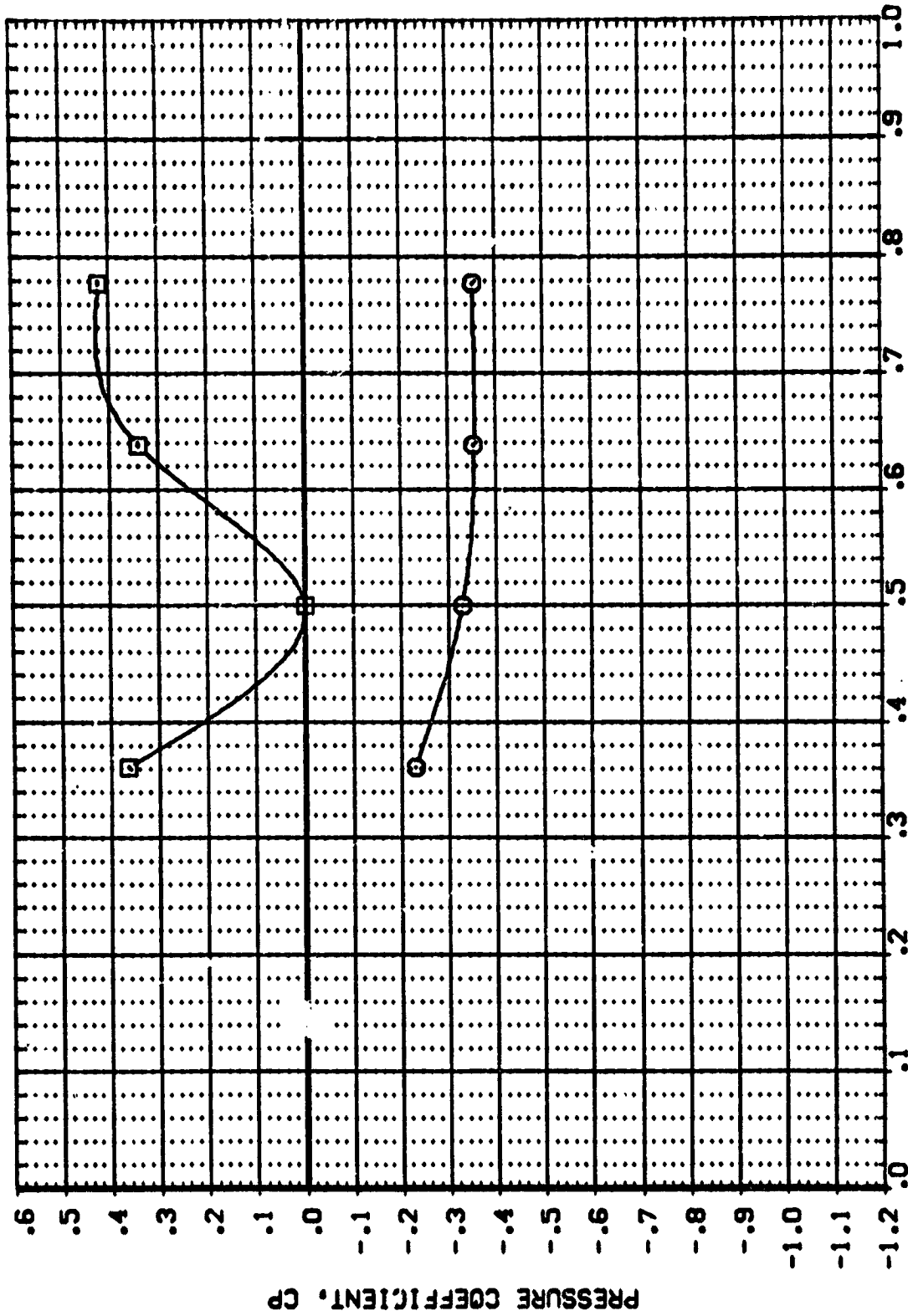


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 BETA = -0.070 X/C = .500

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RFA403) (RFA403) (RFA403)  
 (RFA403) (RFA403) (RFA403)

ALPHA  
 .000  
 .000  
 UPPER WING SURFACE  
 LOWER WING SURFACE

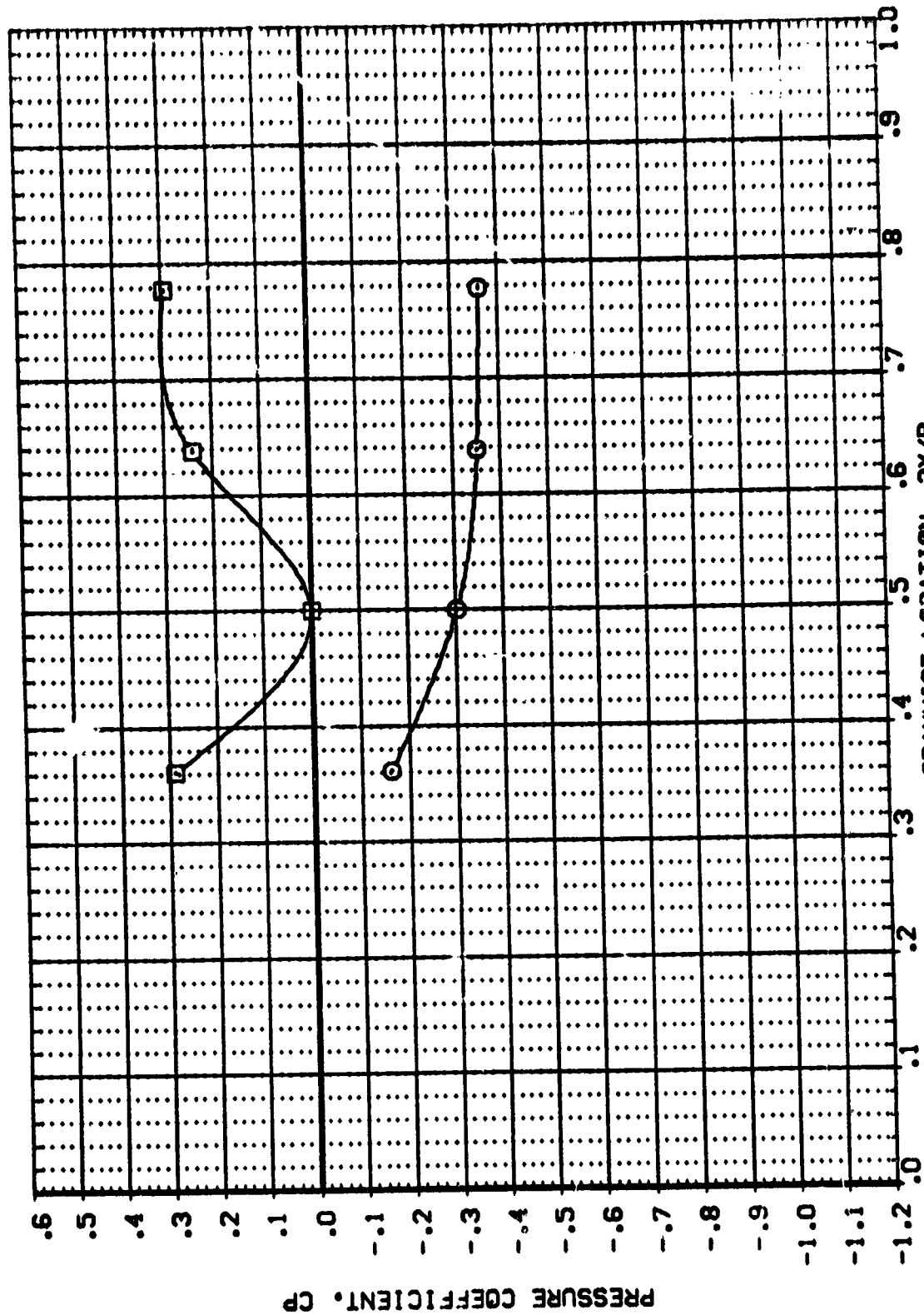


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 BETA = 1.910 X/C = .500



DATA SET SYMBOL: (RF4L03)

CONFIGURATION DESCRIPTION:  
I ASB C1 F1  
I ASB C1 F1

UPPER WING SURFACE  
LOWER WING SURFACE

ALPHA: .000

ALPHA: .000

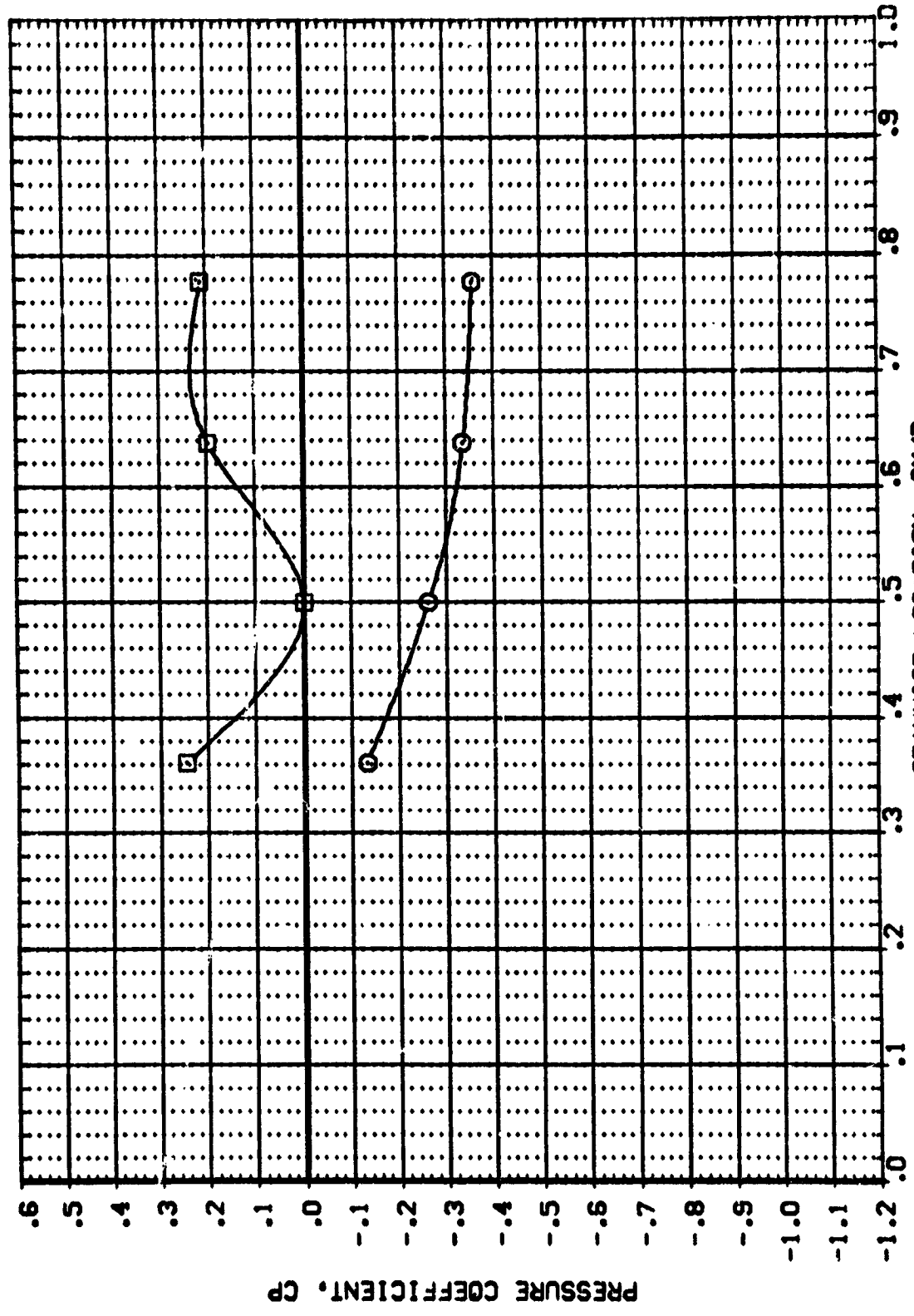


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 BETA = 3.980 X/C = .500

DATA SET SYMBOL: (RF4L03) (RF4L03)  
 CONFIGURATION DESCRIPTION: IASB C1 F1 IASB C1 F1

UPPER WING SURFACE  
 LOWER WING SURFACE

ALPHA  
 .000  
 .000

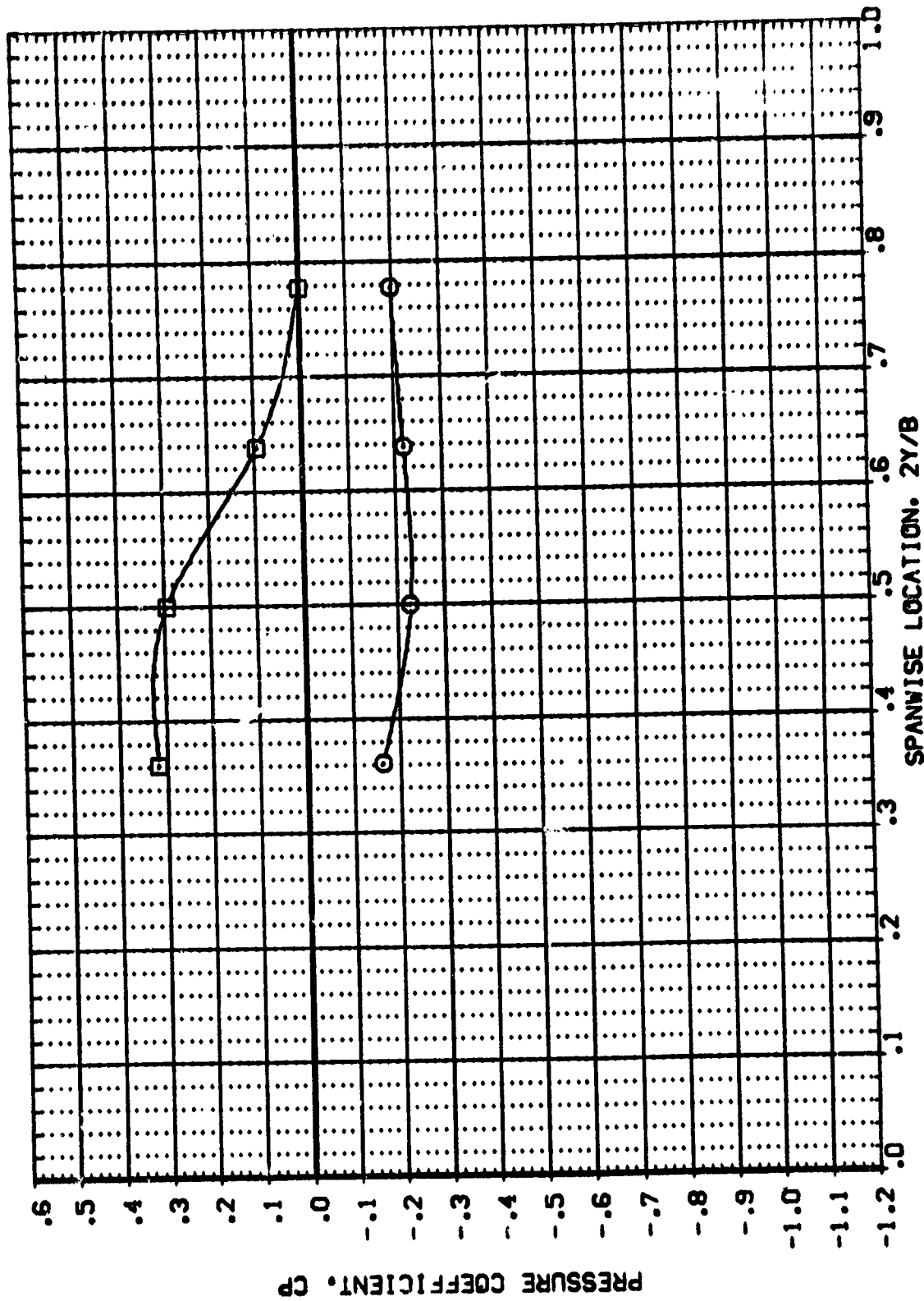


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 BETA = -3.830 X/C = .500





DATA SET SYMB. (RF4L03) (RF4L03)  
 CONFIGURATION DESCRIPTION IASB C1 F1 IASB C1 F1

UPPER WING SURFACE  
 LOWER WING SURFACE

ALPHA .000  
 .000

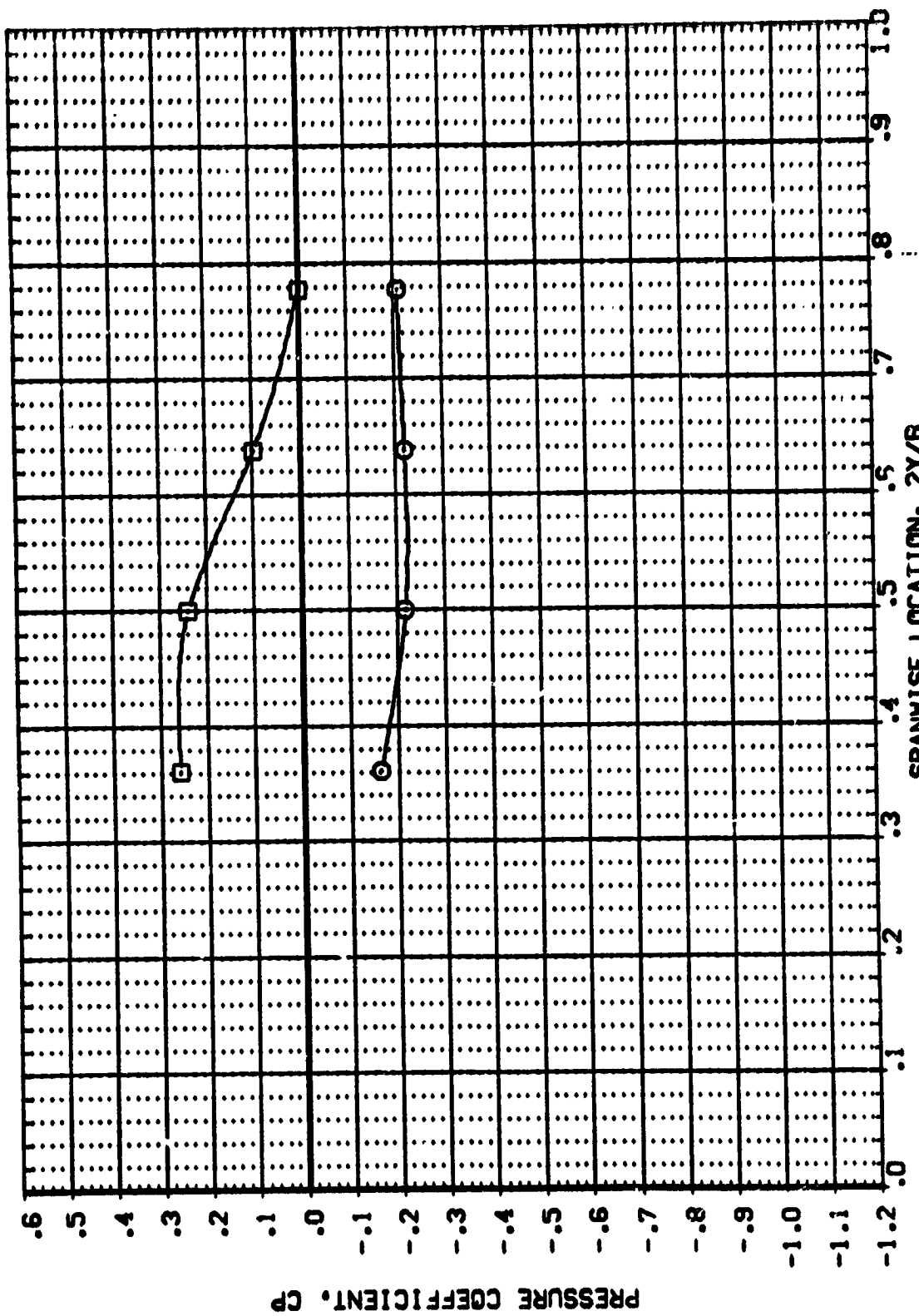


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 BETA = -1.900 X/C = .500

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DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 (RF4L03) (ASB C1 F1)  
 (RF4L03) (ASB C1 F1)

ALPHA .000  
 UPPER WING SURFACE .000  
 LOWER WING SURFACE .000

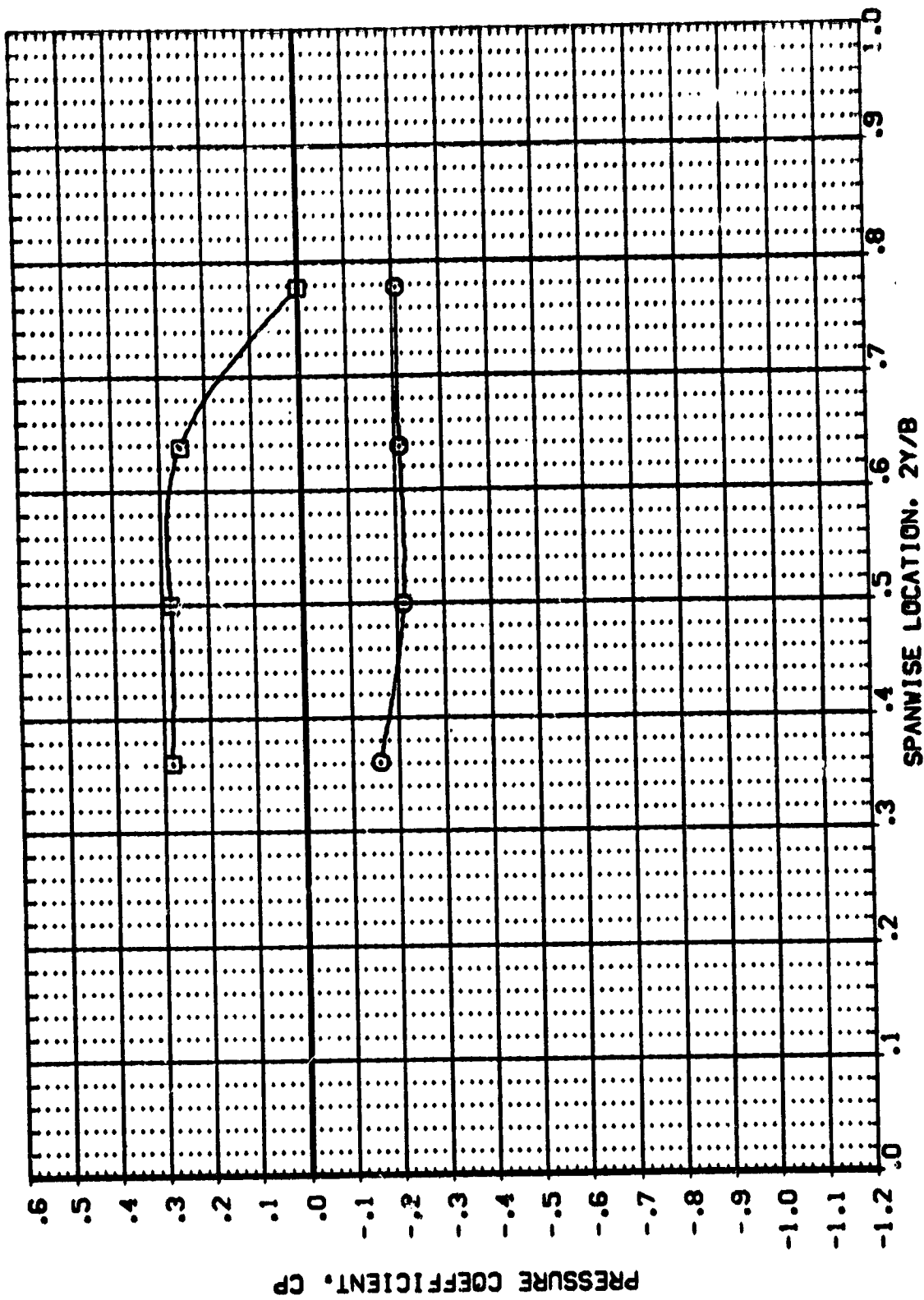


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 BETA = .050 X/C = .500



DATA SET 5-130L CONFIGURATION DESCRIPTION  
(NF403) IASB CI F1  
(NF403) IASB CI F1

ALPHA  
UPPER WING SURFACE .000  
LOWER WING SURFACE .000

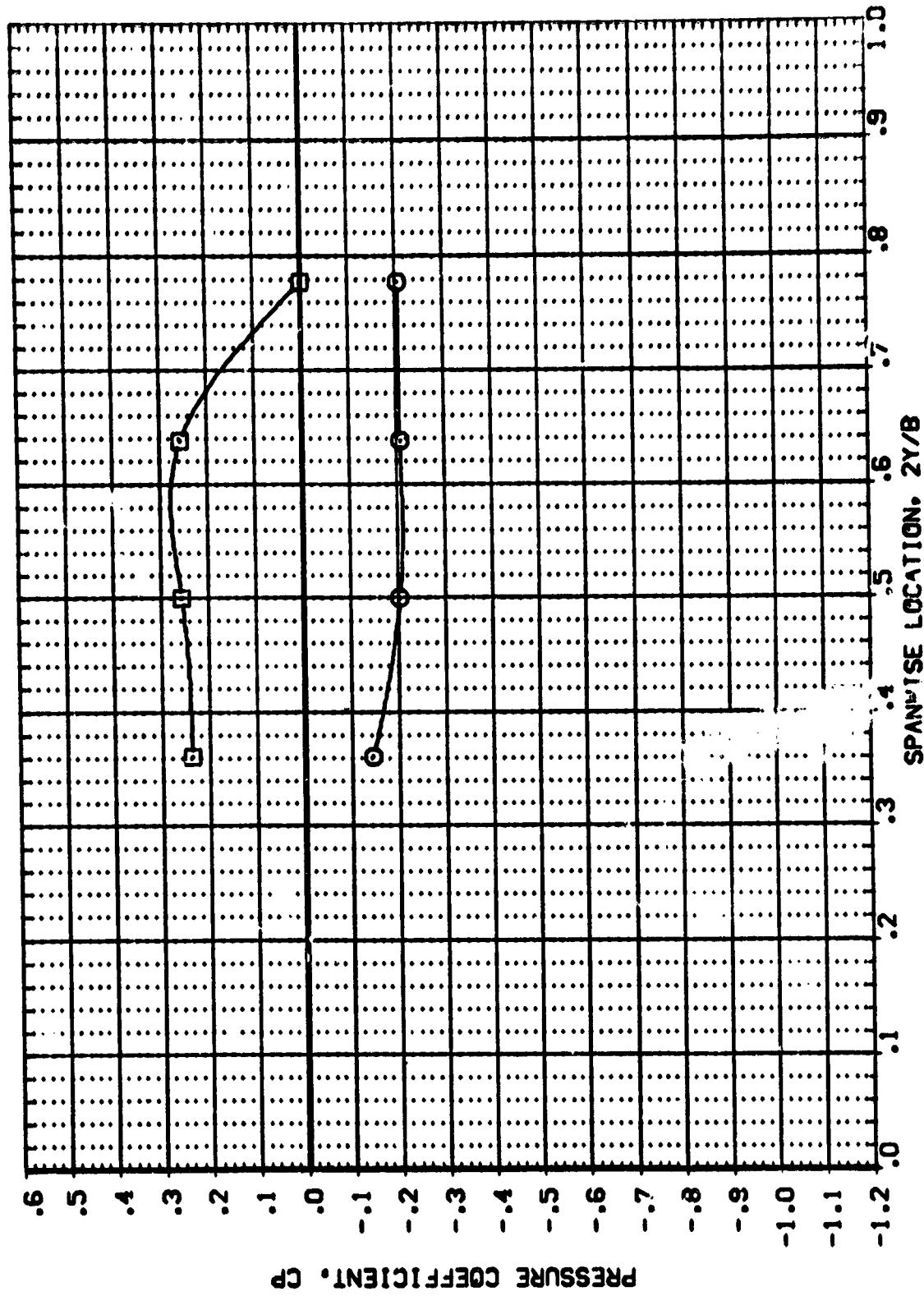


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 BETA = 2.020 X/C = .500

DATA SET SYMBOL [A68] [A68] CONFIGURATION DESCRIPTION [A68] [A68] ALPHA .000  
 [A68] [A68] UPPER WING SURFACE .000  
 [A68] [A68] LOWER WING SURFACE .000

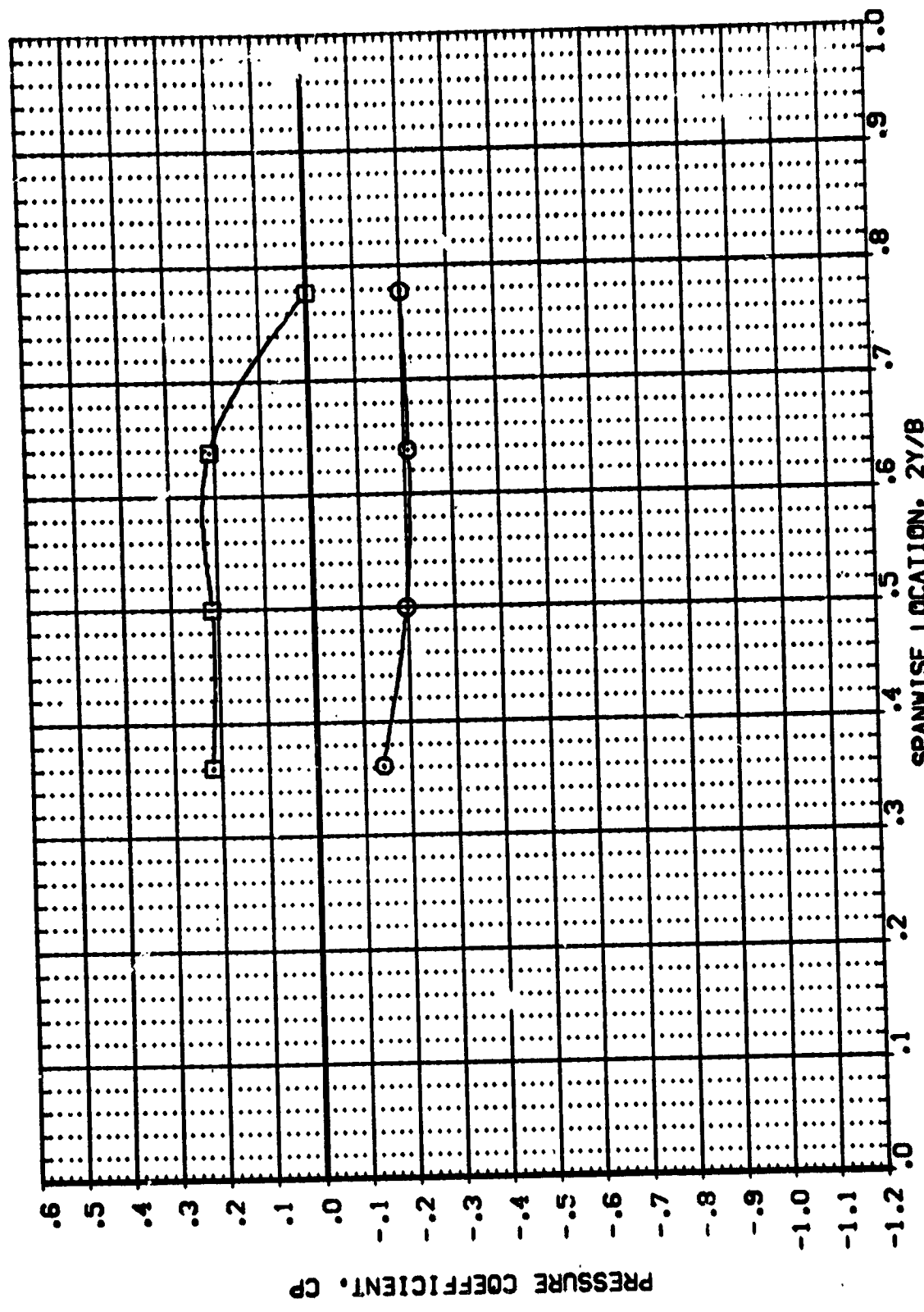


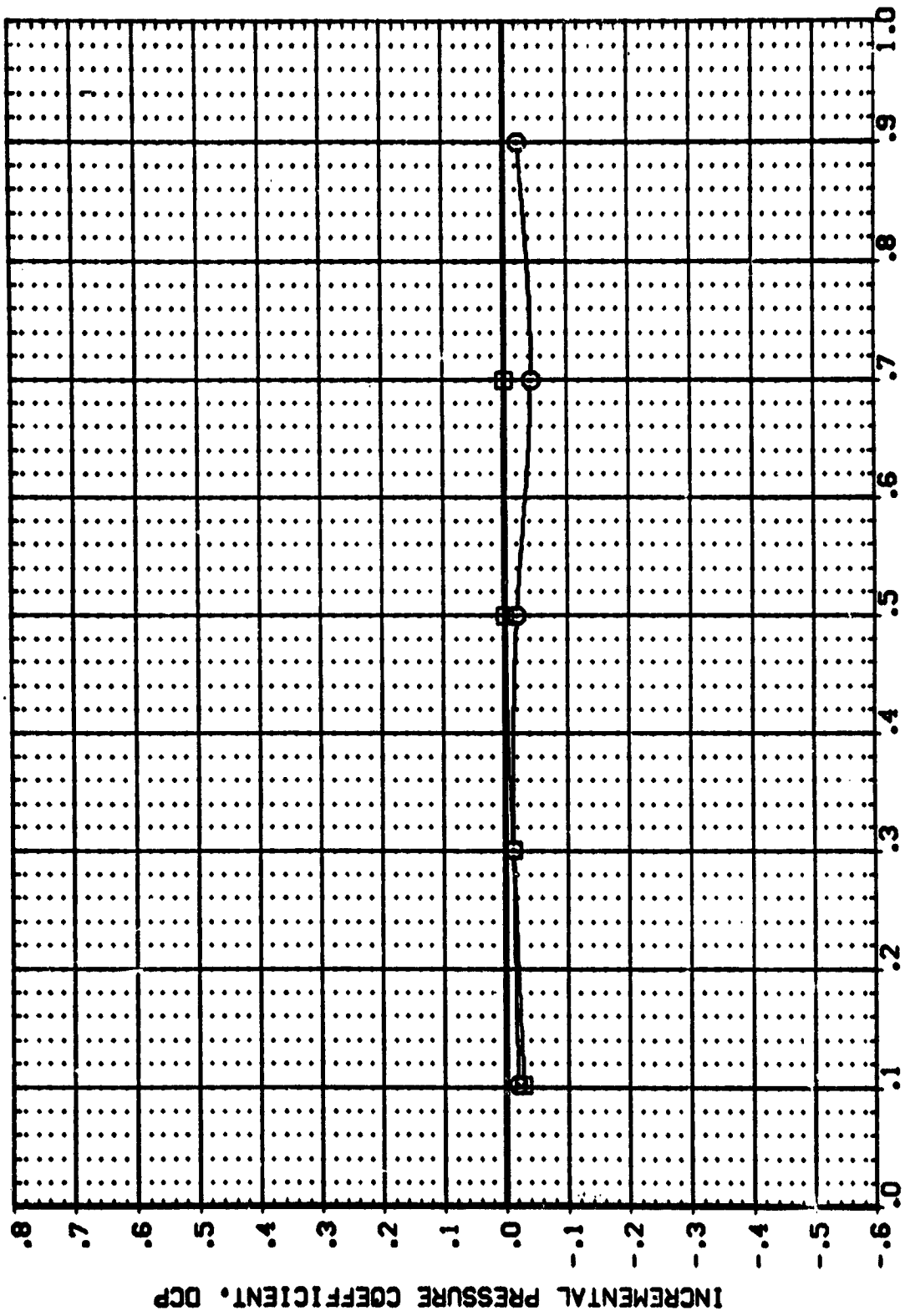
FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 BETA = 3.890 X/C = .500



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (AFALDA)    (AFALDA)    { C1 F1 M1(1) } - { C1 F1 } UPPER WING  
 (AFALDA)    (AFALDA)    { C1 F1 M1(1) } - { C1 F1 } LOWER WING

BETA  
 .000  
 .000



REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS  
 MACH = .896    ALPHA = -3.870    2Y/B = .500

DATA SET SYMBOL: (AF4LOA) }  
 CONFIGURATION DESCRIPTION: (AF4LOA) }  
 IAGB ( C1 F1 M1(1) ) - ( C1 F1 ) UPPER WING  
 IAGB ( C1 F1 M1(1) ) - ( C1 F1 ) LOWER WING

BETA  
 .000  
 .000

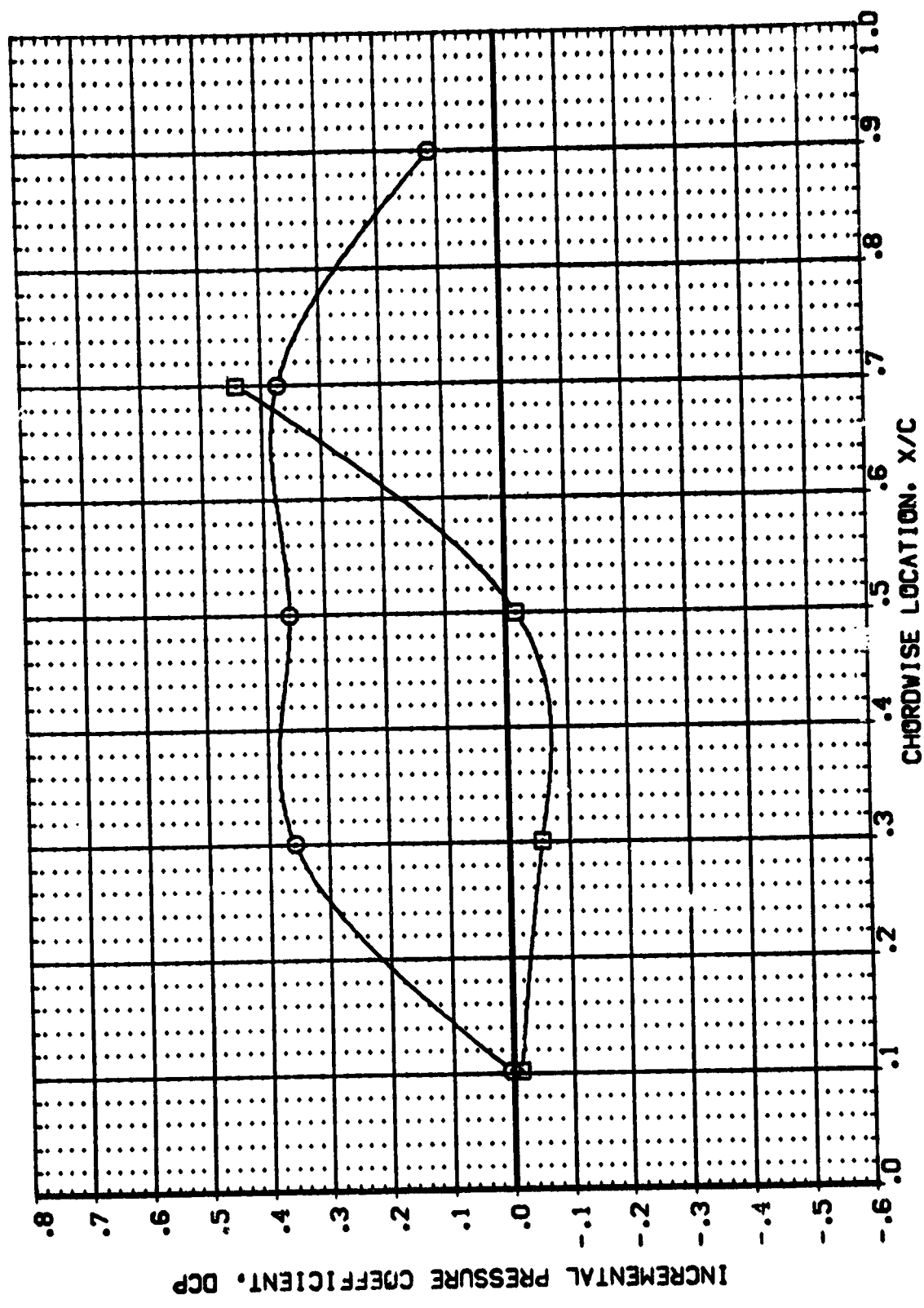


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -2.000 2Y/B = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 {AF4LOA} □ IASB {C1 F1 MI(1)} - {C1 F1 } UPPER WING  
 {AF4LOA} □ IASB {C1 F1 MI(1)} - {C1 F1 } LOWER WING

BETA  
 .000  
 .000

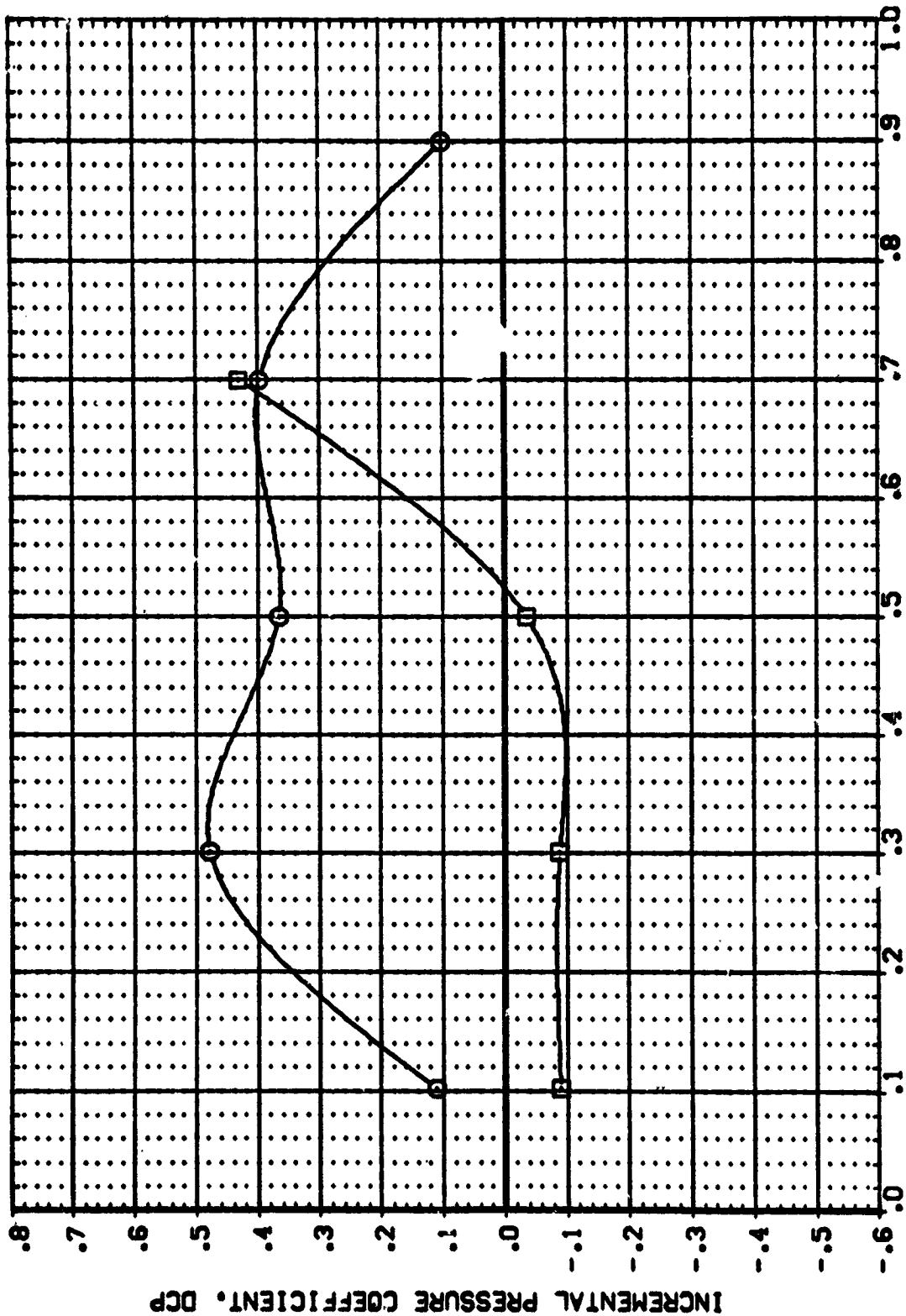


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = .000 2Y/B = .500



BETA  
.000  
.000

DATA SET SYMBOL: [AF4L04] [AF4L04] [AF4L04]  
CONFIGURATION DESCRIPTION: [C1 F1 M1(1)] [C1 F1] UPPER WING  
[C1 F1 M1(1)] [C1 F1] LOWER WING

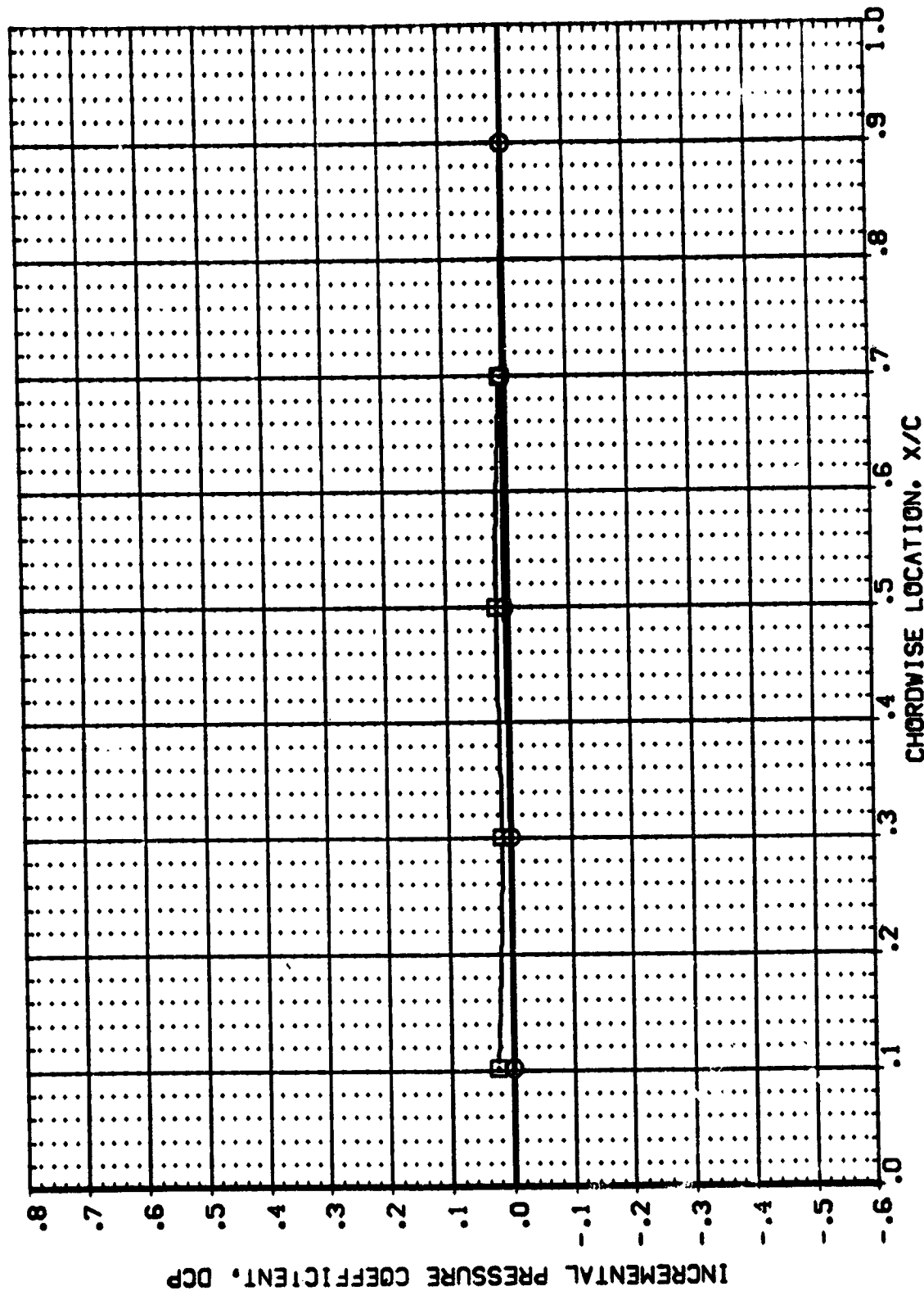


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = -3.910 2Y/B = .500





DATA SET SYMBOL: (AF4LOA) (AF4LOA)   
 CONFIGURATION DESCRIPTION: IASB { C1 F1 M1(1) } - { C1 F1 } UPPER WING   
 IASB { C1 F1 M1(1) } - { C1 F1 } LOWER WING   
 BETA: .000

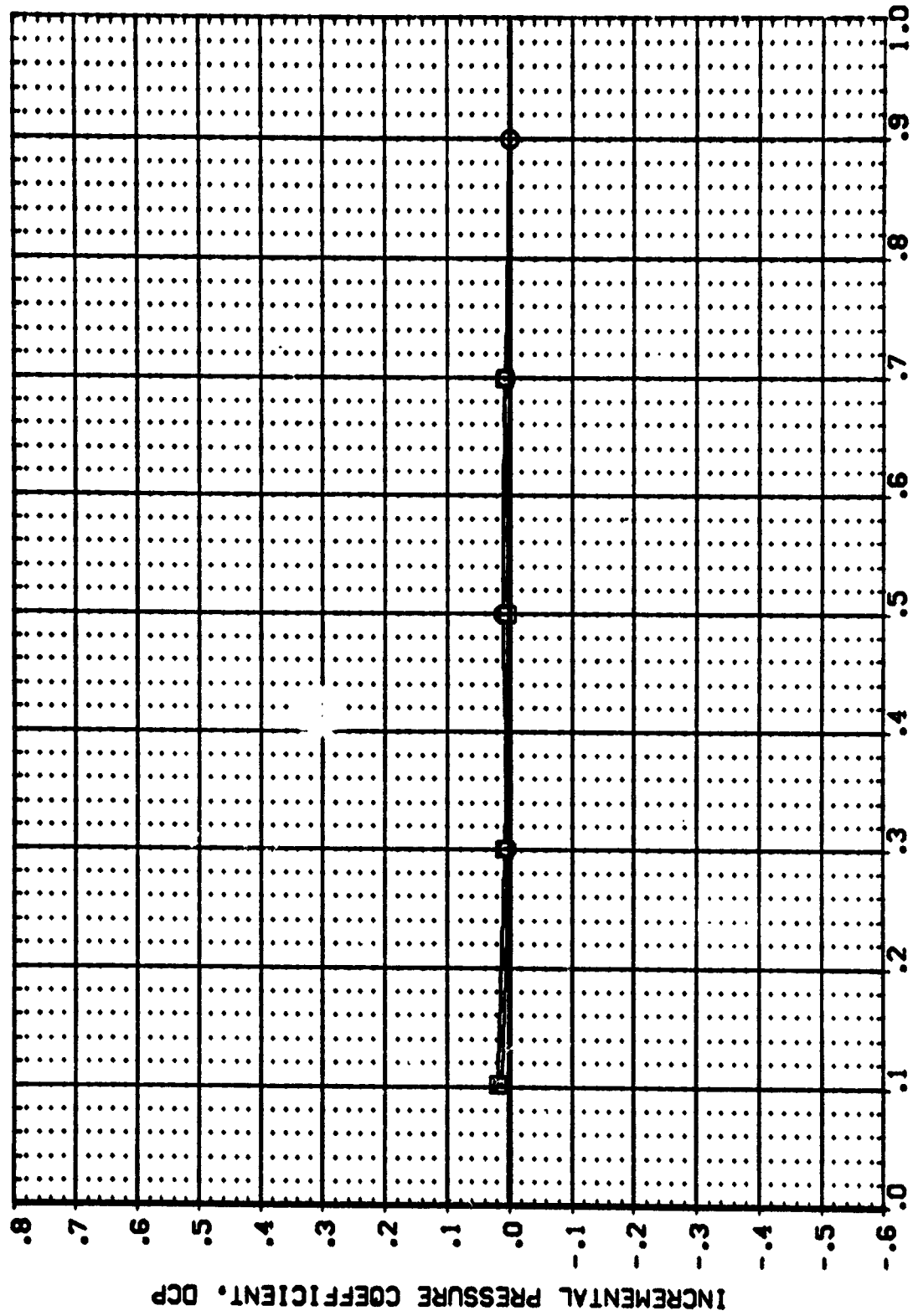


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = -1.930 2Y/B = .500

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 {AF4LO4} □ IASB { C1 F1 M1(1) } - { C1 F1 } UPPER WING  
 {AF4LO4} □ IASB { C1 F1 M1(1) } - { C1 F1 } LOWER WING

BETA .000  
 .000

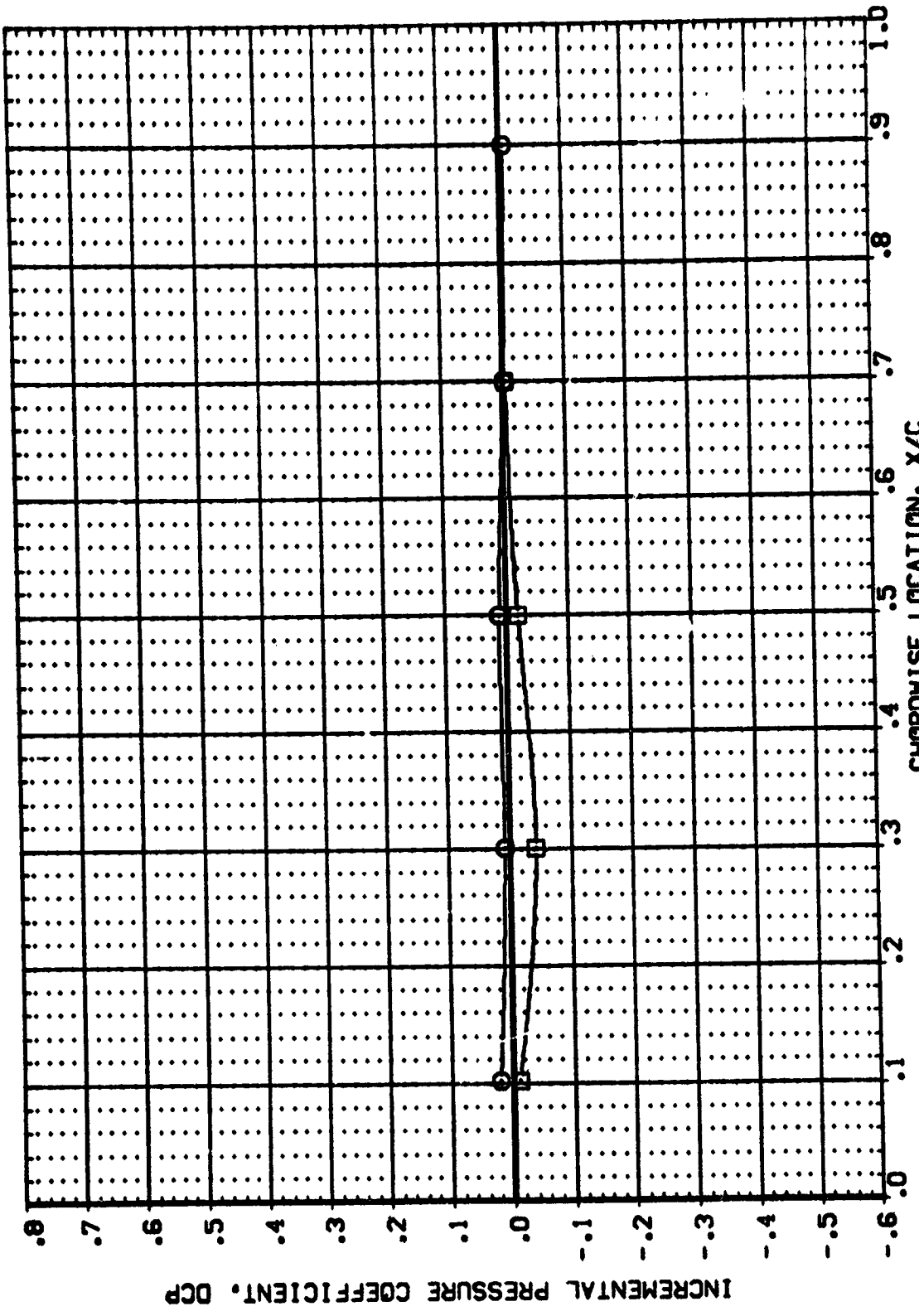


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = .000 2Y/B = .500 PAGE 88



DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 (AF4L04) 1A88 ( C1 F1 M1(1) ) - ( C1 F1 ) UPPER WING .000  
 (AF4L04) 1A88 ( C1 F1 M1(1) ) - ( C1 F1 ) LOWER WING .000

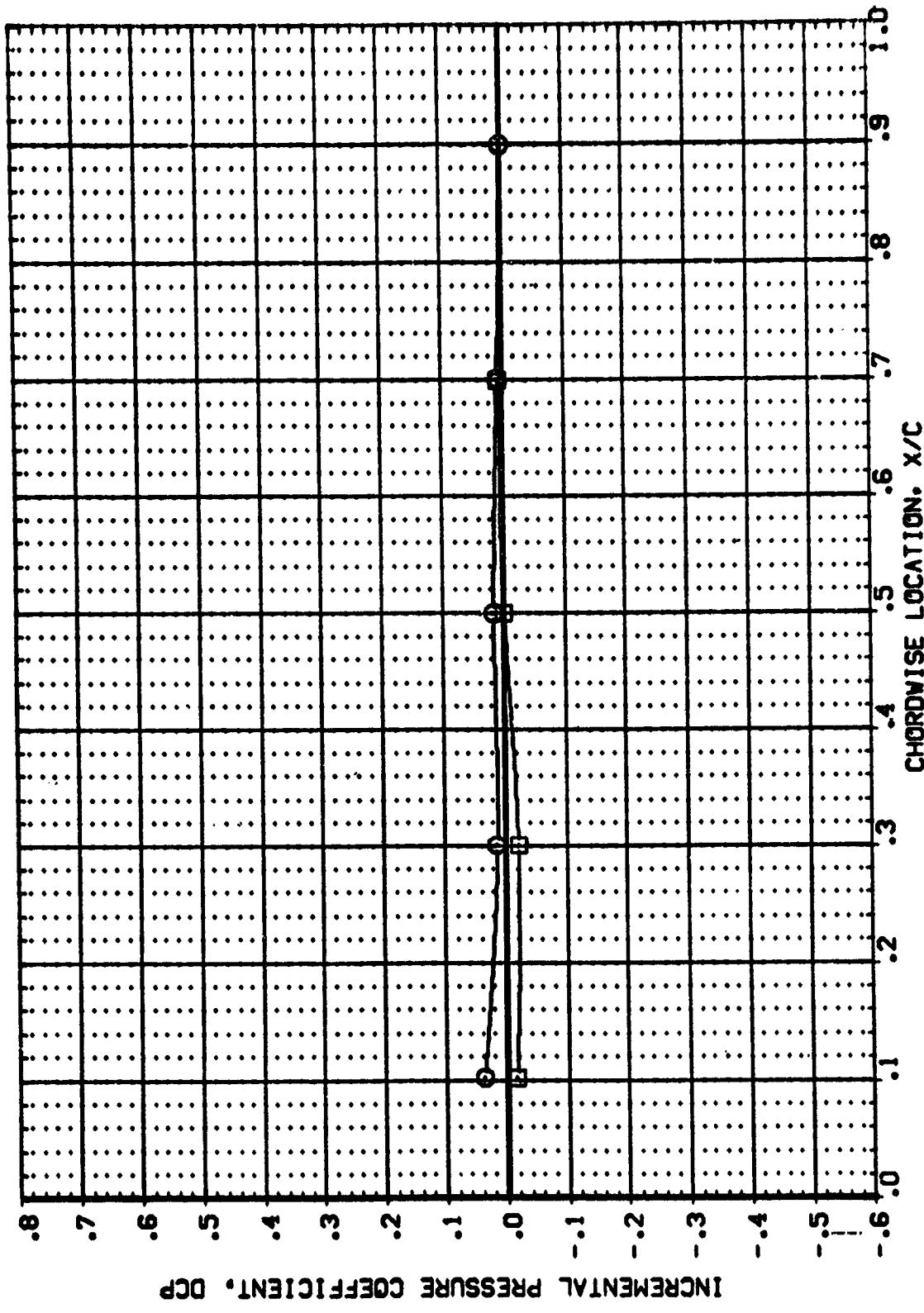


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = 1.930 2Y/B = .500 PAGE 89

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATA SET SYMB. CONFIGURATION DESCRIPTION BETA  
 (AF4LO4) □ IAGB (C) F1 MI(1) ) - (C) F1 ) UPPER WING .000  
 (AF4LO4) □ IAGB (C) F1 MI(1) ) - (C) F1 ) LOWER WING .000

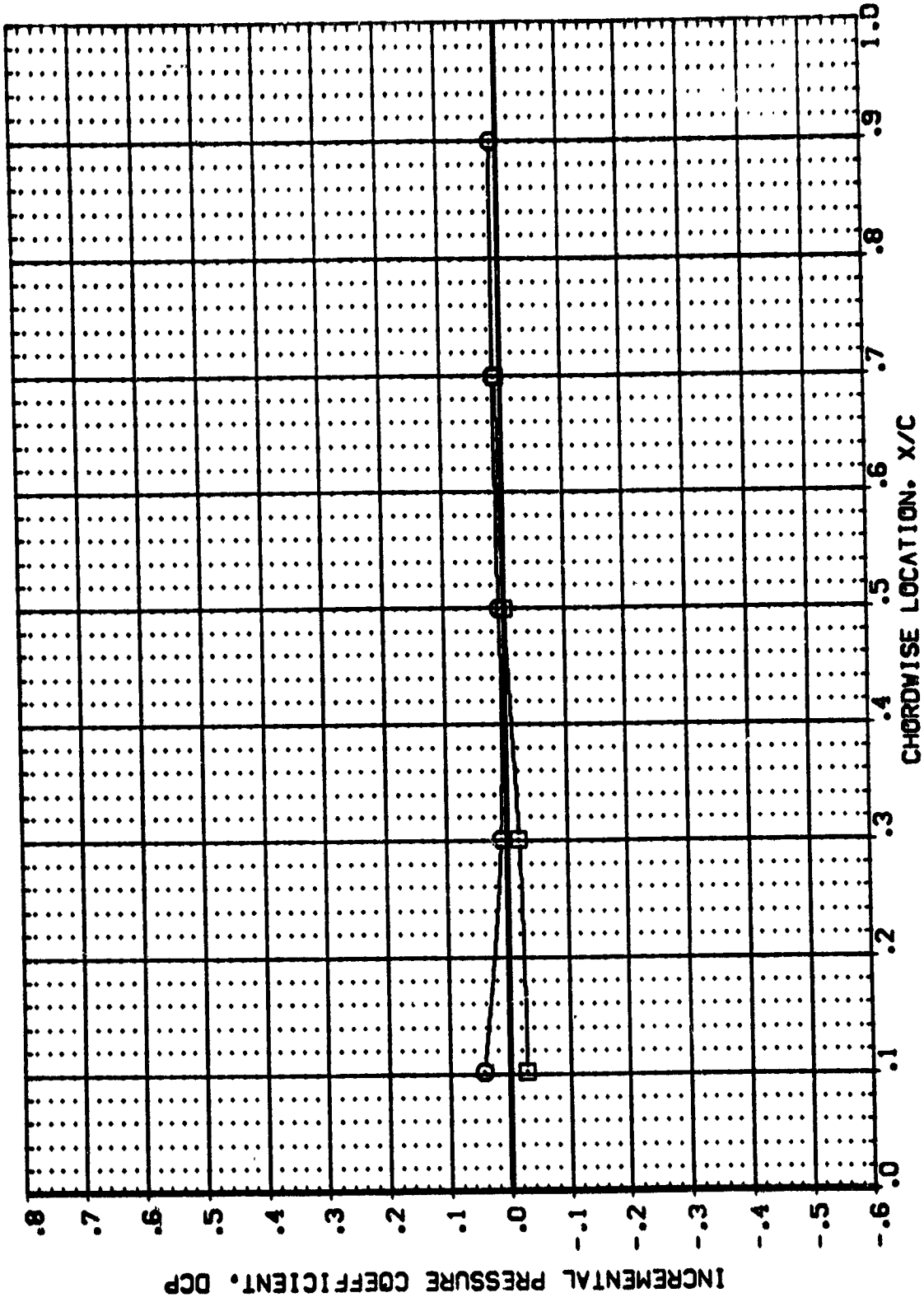


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = 3.900 2Y/B = .500 CHORDWISE LOCATION, X/C PAGE 90



DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 (AFAL04) [ ] IAGB ( C1 F1 M1(1) ) - [ C1 F1 ] UPPER WING  
 (AFAL04) [ ] IAGB ( C1 F1 M1(1) ) - [ C1 F1 ] LOWER WING

BETA  
 .000  
 .000

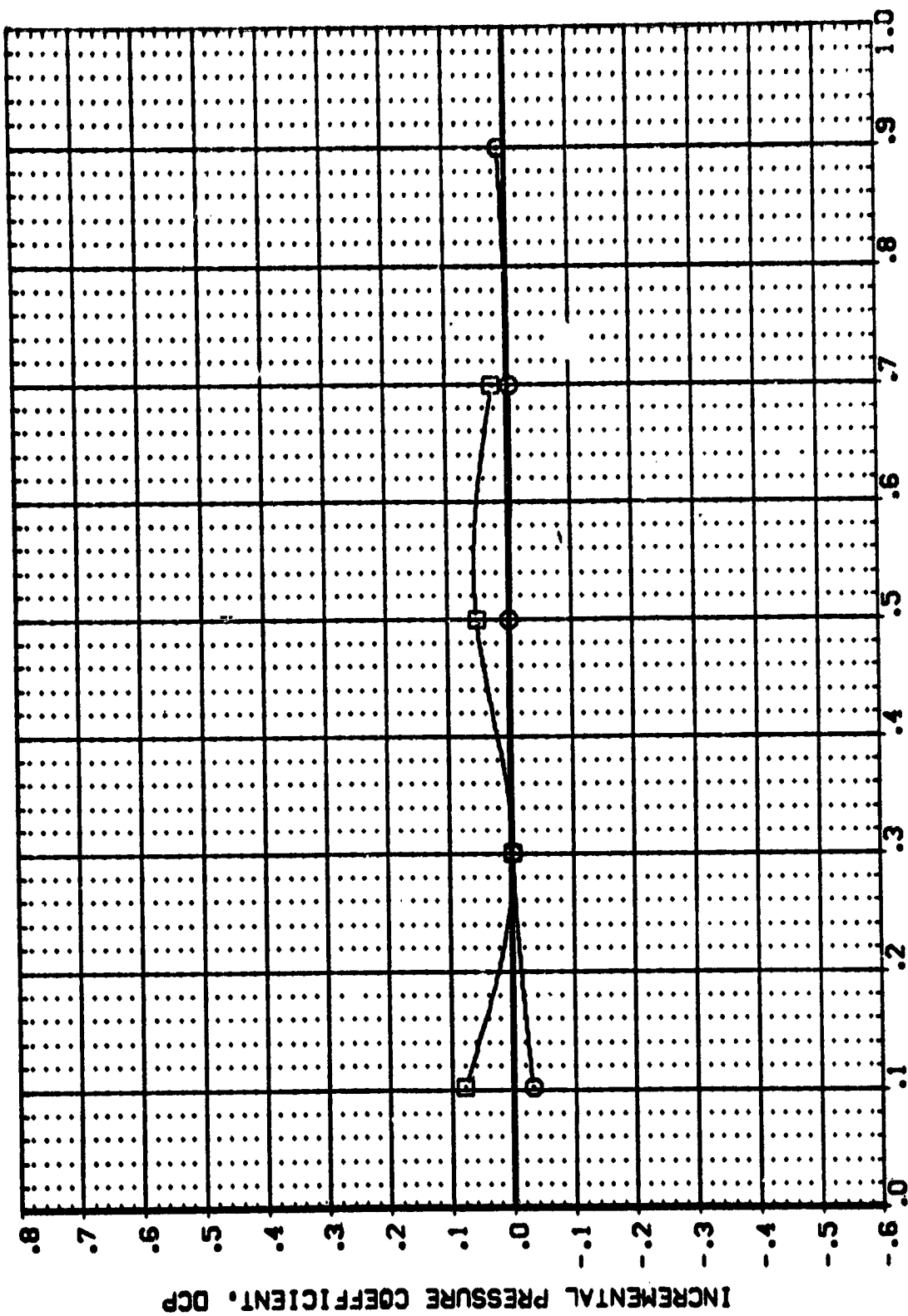


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -3.960 2Y/B = .500

DATA SET SYMBOL: [AF4LO4] [AF4LO4]   
 CONFIGURATION DESCRIPTION: IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING   
 IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING   
 BETA: .000   
 .000

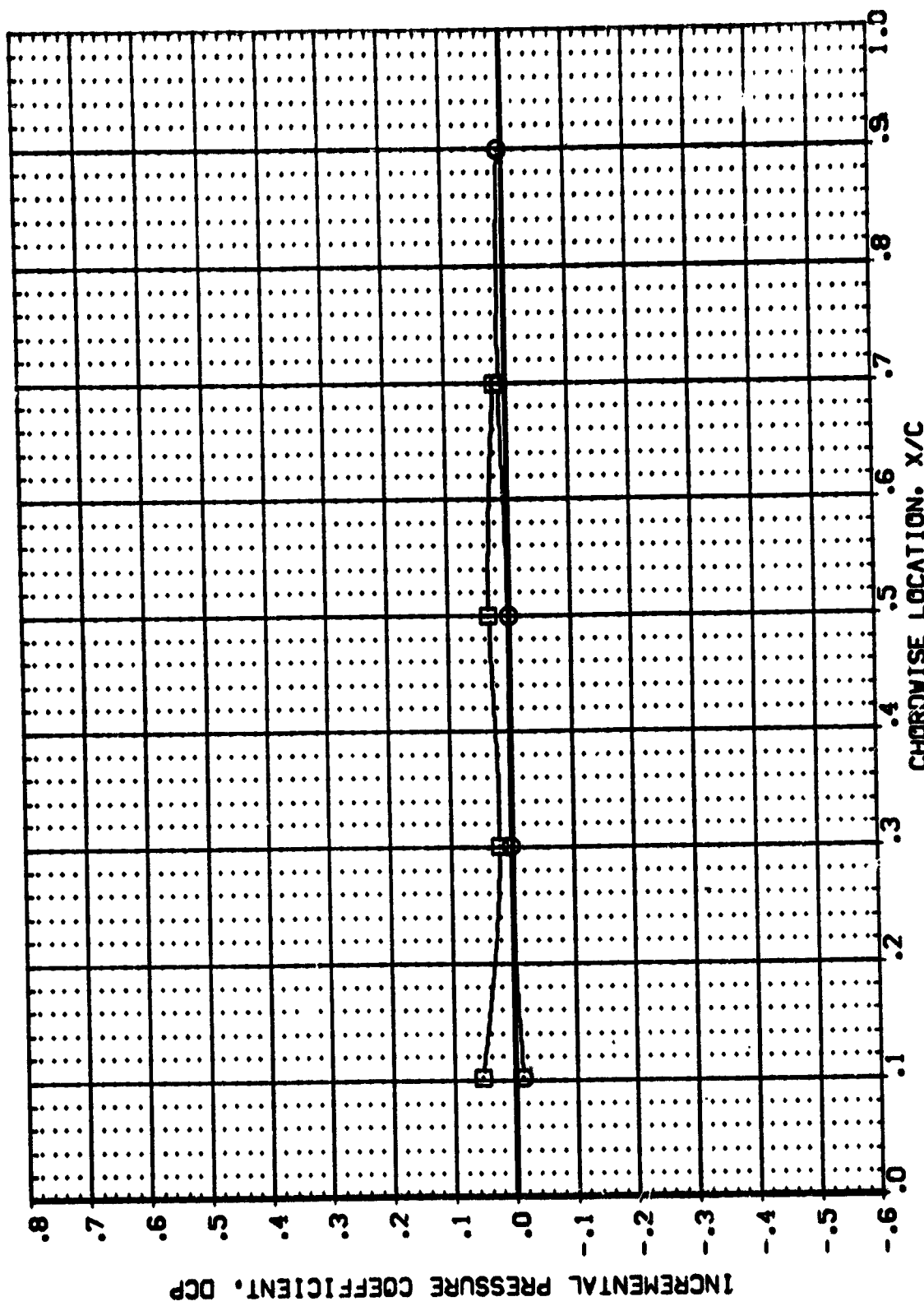


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -1.870 2Y/B = .500 PAGE 92



DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 {AFAL01} [AGB { C1 F1 M1(1) } - { C1 F1 } UPPER WING  
 {AFAL04} [AGB { C1 F1 M1(1) } - { C1 F1 } LOWER WING

BETA  
 .000  
 .000

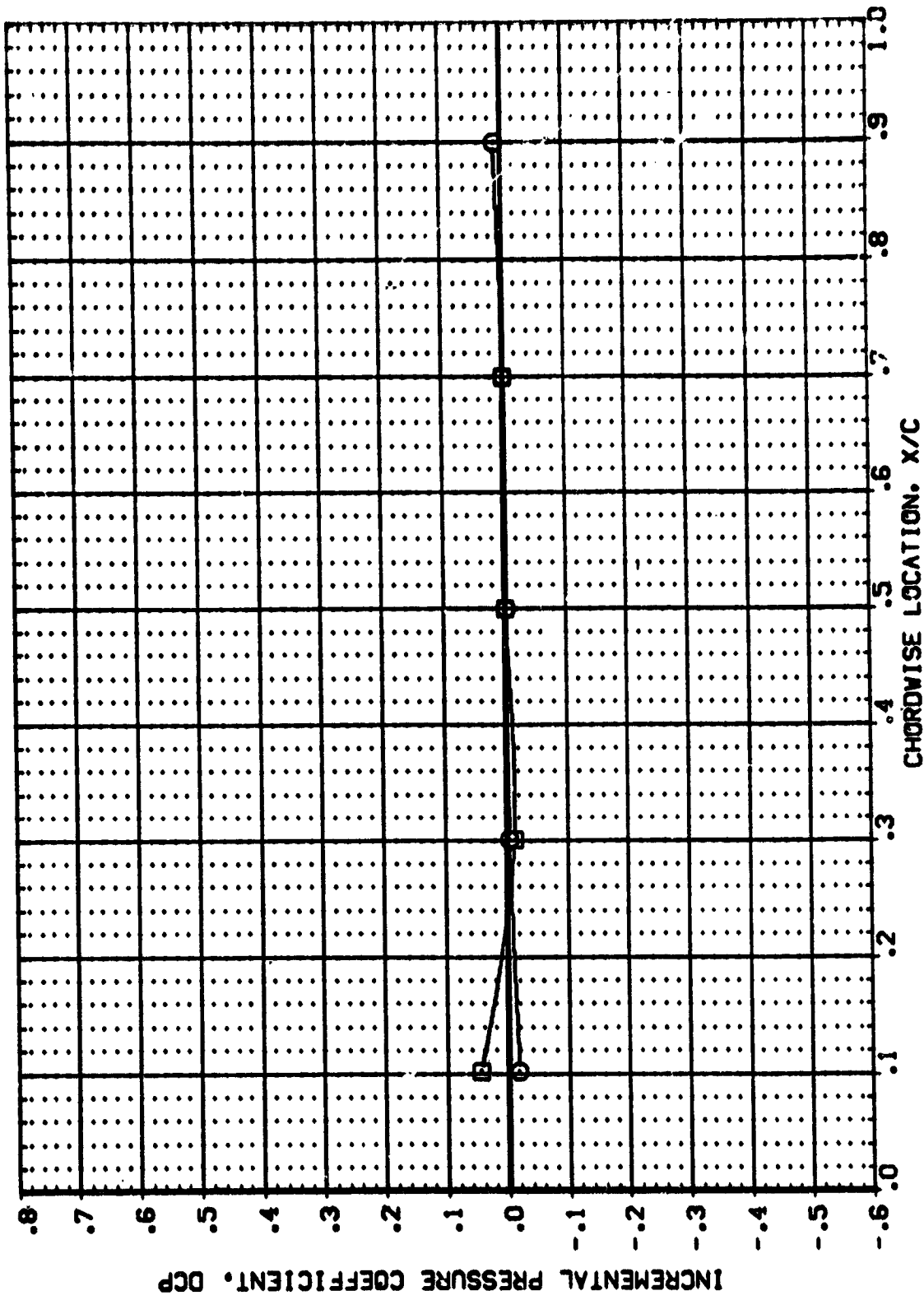


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

BETA  
.000  
.000

DATA SET SYMBOL: [ ]  
CONFIGURATION DESCRIPTION: IAGB ( C1 F1 M1(1) ) - ( C1 F1 ) UPPER WING  
IAGB ( C1 F1 M1(1) ) - ( C1 F1 ) LOWER WING

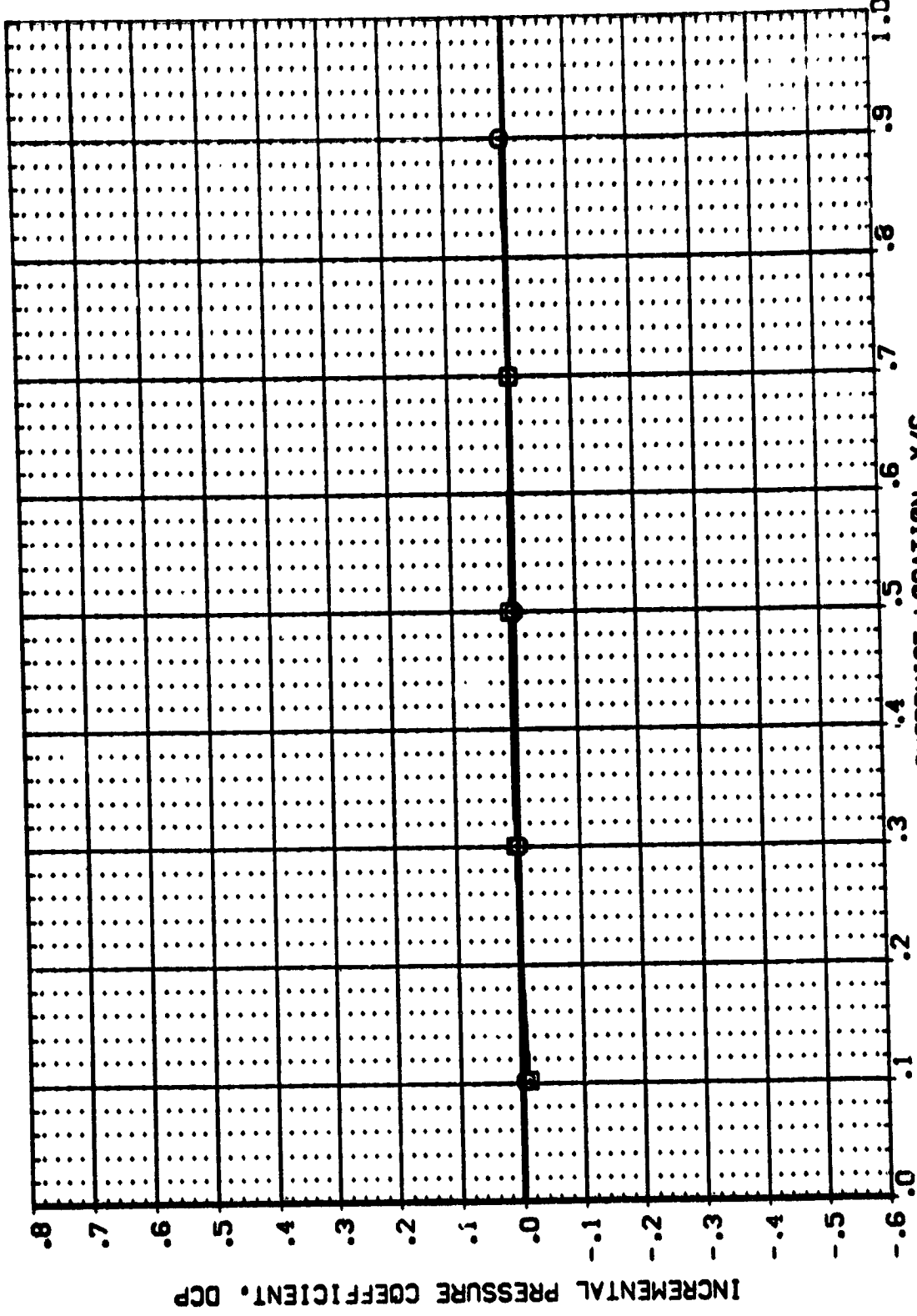


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 1.990 2Y/B = .500

PAGE 94





DATA SET SYMBOL: (AF4LD4) (AF4LD4)   
 CONFIGURATION DESCRIPTION: IAGB ( C1 F1 MI(1) ) - ( C1 F1 ) UPPER WING   
 IAGB ( C1 F1 MI(1) ) - ( C1 F1 ) LOWER WING   
 BETA: .000   
 .000

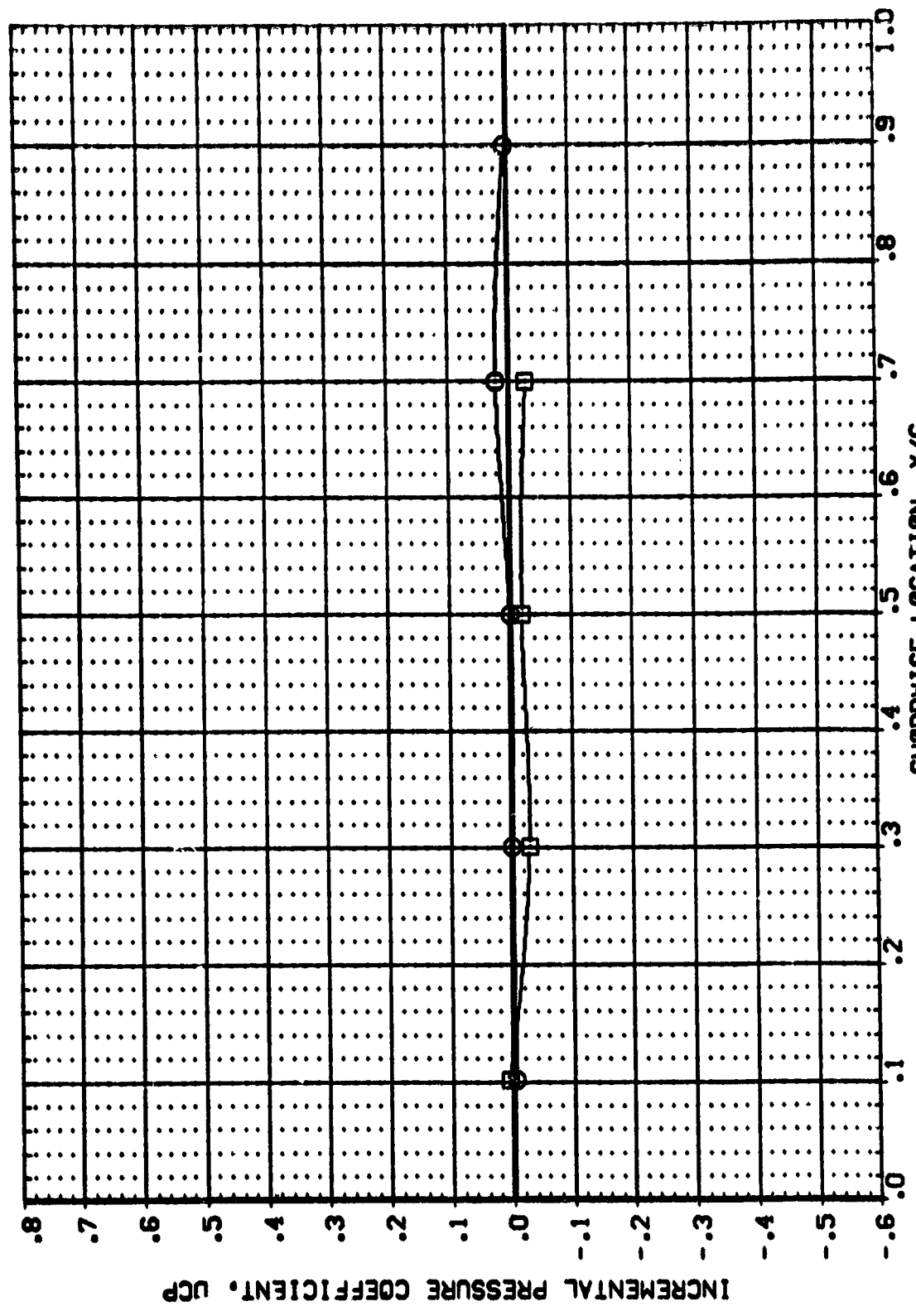


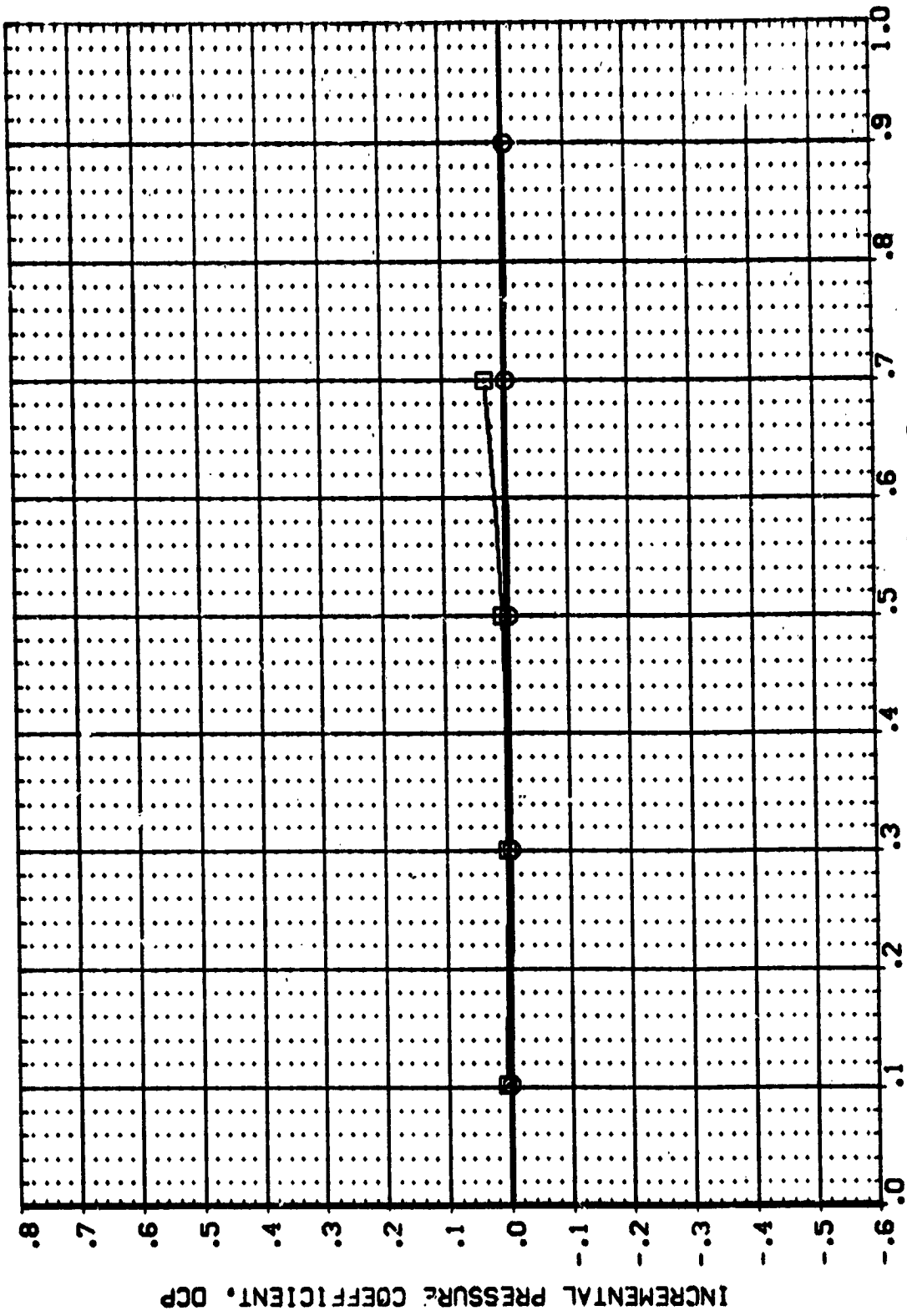
FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 3.930 2Y/B = .500 CHORDWISE LOCATION, X/C PAGE 95

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DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 {AF4LO4} [AF4LO4] { CI F1 MI(1) } - { CI F1 } UPPER WING  
 {AF4LO4} [AF4LO4] { CI F1 MI(1) } - { CI F1 } LOWER WING

BETA  
 .000  
 .000



CHORDWISE LOCATION, X/C

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -3.910 2Y/B = .500



DATA SET SYMBOL:  $\square$  CONFIGURATION DESCRIPTION: IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING  
 (AFAL0A) (AFAL0A) IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING  
 BETA: .000  
 .000

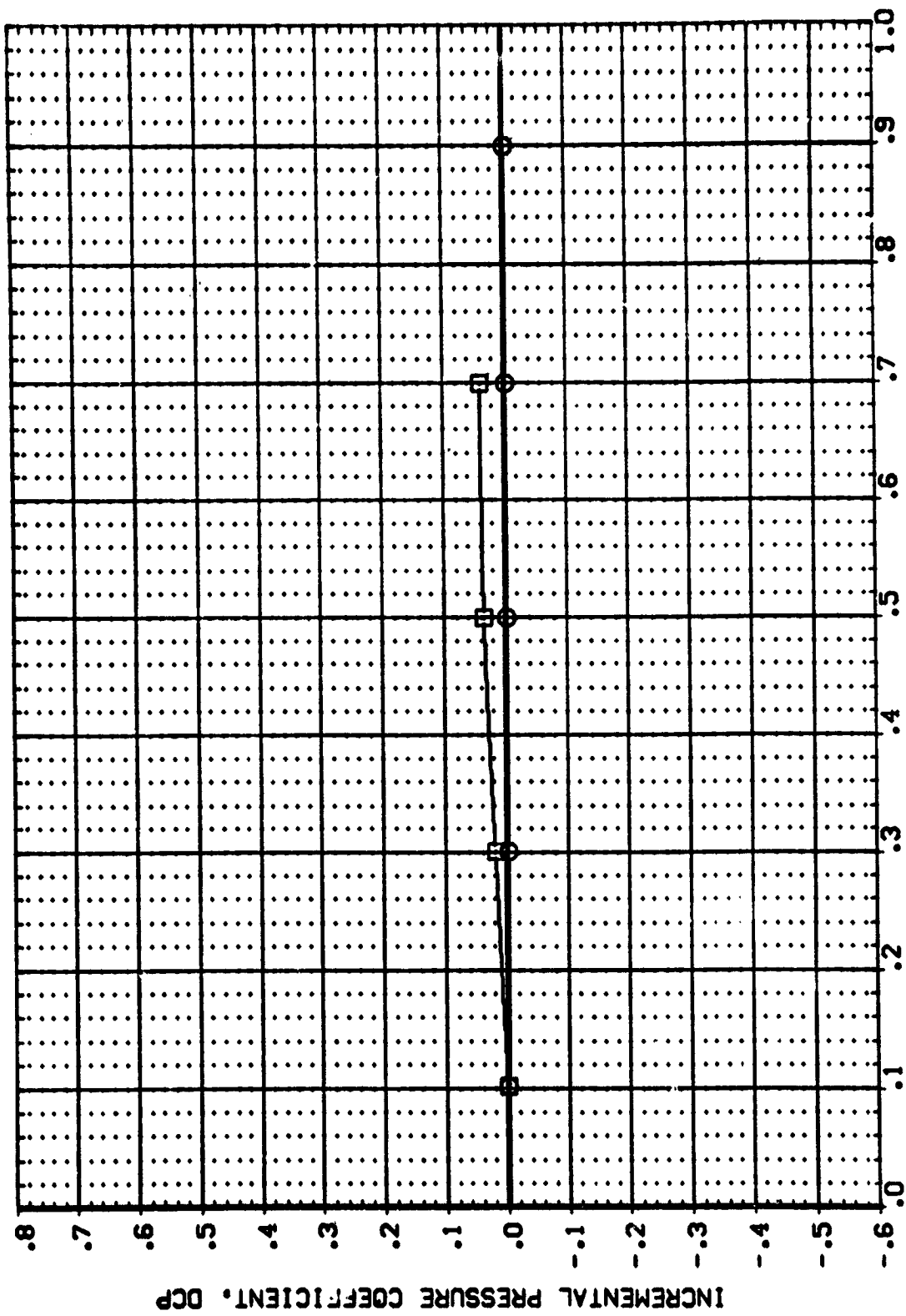


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -2.000 2Y/B = .500

BETA  
.000  
.000

DATA SET SYMB. CONFIGURATION DESCRIPTION  
( AF4LO4 ) IASB ( C1 F1 MI(1) ) - ( C1 F1 ) UPPER WING  
( AF4LO4 ) IASB ( C1 F1 MI(1) ) - ( C1 F1 ) LOWER WING

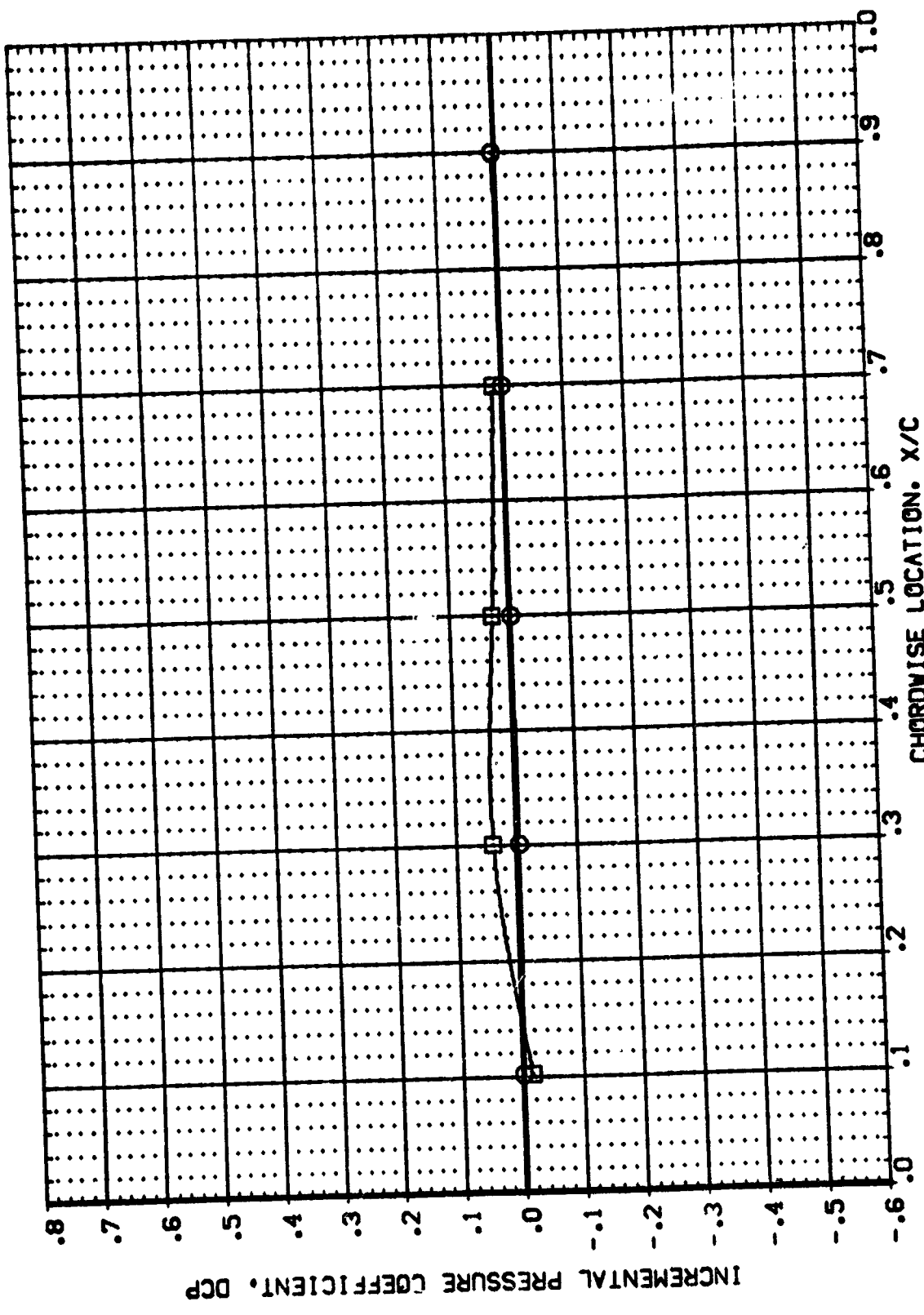


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -0.020 2Y/B = .500

DATA SET SYMBOL: [AF4LO4] [AF4LO4] [ASB] [ASB] CONFIGURATION DESCRIPTION: { C1 F1 } M1(1) - { C1 F1 } UPPER WING  
 { C1 F1 } M1(1) - { C1 F1 } LOWER WING

BETA: .000  
 .000

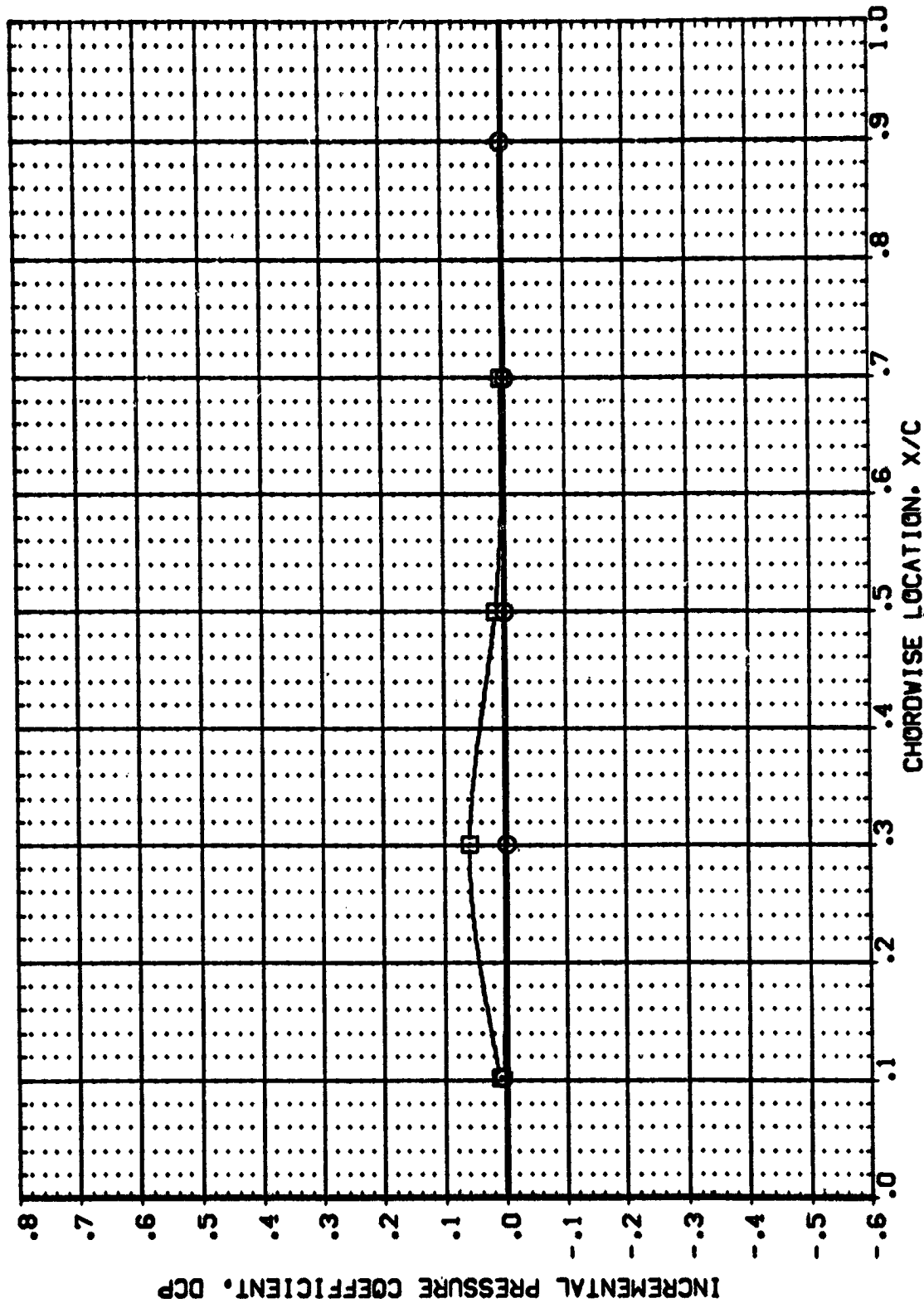


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 1.910 2Y/B = .500

DATA SET SYMBOL: [AF4LOA] [AF4LOA]   
 CONFIGURATION DESCRIPTION: IASB ( C1 F1 M1(1) ) - ( C1 F1 ) UPPER WING   
 IASB ( C1 F1 M1(1) ) - ( C1 F1 ) LOWER WING   
 BETA: .000   
 .000

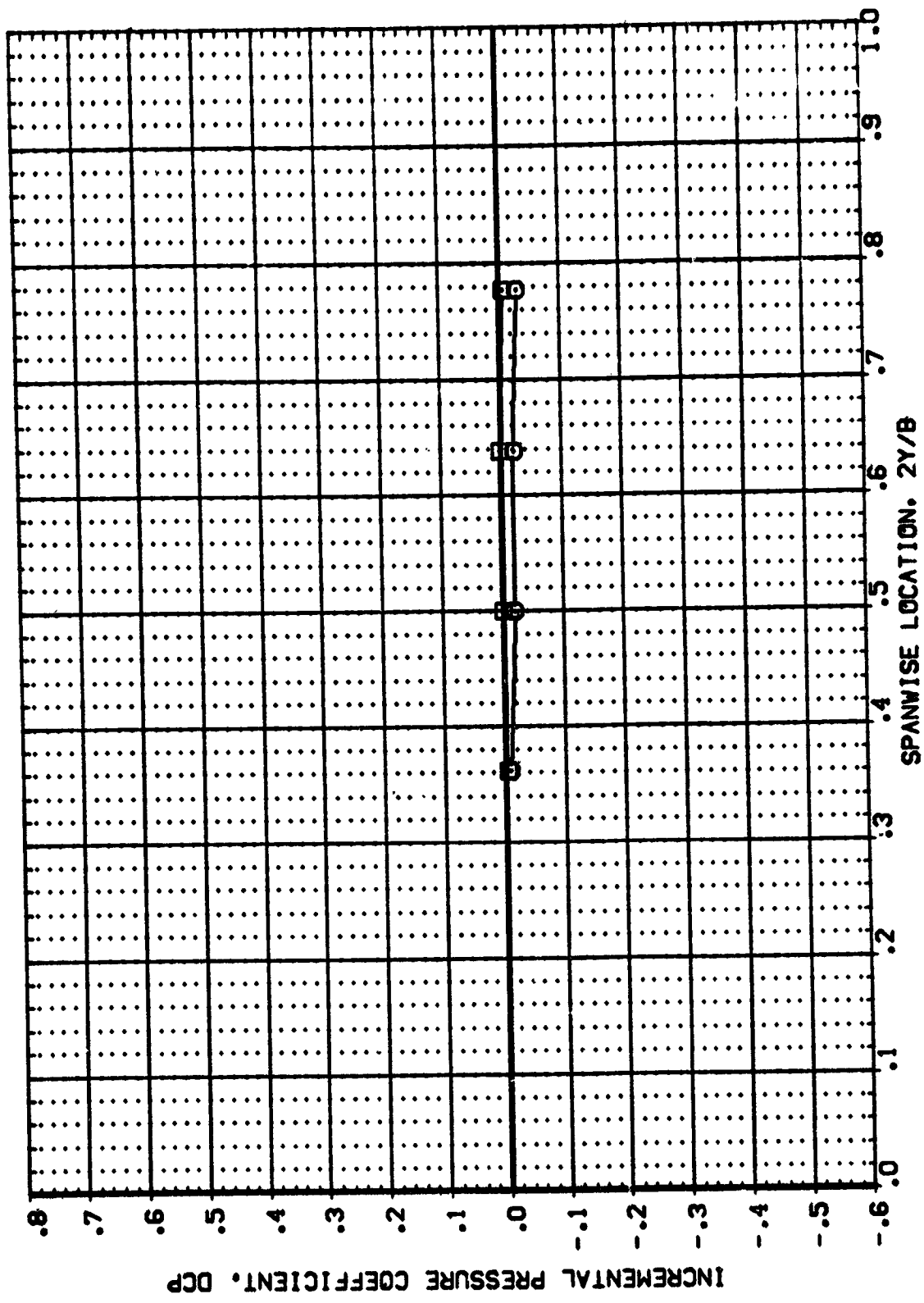


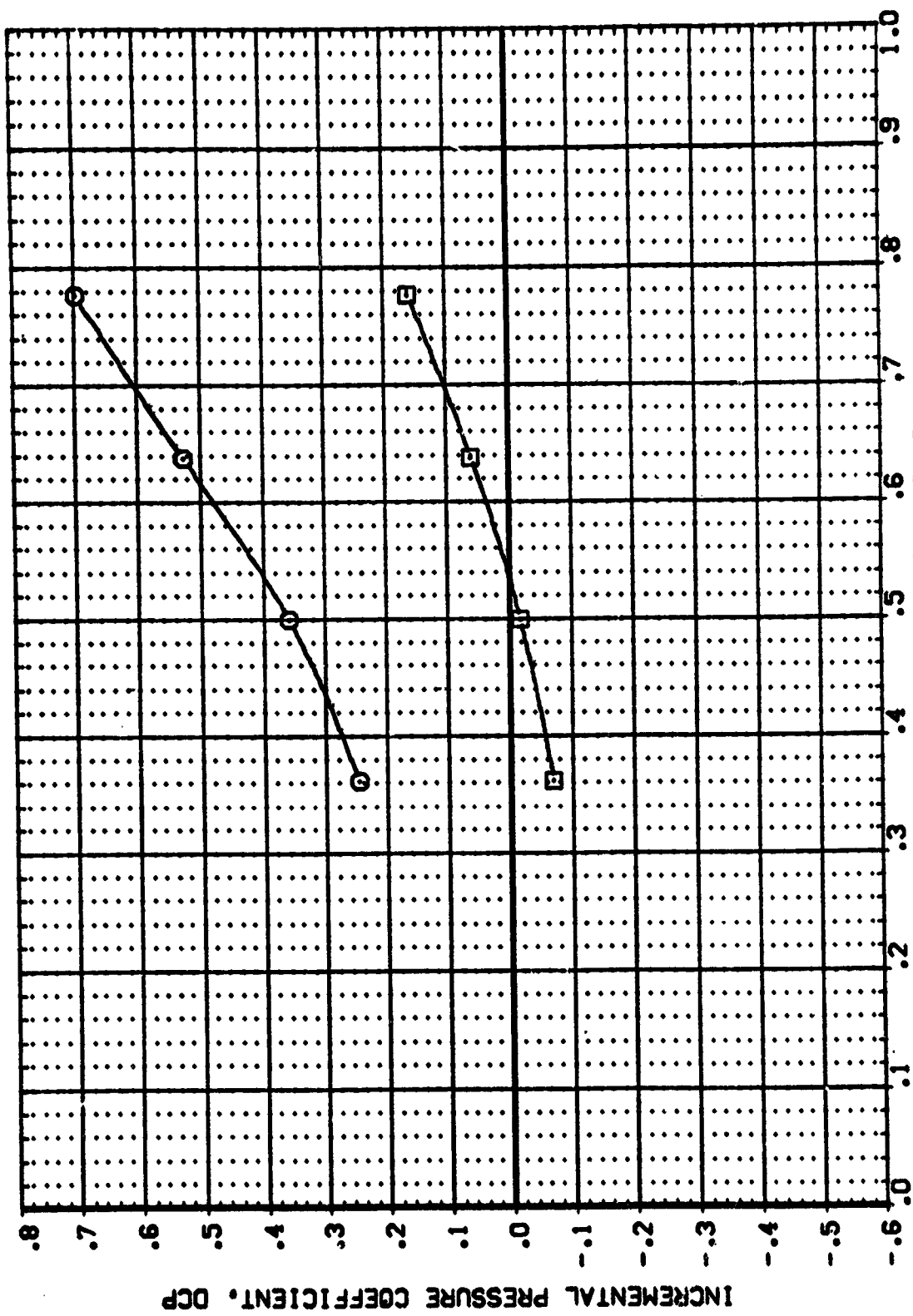
FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -3.870 X/C = .500 SPANWISE LOCATION, 2Y/B PAGE 100



DATA SET SYMB. CONFIGURATION DESCRIPTION  
 {AF4L04} IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING  
 {AF4L04} IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING

BETA  
 .000  
 .000



SPANWISE LOCATION, 2Y/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -2.000 X/C = .500

DATA SET SYMBOL: [AF4L04]    CONFIGURATION DESCRIPTION: { C1 F1 M1(1) } - { C1 F1 } UPPER WING  
 IAB8 { C1 F1 M1(1) } - { C1 F1 } LOWER WING    BETA: .000

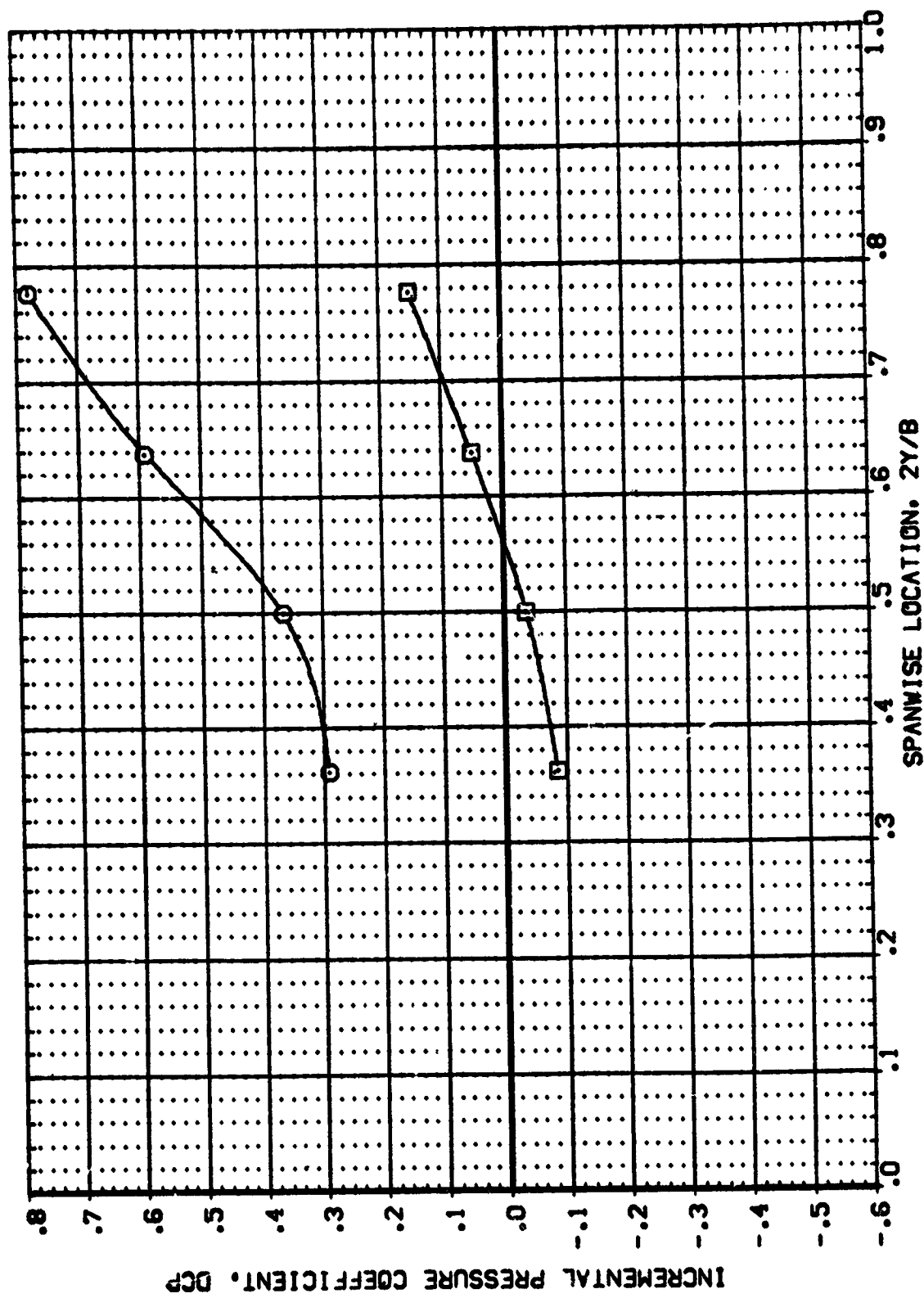


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

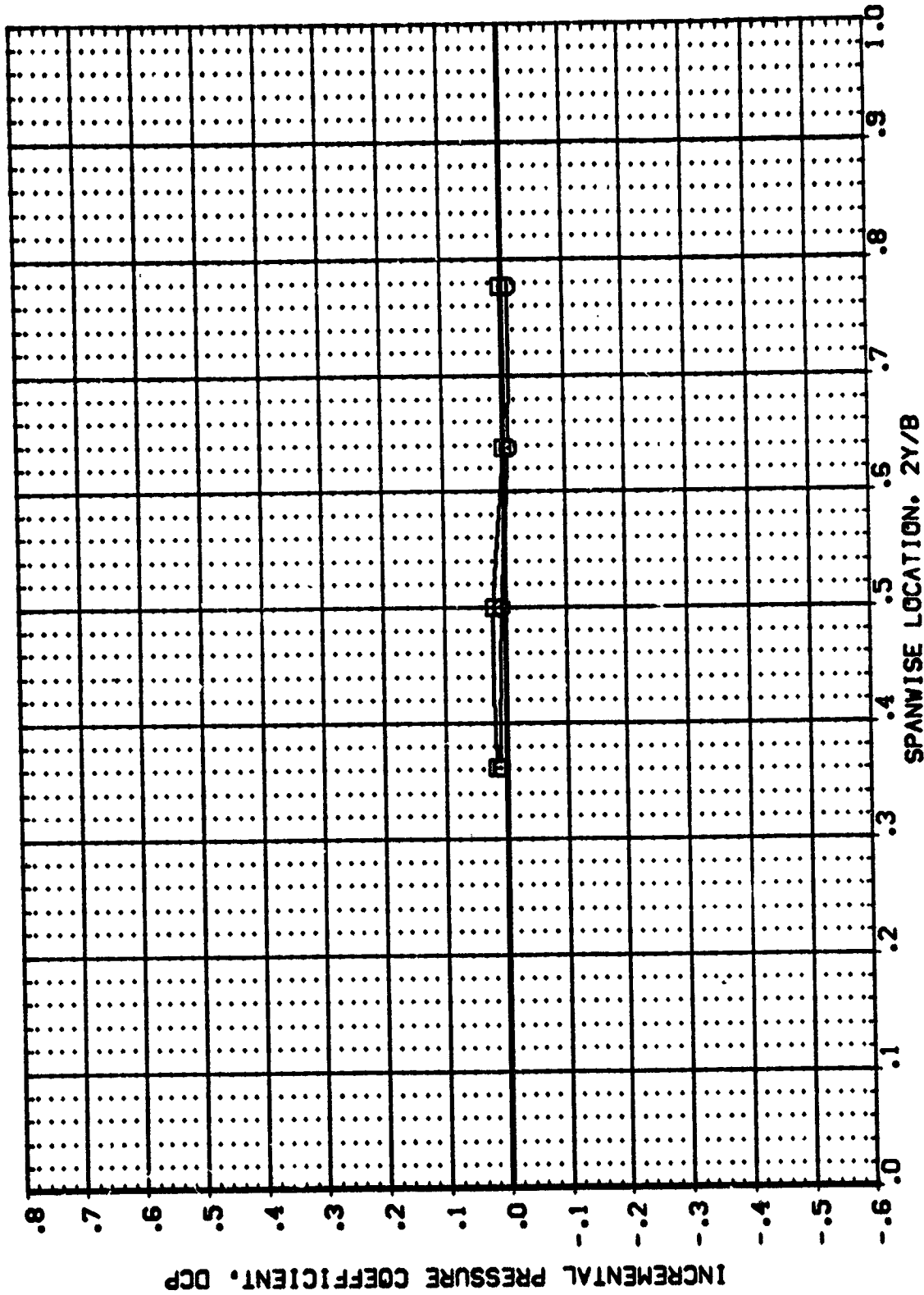
MACH = .896    ALPHA = .000    X/C = .500





BETA  
.000

DATA SET SYMB. CONFIGURATION DESCRIPTION  
{AF4LO4} IASB { CI FI MI(1) } - { CI FI } UPPER WING  
{AF4LO4} IASB { CI FI MI(1) } - { CI FI } LOWER WING



SPANWISE LOCATION, 2Y/B

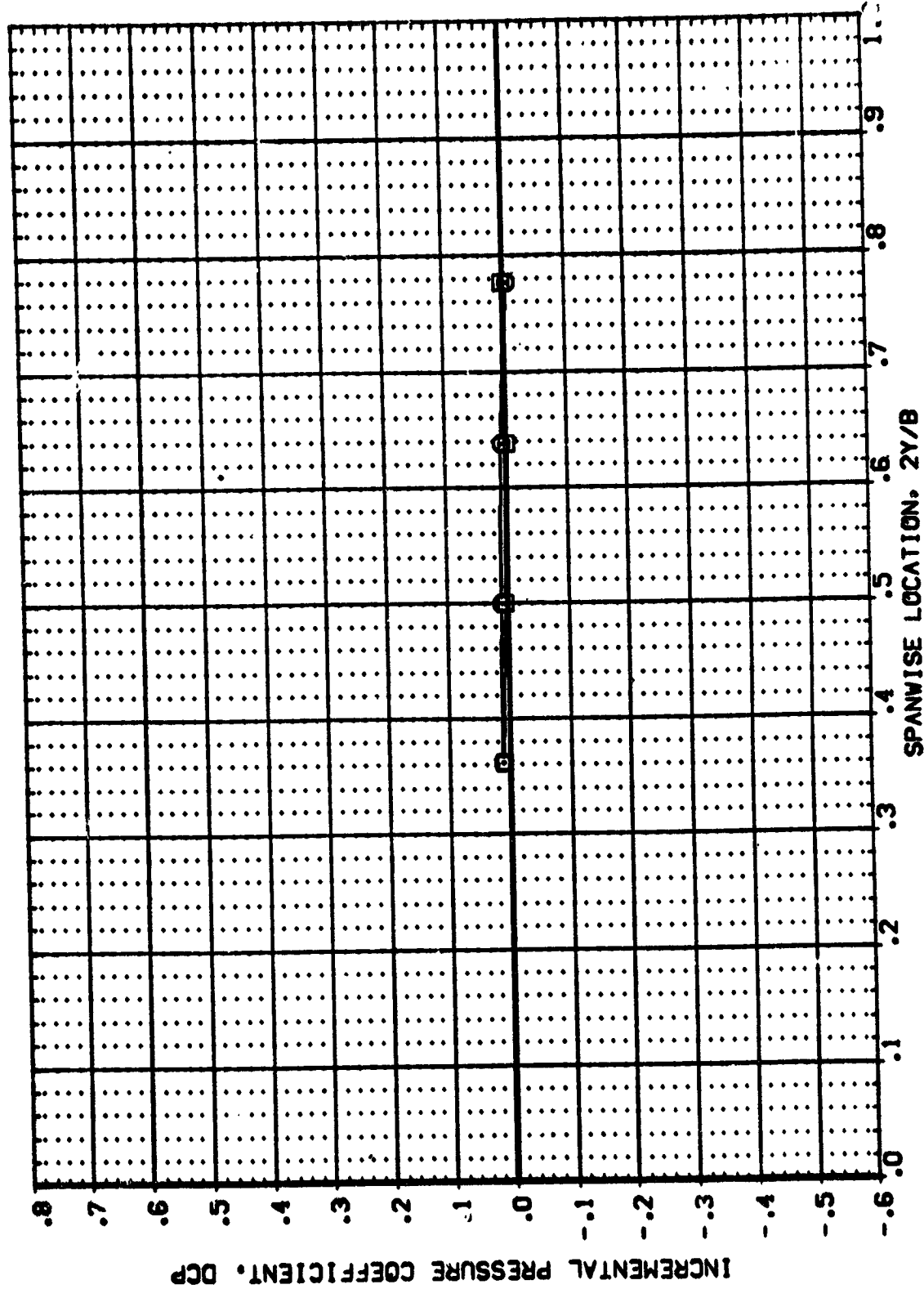
FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = -3.910 X/C = .500

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DATA SET SYMBOL: [AF4L04] [AF4L04]   
 CONFIGURATION DESCRIPTION: 1A88 ( C1 F1 M1(1) ) - ( C1 F1 ) UPPER WING   
 1A88 ( C1 F1 M1(1) ) - ( C1 F1 ) LOWER WING

BETA: .000   
 .000



SPANWISE LOCATION, 2Y/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = -1.930 X/C = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 (AF4LOA) (AF4LOA) (C1 F1 M111) - (C1 F1) UPPER WING .000  
 (AF4LOA) (AF4LOA) (C1 F1 M111) - (C1 F1) LOWER WING .000

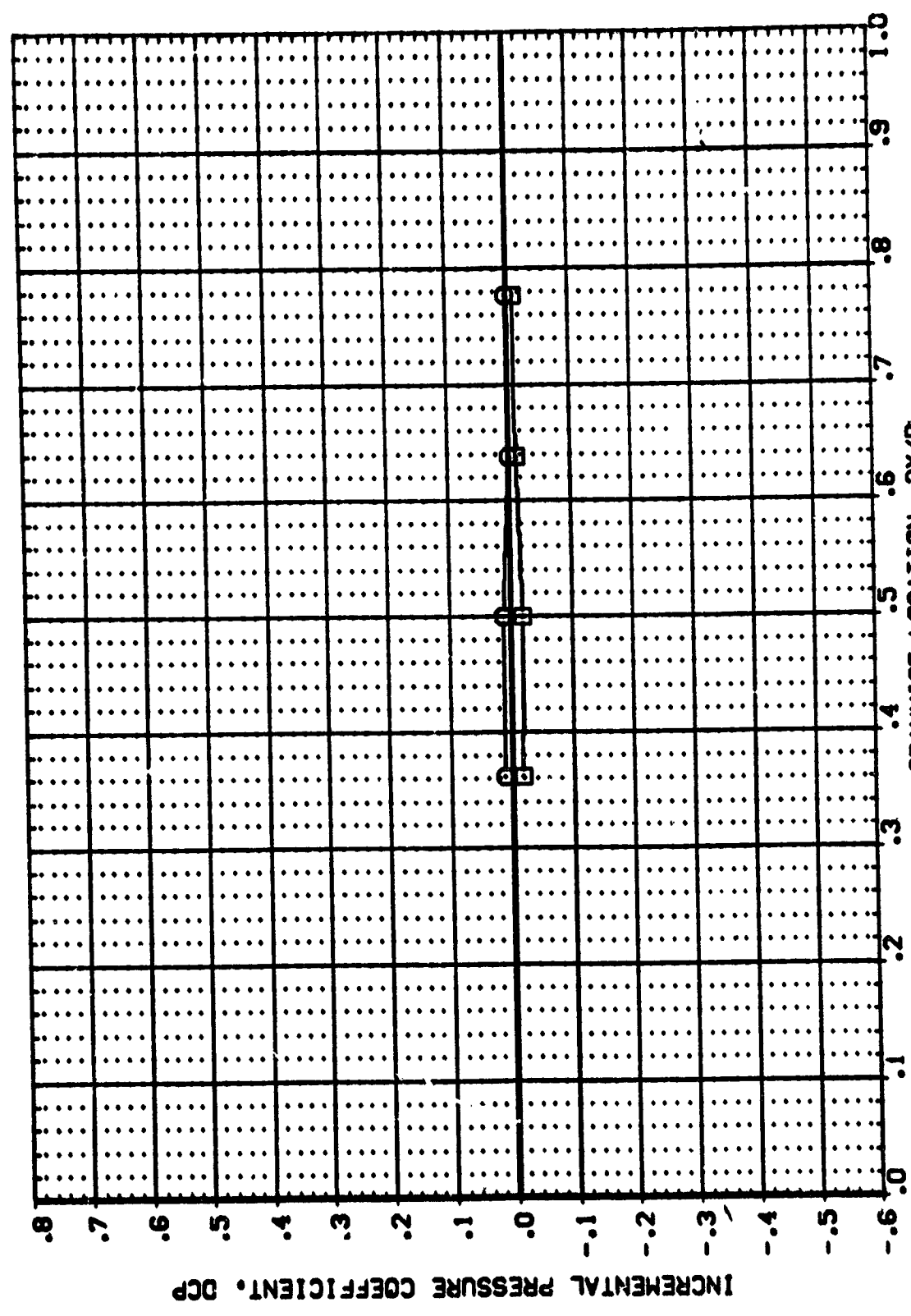


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS  
 MACH = 1.211 ALPHA = .000 X/C = .500

DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 (AF4LO1) [ ] IASB ( C1 F1 MI11 ) - ( C1 F1 ) UPPER WING  
 (AF4LO1) [ ] IASB ( C1 F1 MI11 ) - ( C1 F1 ) LOWER WING

BETA  
 .000  
 .000

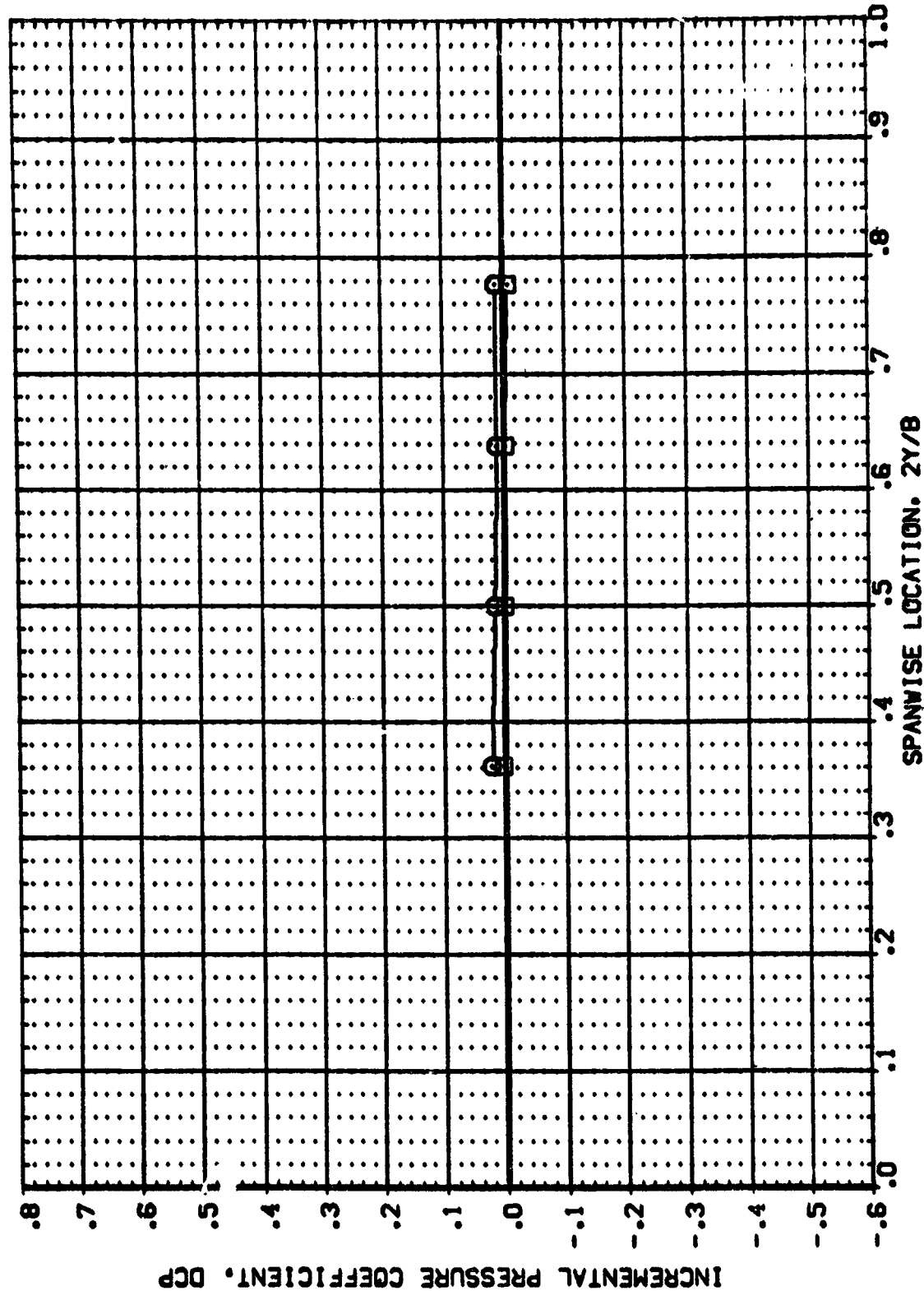


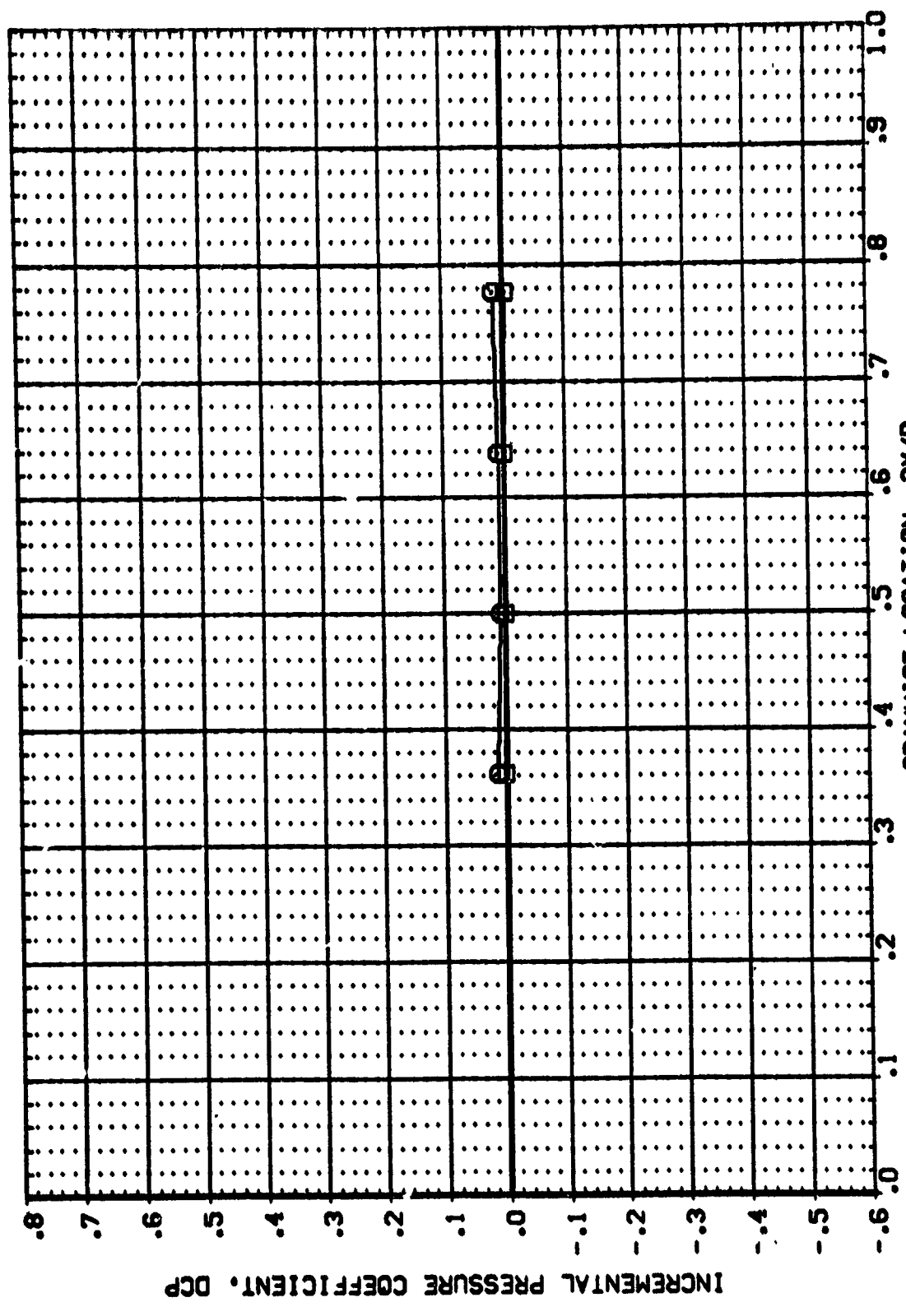
FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = 1.950 X/C = .500 SPANWISE LOCATION, ZY/B PAGE 106



5

DATA SET SYMB.  (AFAL04)  (AFAL04) CONFIGURATION DESCRIPTION BETA  
 IASB ( C1 F1 M1(1) ) - ( C1 F1 ) UPPER WING .000  
 IASB ( C1 F1 M1(1) ) - ( C1 F1 ) LOWER WING .000



SPANWISE LOCATION, ZY/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = 3.900 X/C = .500

DATA SET SYMB. CONFIGURATION DESCRIPTION: BETA .000 .000  
 (AF4LO4) IAGB ( C1 F1 M1(1) ) - ( C1 F1 ) UPPER WING  
 (AF4LO4) IAGB ( C1 F1 M1(1) ) - ( C1 F1 ) LOWER WING

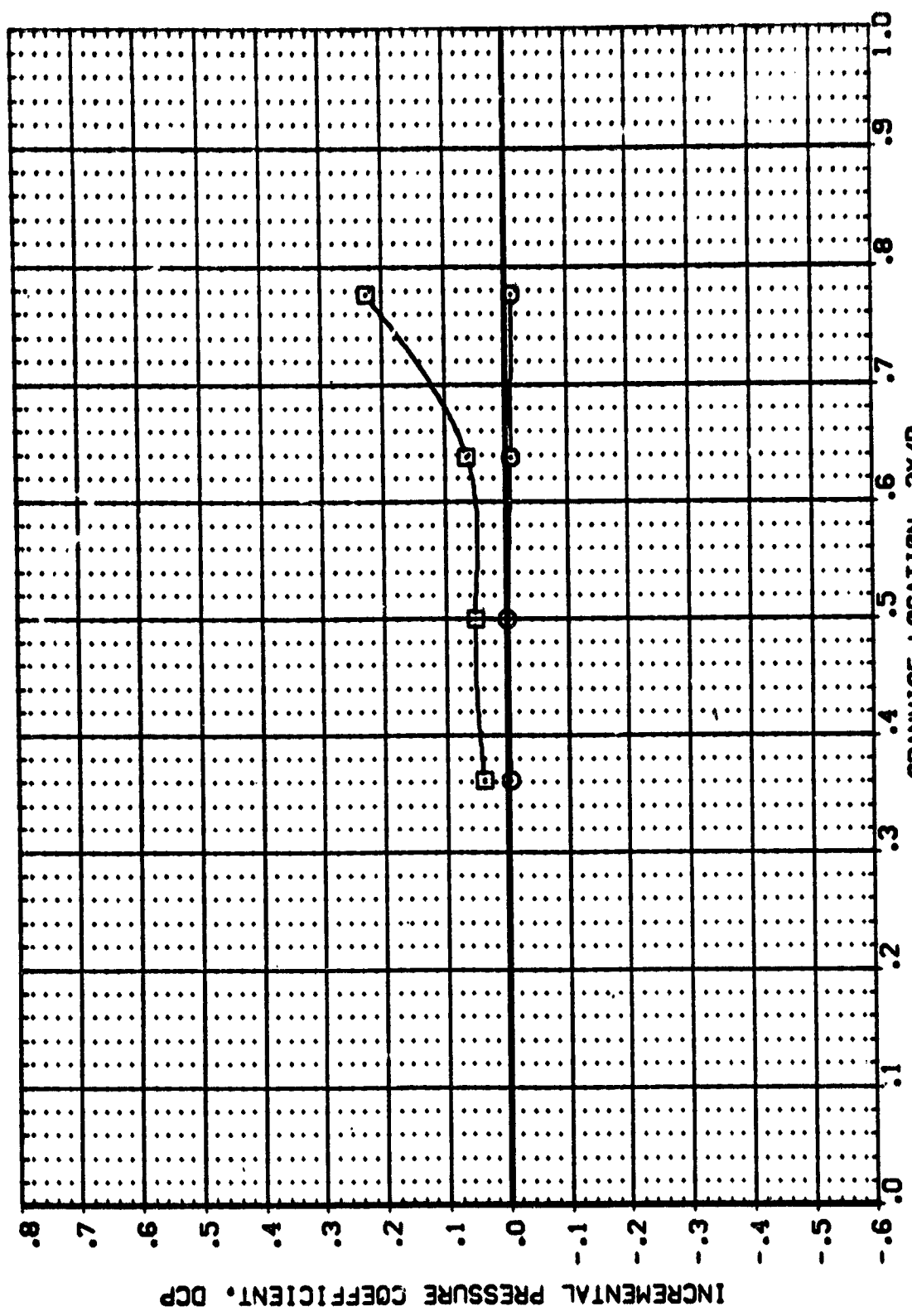


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -3.960 X/C = .500 PAGE 108



DATA SET SYMB. (AF404) (AF404) CONFIGURATION DESCRIPTION IAGB ( C1 F1 M1(1) ) - ( C1 F1 ) UPPER WING IAGB ( C1 F1 M1(1) ) - ( C1 F1 ) LOWER WING

BETA .000 .000

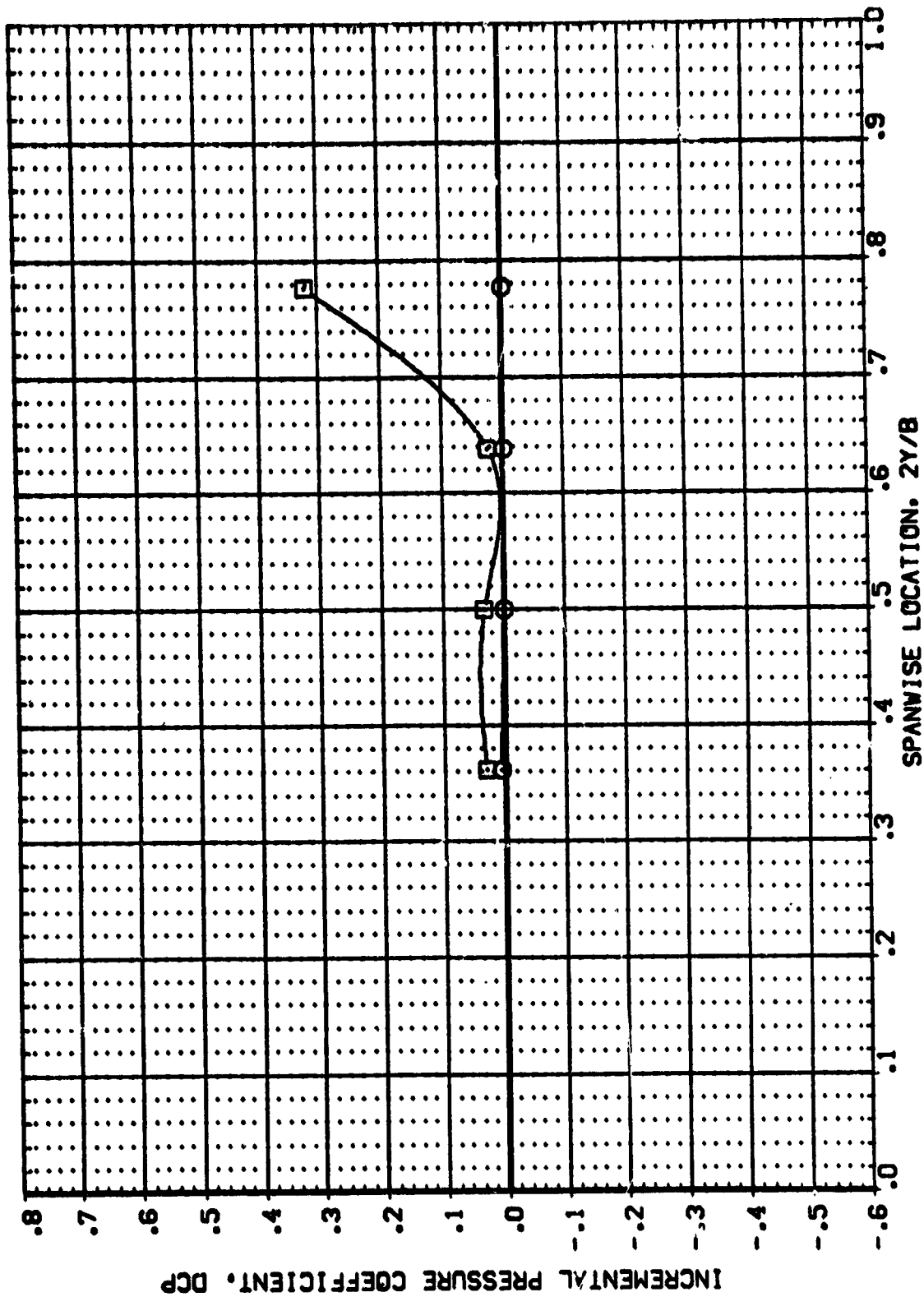


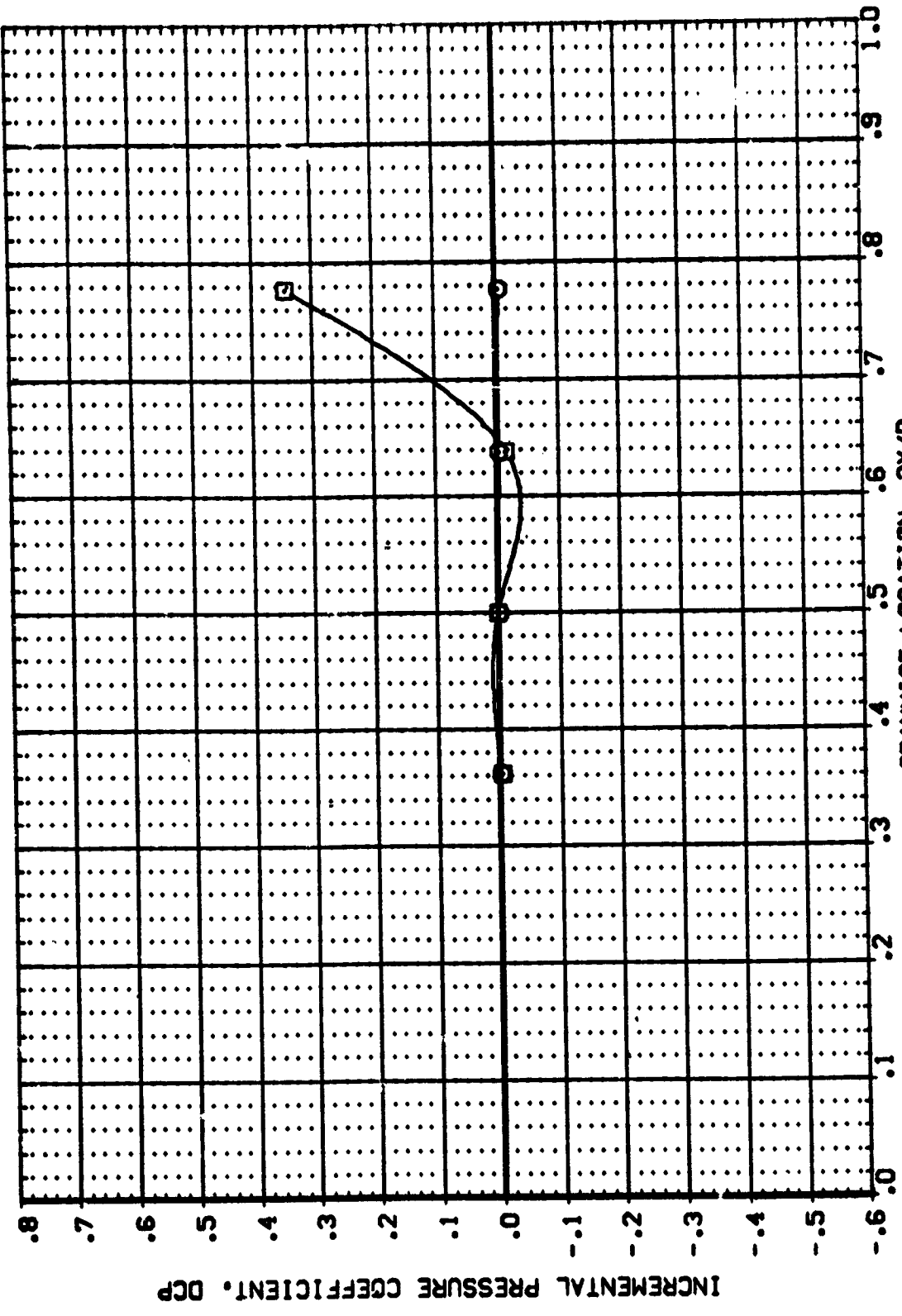
FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -1.870 X/C = .500



DATA SET SYMBOL: [AF4LO4] [AF4LO4]   
 CONFIGURATION: DESCRIPTION: [1AG8] [C1 F1] M1(1) } - [C1 F1] } UPPER WING   
 [1AG8] [C1 F1] M1(1) } - [C1 F1] } LOWER WING

BETA .000  
 .000



SPANWISE LOCATION, 2Y/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 AL<sup>1/4</sup>HA = .070 X/C = .500





DATA SET SYMBOL: (AF4LO4) (AF4LO4)   
 CONFIGURATION DESCRIPTION: IASB ( C1 F1 MI(1) ) - ( C1 F1 ) UPPER WING   
 IASB ( C1 F1 MI(1) ) - ( C1 F1 ) LOWER WING   
 BETA: .000

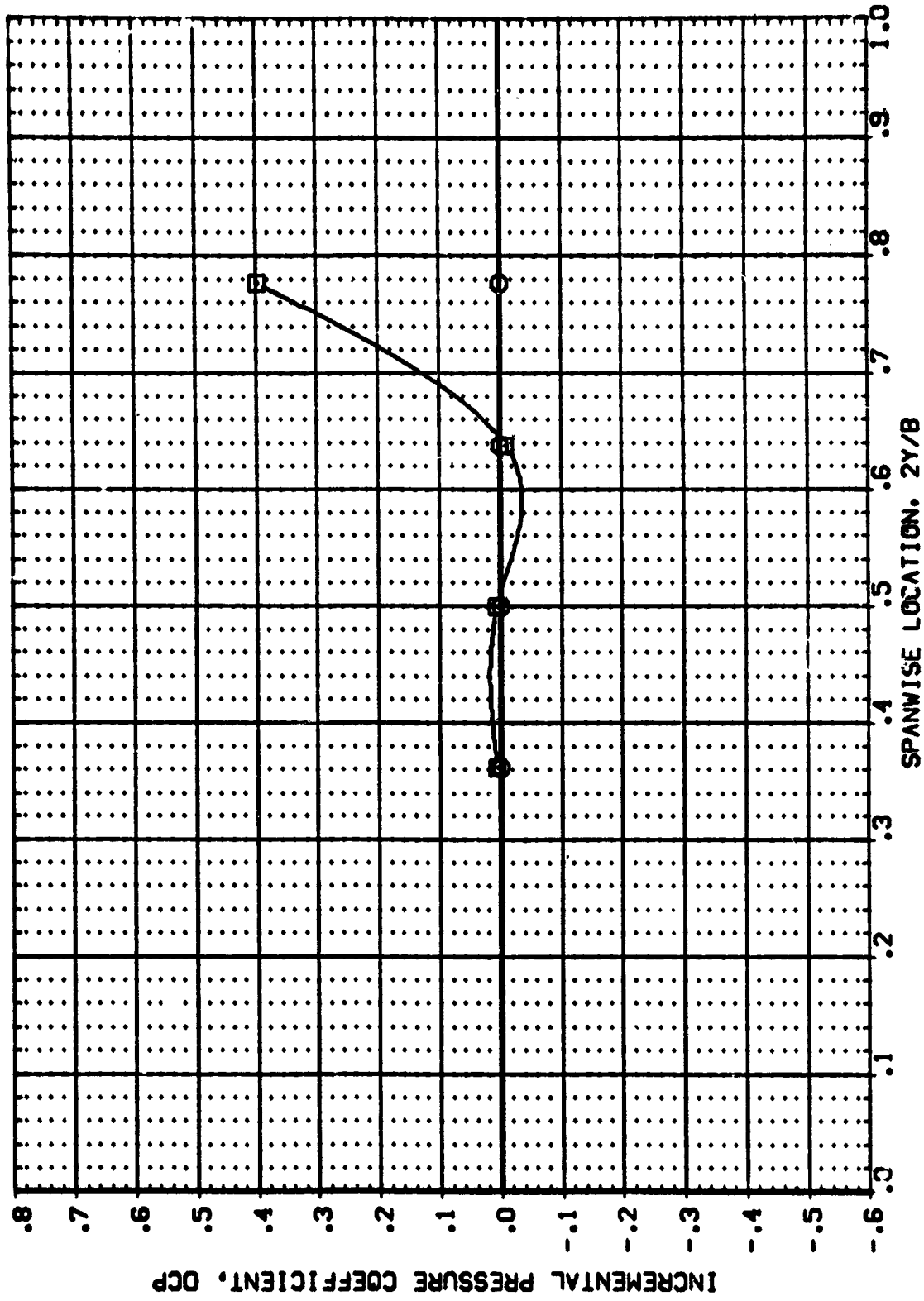


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 1.990 X/C = .500

DATA SET SYMBOL: [AF4L04] [AF4L04] }  
 CONFIGURATION DESCRIPTION: [A6B] [C] [F] [M] [I] [I] } - [C] [F] [I] } UPPER WING  
 [A6B] [C] [F] [M] [I] [I] } - [C] [F] [I] } LOWER WING

BETA  
 .000  
 .000

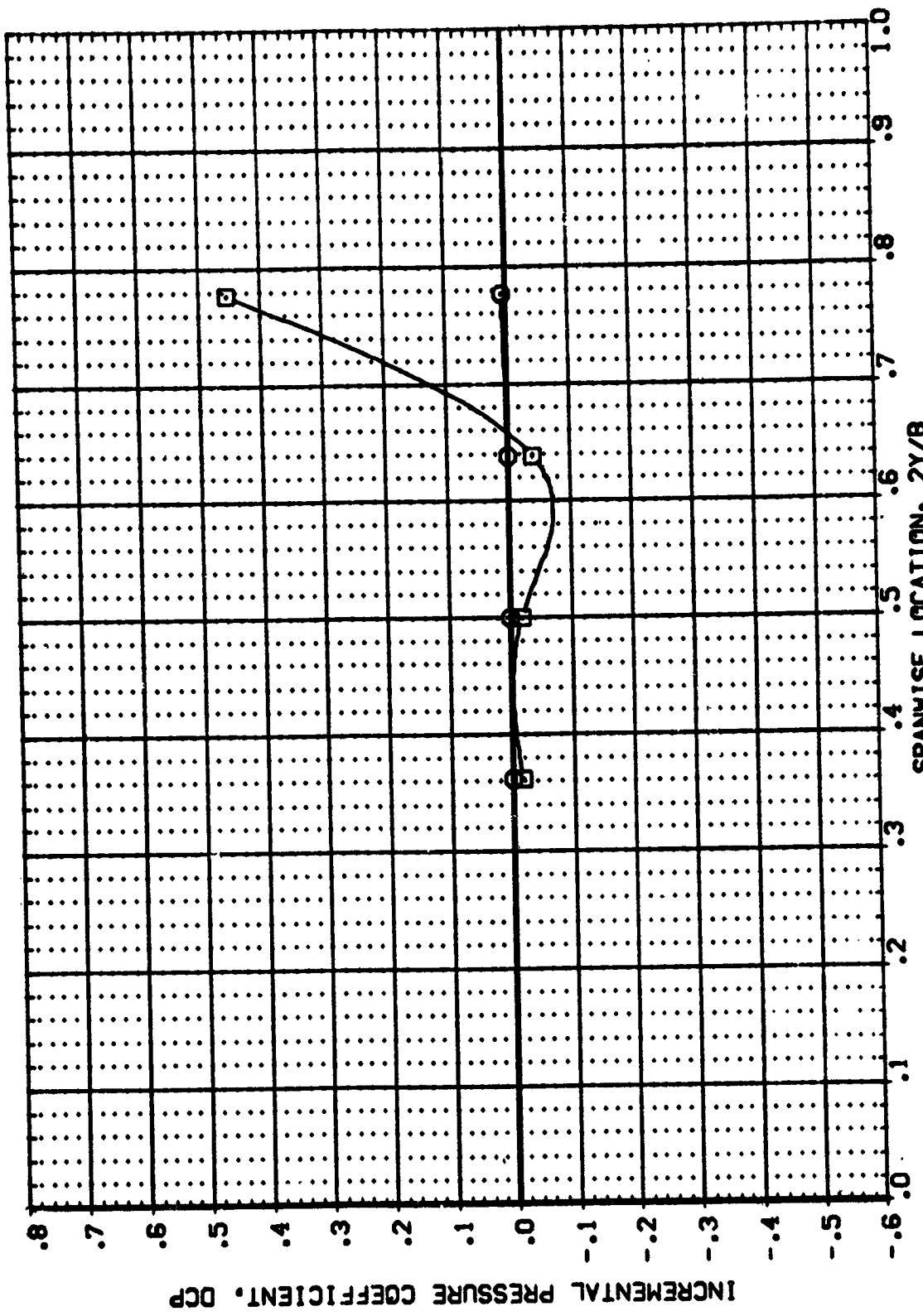


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 3.930 X/C = .500 SPANWISE LOCATION, ZY/B PAGE 112



DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 (AF4L04) IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING .000  
 (AF4L04) IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING .000

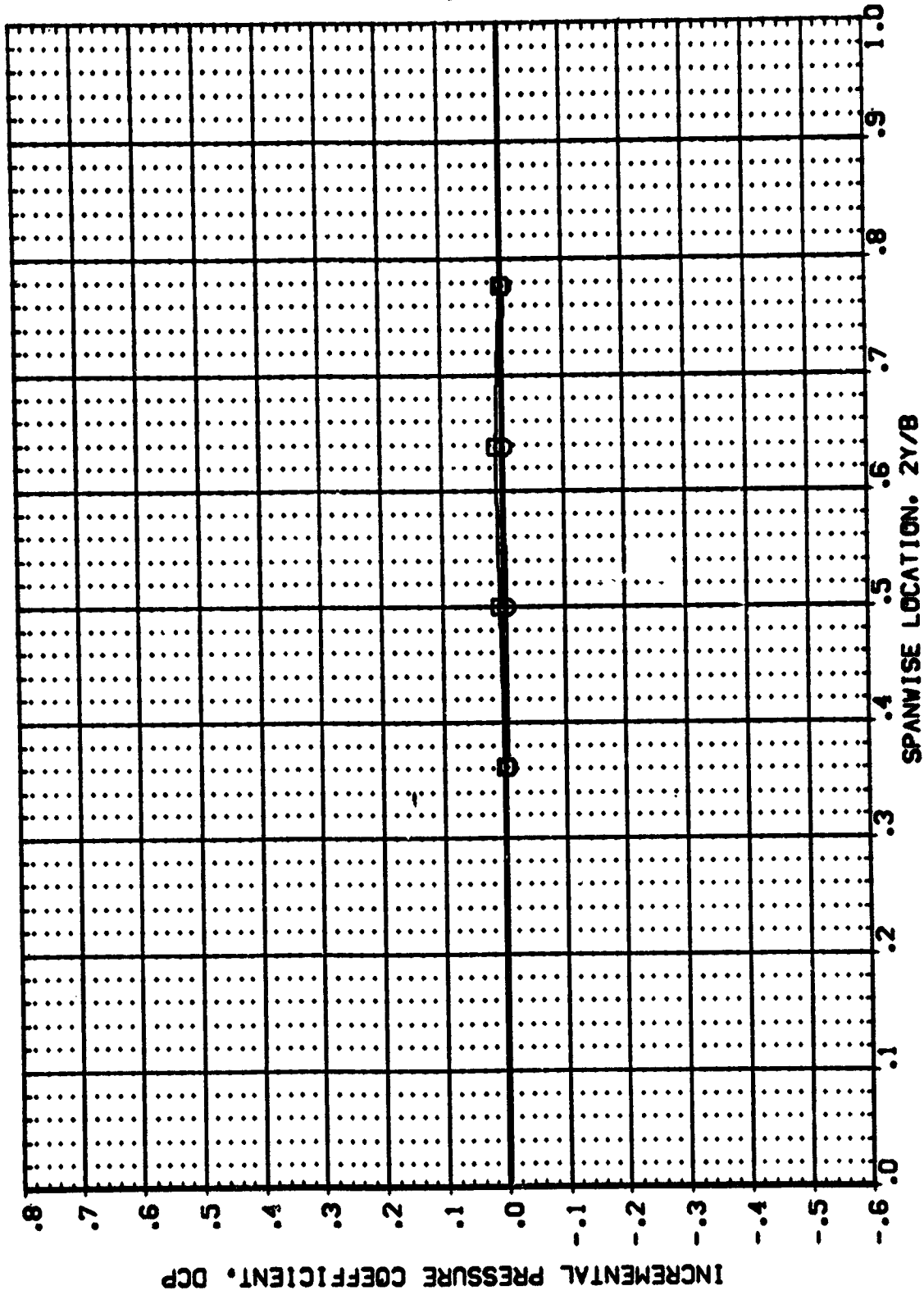


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -3.910 X/C = .500

DATA SET SYMBOL: 1A68 (C1 F1 M111) - (C1 F1) UPPER WING  
 1A69 (C1 F1 M111) - (C1 F1) LOWER WING

BETA  
 .000  
 .000

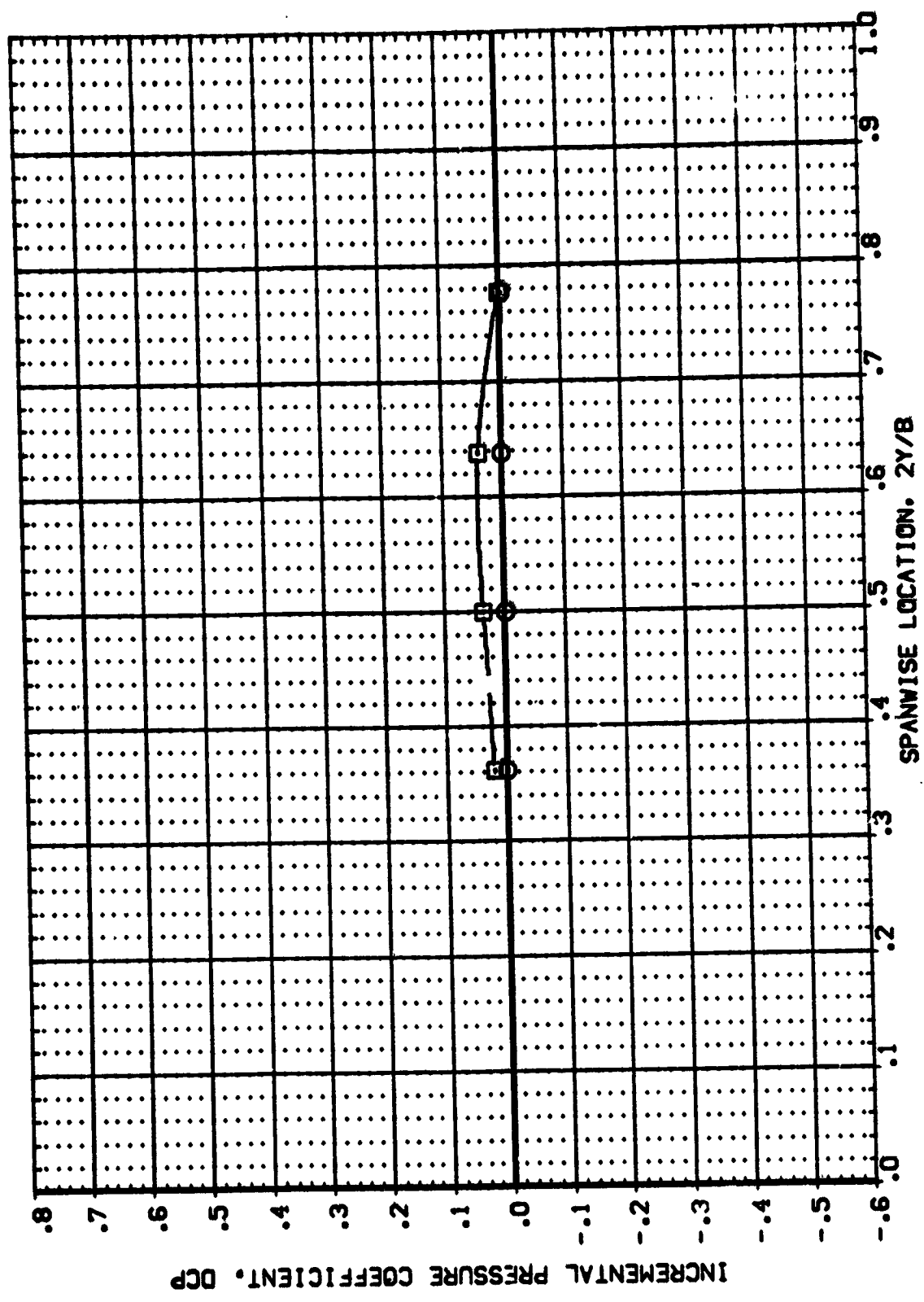


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -2.000 X/C = .500



DATA SET SYMBOL: (AF4LO4) (AF4LO4)   
 CONFIGURATION DESCRIPTION: (C1 F1 M111) - (C1 F1) UPPER WING (C1 F1) LOWER WING

BETA: .000  
 .000

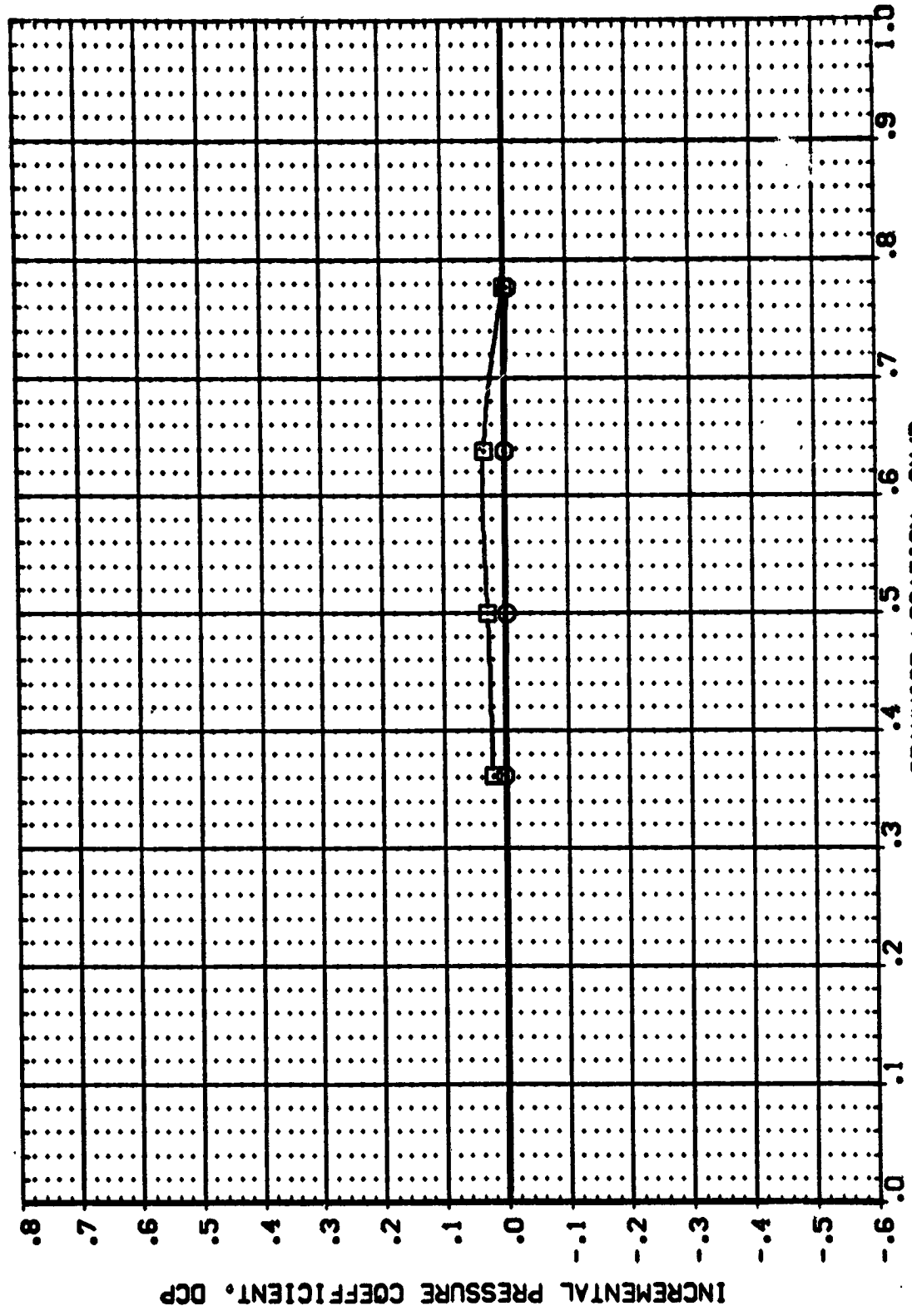


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -0.020 X/C = .500 SPANWISE LOCATION, ZY/B PAGE 115

DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA .000  
 (AF4LO4) [ ] 1A58 { C1 F1 MI(1) } - { C1 F1 } UPPER WING  
 (AF4LO4) [ ] 1A58 { C1 F1 MI(1) } - { C1 F1 } LOWER WING

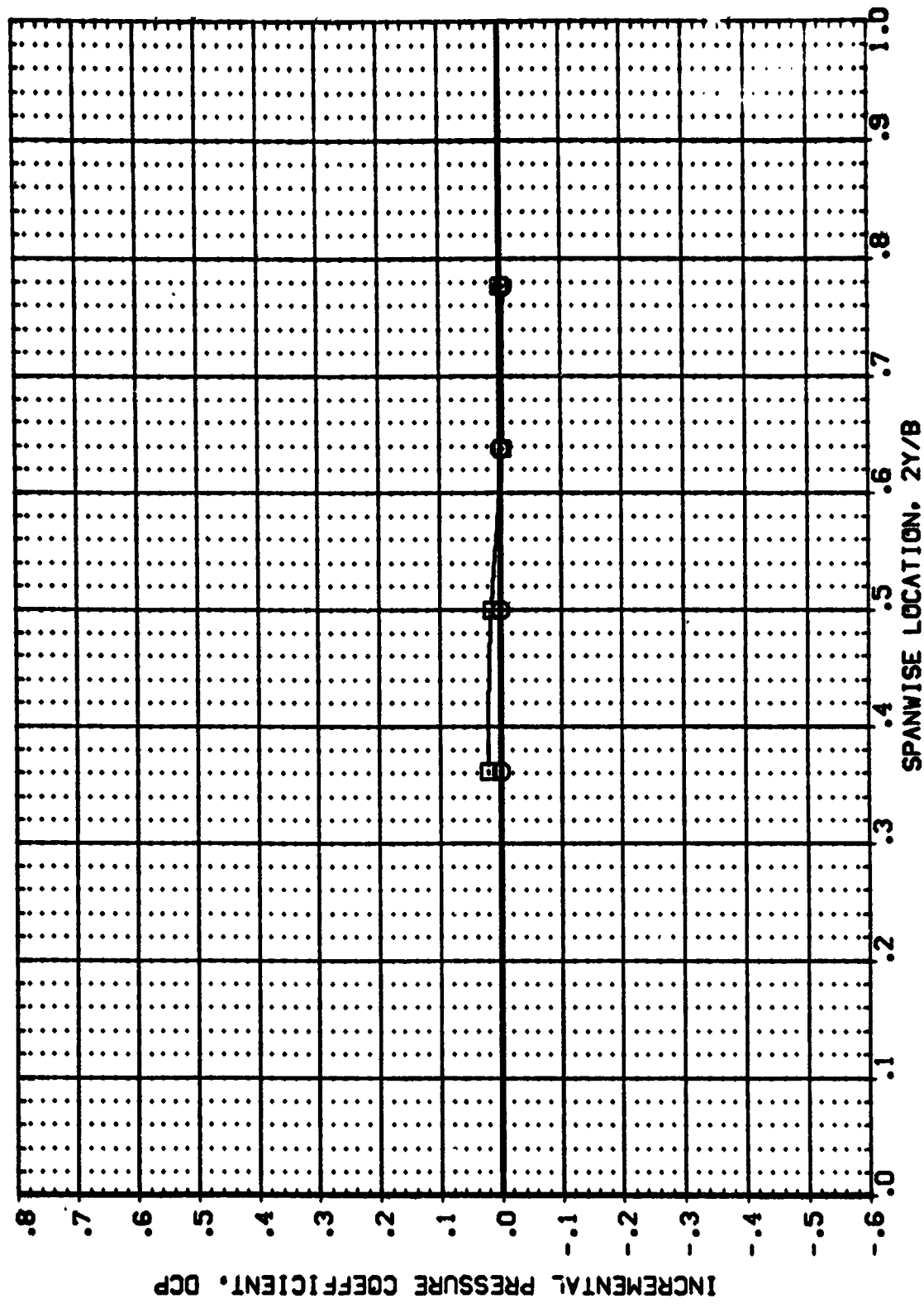


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 1.910 X/C = .500 PAGE :16



DATA SET SYMB. CONFIGURATION DESCRIPTION  
 {AFALOS} IAGB { C1 F1 MZ(1) } - { C1 F1 } UPPER WING  
 {AFALOS} IAGB { C1 F1 MZ(1) } - { C1 F1 } LOWER WING

BETA  
 .000  
 .000

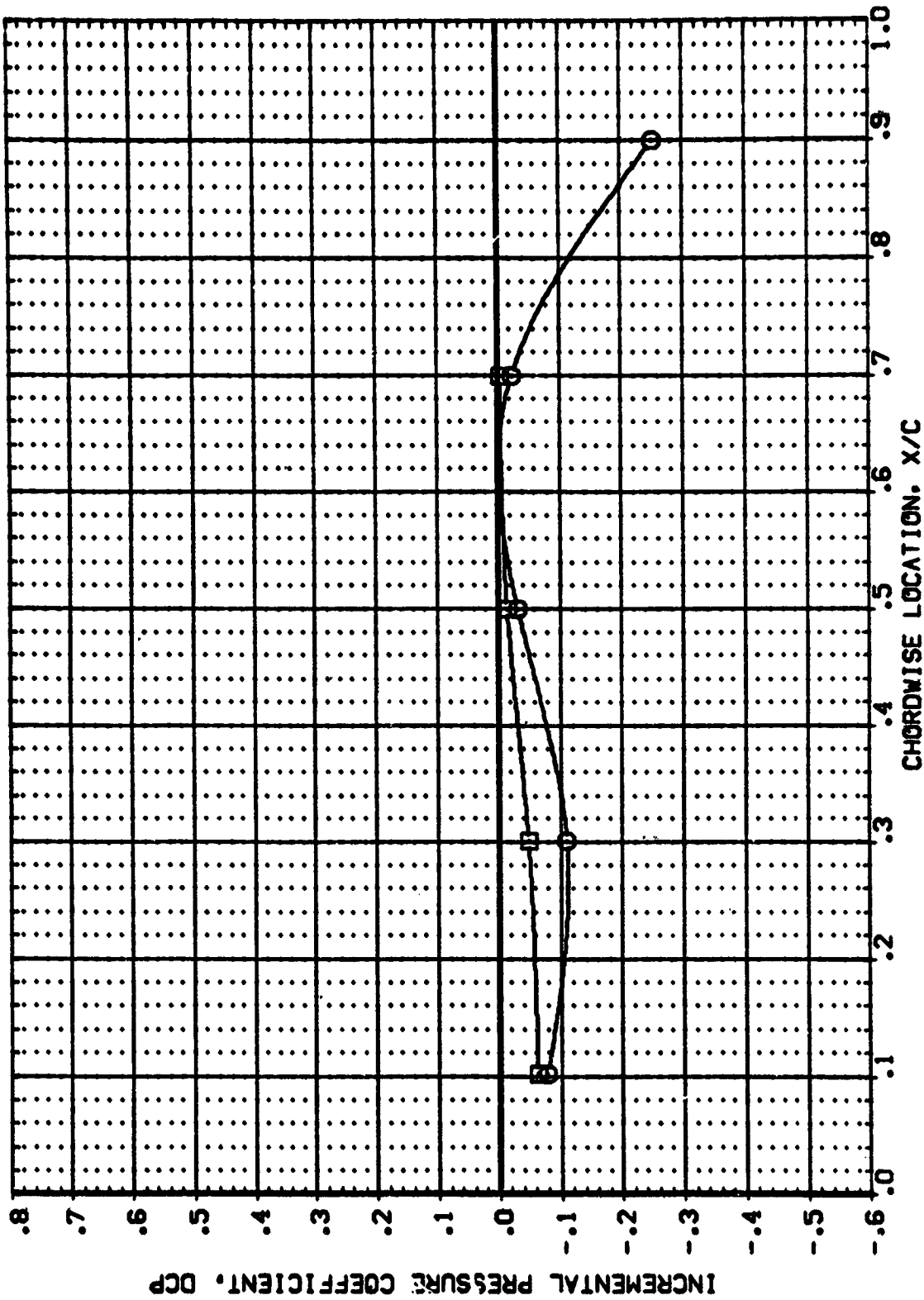


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = .000 2Y/B = .500

DATA SET SYMBOL: [AF4U06] [AF4L06] BETA: .000  
 CONFIGURATION DESCRIPTION: [ASS { C1 F1 } UPPER WING] [ASS { C1 F1 } LOWER WING]

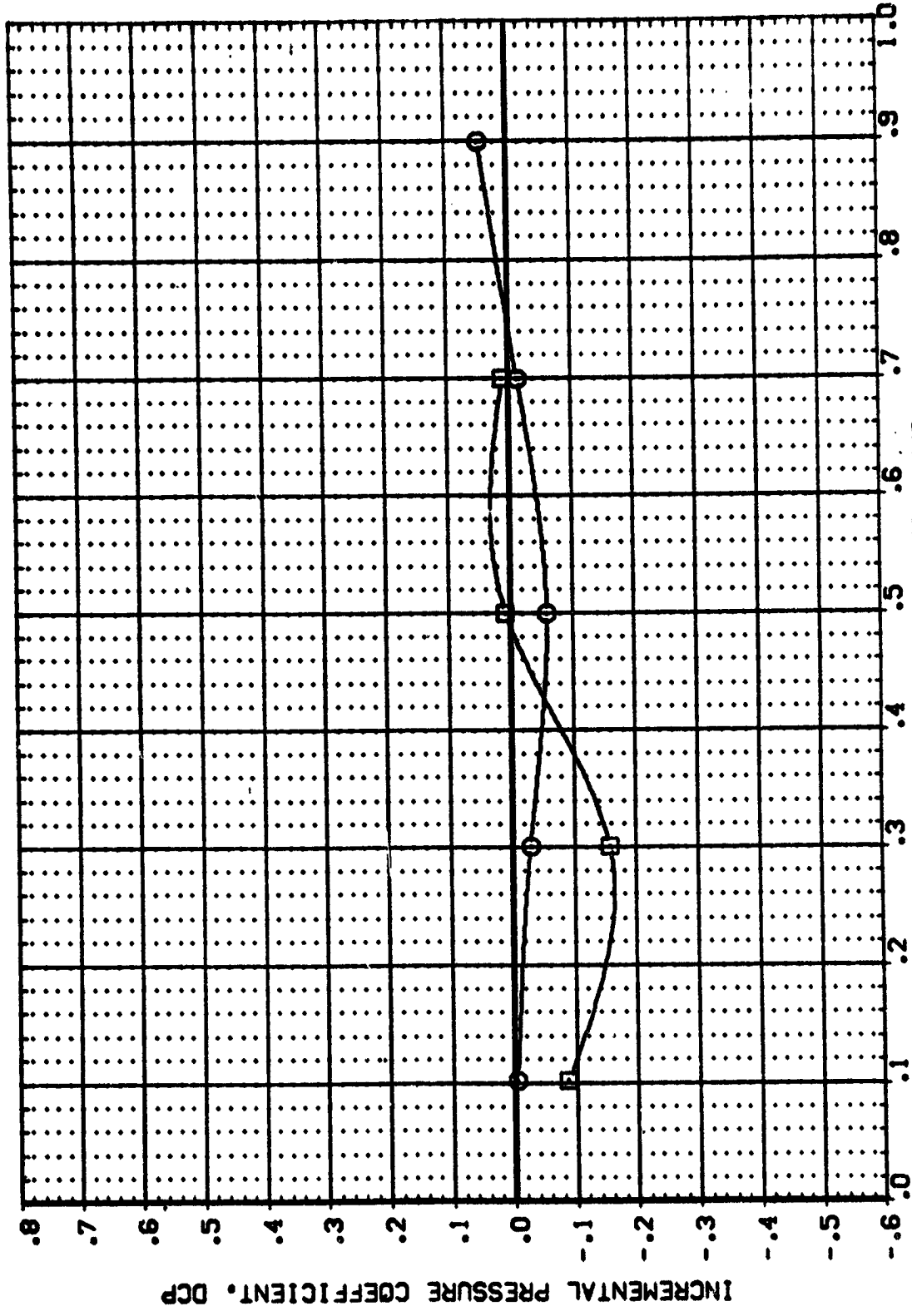


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.223 ALPHA = .000 2Y/B = .500 PAGE : 18





DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 { AF4LOS } IAGB { C1 F1 M2(1) } - { C1 F1 } UPPER WING .000  
 { AF4LOS } IAGB { C1 F1 M2(1) } - { C1 F1 } LOWER WING .000

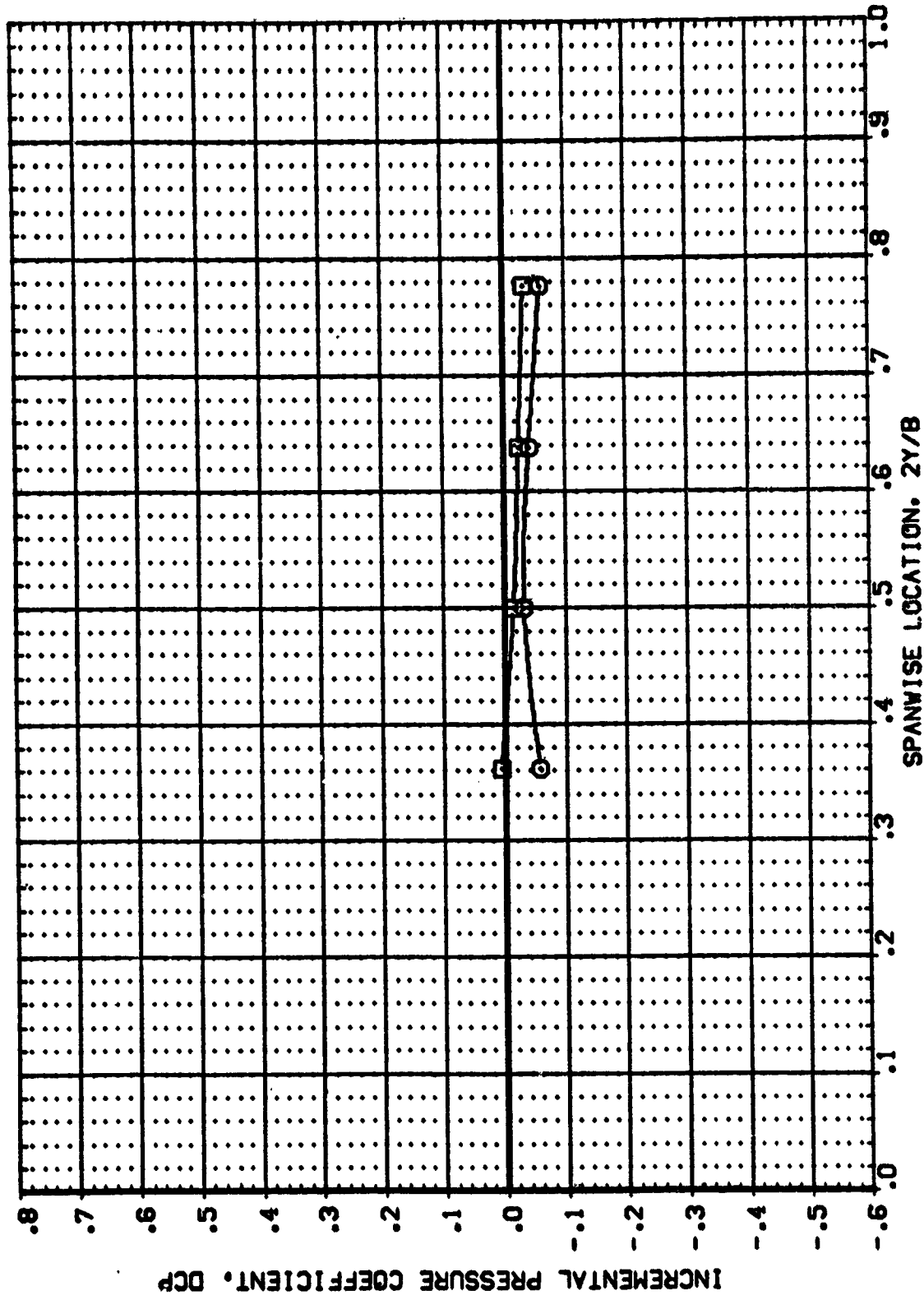


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = .000 X/C = .500

DATA SET SYMBOL:  $\square$  IASB { C1 F1 M211 } - { C1 F1 } UPPER WING  
 { AF4LOS } { AF4LOS } IASB { C1 F1 M211 } - { C1 F1 } LOWER WING

BETA .000  
 .000

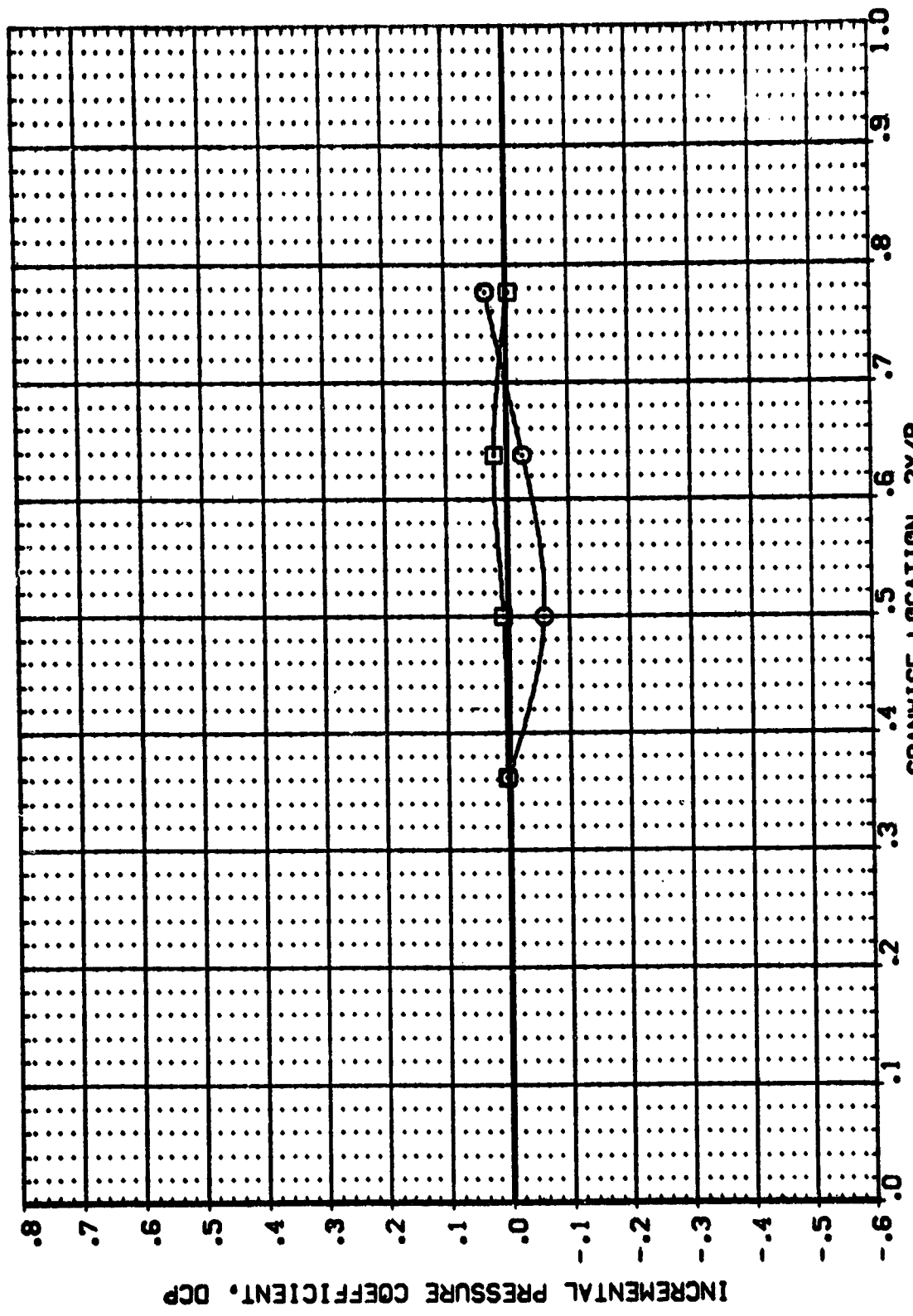


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.223 ALPHA = .000 X/C = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 {AF4LD7} □ IASB (C1F1M2{1})+FILLET) - (C1F1) UPPER WING .000  
 {AF4LD7} □ IASB (C1F1M2{1})+FILLET) - (C1F1) LOWER WING .000

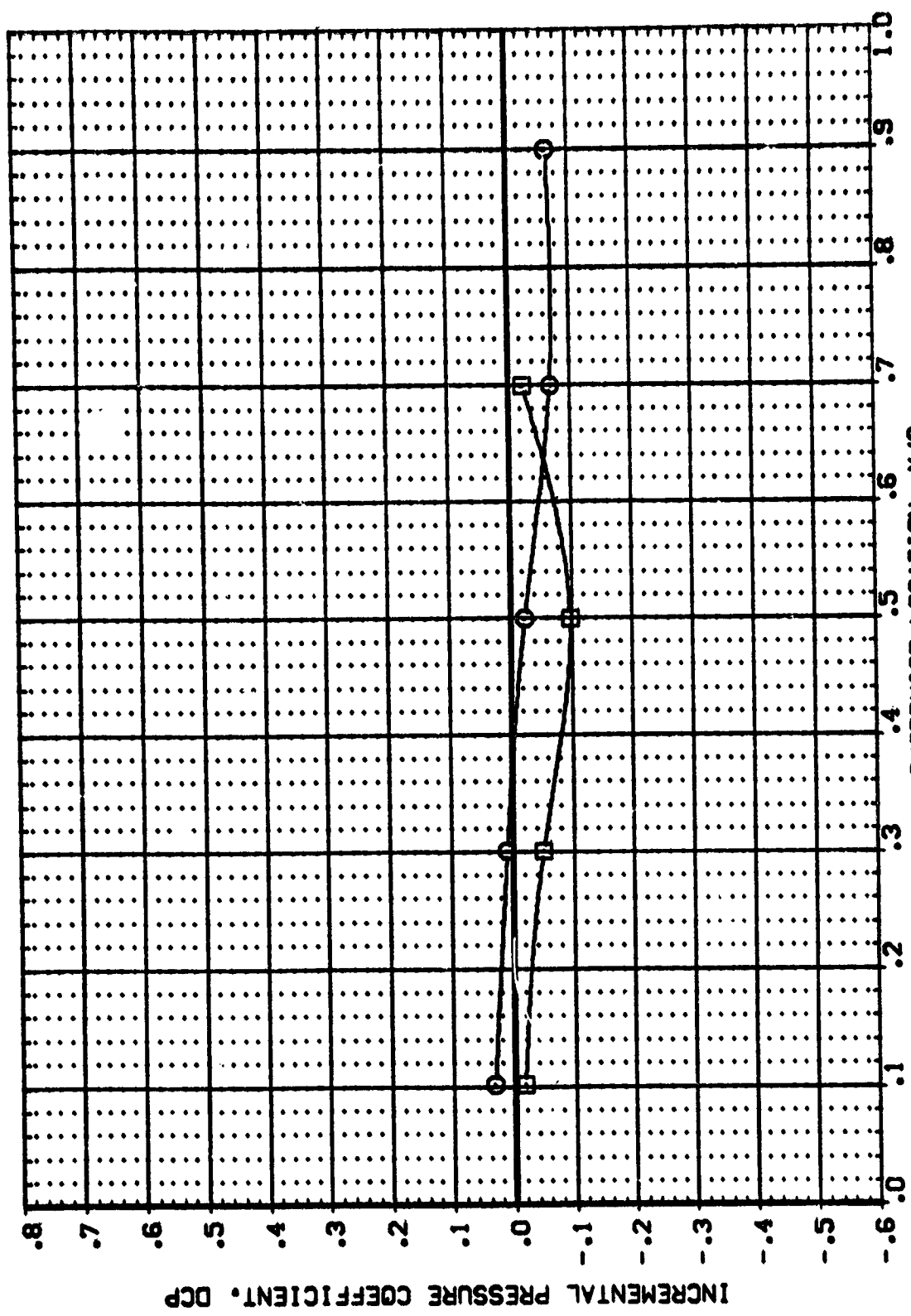


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -3.870 2Y/B = .500 PAGE 12:

DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 (AF4107) [A68 (C1F1M2(1))+FILLET] - (C1F1) UPPER WING .000  
 (AF4107) [A68 (C1F1M2(1))+FILLET] - (C1F1) LOWER WING .000

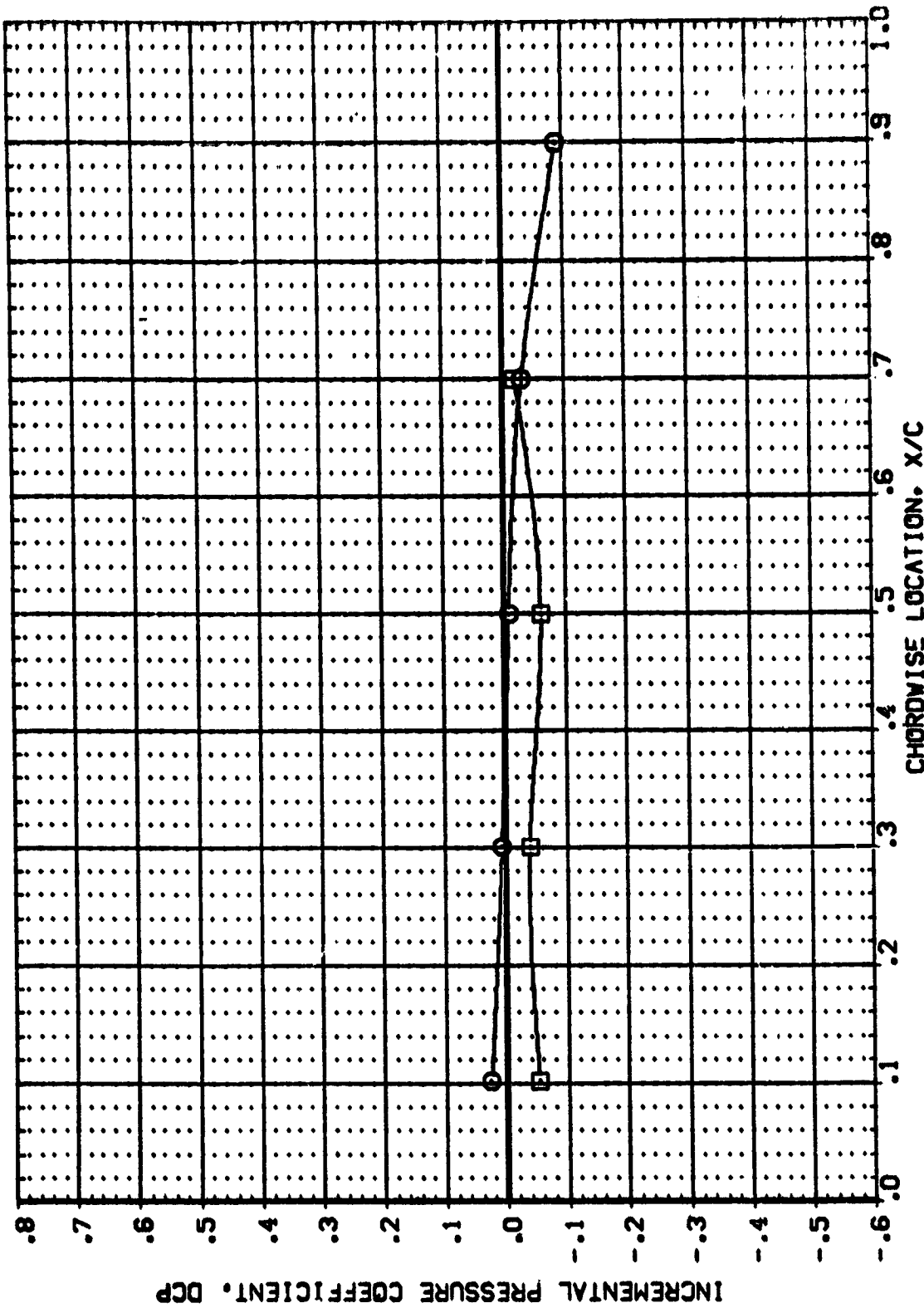


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -1.920 2Y/B = .500 PAGE 122



DATA SET SYMBOL:  $\square$  CONFIGURATION DESCRIPTION: (C1F1) UPPER WING - (C1F1) LOWER WING  
 (AF4L07) (AF4L07) BETA: .000 .000

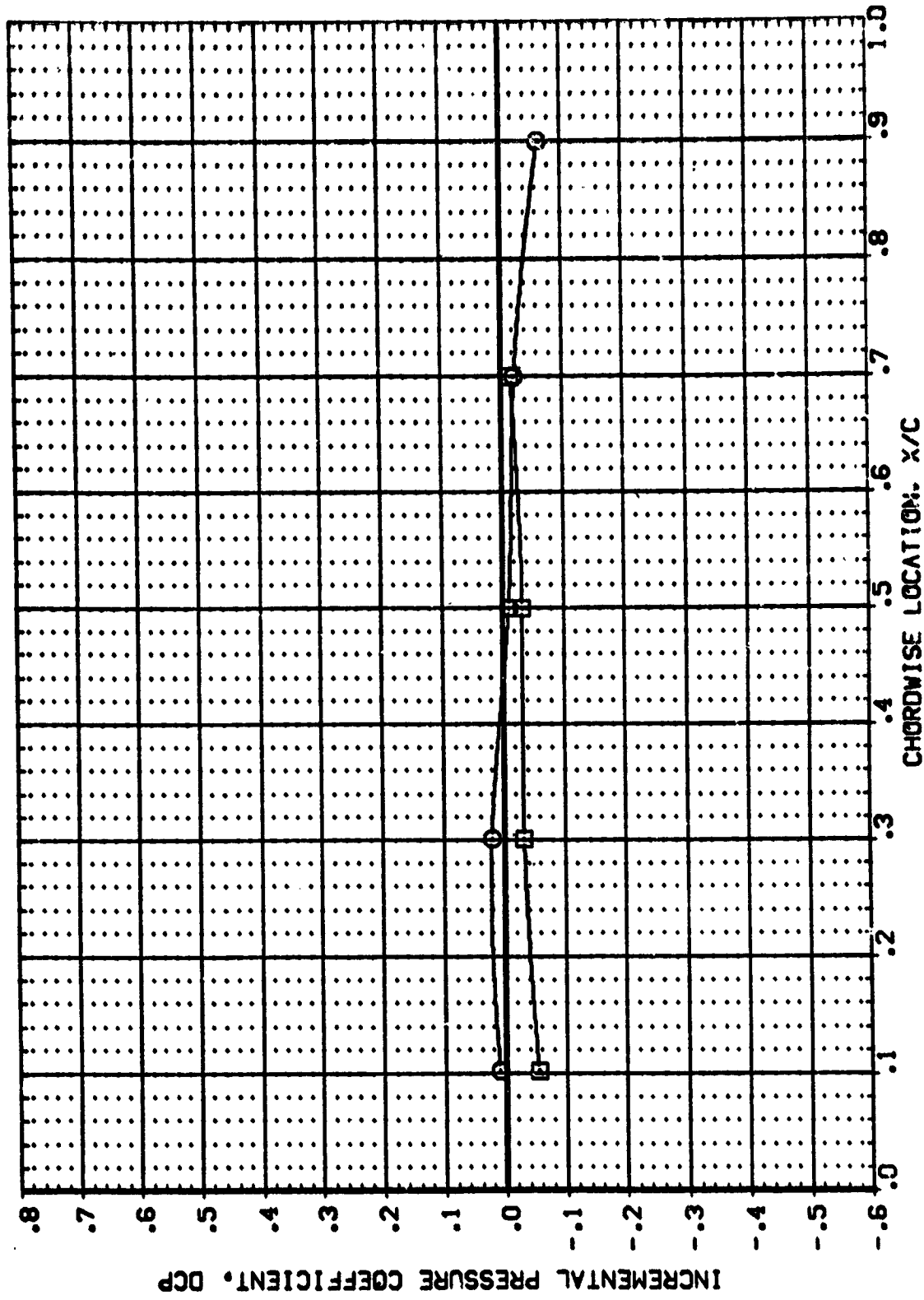


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = .000 2Y/B = .500

DATA SET 5180. CONFIGURATION DESCRIPTION BETA  
 (AF4107) 1A68 (C1F1M2(1))+FILLET) - (C1F1) UPPER WING .000  
 1A68 (C1F1M2(1))+FILLET) - (C1F1) LOWER WING .000

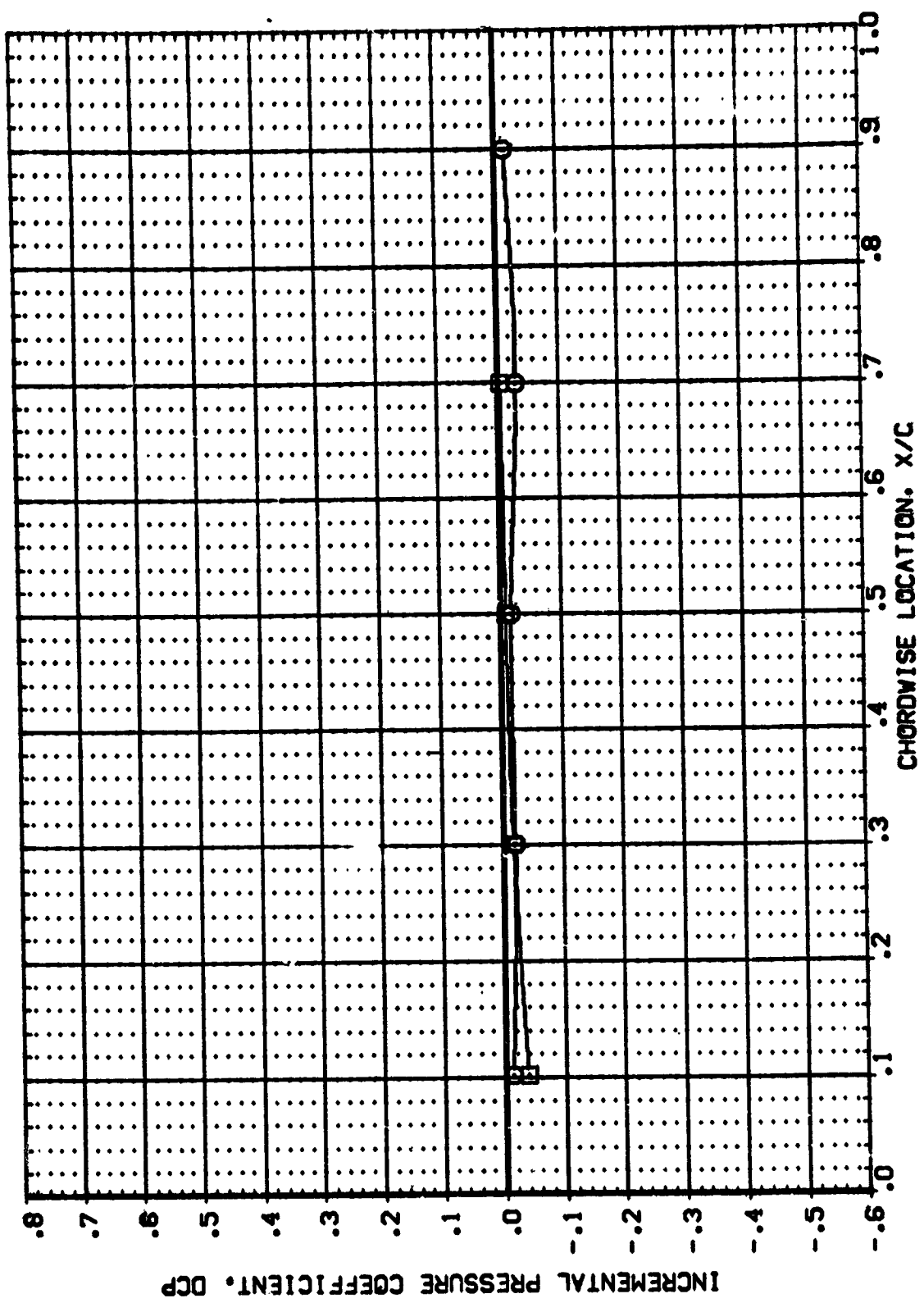


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = 1.890 2Y/B = .500 PAGE 124



DATA SET SYMB. CONFIGURATION DESCRIPTION BETA  
 {AF4LD7} 1A68 (C1F1M2{1})+FILLET) - (C1F1) UPPER WING .000  
 {AF4LD7} 1A68 (C1F1M2{1})+FILLET) - (C1F1) LOWER WING .000

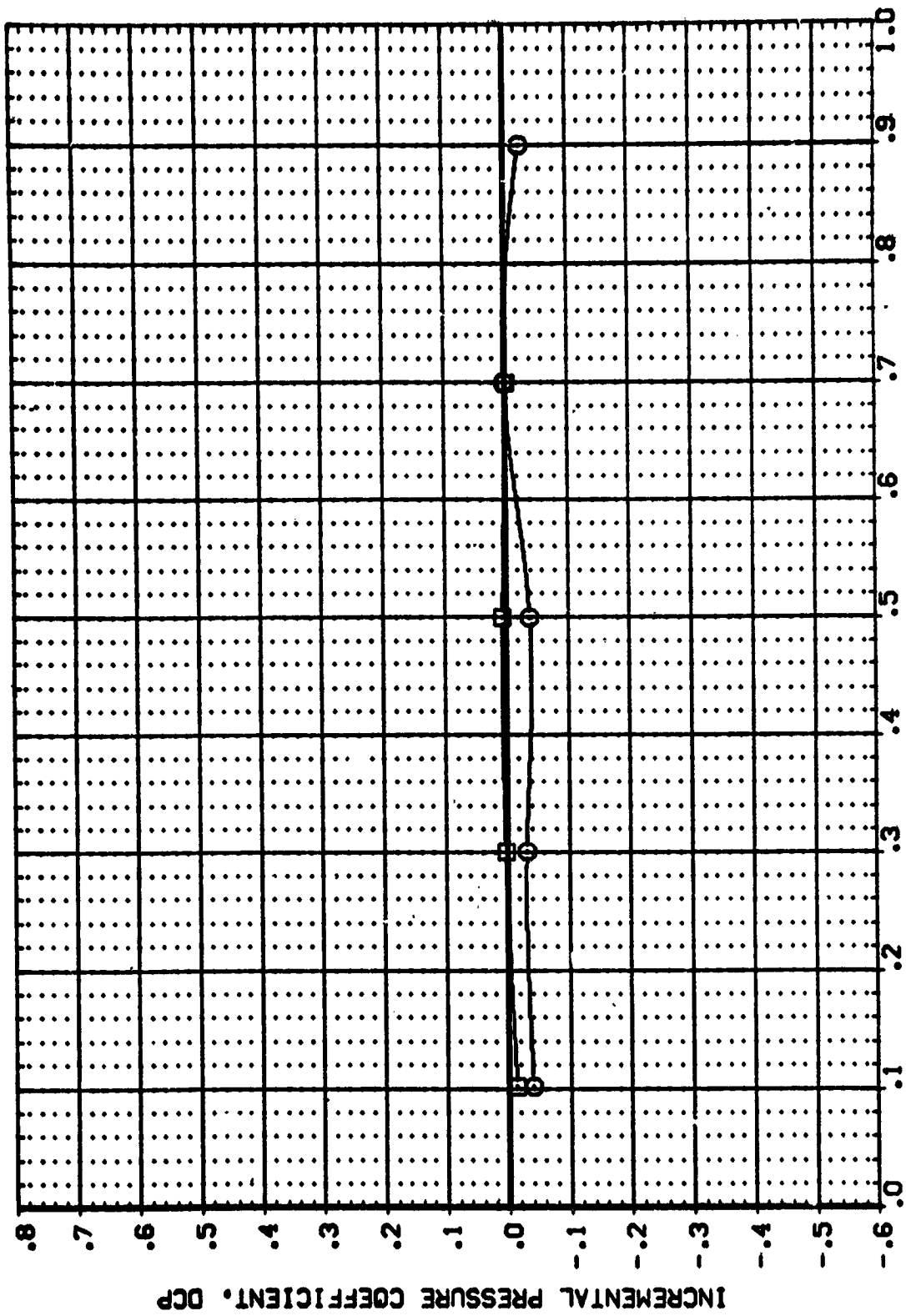


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = 3.790 2Y/B = .500 PAGE 125

DATA SET SYMBOL: (AF4J07) (AF4L07)   
 CONFIGURATION DESCRIPTION: 1A68 (C1F1M2(1)+FILLET) - (C1F1) UPPER WING   
 1A69 (C1F1M2(1)+FILLET) - (C1F1) LOWER WING   
 BETA: .000   
 .000

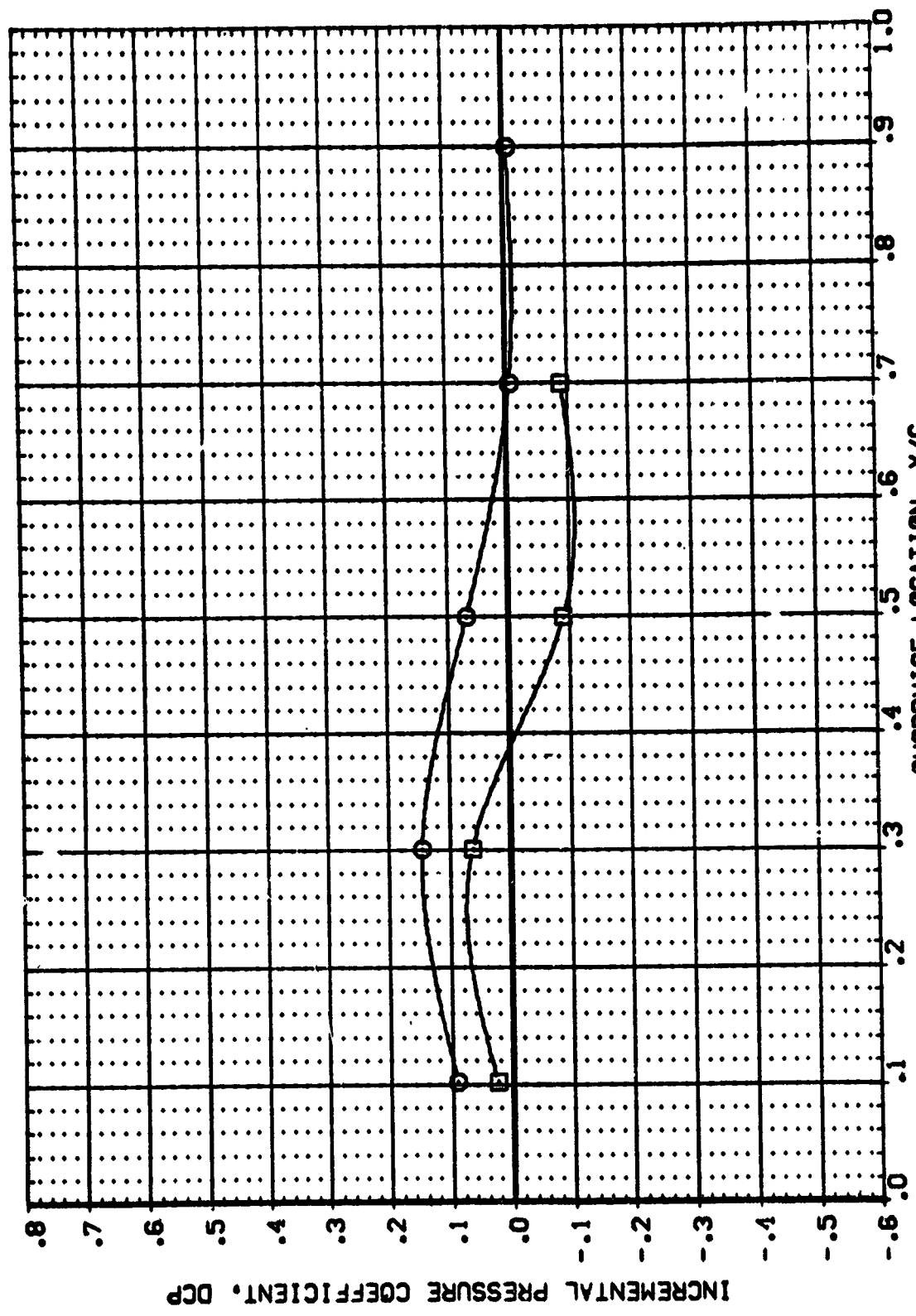


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.206 ALPHA = -3.950 2Y/B = .500 PAGE 126







DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
{AF4L07} IASB {C1F12(1)+FILLET} - {C1F1} UPPER WING .000  
{AF4L07} IASB {C1F12(1)+FILLET} - {C1F1} LOWER WING .000

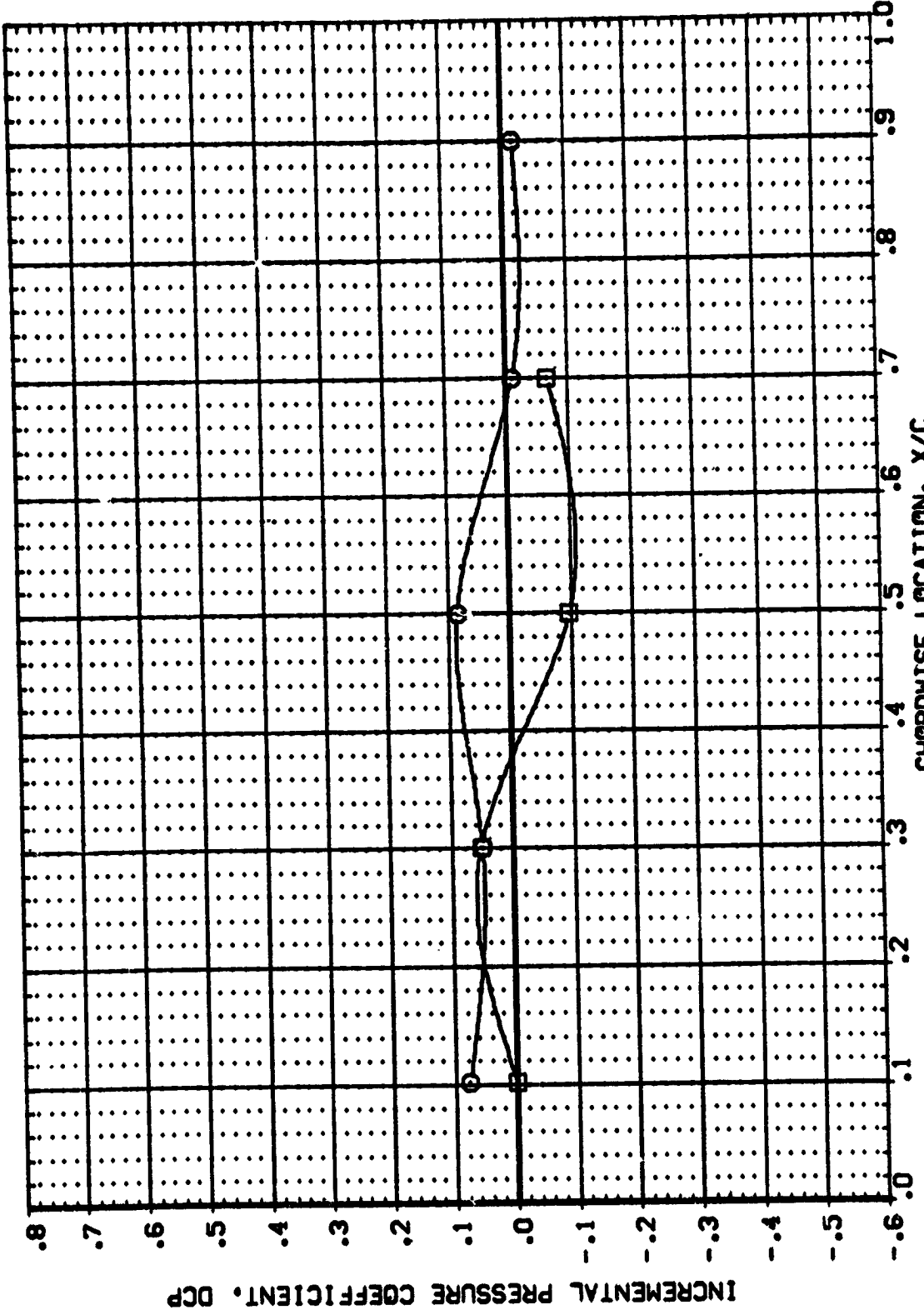


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.206 ALPHA = -2.000 2Y/B = .500

DATA SET SYMBOL: [AFAL07]  CONFIGURATION DESCRIPTION:  
 1A68 (C1F1M2(1)+FILLET) - (C1F1) UPPER WING  
 1A68 (C1F1M2(1)+FILLET) - (C1F1) LOWER WING

BETA  
 .000

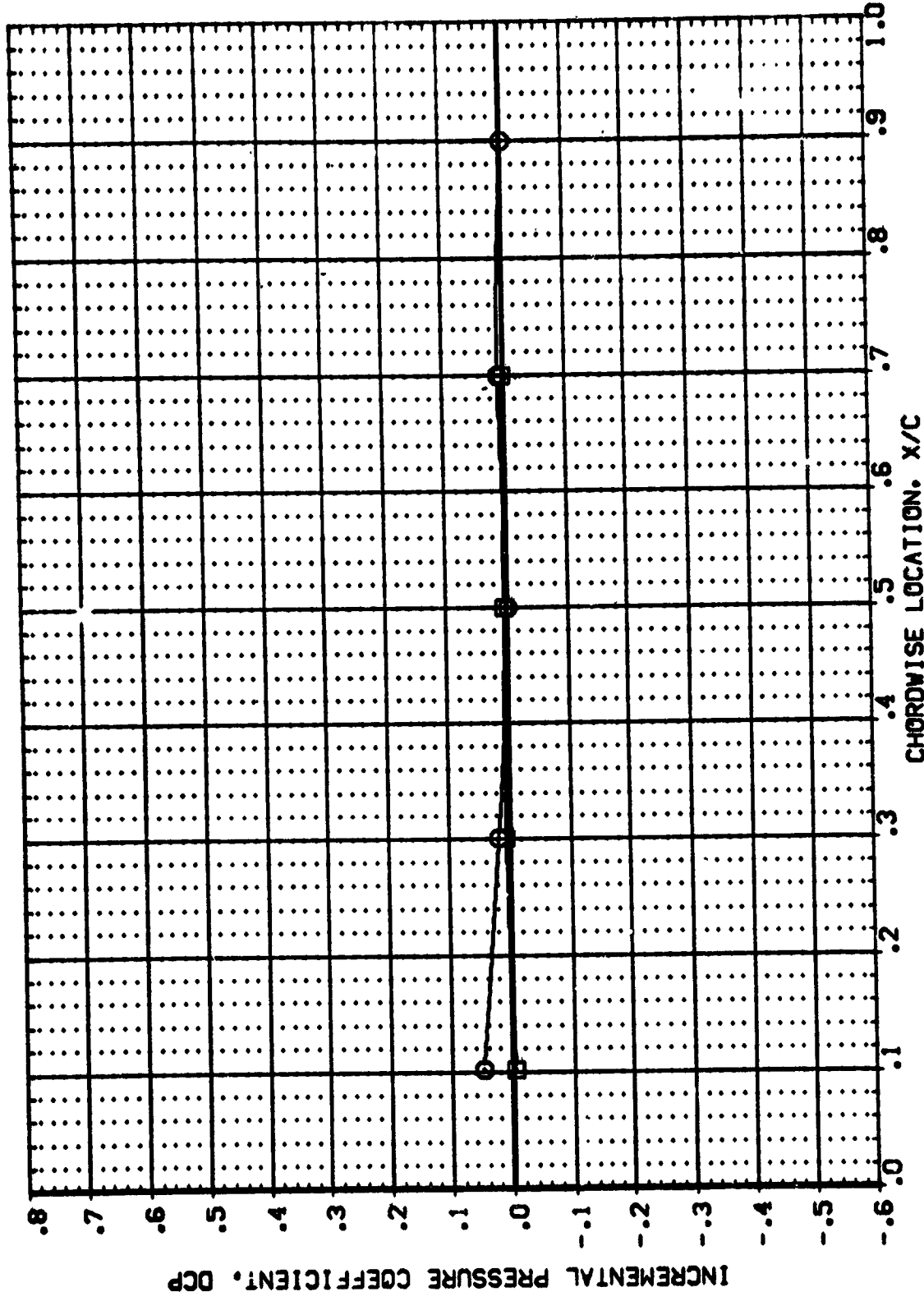


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.206 ALPHA = 3.850 2Y/B = .500



DATA SET SYMBOL: [AF4107] [AF4107] BETA .000  
 [AF4107] [AF4107] [AF4107] .000

CONFIGURATION DESCRIPTION: (C1F1) UPPER WING  
 (C1F2) LOWER WING

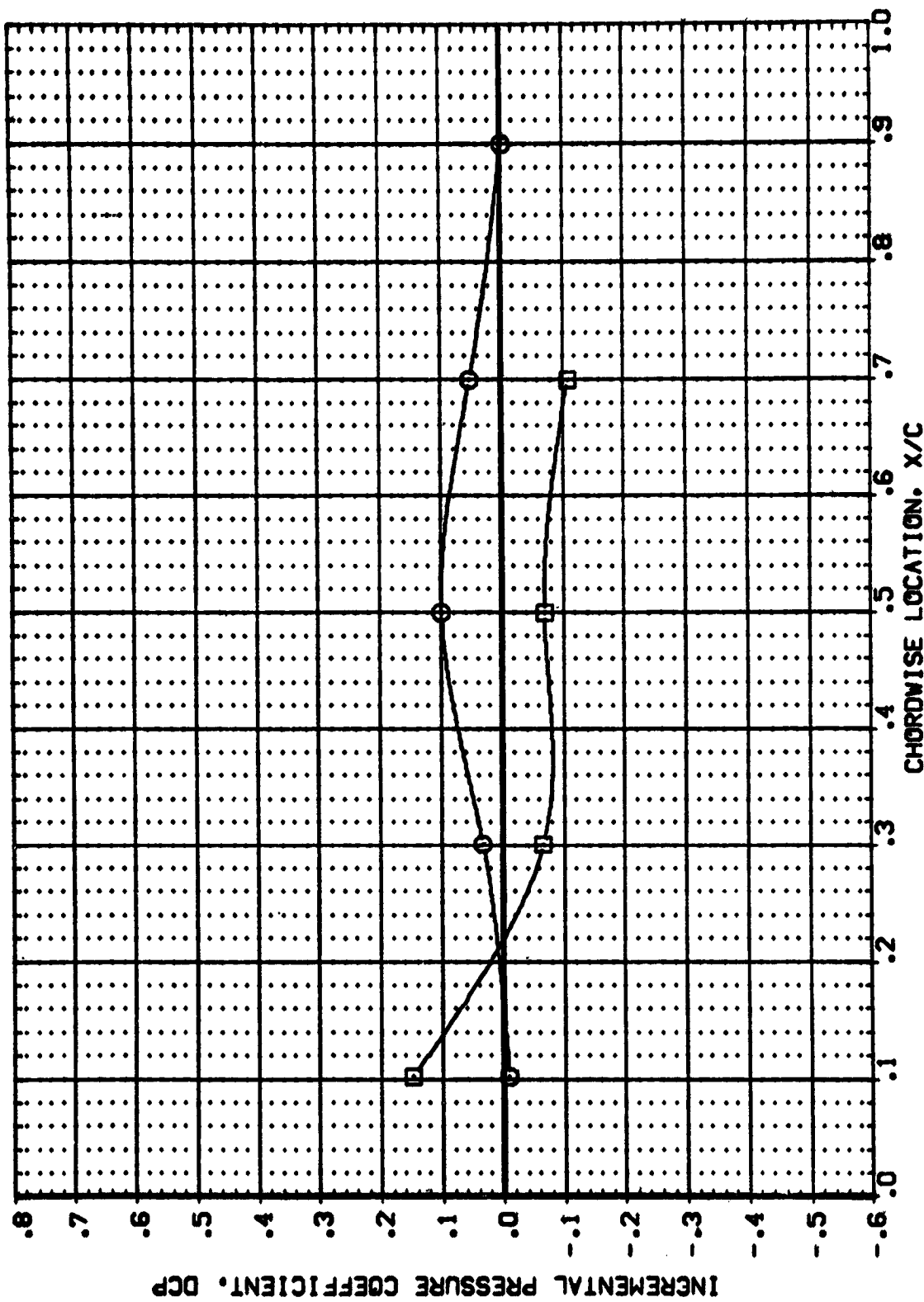


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -3.850 2Y/B = .500

DATA SET SYMBOL:  $\square$  CONFIGURATION DESCRIPTION: (C1F1) UPPER WING  
 (AF4L07)  $\square$  (C1F1M2(1)+FILLET) - (C1F1) LOWER WING  
 (AF4L07)  $\square$  (C1F1M2(1)+FILLET) - (C1F1) LOWER WING  
 BETA: .000  
 .000

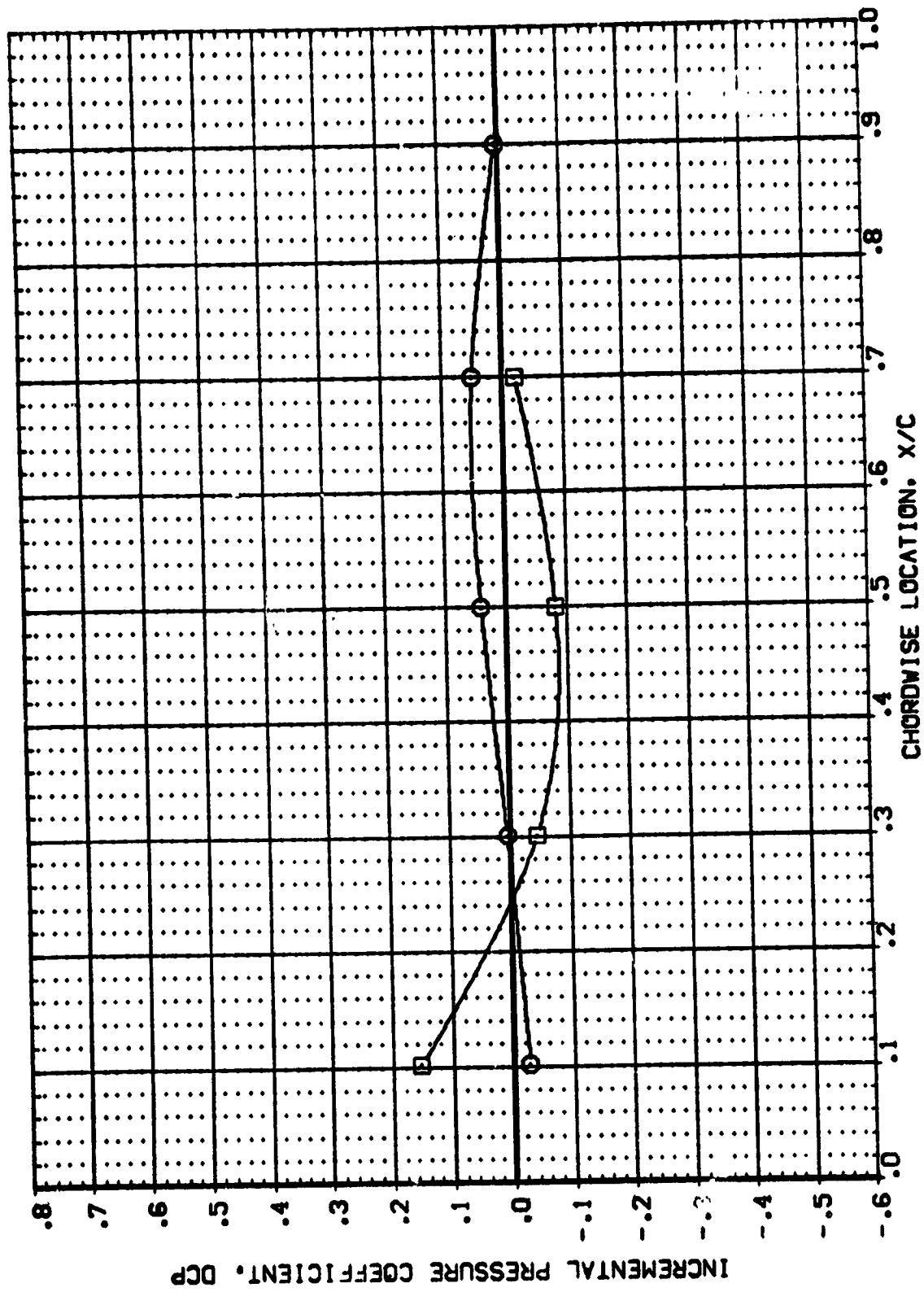


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = .010 2Y/B = .500 PAGE 130



DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 (AF4L07) 8 IASB (C1F1M2(1)+FILLET) - (C1F1) UPPER WING .000  
 (AF4L07) 8 IASB (C1F1M2(1)+FILLET) - (C1F1) LOWER WING .000

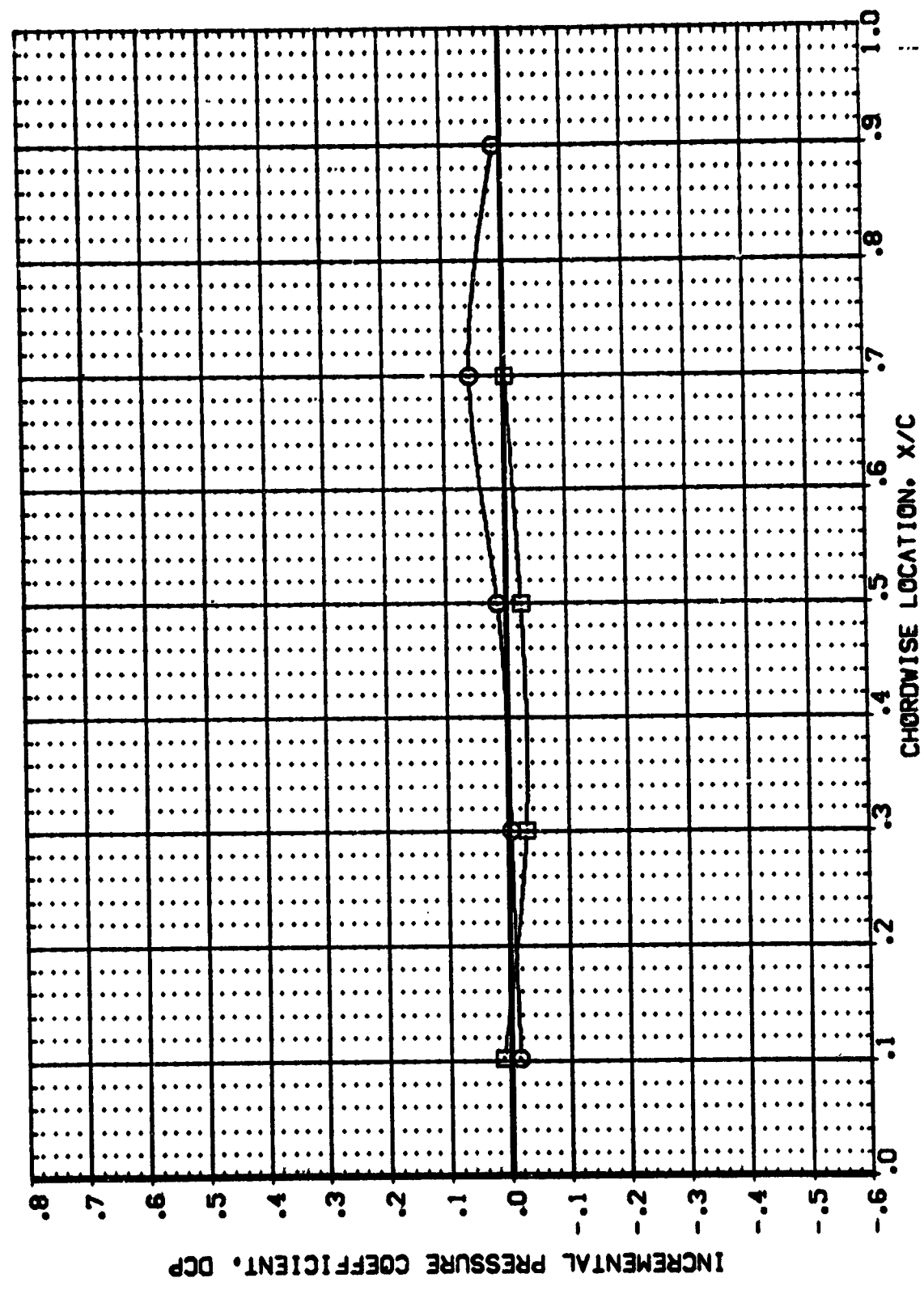


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 1.940 2Y/B = .500

DATA SET SYMBOL: (AF4LO7)  IAGB (C1F1M2(1))+FILLET) - (C1F1) UPPER WING  
 (AF4LO7)  IAGB (C1F1M2(1))+FILLET) - (C1F1) LOWER WING

BETA

.000  
 .000

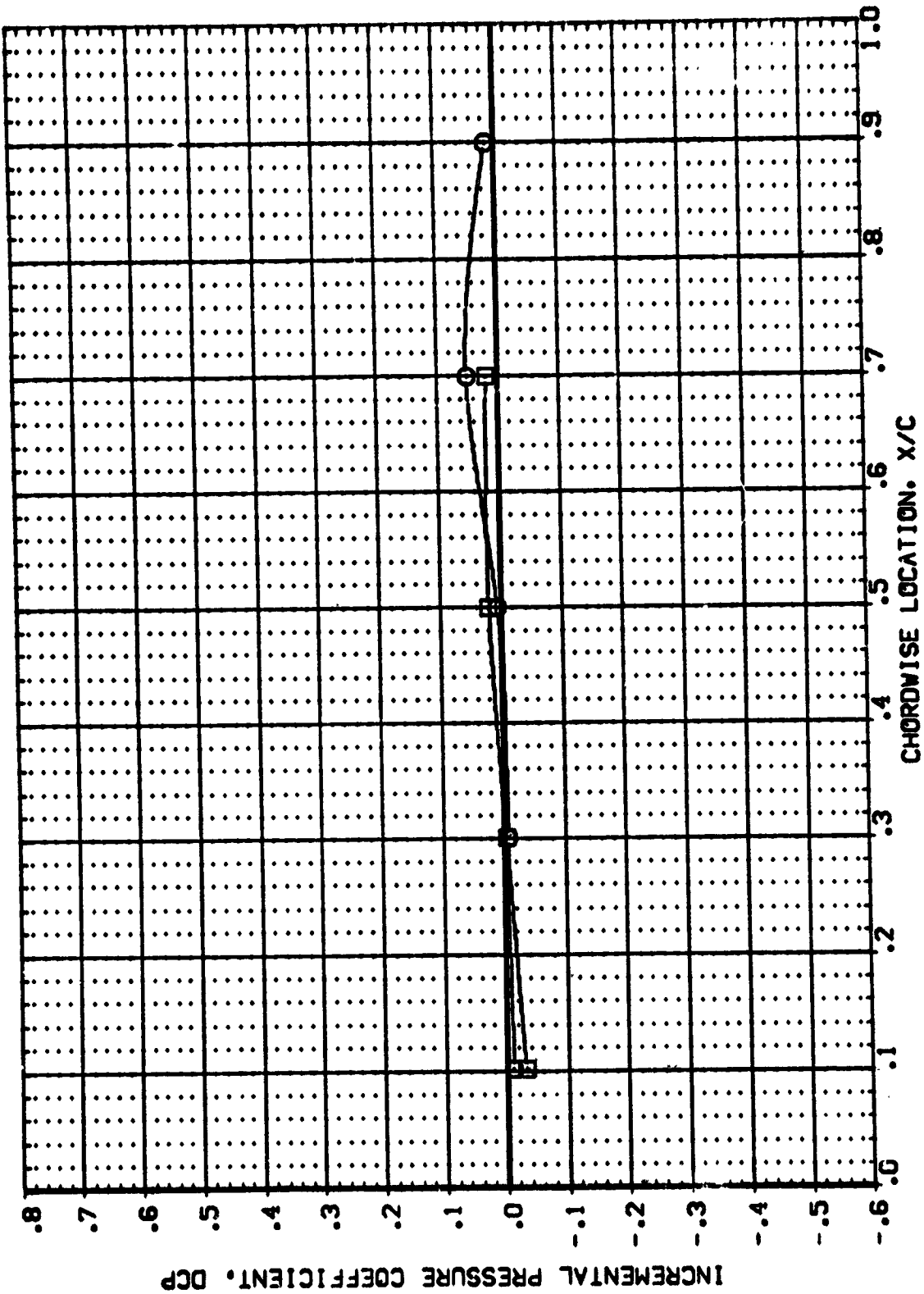


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 3.810 2Y/B = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 (AF4U07) □ IASB (C1F1P2(1)+FILLET) - (C1F1) UPPER WING .000  
 (AF4U07) □ IASB (C1F1P2(1)+FILLET) - (C1F1) LOWER WING .000

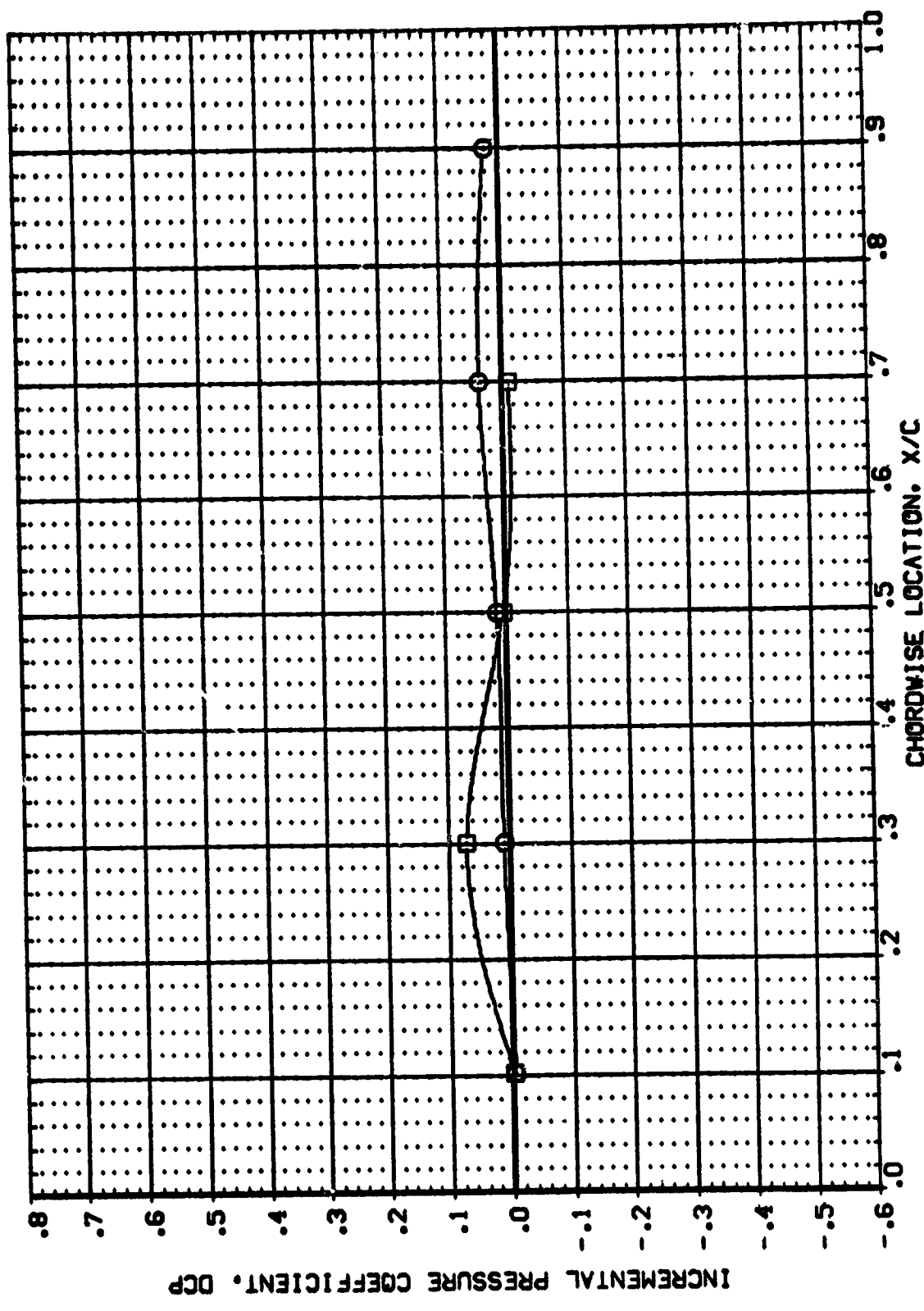
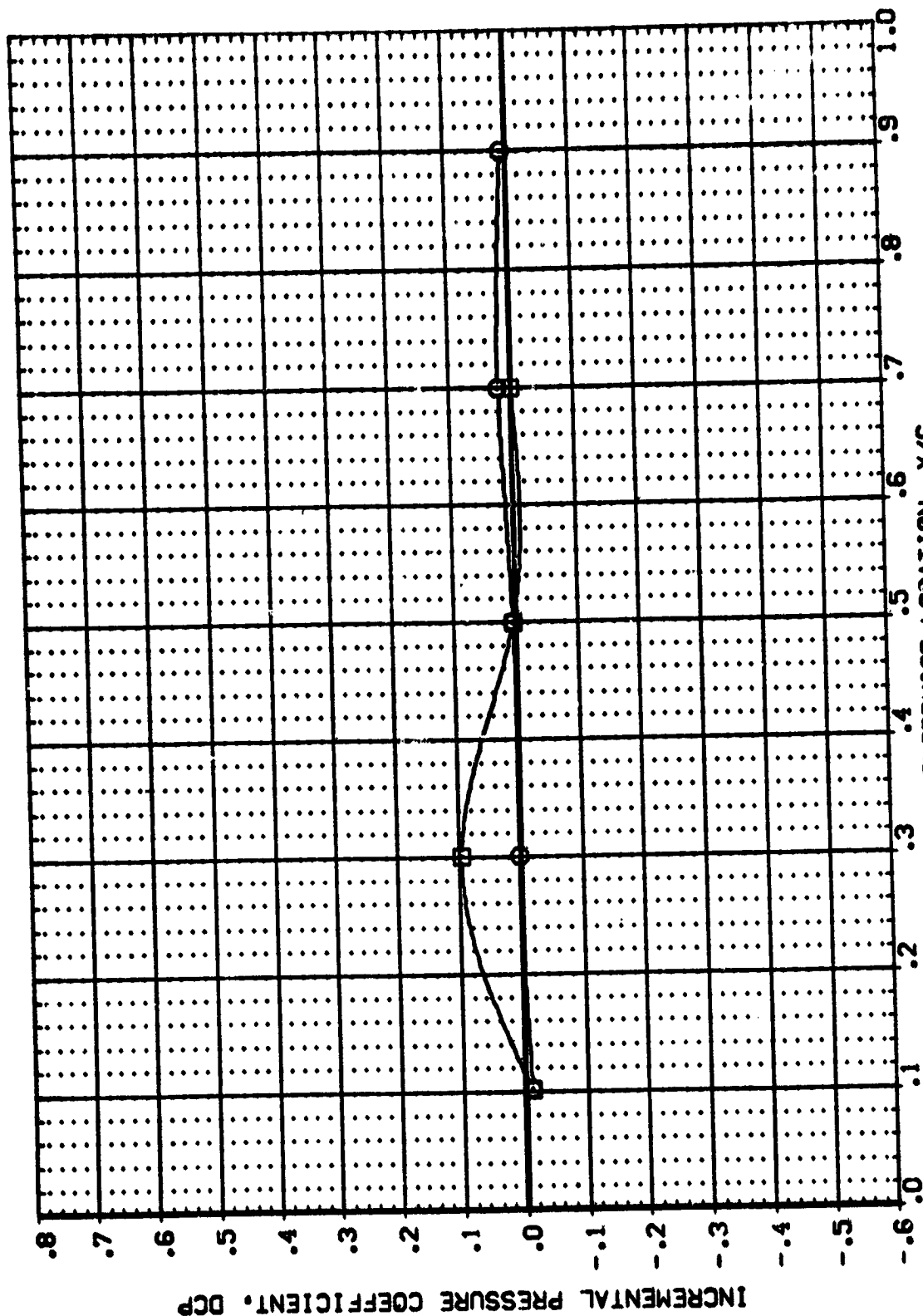


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -1.900 2Y/B = .500

BETA  
.000  
.000

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
{AF4U07} 1A88 {C1F1M211}+FILLET) - {C1F1} UPPER WING  
{AF4L07} 1A88 {C1F1M211}+FILLET) - {C1F1} LOWER WING



CHORDWISE LOCATION, X/C

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = .100 2Y/B = .500





DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 (AF4107) □ IAGB (C1F1M2(1)+FILLET) - (C1F1) UPPER WING .000  
 (AF4107) □ IAGB (C1F1M2(1)+FILLET) - (C1F1) LOWER WING .000

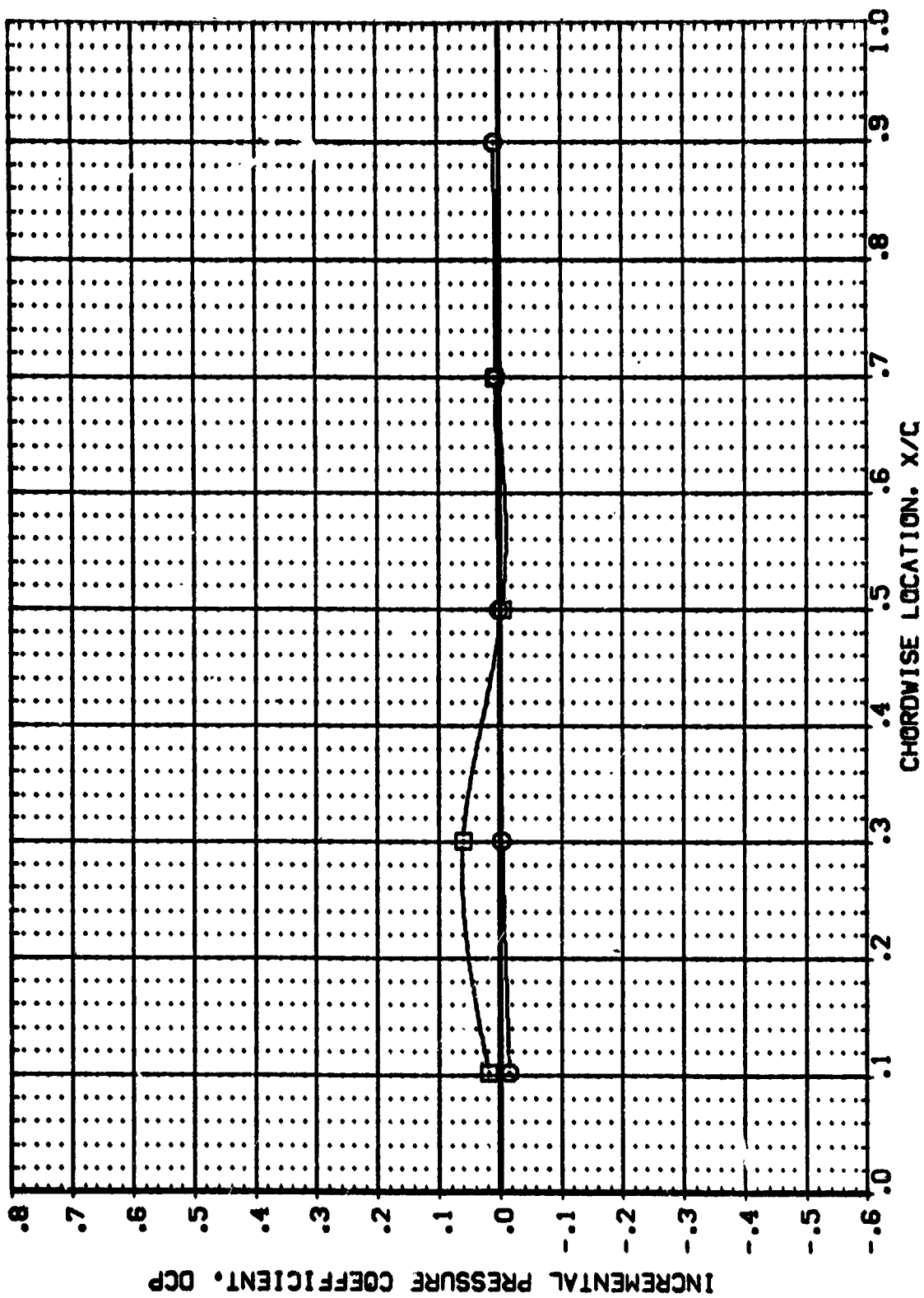


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 2.120 2Y/B = .500

BETA  
.000  
.000

DATA SET SYMB. CONFIGURATION DESCRIPTION  
[AF4L07] 1A68 (C1F1M2(1)+FILLET) - (C1F1) UPPER WING  
[AF4L07] 1A68 (C1F1M2(1)+FILLET) - (C1F1) LOWER WING

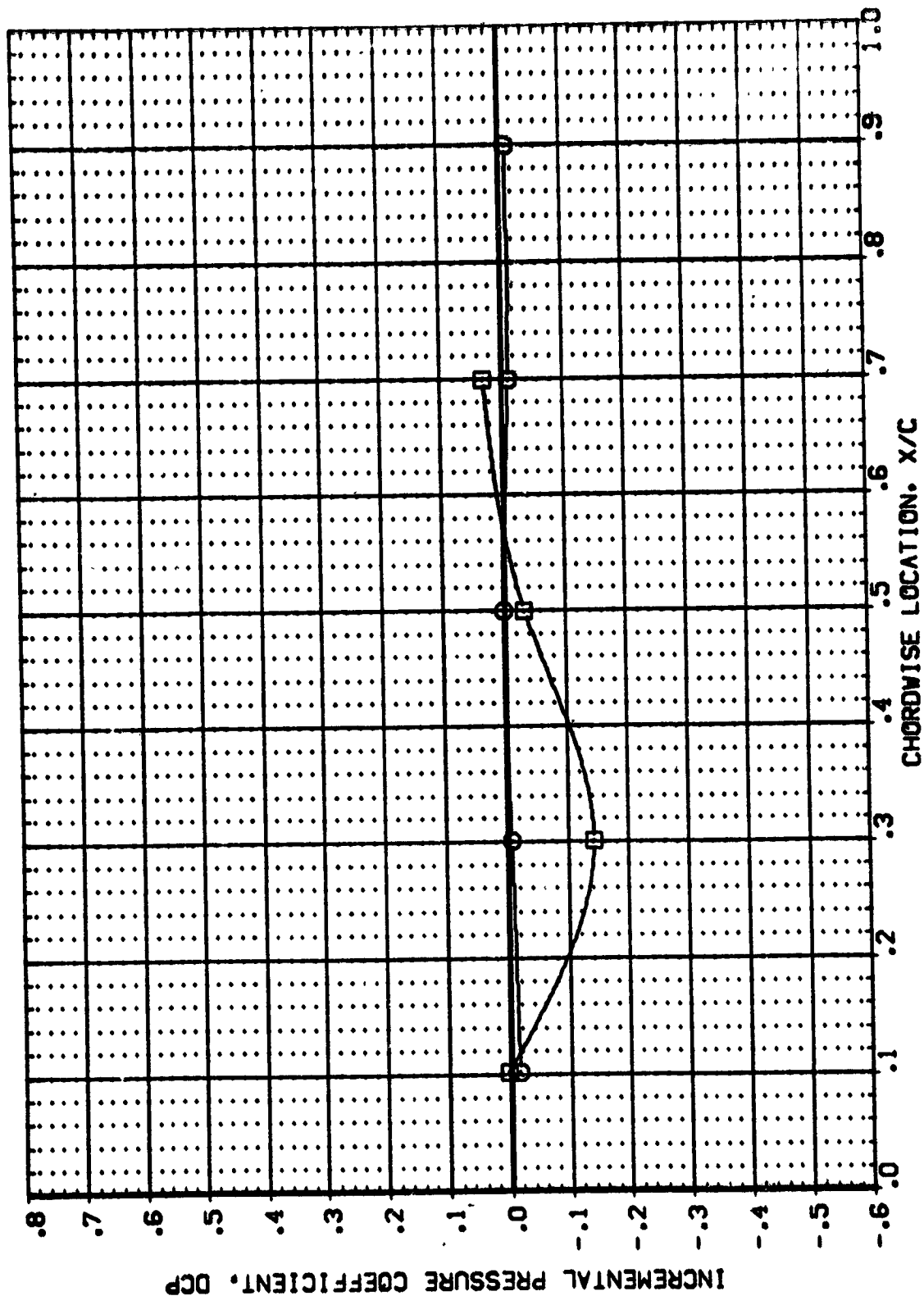


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 4.070 2Y/B = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 (AF4077) IAGB (C1F1P2(1)+FILLET) - (C1F1) UPPER WING .000  
 (AF407) IAGS (C1F1P2(1)+FILLET) - (C1F1) LOWER WING .000

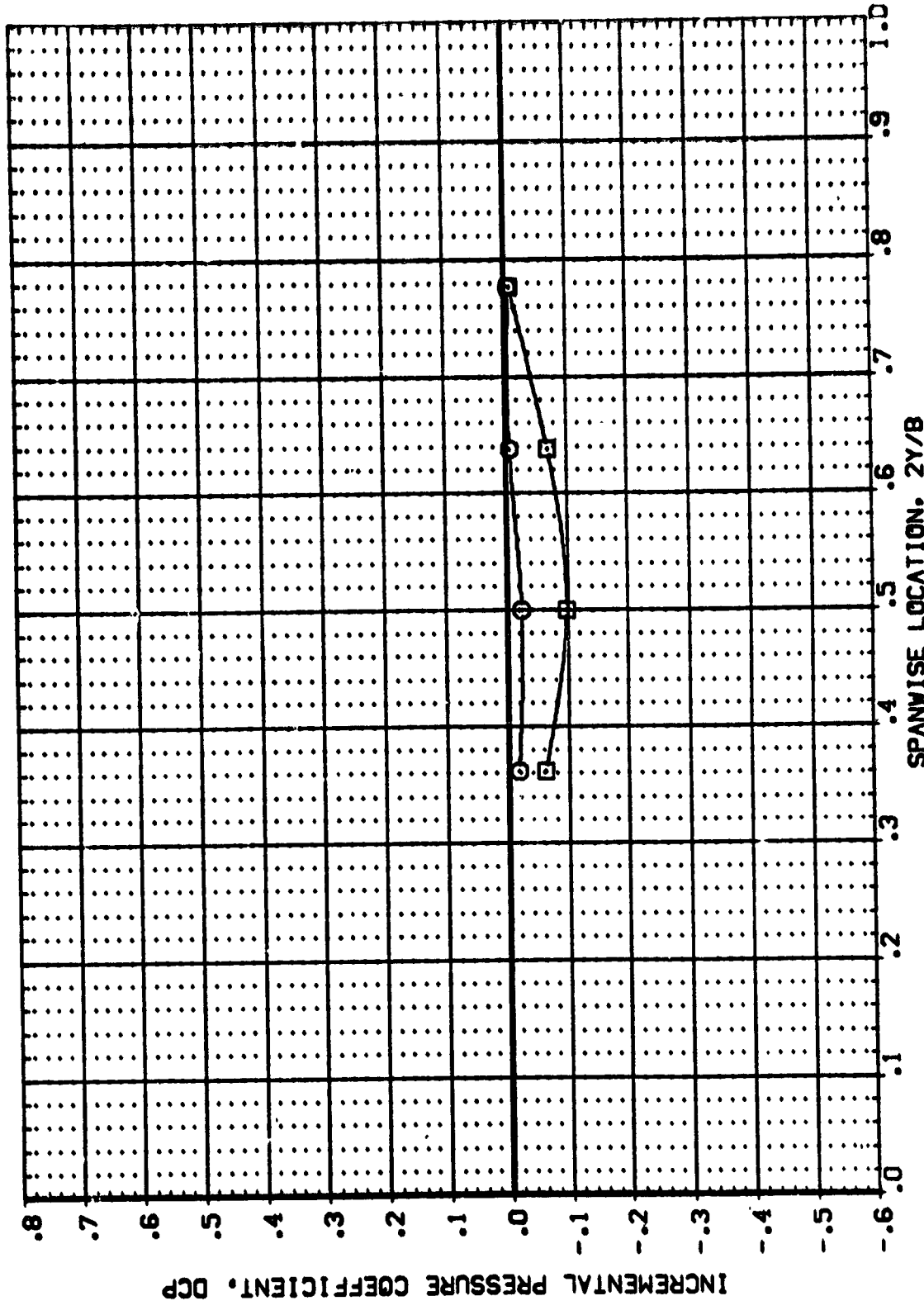


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS  
 MACH = .896 ALPHA = -3.870 X/C = .500  
 SPANWISE LOCATION, 2Y/B PAGE 137



DATA SET SYMBOL: [AF4L07] [AF4L07] BETA .000 .000  
 CONFIGURATION DESCRIPTION: [A68 (C1F1P2(1))+FILLET] - (C1F1) UPPER WING  
 [A68 (C1F1P2(1))+FILLET] - (C1F1) LOWER WING

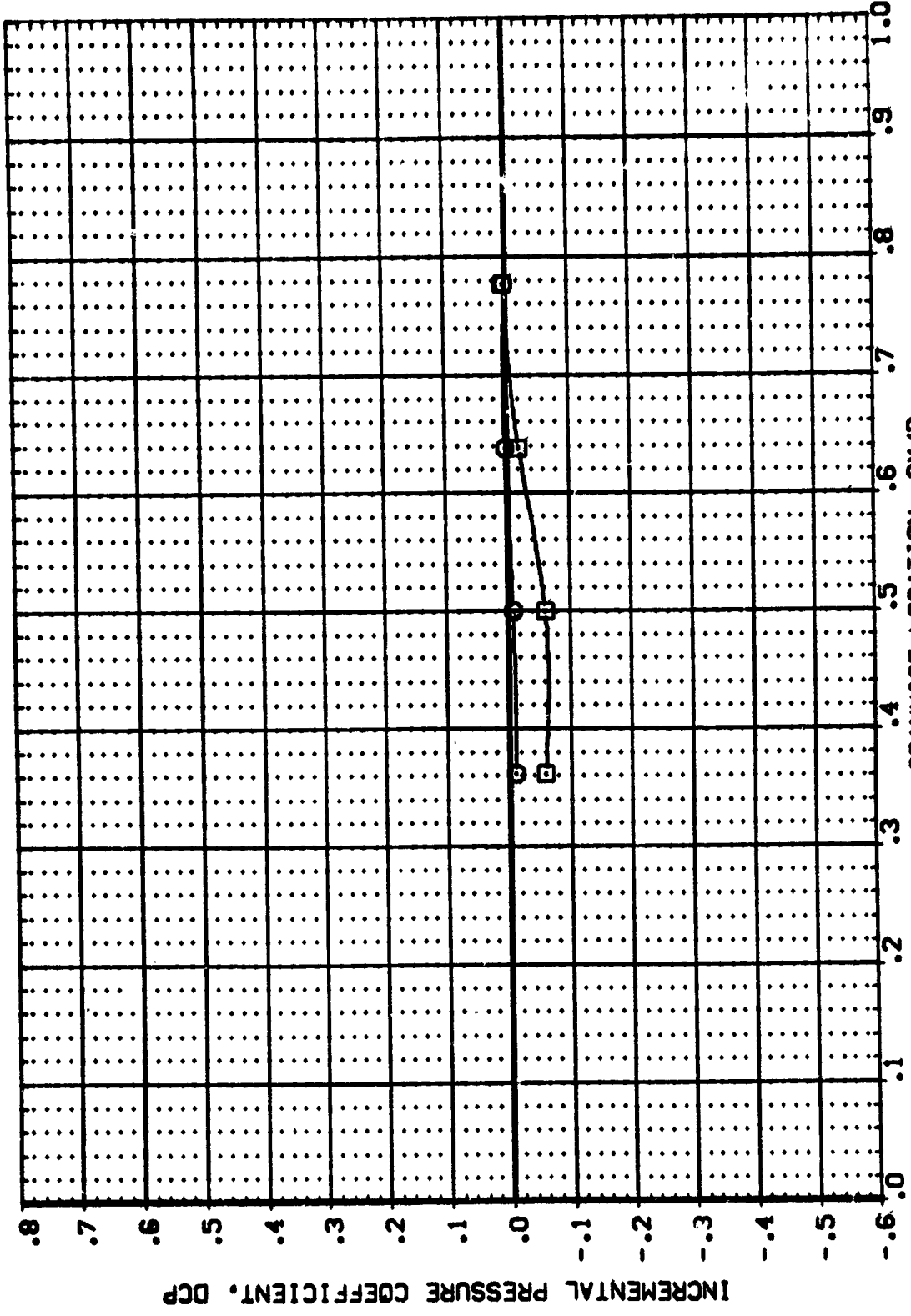


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS  
 MACH = .896 ALPHA = -1.920 X/C = .500 SPANWISE LOCATION, ZY/B PAGE :39



BETA  
.000  
.000

DATA SET SYMBOL: [ ] CONFIGURATION DESCRIPTION: 1A88 (C1F1M2(1)4F1LLET) - (C1F1) UPPER WING  
1A89 (C1F1M2(1)4F1LLET) - (C1F1) LOWER WING

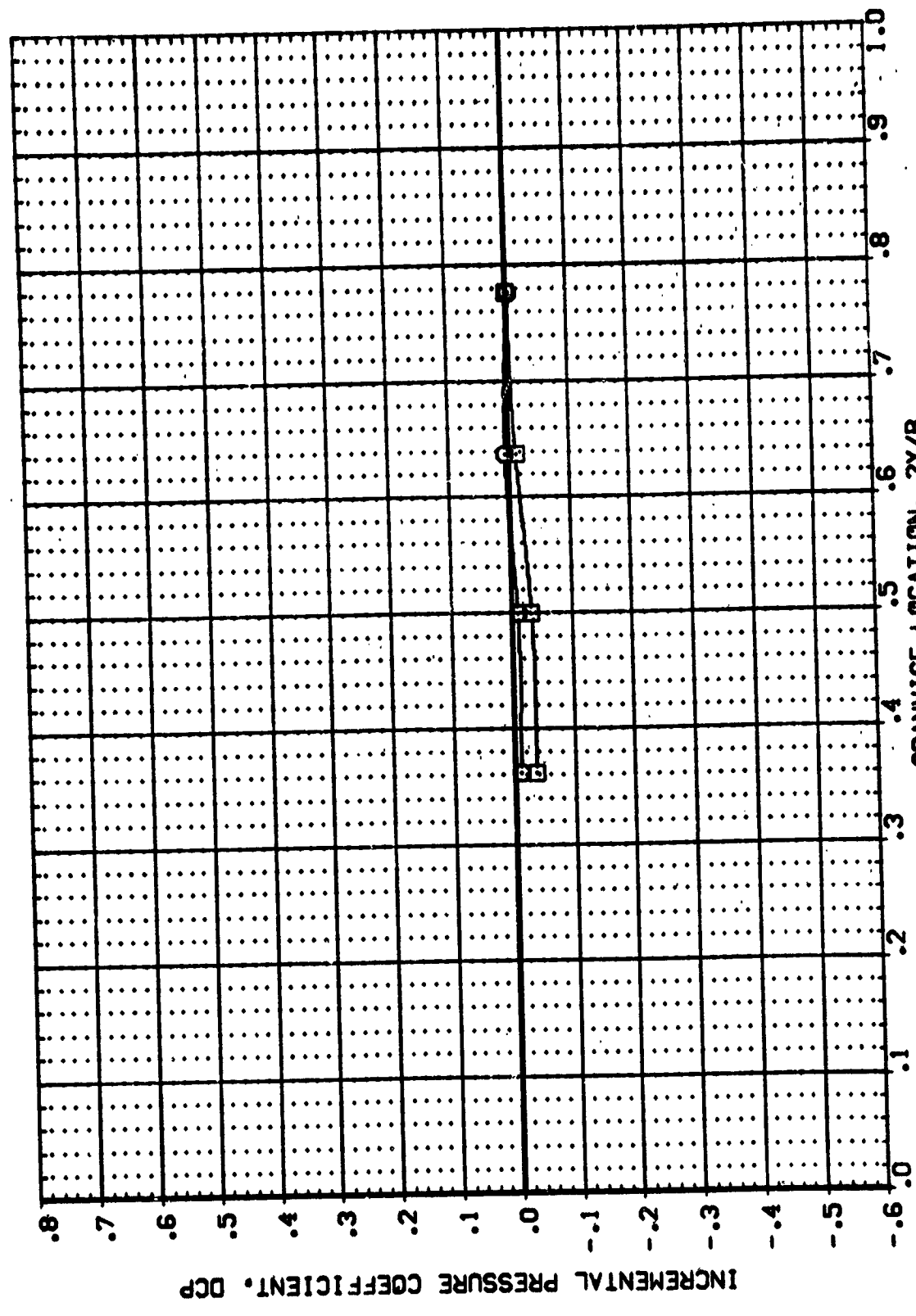
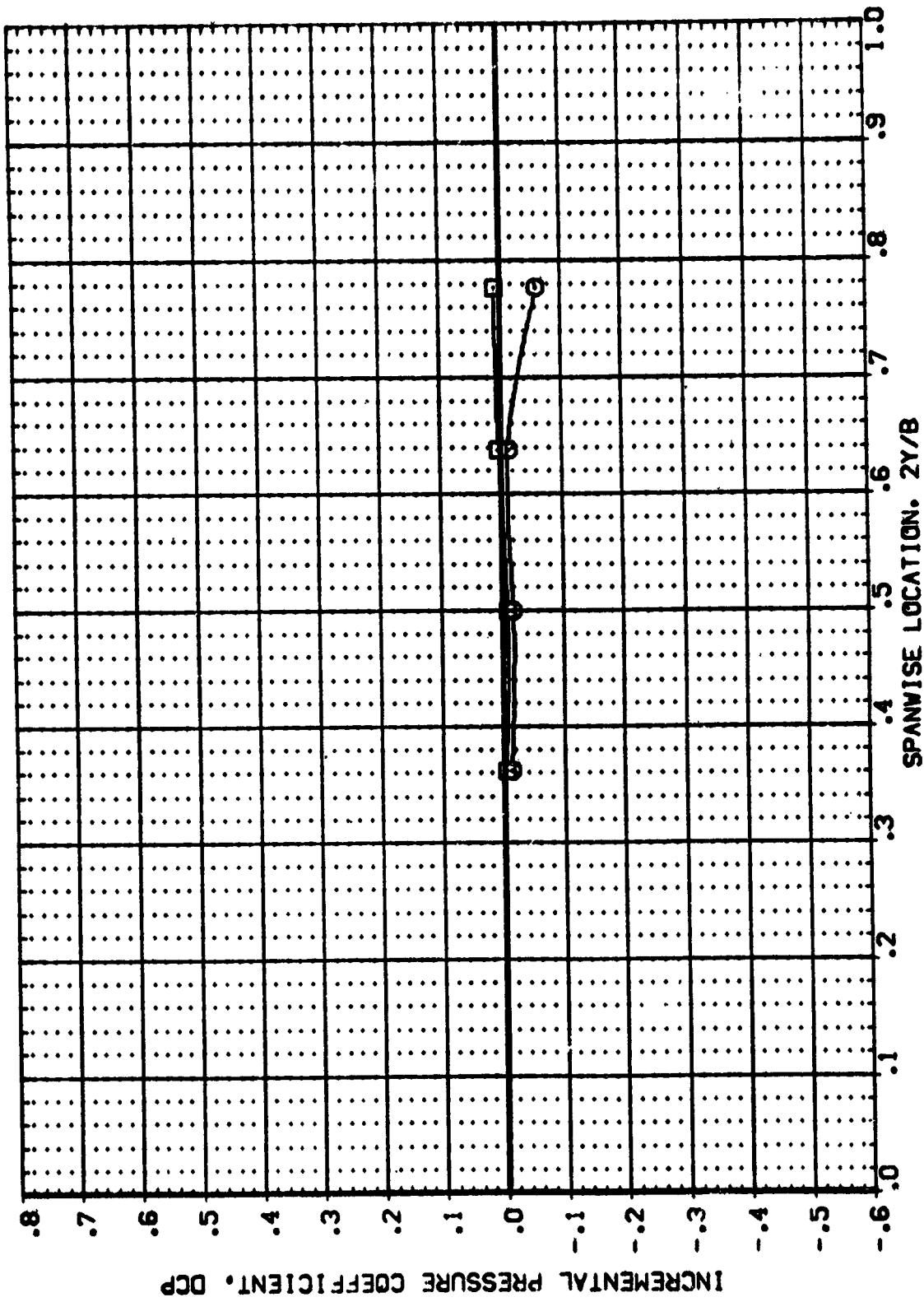


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS  
MACH = .896 ALPHA = .000 X/C = .500  
SPANWISE LOCATION, ZY/B

DATA SET SYMBOL: [AF4LOT] [AF4LOT]    CONFIGURATION DESCRIPTION: 1A68 (C1F1M211)+FILLET) - (C1F1) UPPER WING    BETA: .000  
 1A68 (C1F1M211)+FILLET) - (C1F1) LOWER WING



SPANWISE LOCATION, 2Y/B

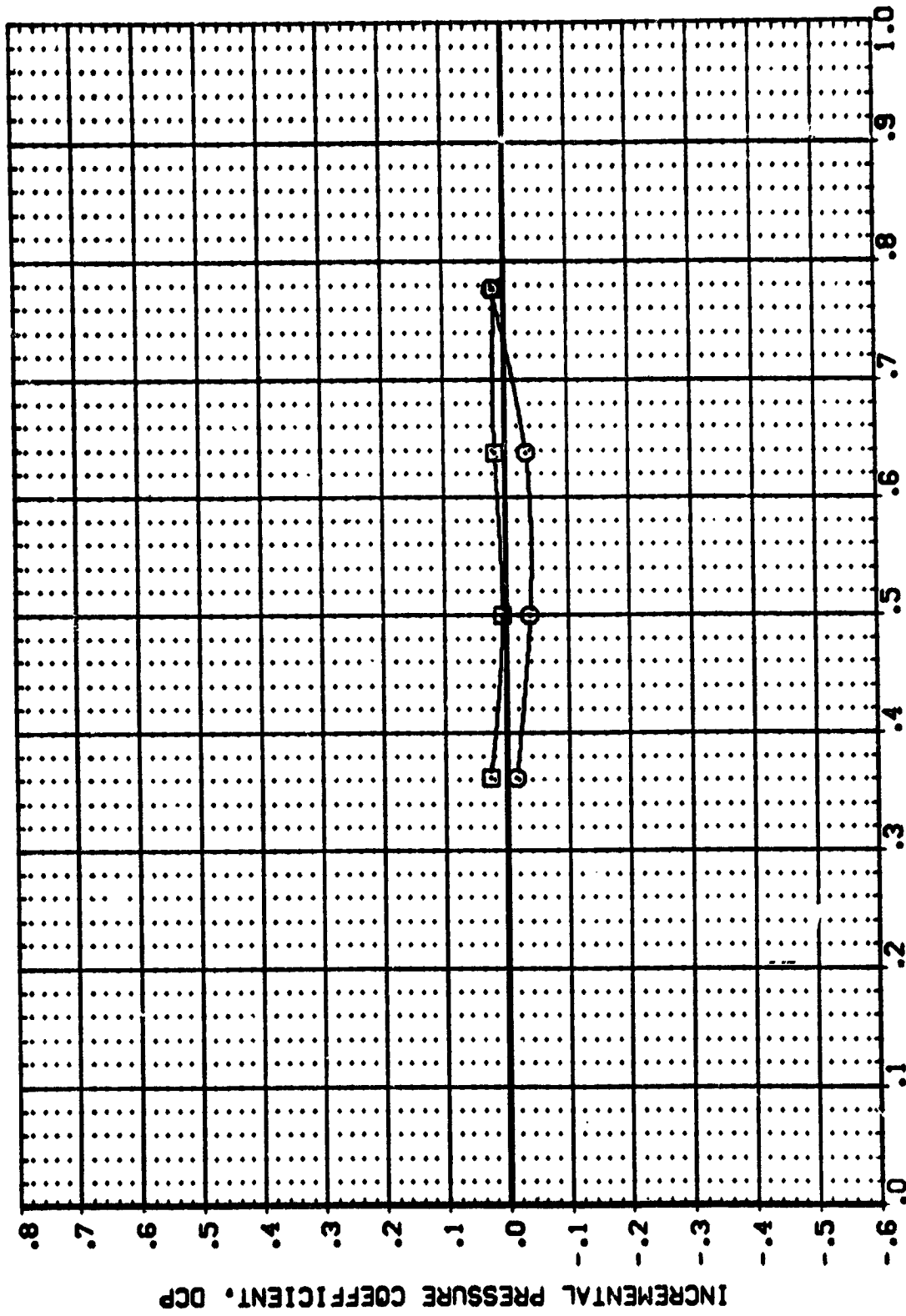
FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896    ALPHA = 1.890    X/C = .500



DATA SET SYMB. CONFIGURATION DESCRIPTION  
 (A-4107) □ IASB (C1F1R2(1)+FILLET) - (C1F1) UPPER WING  
 (A-4107) □ IASB (C1F1R2(1)+FILLET) - (C1F1) LOWER WING

BETA  
 .000  
 .000



SPANWISE LOCATION, 2Y/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

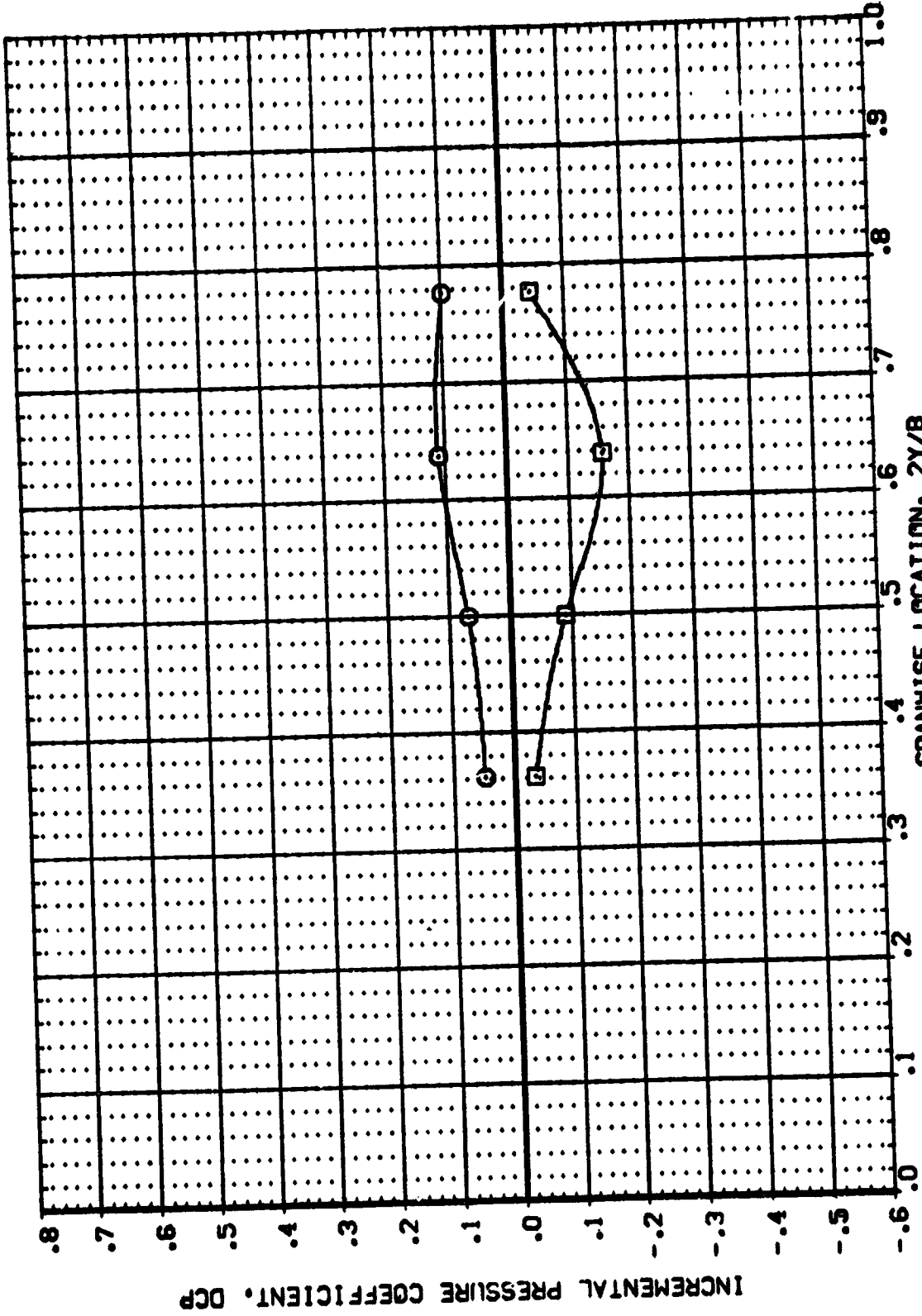
MACH = .896 ALPHA = 3.790 X/C = .500

DATA SET SYMBOL  
(AF4LG7)

CONFIGURATION DESCRIPTION  
1A68 (C1F1M2(1))+FILLET - (C1F1)  
1A68 (C1F1M2(1))+FILLET - (C1F1)

BETA  
.000  
.000

UPPER WING  
LOWER WING



INCREMENTAL PRESSURE COEFFICIENT, DCP

SPANWISE LOCATION, 2Y/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.206 ALPHA = -3.950 X/C = .500





DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (AF4L07) [ ] 1A88 (C1F1M2(1))+FILLET) - (C1F1) UPPER WING  
 (AF4L07) [ ] 1A88 (C1F1M2(1))+FILLET) - (C1F1) LOWER WING

BETA  
 .000  
 .000

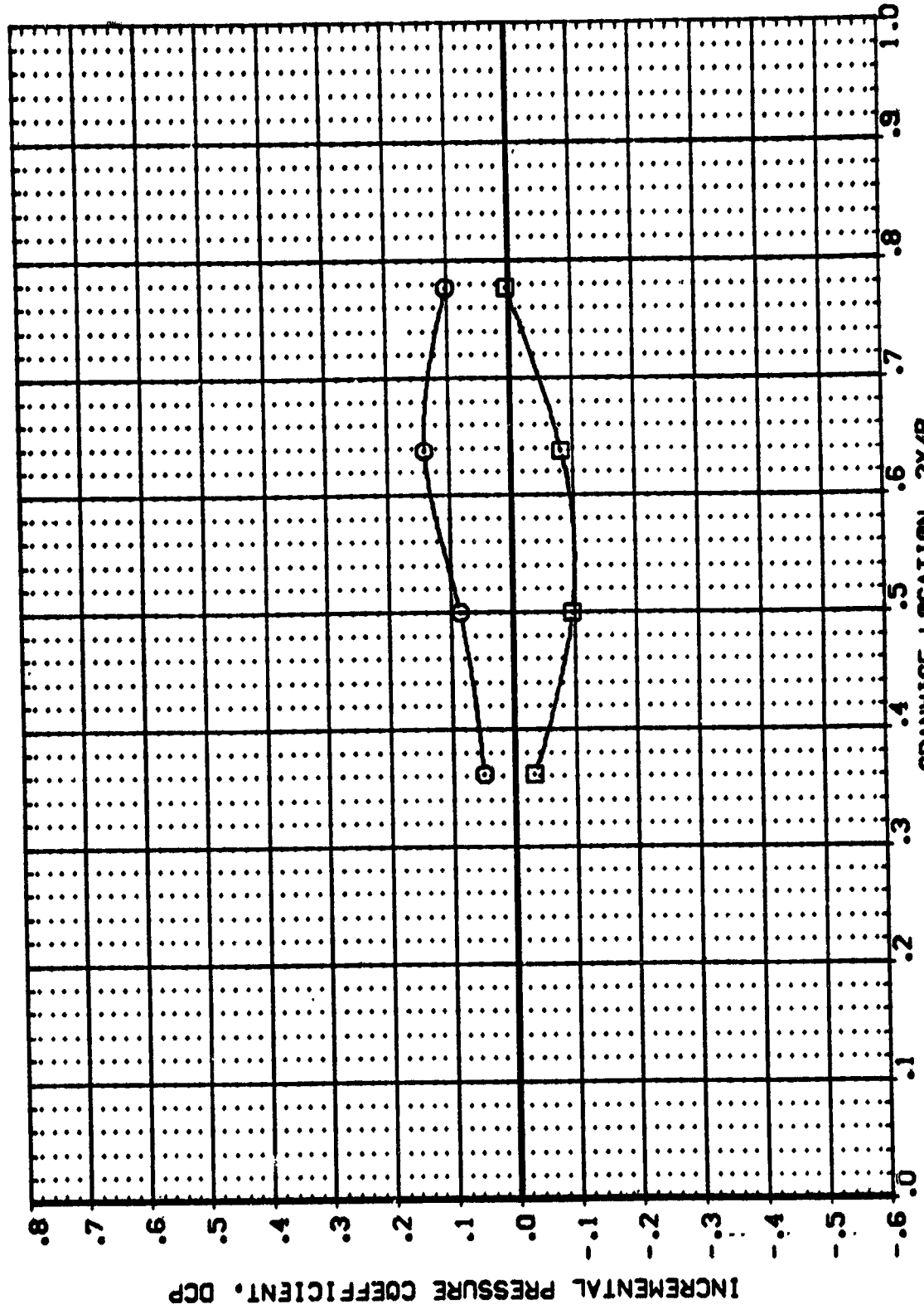
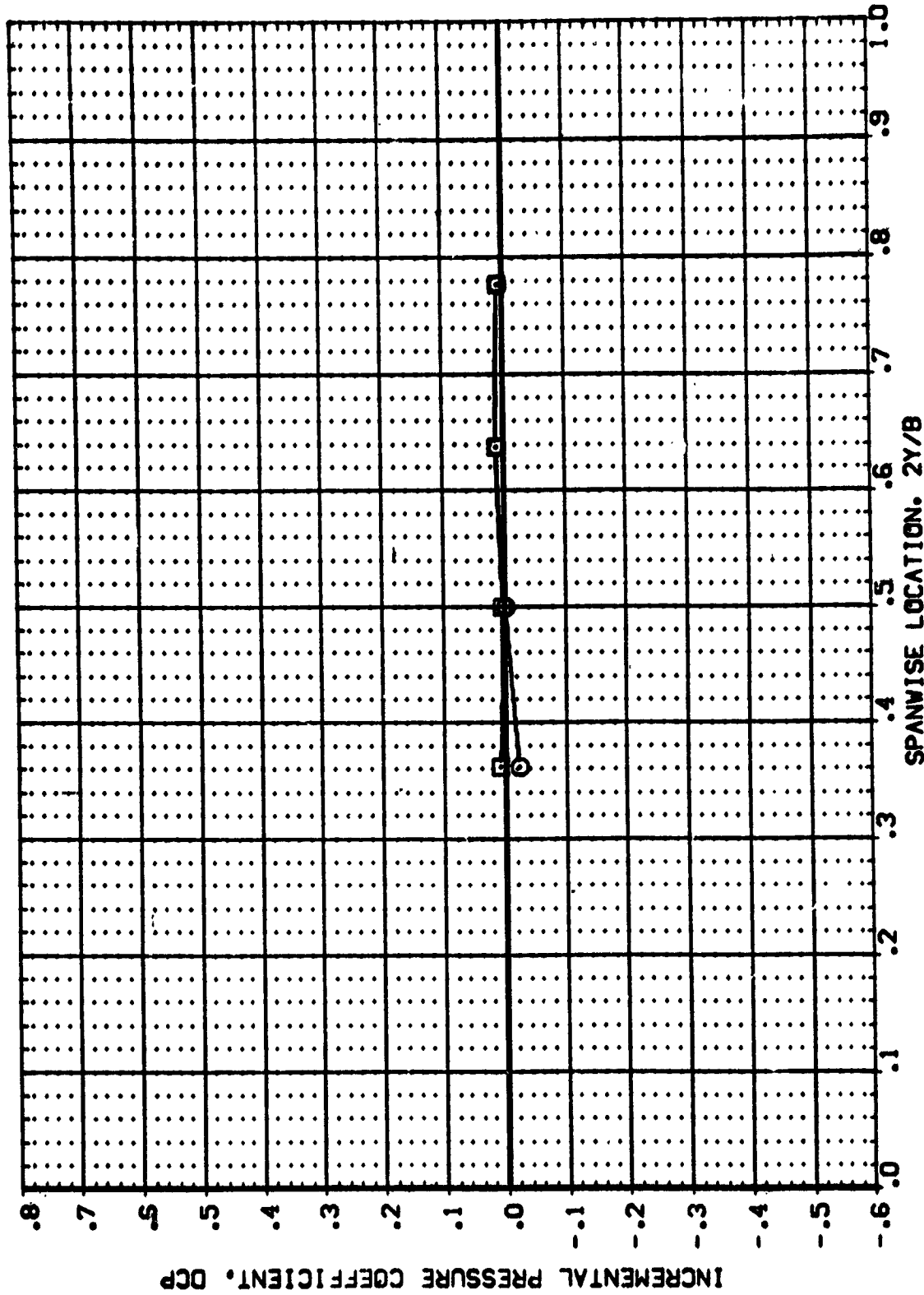


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

DATA SET SYMBO.  (AF407)  (AF407) BETA .000 .000

CONFIGURATION DESCRIPTION  
 IASB (C1F1N2(1)+FILLET) - (C1F1) UPPER WING  
 IASB (C1F1N2(1)+FILLET) - (C1F1) LOWER WING



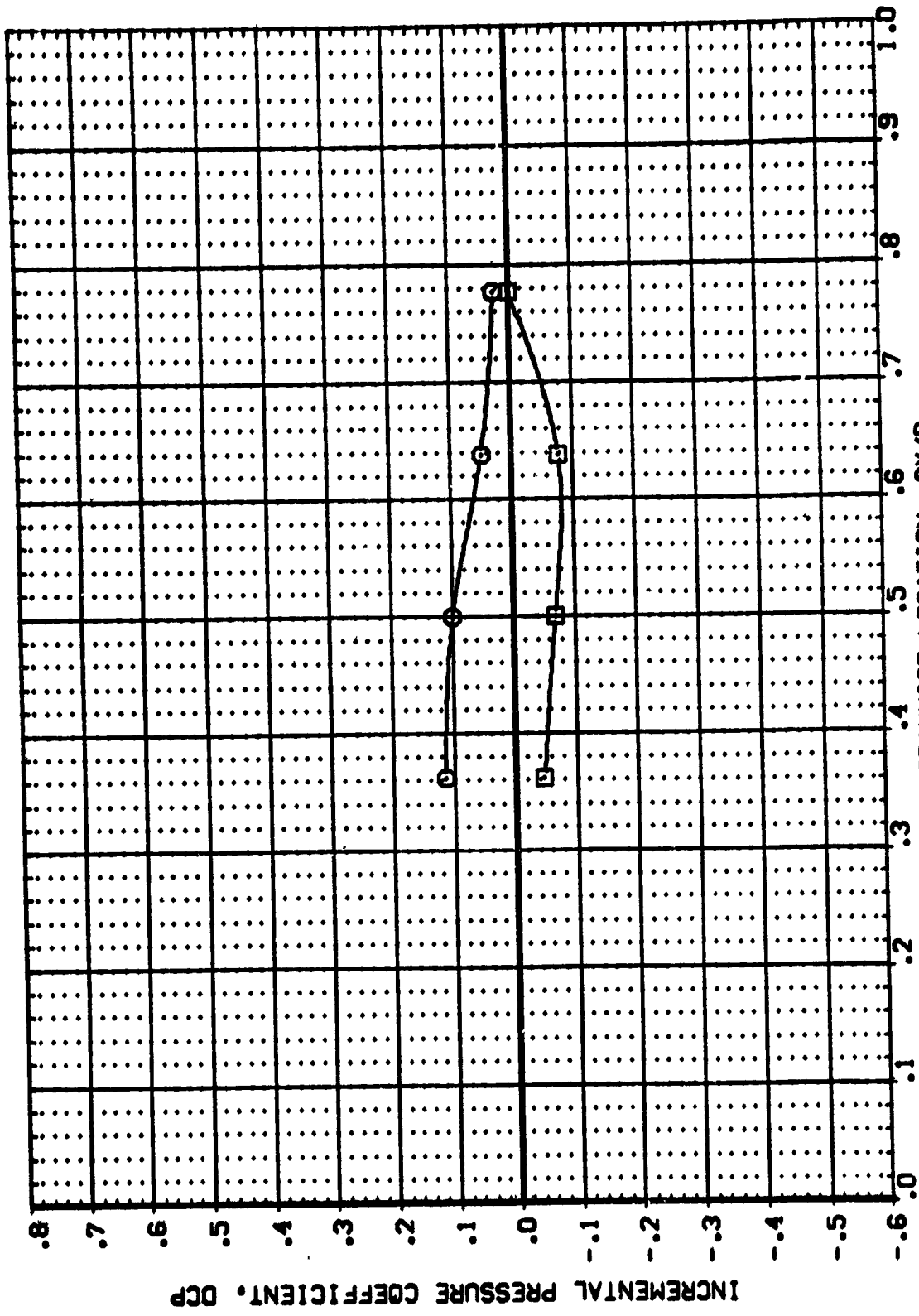
SPANWISE LOCATION, 2Y/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.206 ALPHA = 3.850 X/C = .500



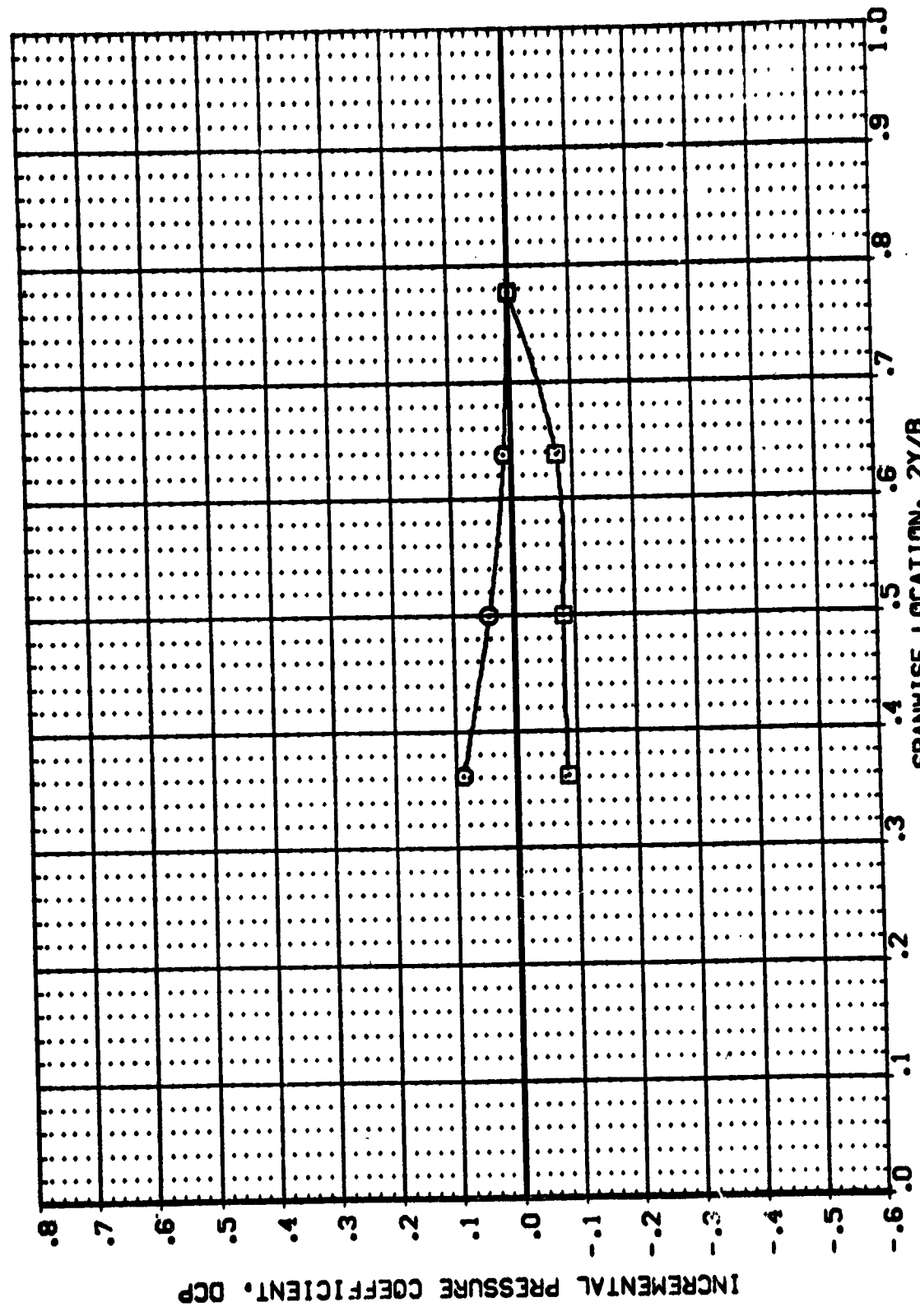
DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 {AF4UD7} IASB (C1F1M2{1}+FILLET) - (C1F1) UPPER WING  
 {AF4UD7} IASB (C1F1M2{1}+FILLET) - (C1F1) LOWER WING  
 BETA .000  
 .000



INCREMENTAL PRESSURE COEFFICIENT, DCP  
 SPANWISE LOCATION, 2Y/B  
 FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS  
 MACH = 1.503 ALPHA = -3.850 X/C = .500  
 PAGE 145

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (AF4L07) 1A68 (C1F1M211)+FILLET) - (C1F1) UPPER WING  
 (AF4L07) 1A68 (C1F1M211)+FILLET) - (C1F1) LOWER WING

BETA  
 .000  
 .000



SPANWISE LOCATION, 2Y/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = .010 X/C = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 (AF4L07) [AF4L07] IASB (C1F1M2(1)+FILLET) - (C1F1) UPPER WING .000  
 (AF4L07) [AF4L07] IASB (C1F1M2(1)+FILLET) - (C1F1) LOWER WING .000

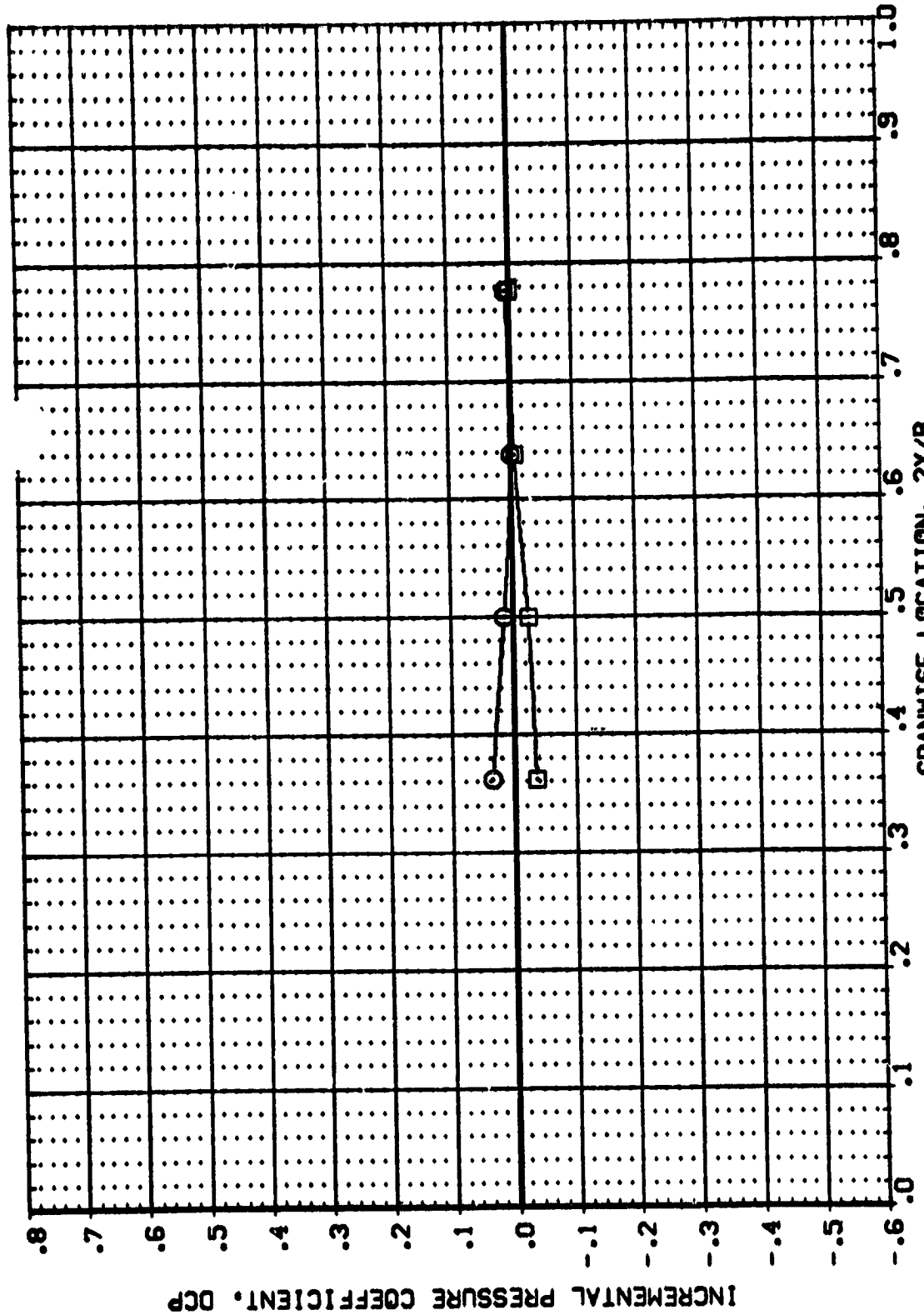
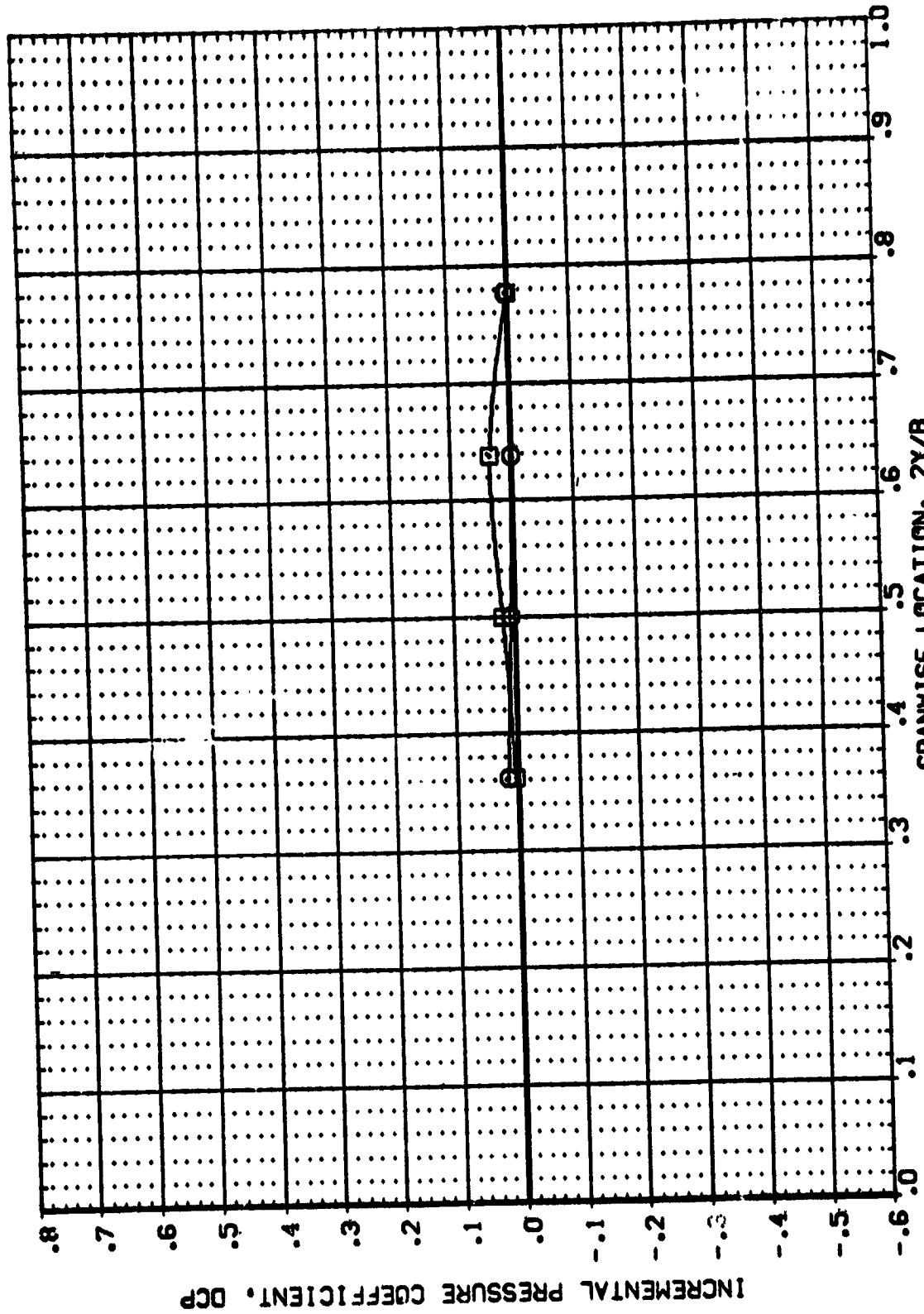


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS  
 MACH = 1.503 ALPHA = 1.940 X/C = .500  
 SPANWISE LOCATION, ZY/B PAGE 147

DATA SET SYMB. 9 BETA .000  
 (AF-4L07) (AF-4L07) .000  
 CONFIGURATION DESCRIPTION  
 IASB (CIF1M2(1))+FILLET) - (CIF1) UPPER WING  
 IASB (CIF1M2(1))+FILLET) - (CIF1) LOWER WING



SPANWISE LOCATION, ZY/B  
 FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS  
 MACH = 1.503 ALPHA = 3.810 X/C = .500 PAGE 148



DATA SET SYMBOL    CONFIGURATION DESCRIPTION    BETA

{ AF4L07 }    □    1A68 {C1F1M2(1)+FILLET} - {C1F1} UPPER WING    .000

{ AF4L07 }    □    1A68 {C1F1M2(1)+FILLET} - {C1F1} LOWER WING    .000

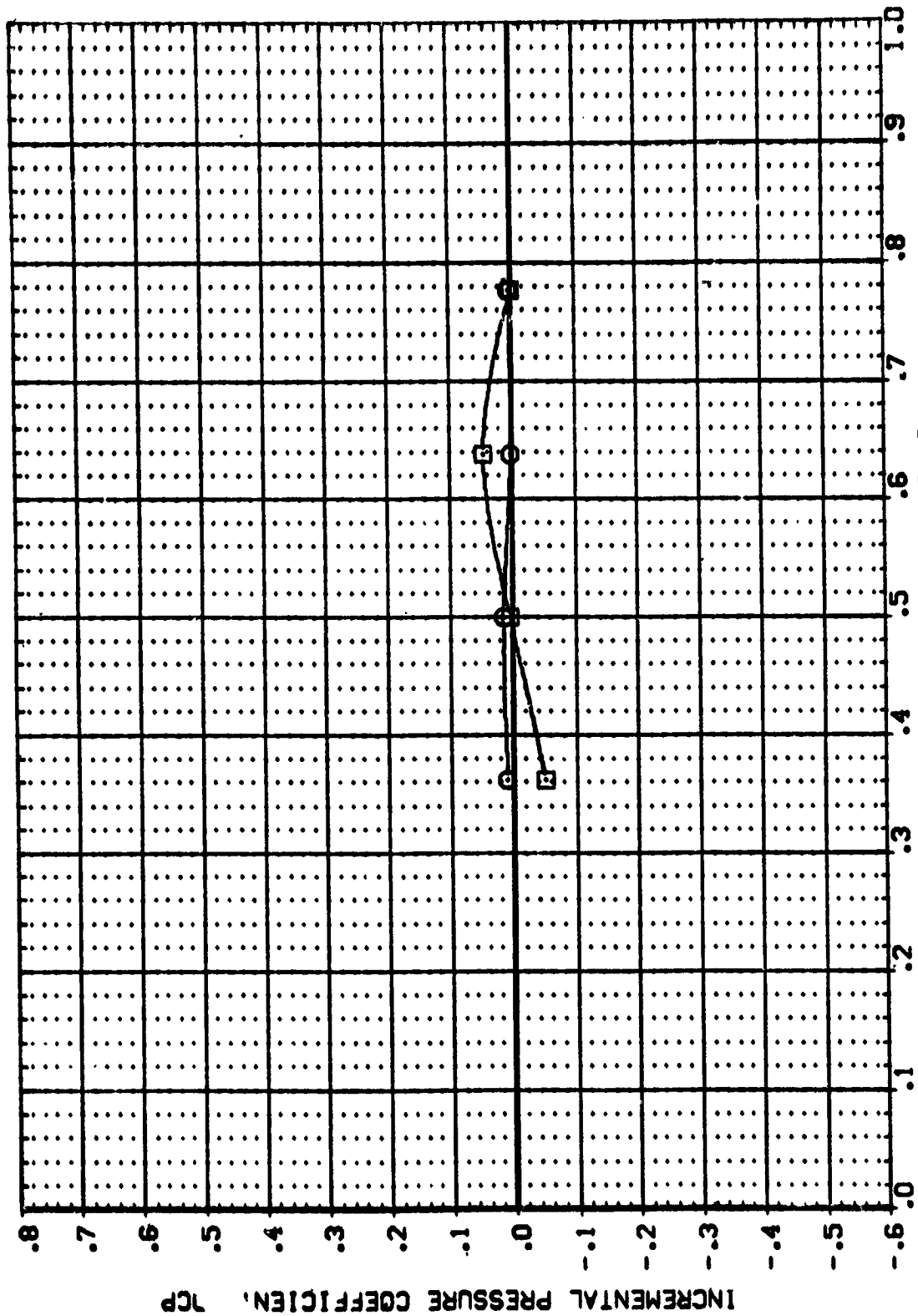


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991    ALPHA = -1.900    X/C = .500

DATA SET SYMBOL: [AF4107] [AF4107]   
 CONFIGURATION DESCRIPTION: IAGB (C1F1M2(1)+FILLET) - (C1F1) UPPER WING   
 IAGB (C1F1M2(1)+FILLET) - (C1F1) LOWER WING   
 BETA: .000   
 .000

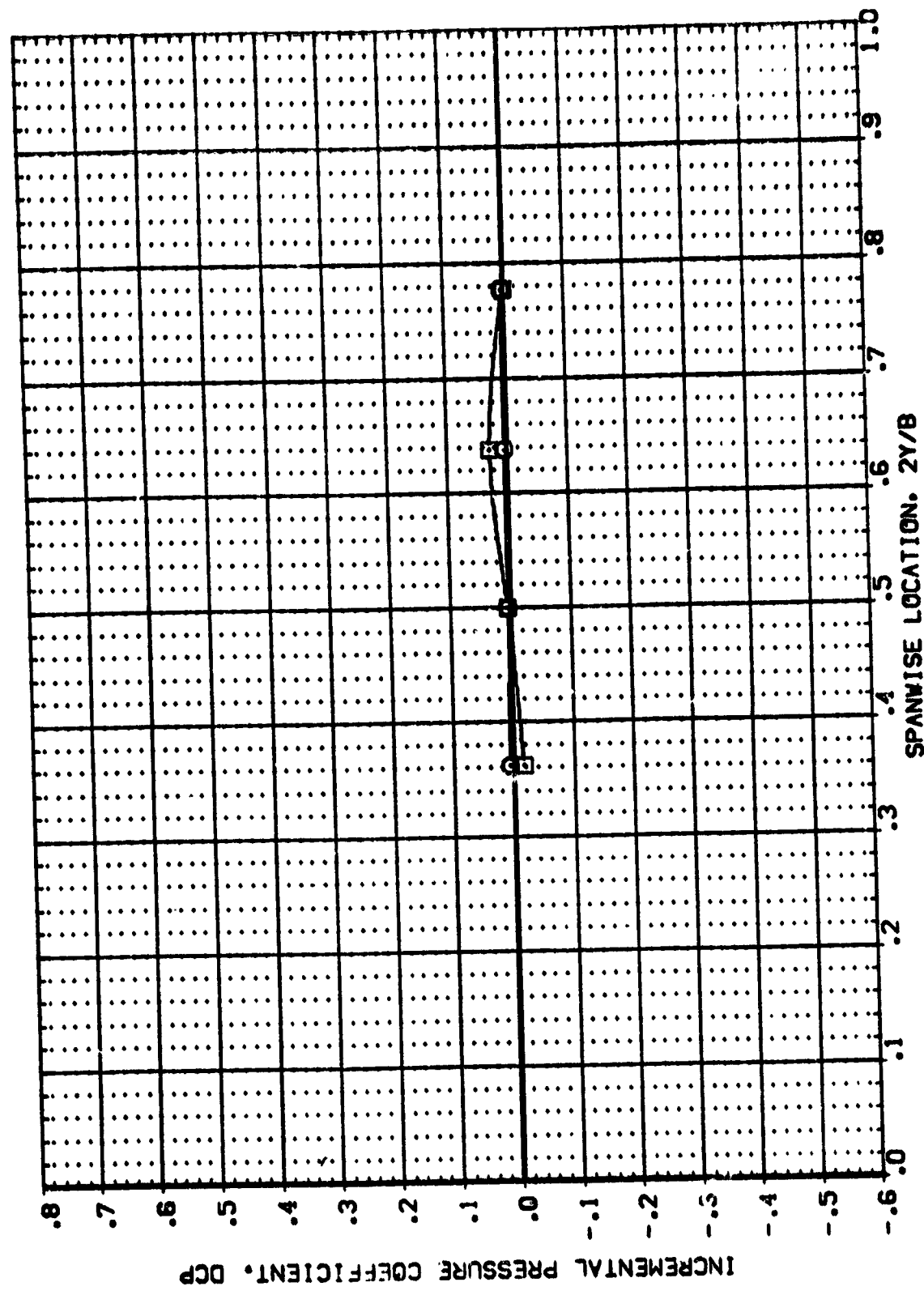


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

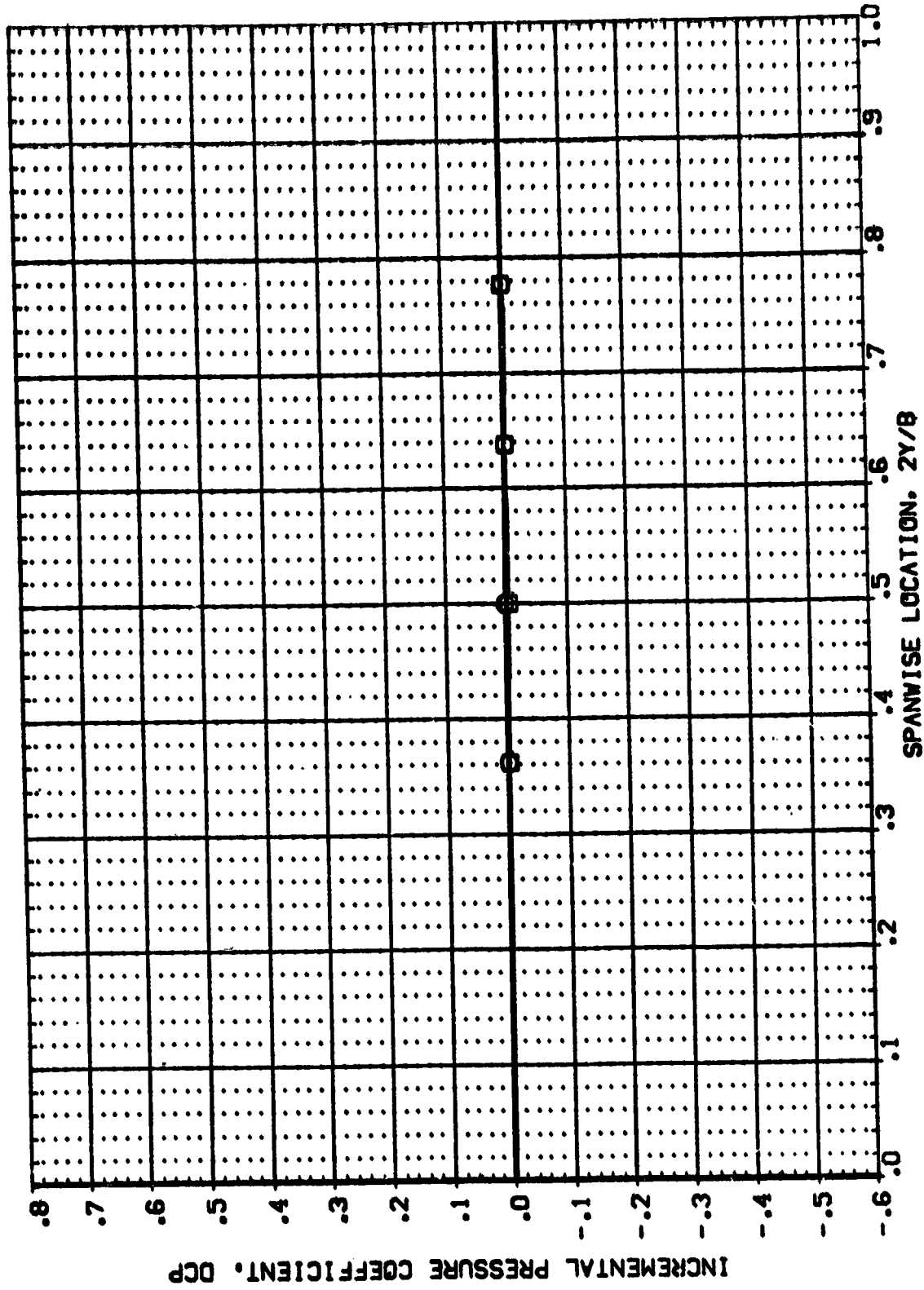
MACH = 1.991 ALPHA = .100 X/C = .500   
 SPANWISE LOCATION, ZY/B   
 PAGE 150





DATA SET SYMBOL: (AF4107) (AF4107)  
 CONFIGURATION DESCRIPTION: (C1F1) UPPER WING (C1F1) LOWER WING  
 1A68 (C1F1P211)\*FILLET) - (C1F1) LOWER WING  
 1A68 (C1F1P211)\*FILLET) - (C1F1) LOWER WING

BETA  
 .000  
 .000



SPANWISE LOCATION, ZY/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 2.120 X/C = .500

DATA SET SYMBOL: Q  
 CONFIGURATION DESCRIPTION: 1AG8 (C1F1M2{1})+FILLET - (C1F1) UPPER WING  
 1AG8 (C1F1M2{1})+FILLET - (C1F1) LOWER WING

BETA: .000  
 .000

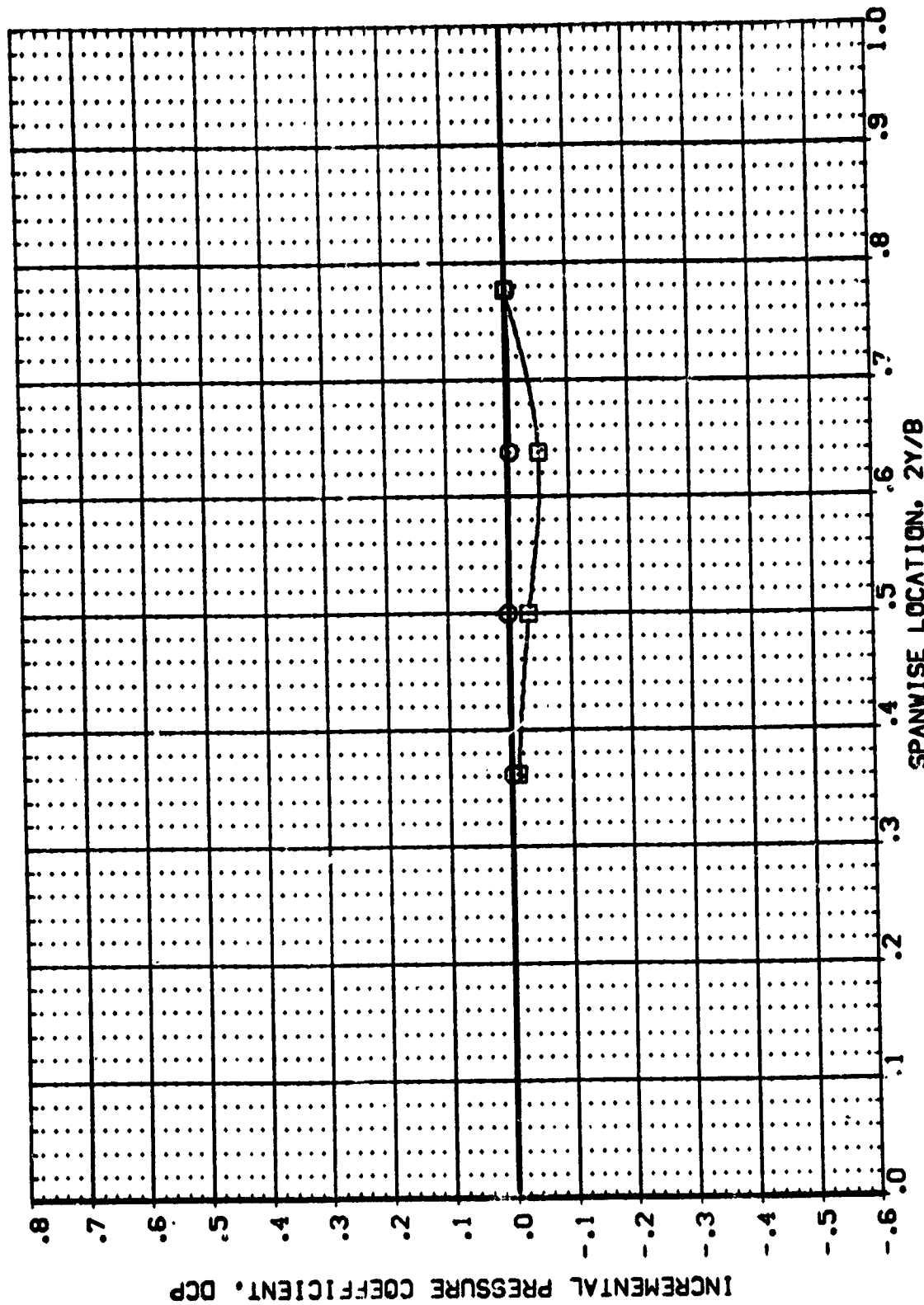


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 4.070 X/C = .500 SPANWISE LOCATION, 2Y/B PAGE :52



DATA SET SYMBL. CONFIGURATION DESCRIPTION

(AF4LOS) IASB ( C1F1M311)M4(11) } - (C1F1) UPPER WING  
(AF4LOS) IASB ( C1F1M311)M4(11) } - (C1F1) LOWER WING

BETA .000  
.000

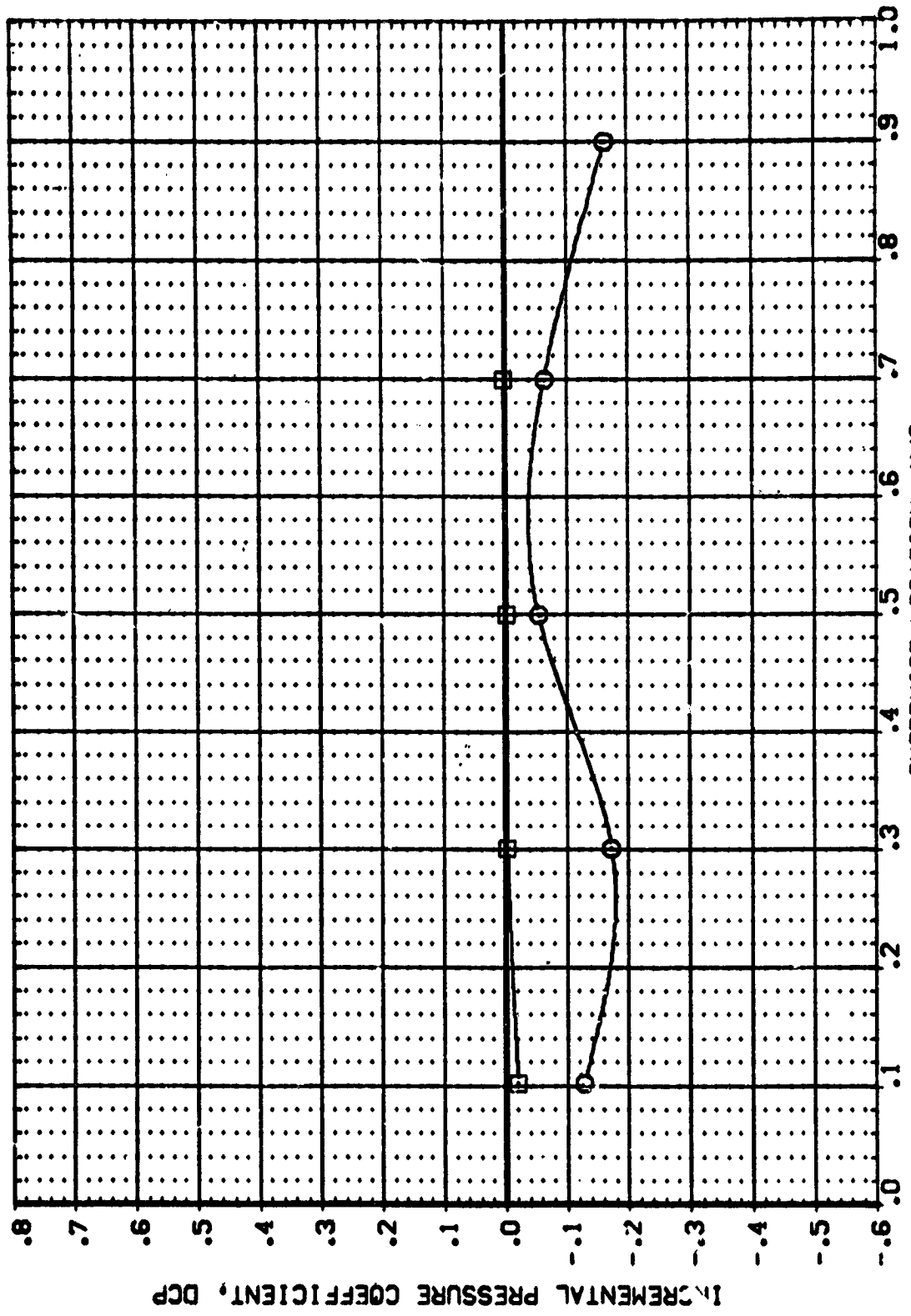


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -3.900 2Y/B = .500

DATA SET SYMBOL: (AF4J09) (AF4L09)   
 CONFIGURATION DESCRIPTION: 1A88 (C1F1M31)MA(1) } - (C1F1) UPPER WING   
 1A88 (C1F1M31)MA(1) } - (C1F1) LOWER WING

BETA: .000   
 .000

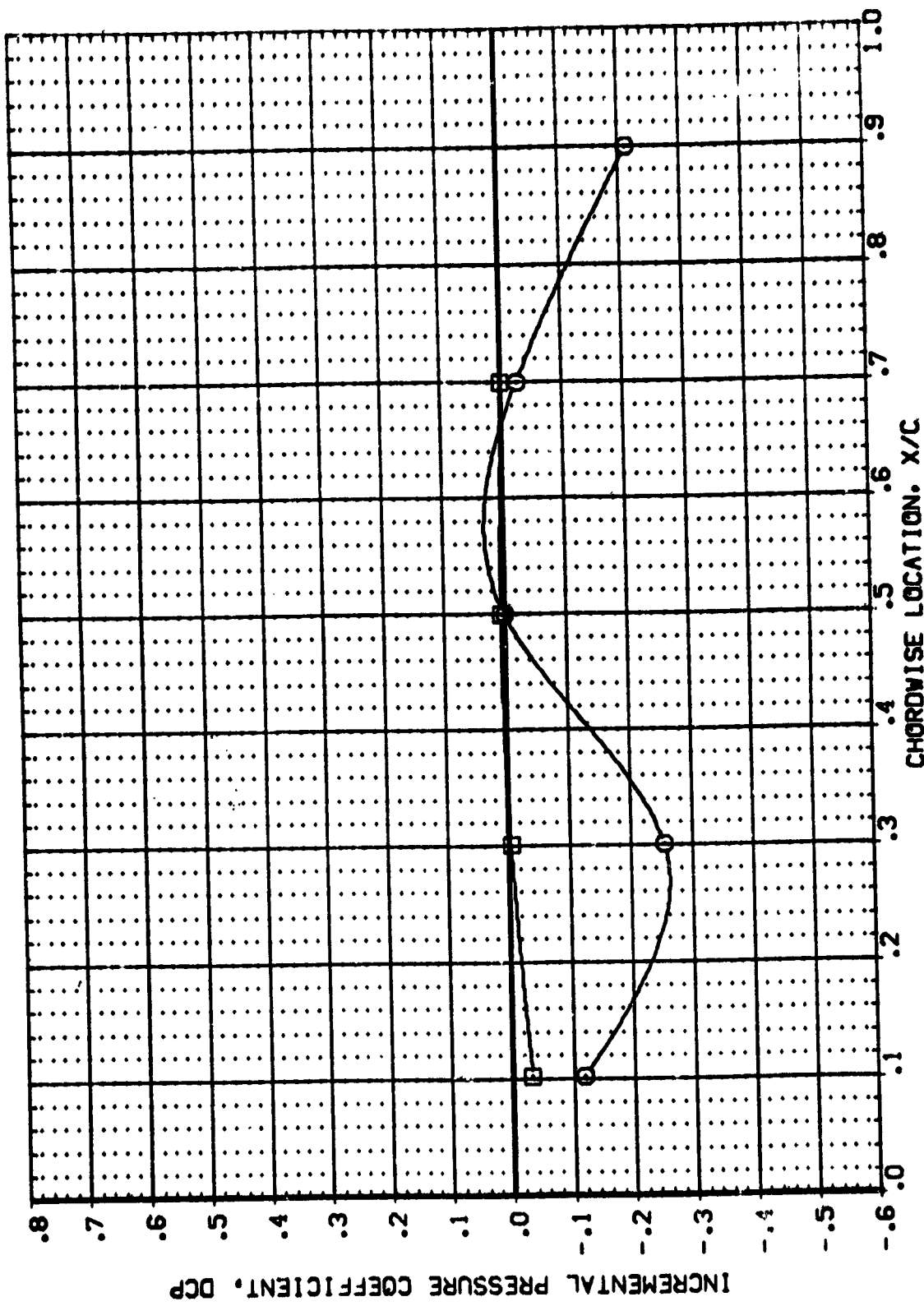


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -1.940 2Y/B = .500



DATA SET SYMBOL: [AFALOS] [AFALOS] CONFIGURATION DESCRIPTION: [AEB { CIPNG(1)M(1) } - (CIP1) UPPER WING] [AEB { CIPNG(1)M(1) } - (CIP1) LOWER WING]

BETA: .000  
.000

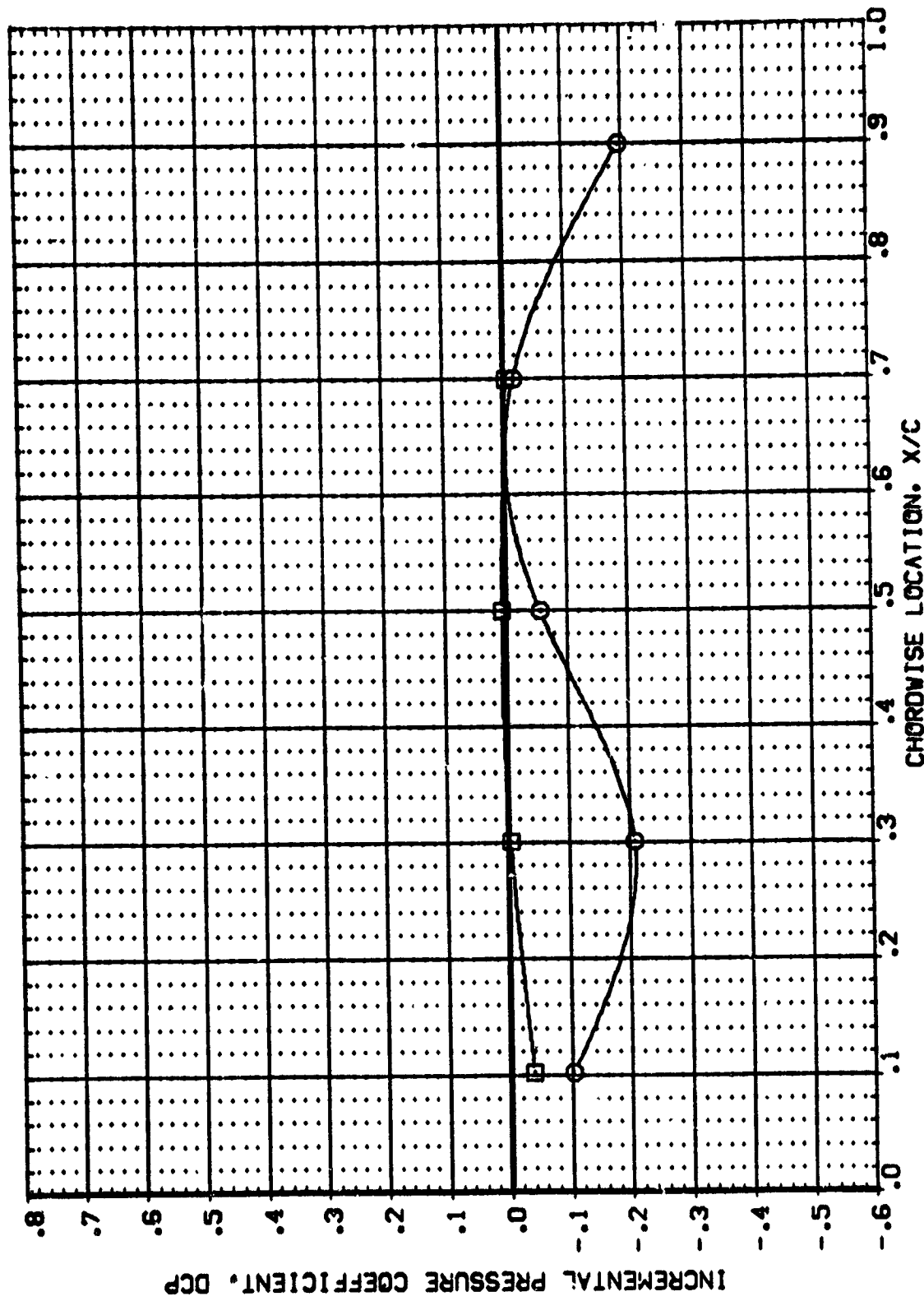


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = .000 2Y/B = .500

BETA  
.000  
.000

DATA SET SYMBOL: [AFALOS] [AFALOS]  
CONFIGURATION DESCRIPTION: [AGB { C1F1NG{1}M{1} } - {C1F1} UPPER WING] [AGB { C1F1NG{1}M{1} } - {C1F1} LOWER WING]

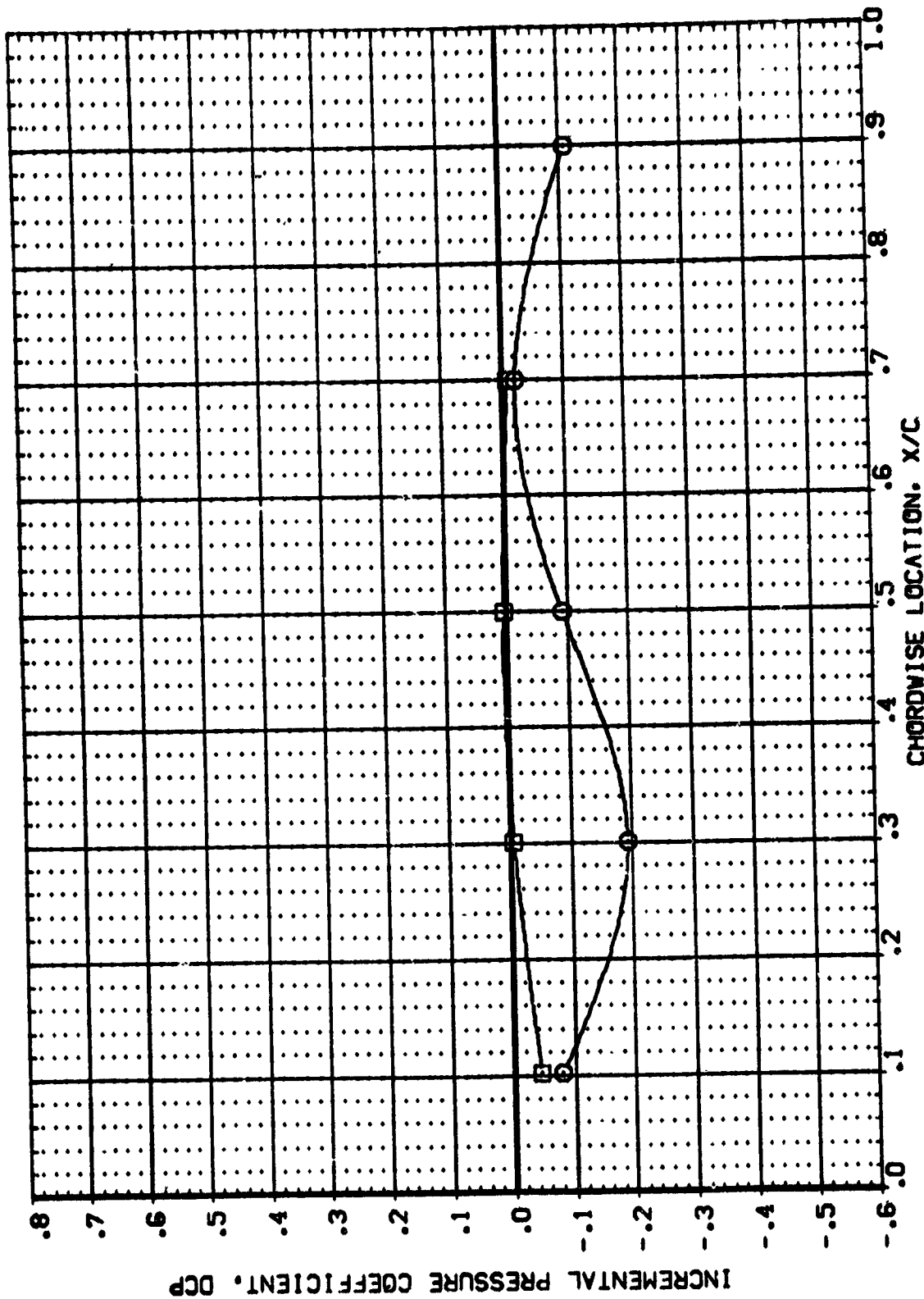


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = 1.910 2Y/B = .500

PAGE

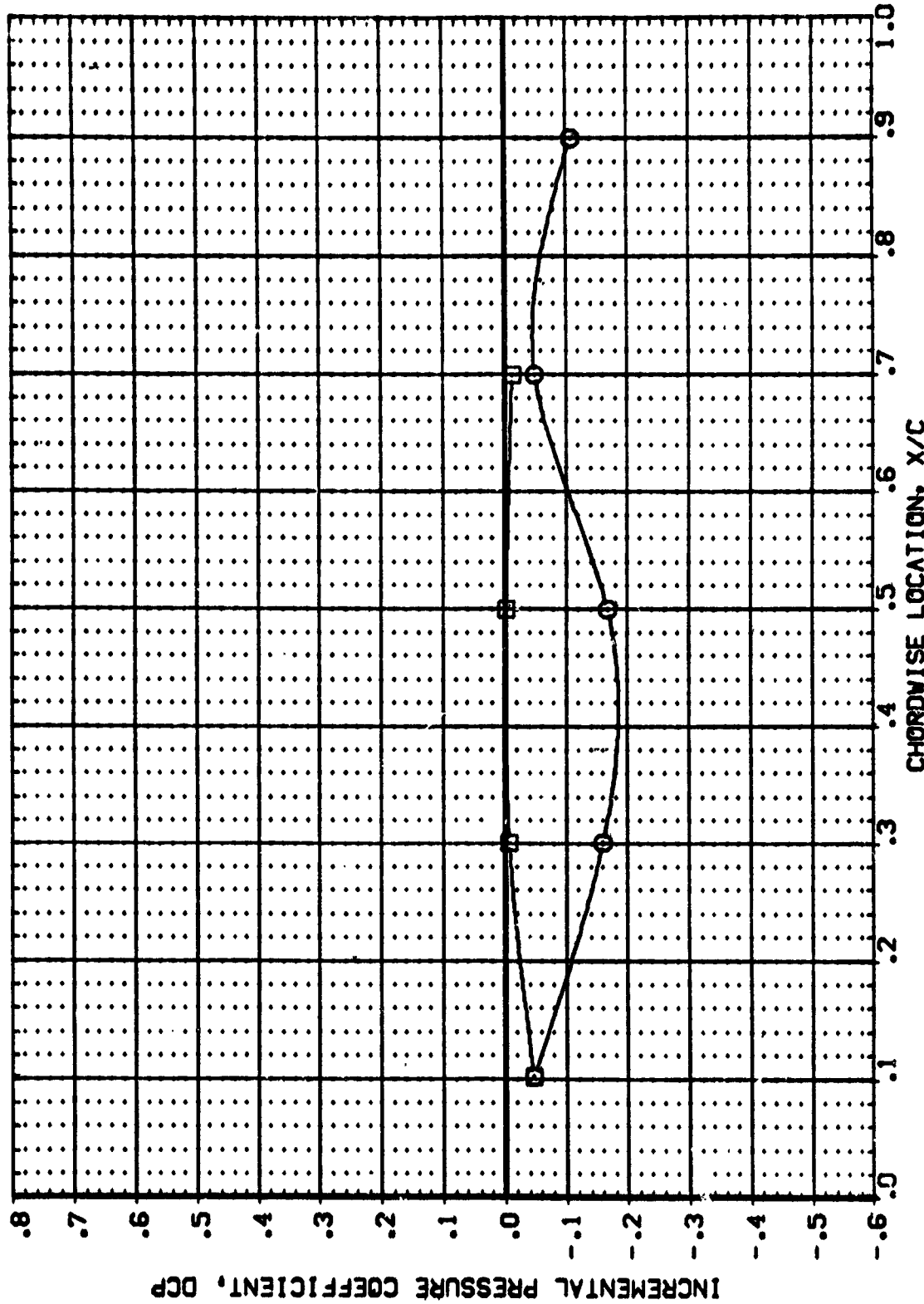
156



DATA SET SYMBOL. CONFIGURATION DESCRIPTION

(AF4LOS) [A88 ( C1F1P3(1)M(1) ) - (C1F1) UPPER WING  
 (AF4LOS) [A88 ( C1F1P3(1)M(1) ) - (C1F1) LOWER WING

BETA  
 .000  
 .000



CHORDWISE LOCATION, X/C

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = 3.840 2Y/B = .500



DATA SET SYMBOL: Q  
 [AFALOS] [AFALOS] [AFALOS]  
 CONFIGURATION DESCRIPTION: 1AG8 { C1F1G(1)M(1) } - (C1F1) US: SR WING  
 1AG8 { C1F1G(1)M(1) } - (C1F1) LOWER WING

BETA: .000  
 .000

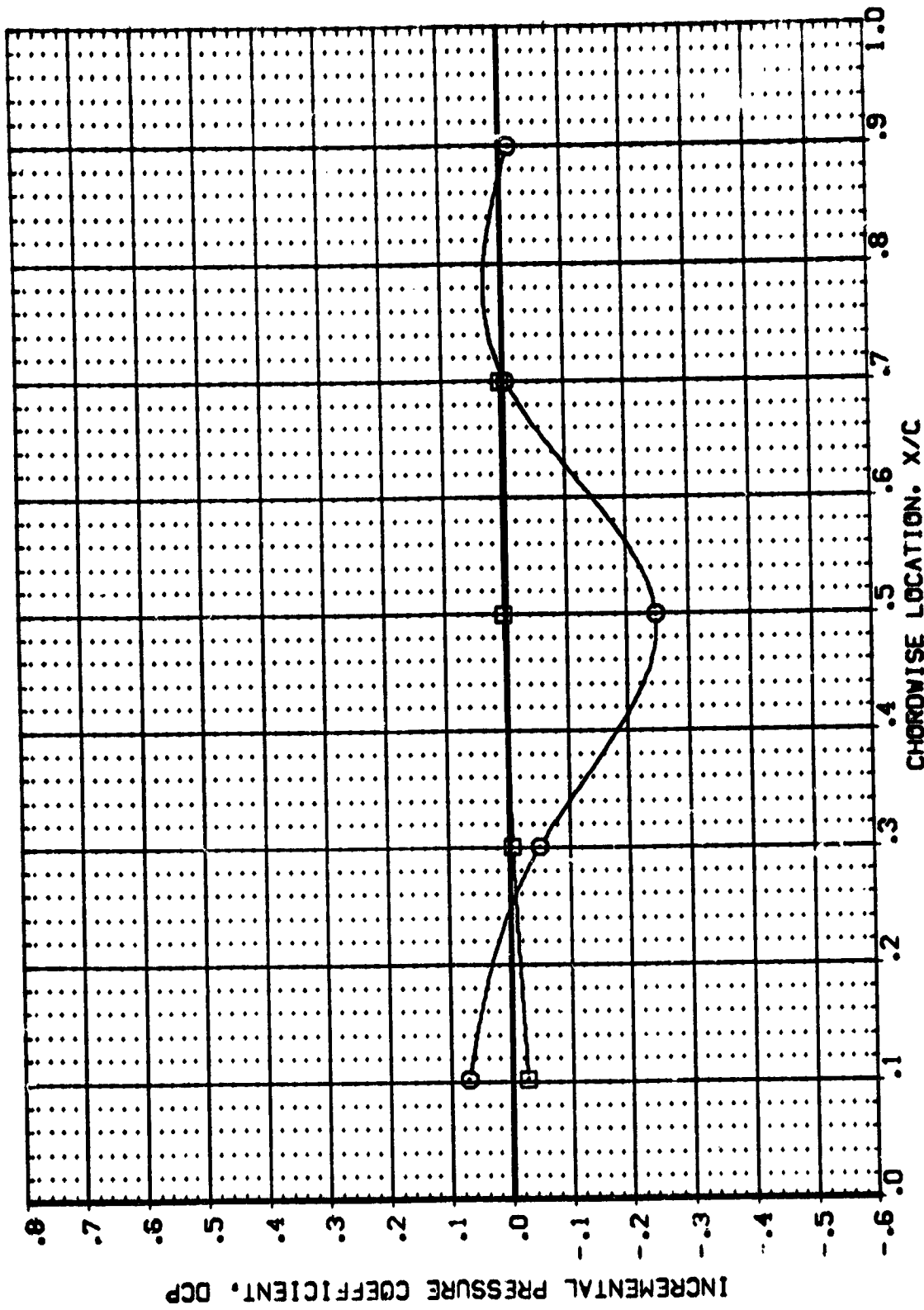


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.209 ALPHA = -3.940 2Y/B = .500





DATA SET SYMBOL CONFIGURATION DESCRIPTION BETA  
 {AFALOS} □ 1A88 {C1F1P3(1)M1(1)} - (C1F1) UPPER WING .000  
 {AFALOS} □ 1A88 {C1F1P3(1)M1(1)} - (C1F1) LOWER WING .000

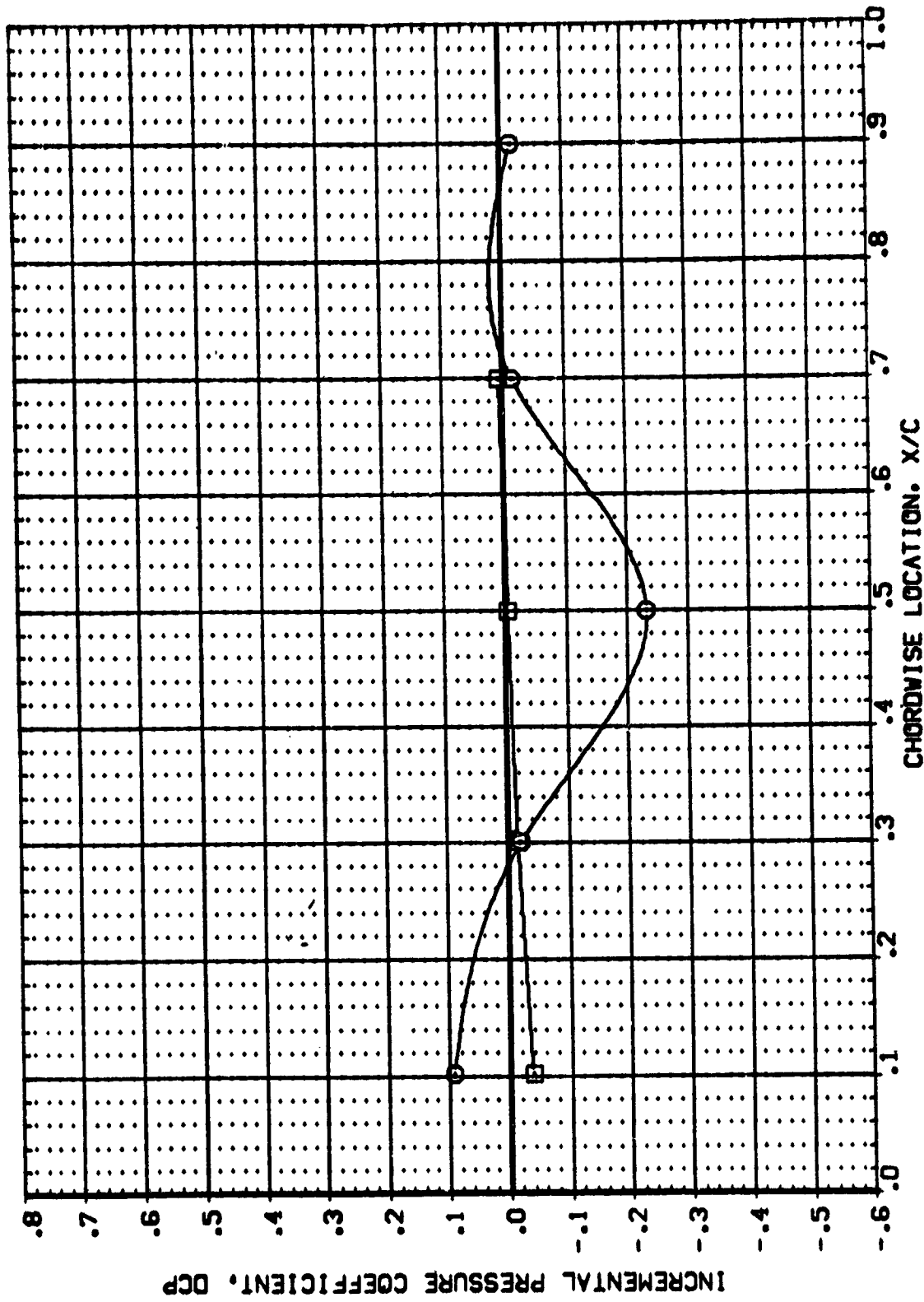


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACR = 1.209 ALPHA = -1.960 2Y/B = .500



DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **(C1F1) UPPER WING**  
**(AF109) (C1F1M3(1)M4(1)) - (C1F1) LOWER WING**  
**(AF109) (C1F1M3(1)M4(1)) - (C1F1) LOWER WING**  
 BETA: **.000**  
**.000**

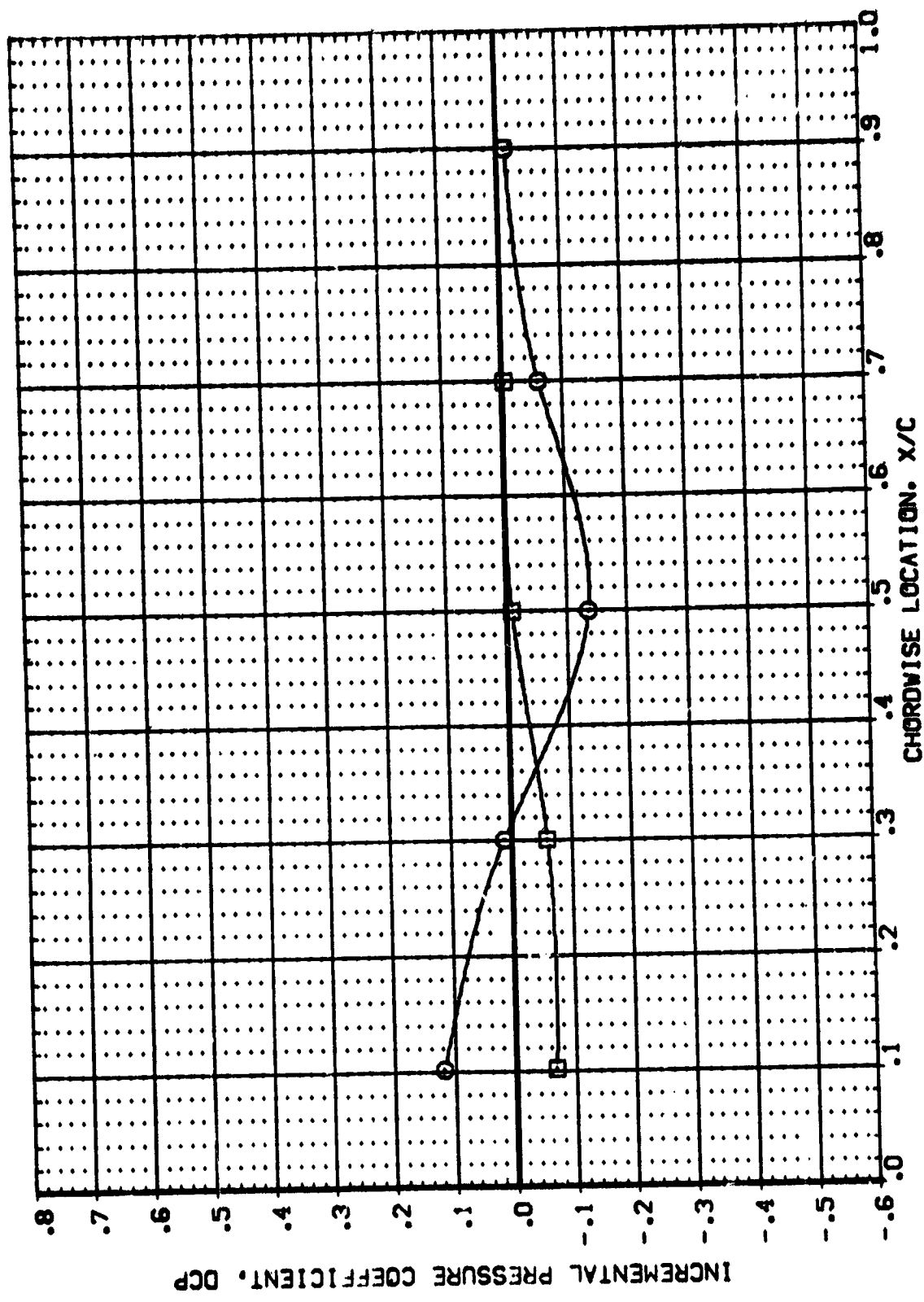


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.209 ALPHA = -0.030 ZY/B = .500 PAGE 160



DATA SET SYMB. CONFIGURATION DESCRIPTION BETA  
 (AF4UD9) 9 IASB ( CIP:PGI)JMA(1) } - (CIP) UPPER WING .000  
 (AF4UD9) IASB ( CIP:PGI)JMA(1) } - (CIP) LOWER WING .000

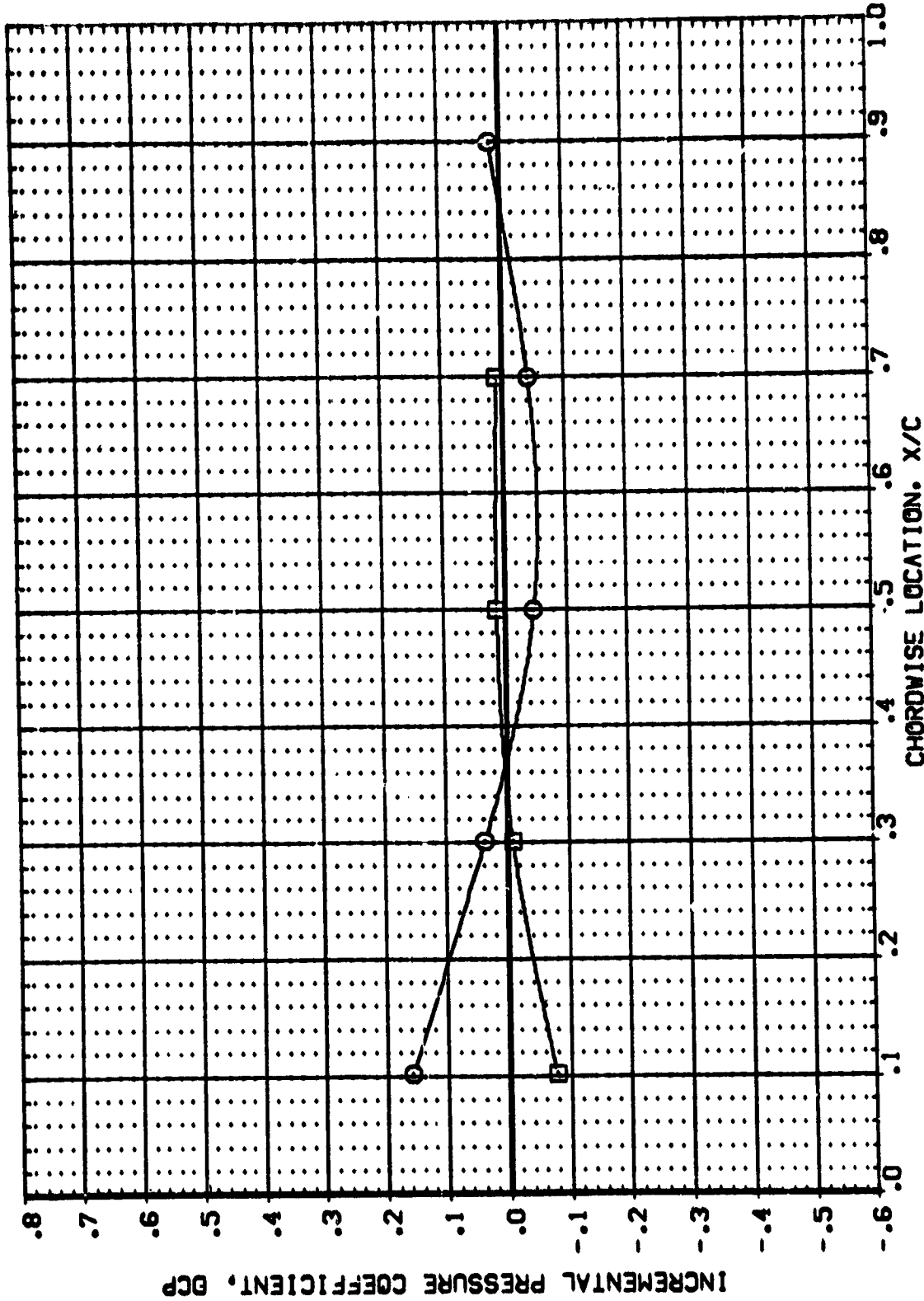


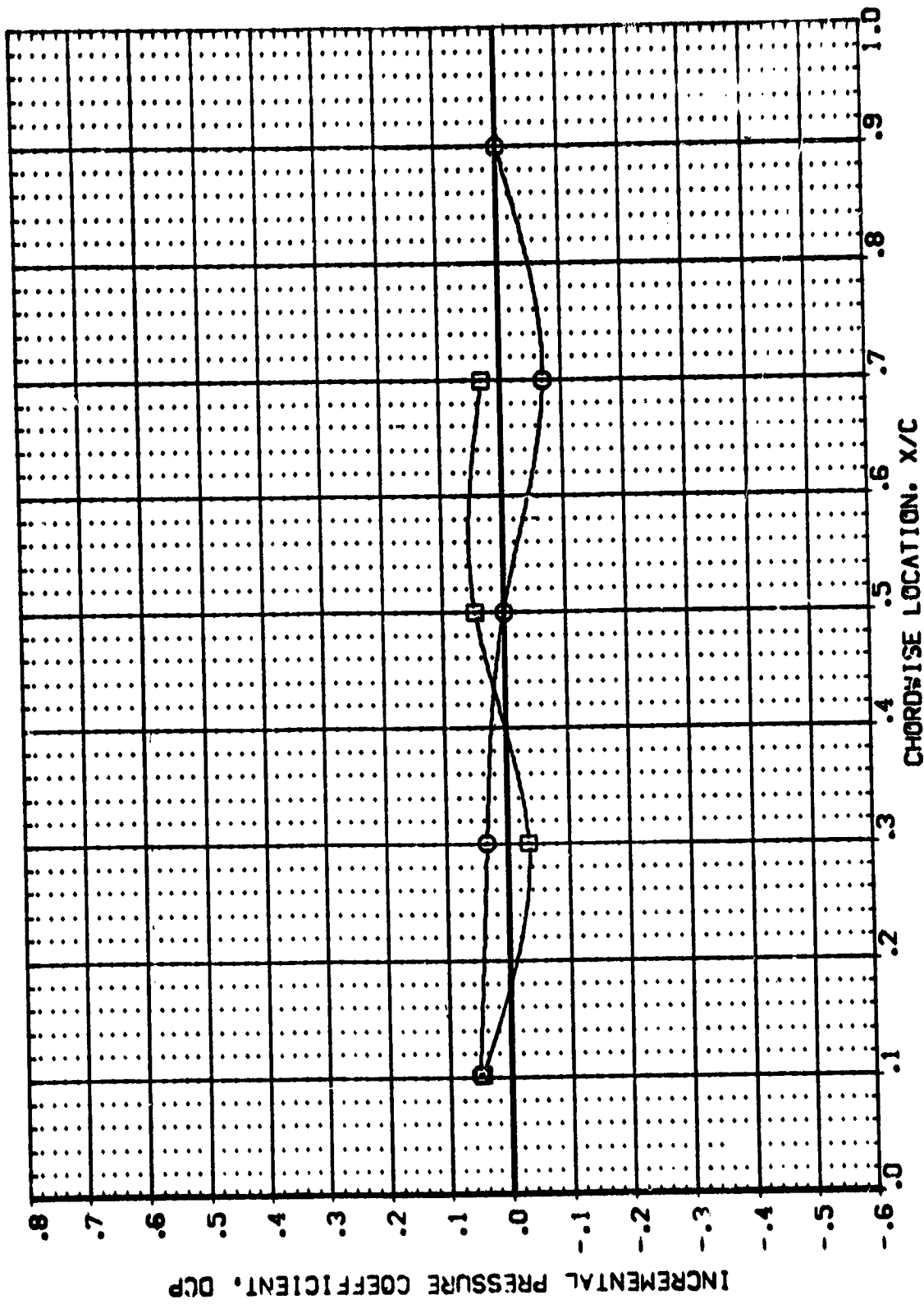
FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.209 ALPHA = 3.880 2Y/B = .500

DATA SET SYMBOL: **B** CONFIGURATION DESCRIPTION: (C1F1) UPPER WING (C1F1) LOWER WING  
 :AF4L09) :AB8 (C1F1G1)M1(1) } - (C1F1) LOWER WING  
 :AF4L09) :AB8 (C1F1G1)M1(1) } - (C1F1) UPPER WING

BETA

.000  
 .000



CHORDWISE LOCATION, X/C

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MAC = 1.503 ALPHA = -3.890 2Y/B = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (AF4LOB) 9 IAGB ( C1F1P311)PM(1) } - (C1F1) UPPER WING  
 (AF4LOB) 9 IAGB ( C1F1P311)PM(1) } - (C1F1) LOWER WING

BETA .000  
 .000

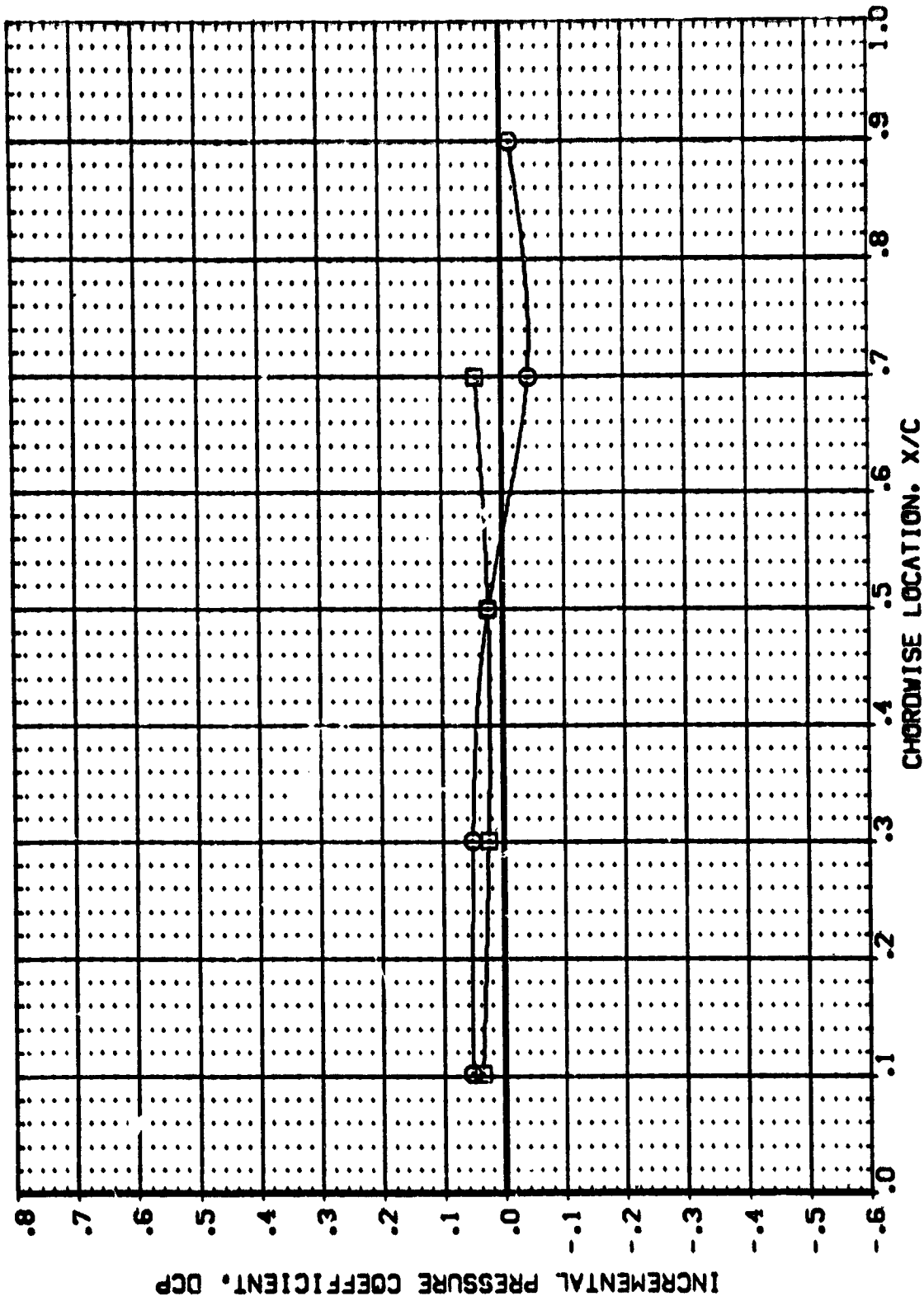


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -1.820 2Y/B = .500

DATA SET SYMBOL:  IASB { CIFIPO(I)M(I) } - (CIFI) UPPER WING BETA .000  
 IASB { CIFIPO(I)M(I) } - (CIFI) LOWER WING .000

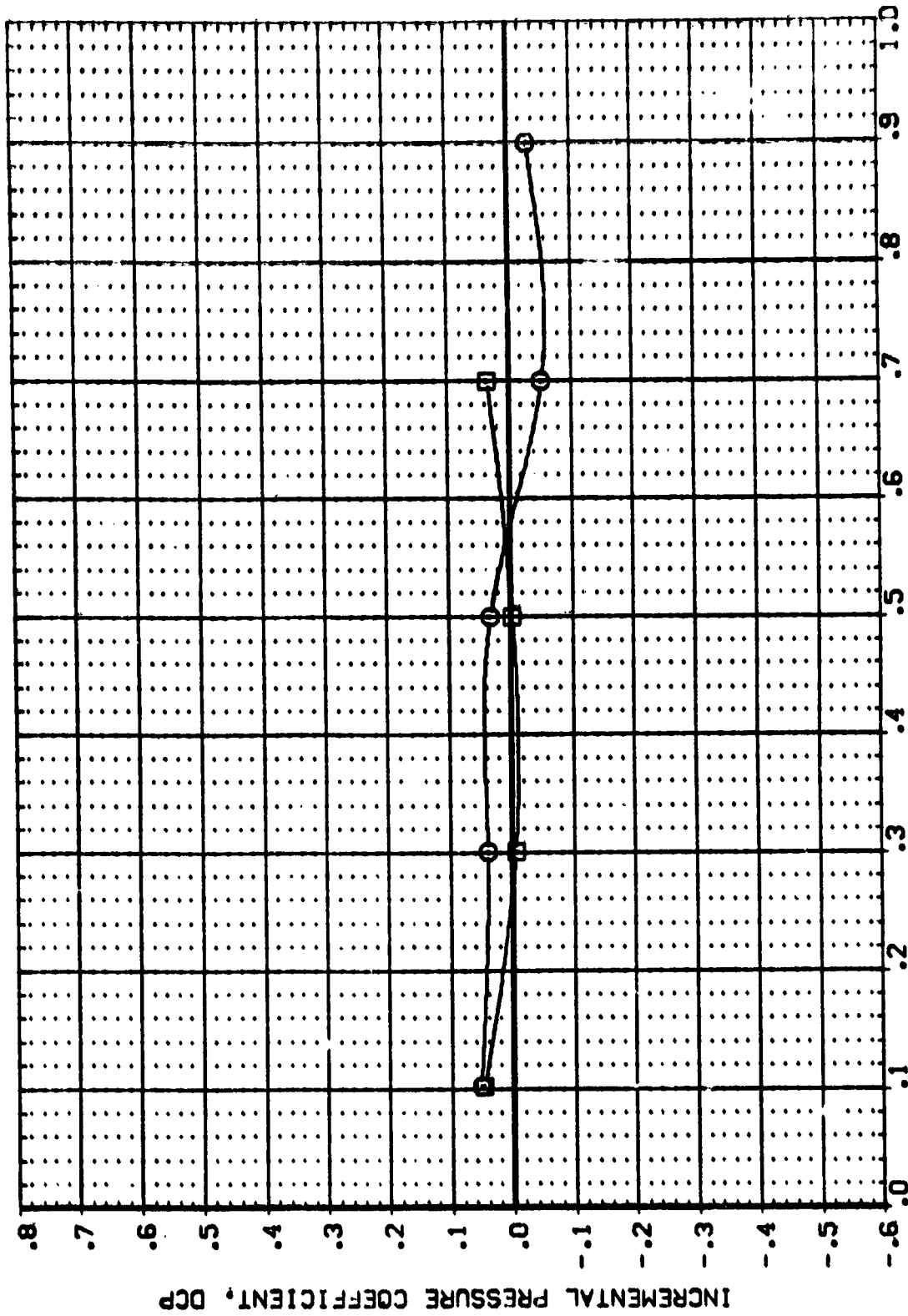


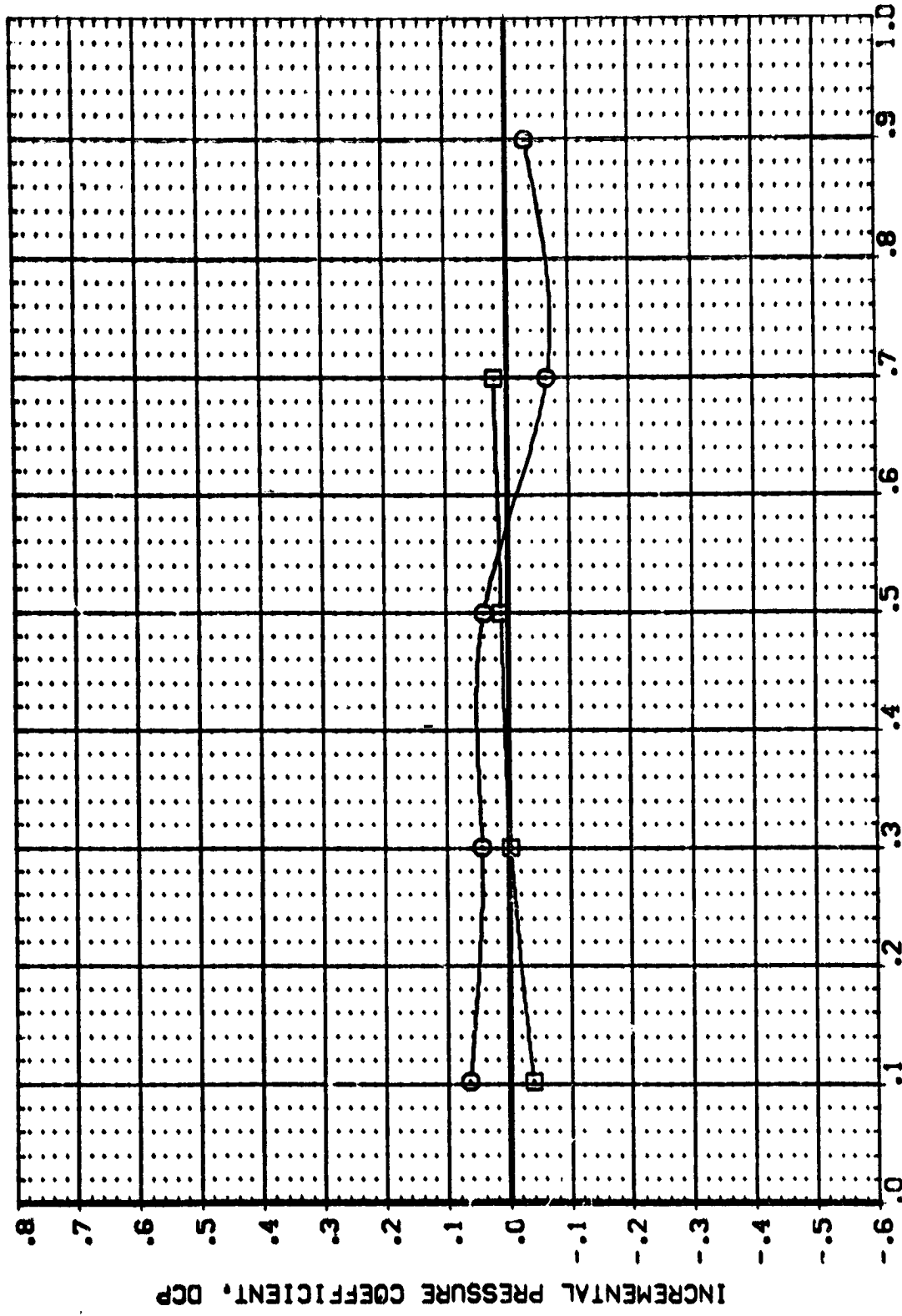
FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = .120 2Y/B = .500 PAGE : 64



DATA SET SYMBOL: 9  
 (AF4LOS) IAB8 { C1F1NG(1)M(1) } - (C1F1) UPPER WING  
 (AF4LOS) IAB8 { C1F1G(1)M(1) } - (C1F1) LOWER WING

BETA .000  
 .000



CHORDWISE LOCATION, X/C

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 2.120 2Y/B = .500

DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 {AF4LOS} 9 1A88 { C1F1M3(1)M4(1) } - {C1F1} UPPER WING .000  
 {AF4LOS} 1A88 { C1F1M3(1)M4(1) } - {C1F1} LOWER WING .000

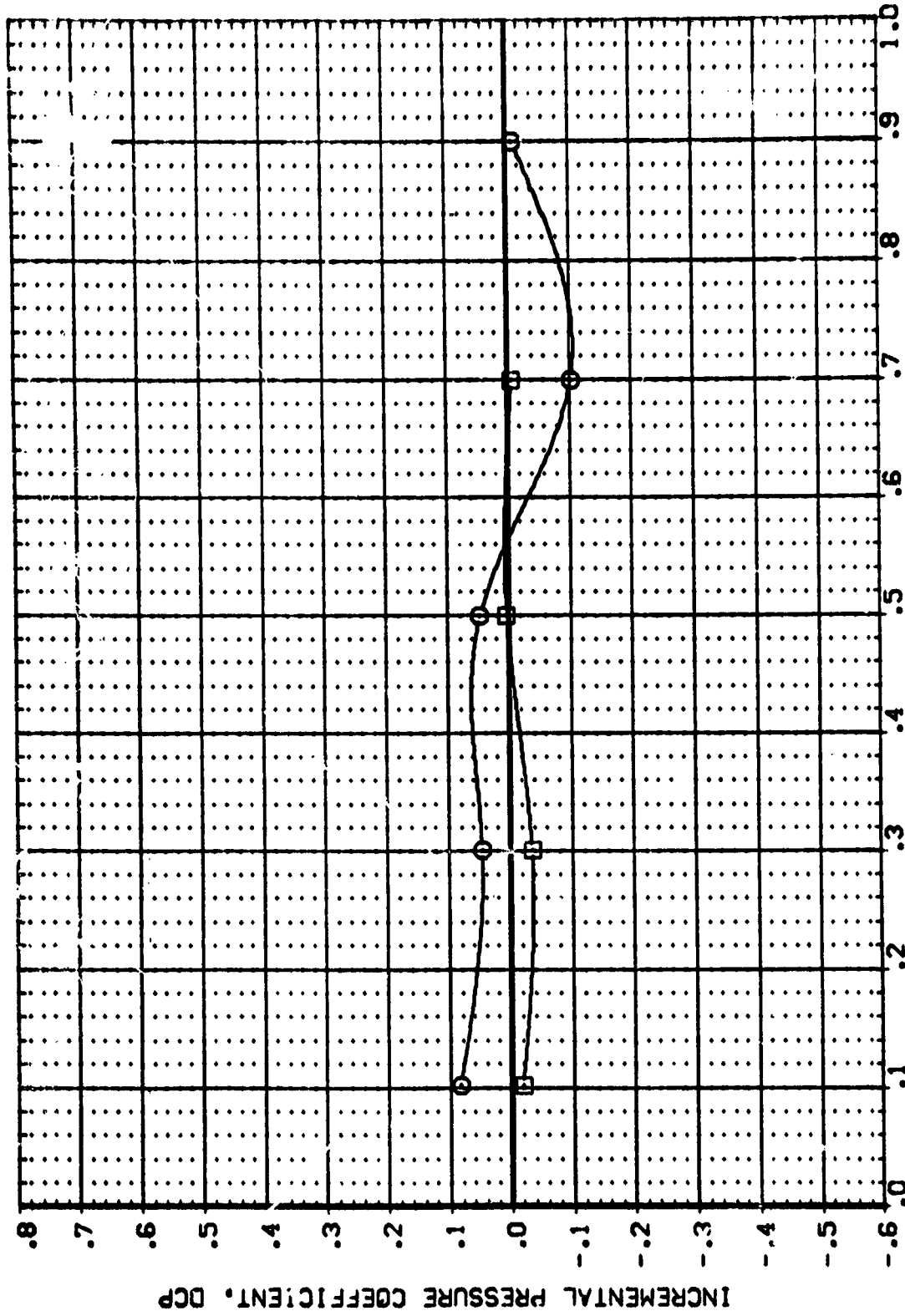


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 4.030 ZY/B = .500 PAGE 166

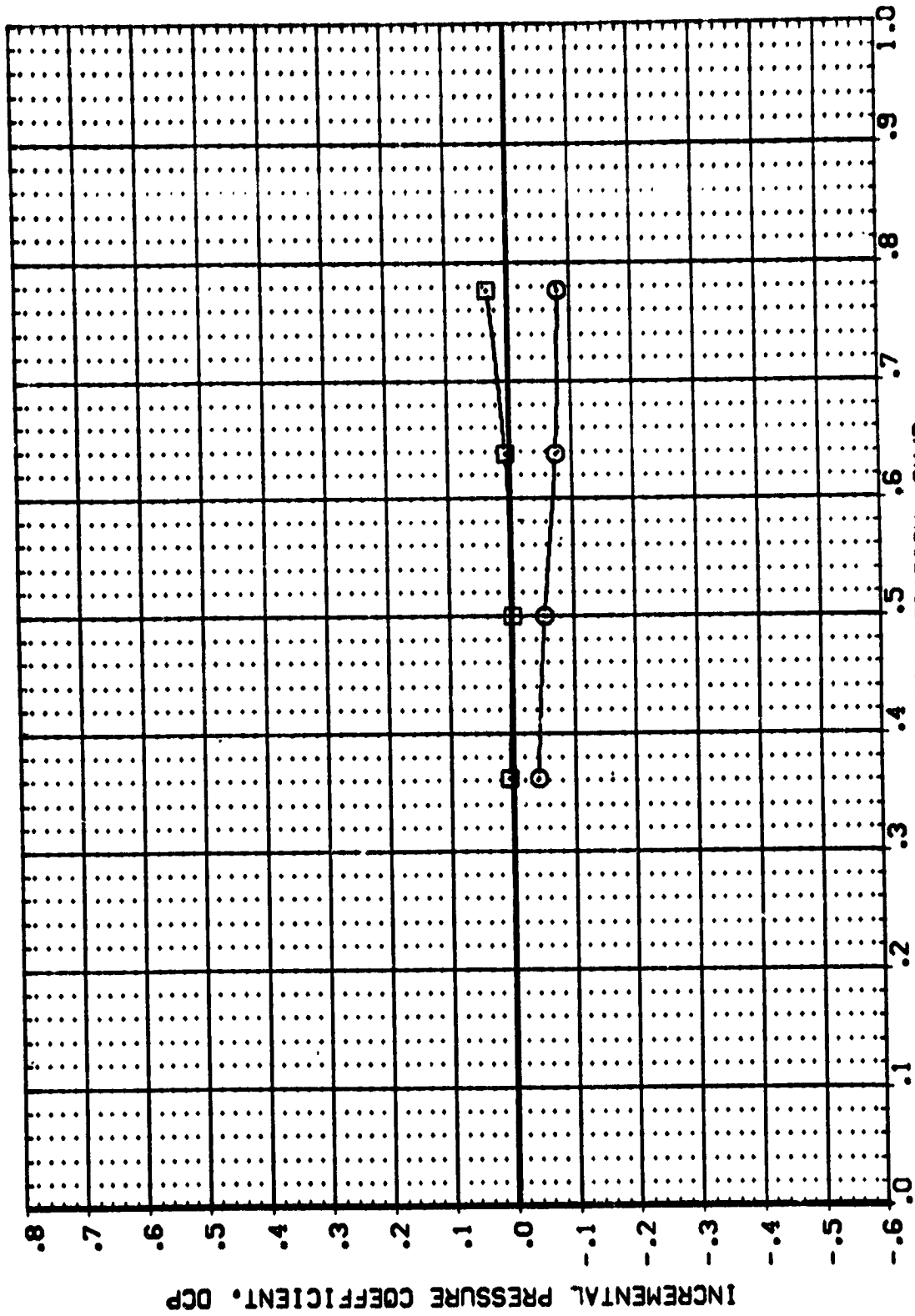


4-2



DATA SET SYMBOL:  Q  
 CONFIGURATION DESCRIPTION: IAGB ( C1F1G1 ) JM ( 1 ) } - ( C1F1 ) UPPER WING  
 IAGB ( C1F1G1 ) JM ( 1 ) } - ( C1F1 ) LOWER WING

BETA  
 .000  
 .000



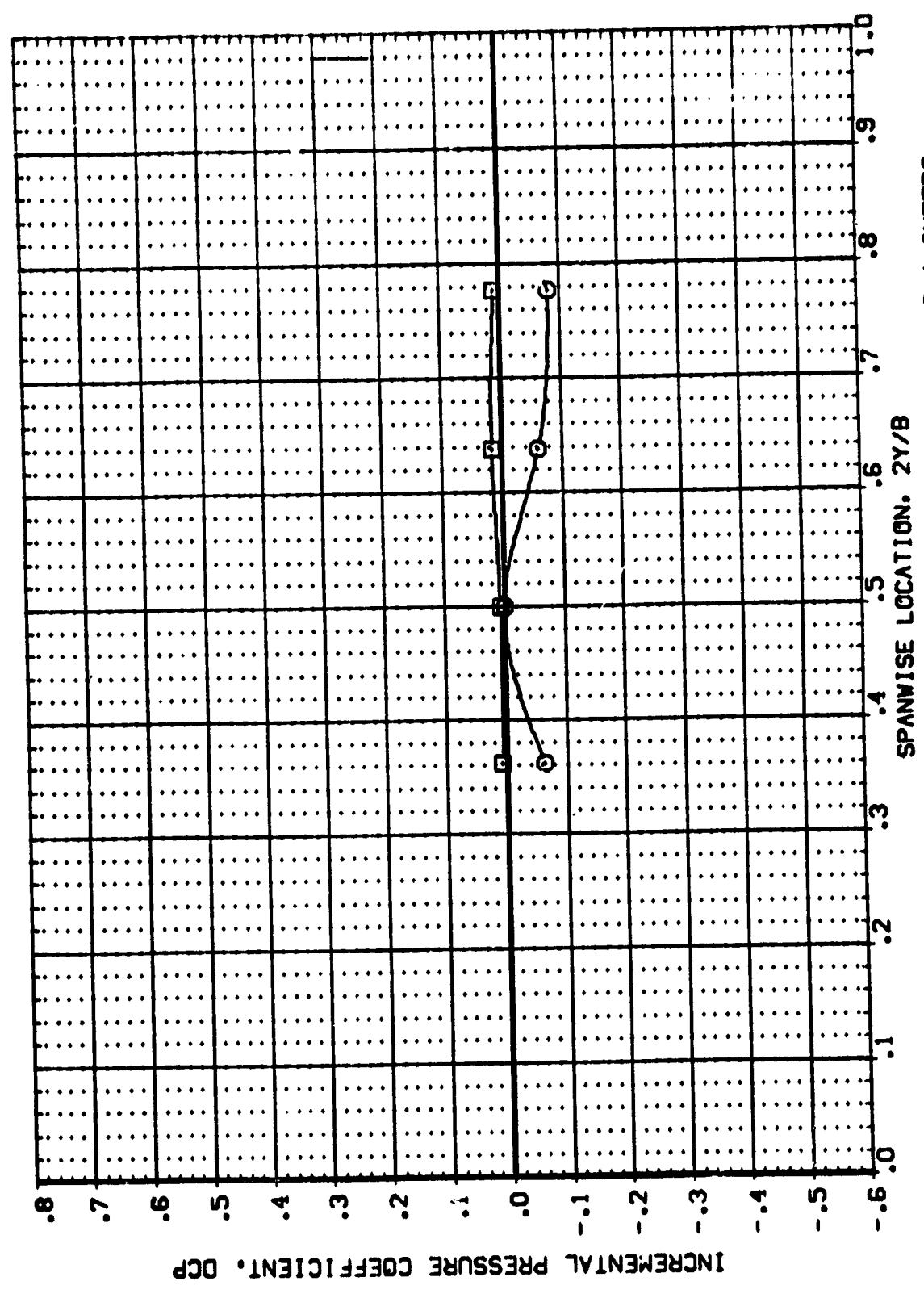
SPANWISE LOCATION, ZY/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -3.900 X/C = .500

DATA SET SYMBOL:  $\square$  CONFIGURATION DESCRIPTION: { AF4LOS } { AF4LOS }  
 { AF4LOS } { AF4LOS }  
 1A68 { C1F1M3(1)M4(1) } - { C1F1 } UPPER WING  
 1A68 { C1F1M3(1)M4(1) } - { C1F1 } LOWER WING

BETA  
 .000  
 .000



SPANWISE LOCATION, ZY/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -1.940 X/C = .500 PAGE 168



DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (AF4LOS) [ASB ( C1FING(1)M(1) ) - (C1F1) UPPER WING  
 (AF4LOS) [ASB ( C1FING(1)M(1) ) - (C1F1) LOWER WING

BETA  
 .000  
 .000

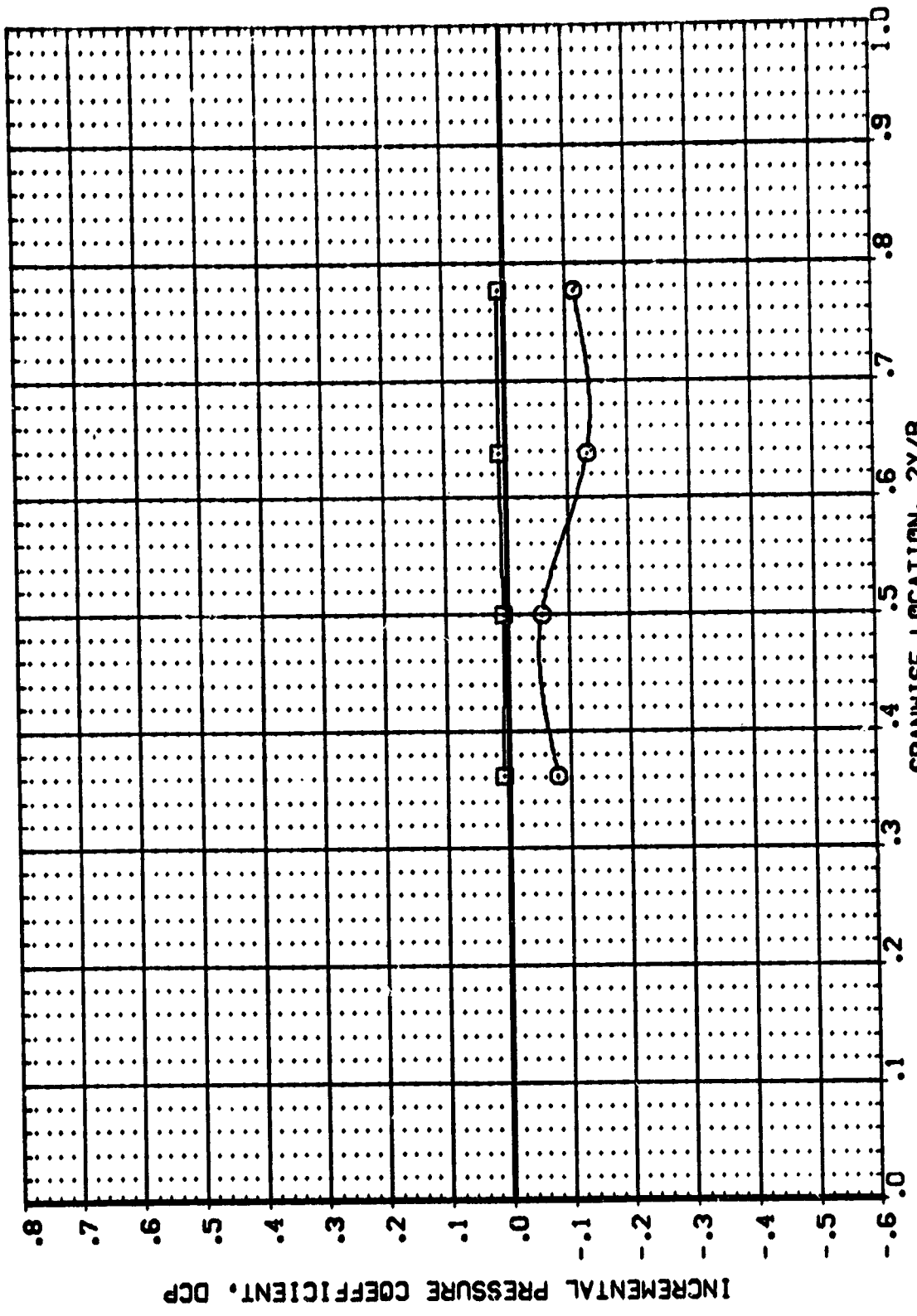
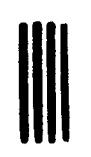


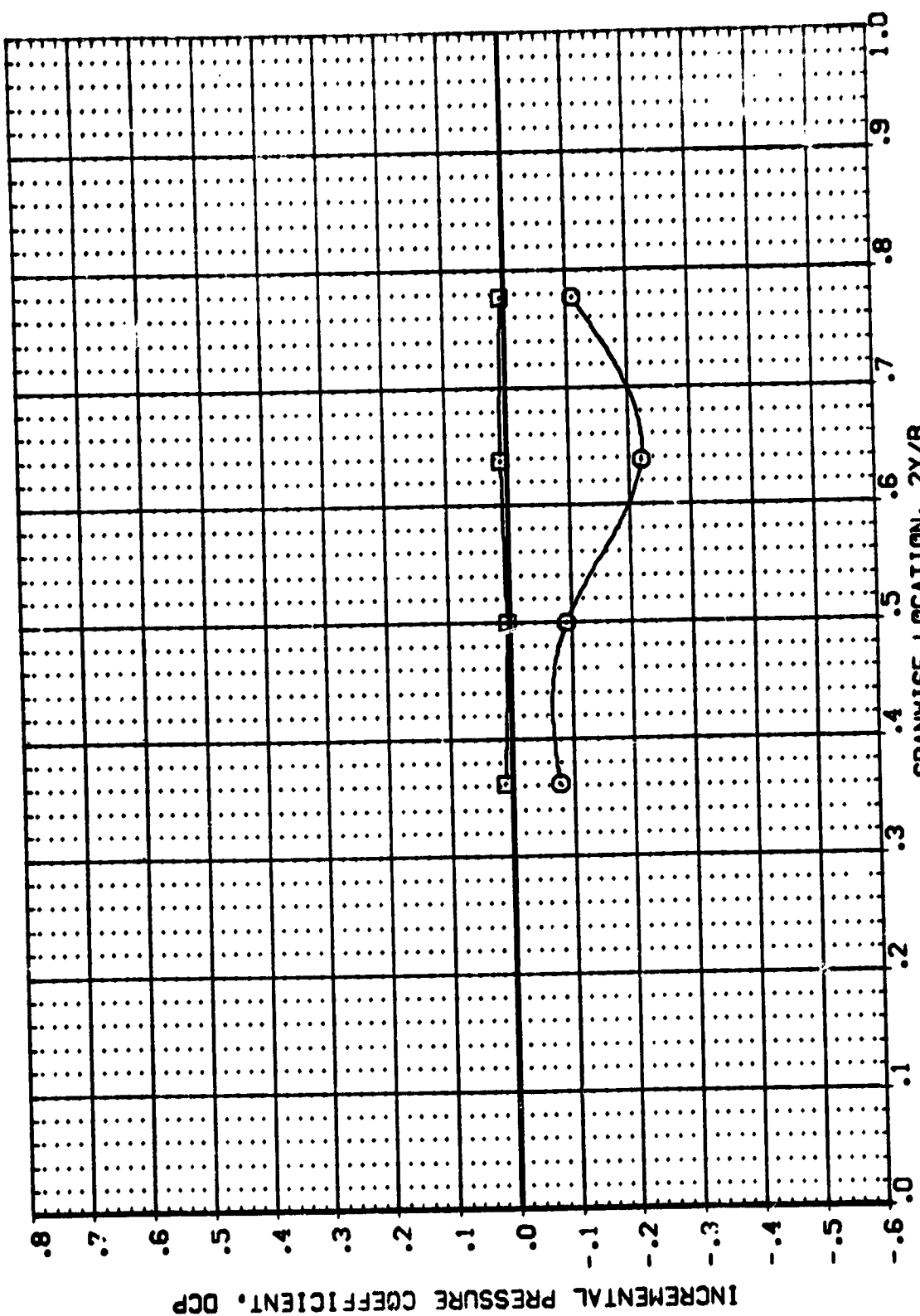
FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = .000 X/C = .500



DATA SET SYMBOL: B CONFIGURATION DESCRIPTION: IASB { C1F1M3(1)M1(1) } - (C1F1) UPPER WING  
 IASB { C1F1M3(1)M1(1) } - (C1F1) LOWER WING

BETA  
 :000  
 :000



SPANWISE LOCATION, 2Y/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = 1.910 X/C = .500 PAGE 170



DATA SET SYMBOL: [AF4LOS] [AF4LOS]    CONFIGURATION DESCRIPTION: [ASB (C1F1G1)PM(1)] - [C1F1] UPPER WING    BETA: .000  
 [AF4LOS] [ASB (C1F1G1)PM(1)] - [C1F1] LOWER WING    .000

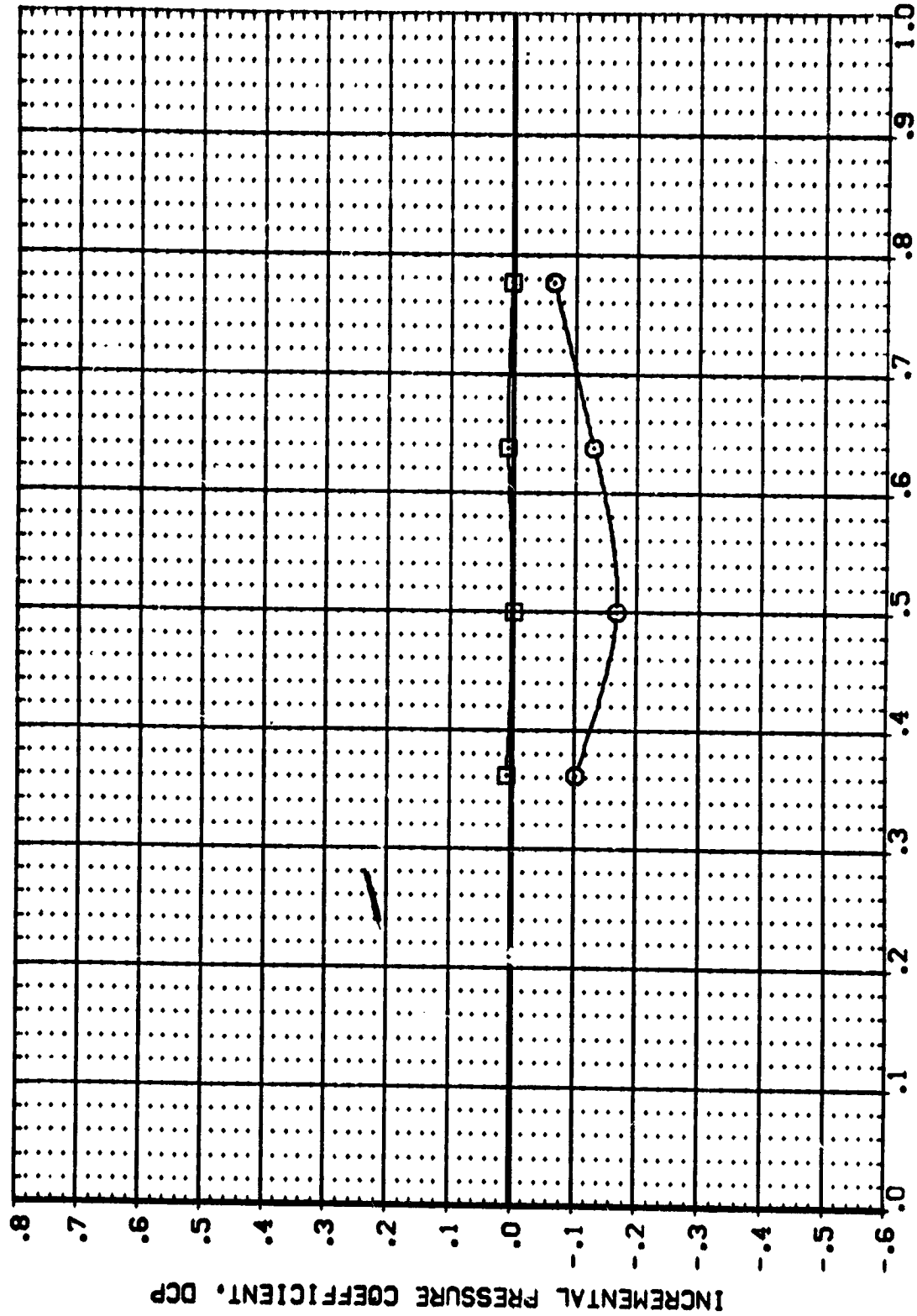
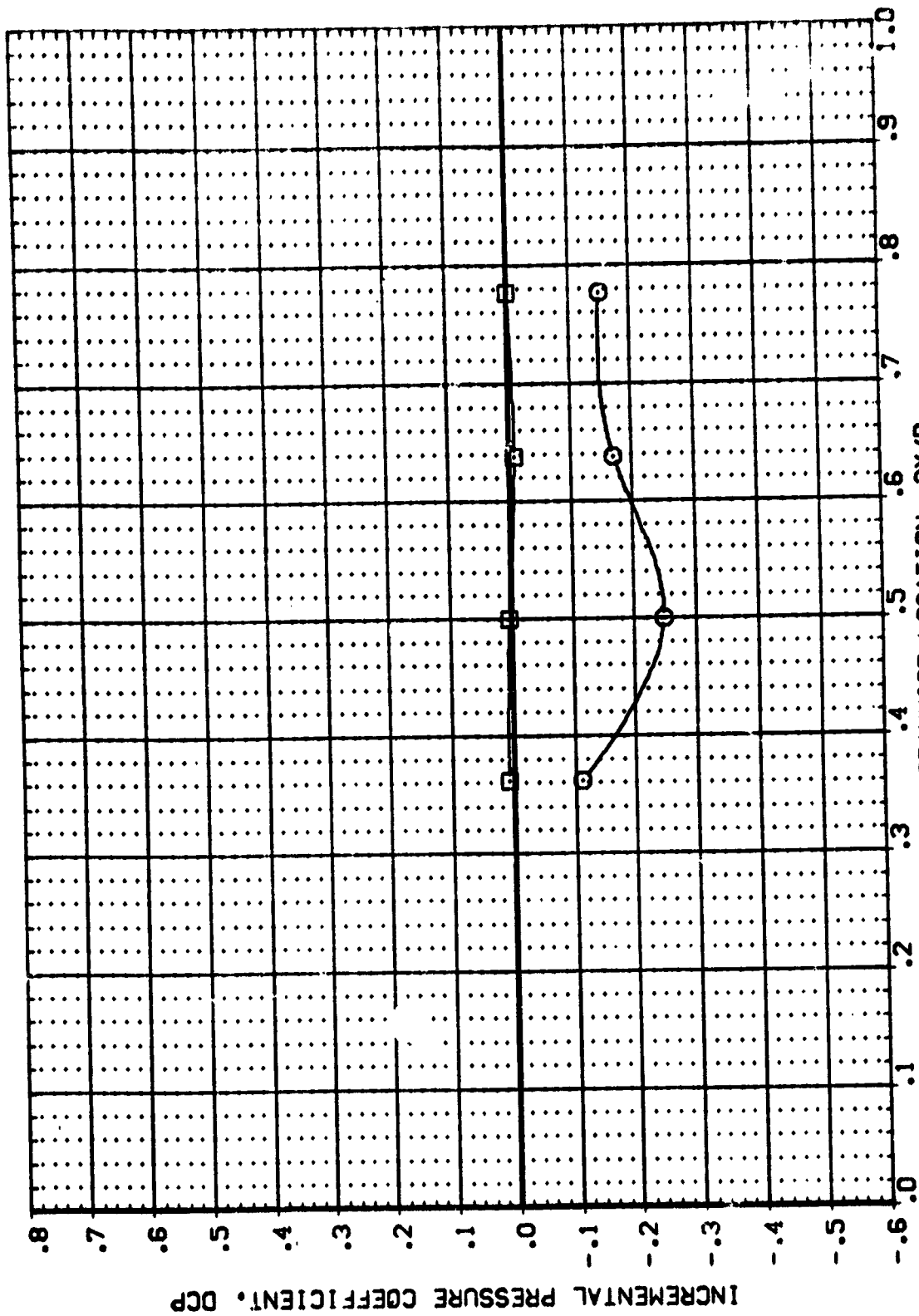


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS  
 MACH = .896    ALPHA = 3.840    X/C = .500    SPANWISE LOCATION, 2Y/B    PAGE 17:

BETA  
.000

DATA SET SYMBOL: 1A68 { C1F1M3(1)M4(1) } - (C1F1) UPPER WING  
1A68 { C1F1M3(1)M4(1) } - (C1F1) LOWER WING



SPANWISE LOCATION, 2Y/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.209 ALPHA = -3.940 X/C = .500

PAGE :72



BETA  
.000  
.000

DATA SET SYMBOL: [AF4UD9] [AF4LDS] [AF4UD9] [AF4LDS]  
CONFIGURATION DESCRIPTION: IASB ( C1F1G(1)M4(1) ) - [C1F1] UPPER WING  
IASB ( C1F1G(1)M4(1) ) - [C1F1] LOWER WING

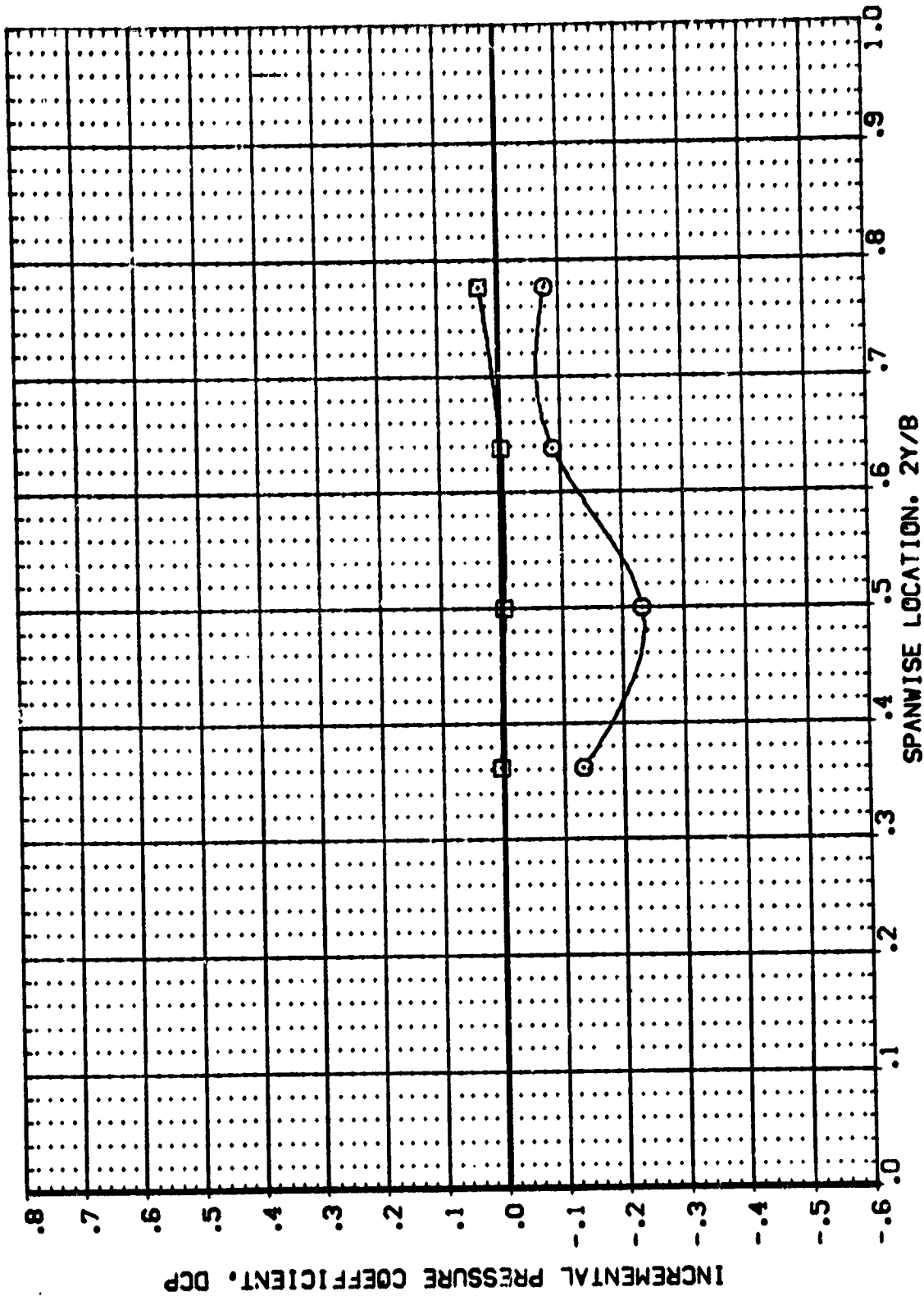


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.209 ALPHA = -1.960 X/C = .500

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATA SET SYMB. CONFIGURATION DESCRIPTION BETA  
 (AF4L09) 1A68 (C1F1M31)M4(1) } - (C1F1) UPPER WING .000  
 (AF4L05) 1A68 (C1F1M31)M4(1) } - (C1F1) LOWER WING .030

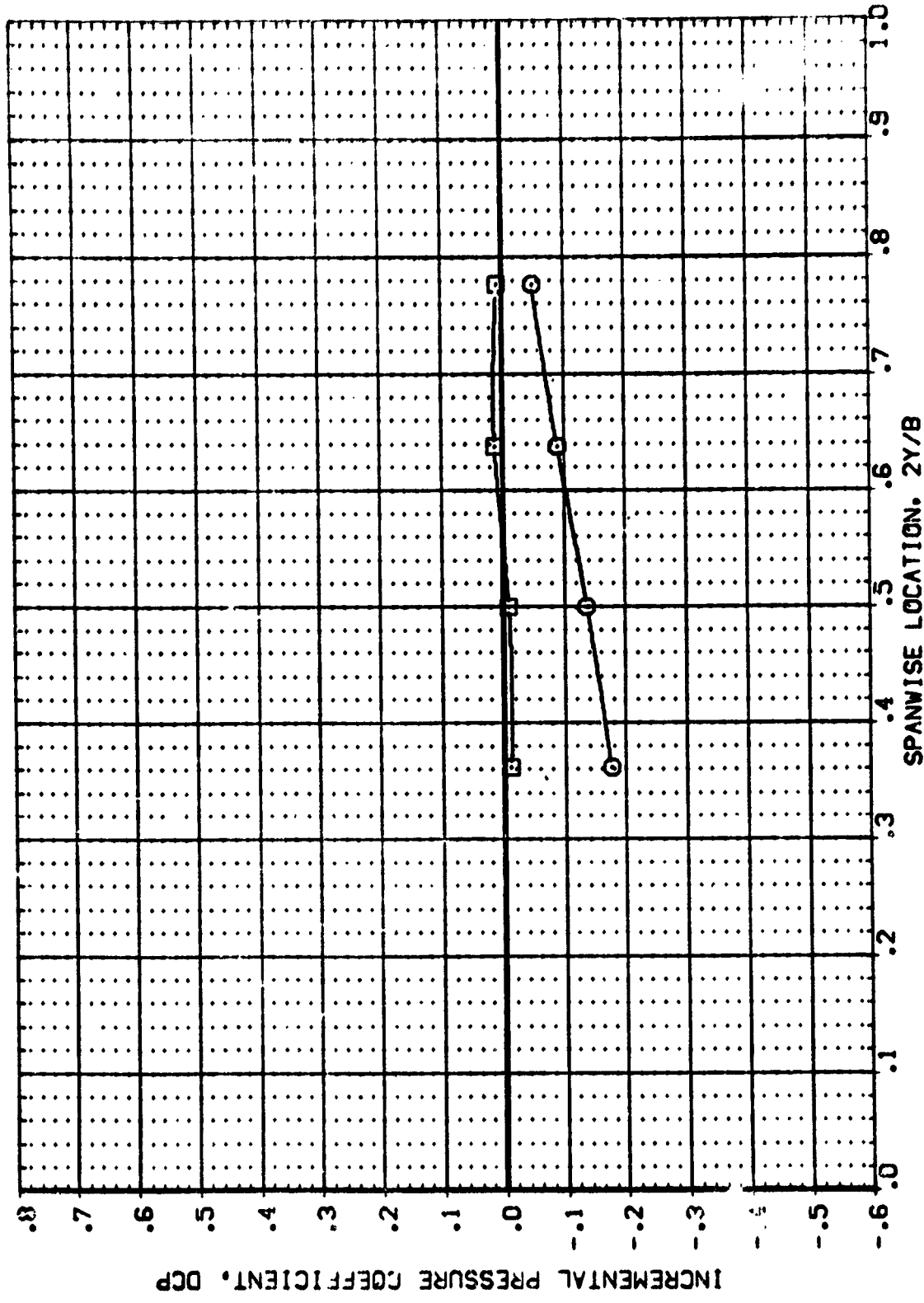


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.209 ALPHA = -0.030 X/C = .500

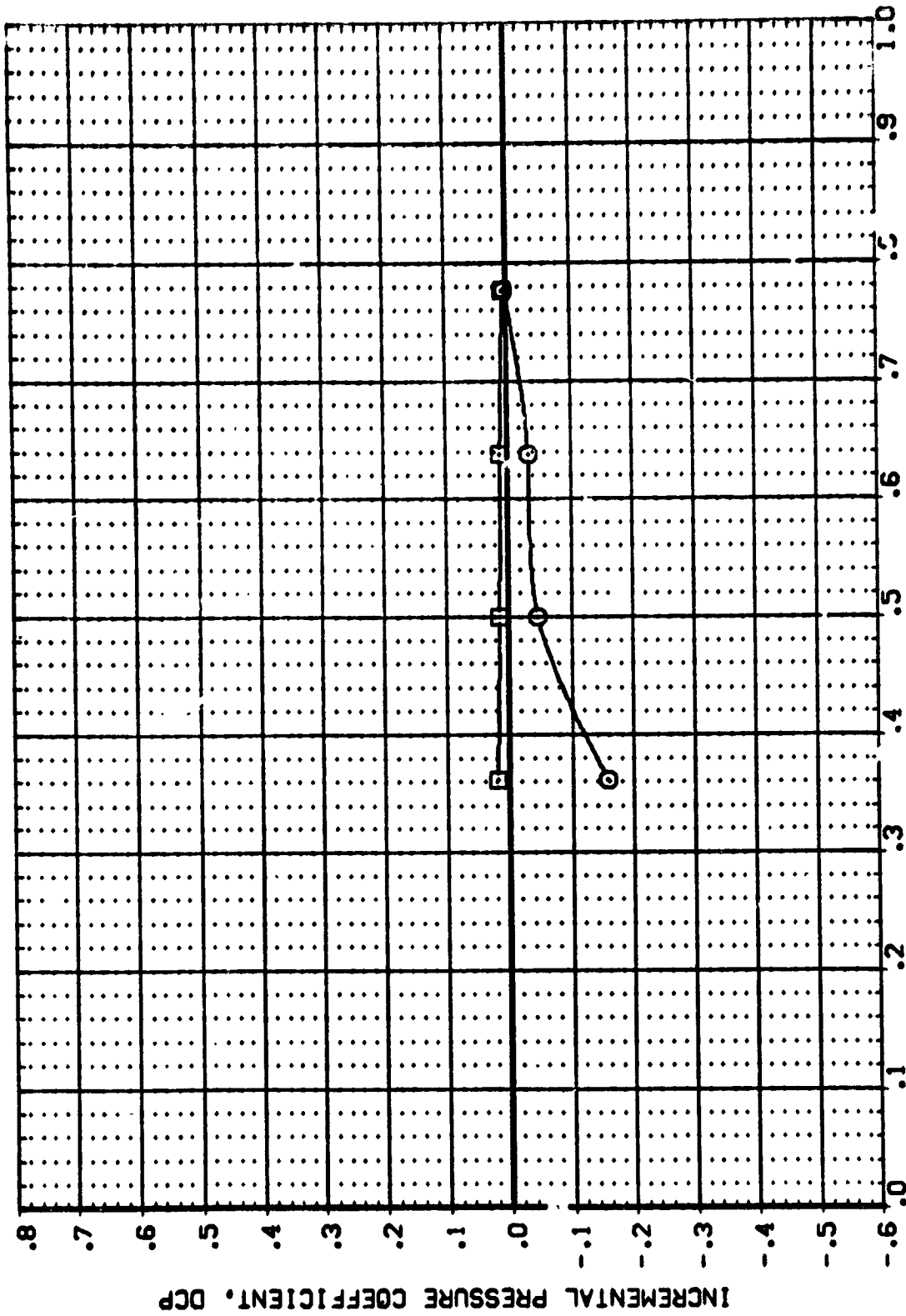
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DATA SET SYMBOL: [ ] CONFIGURATION DESCRIPTION: [ ] - (C1F1) UPPER WING  
 [ ] - (C1F1) LOWER WING

BETA: .000  
 .000



SPANWISE LOCATION, ZY/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MAC<sub>n</sub> = 1.209 ALPHA = 3.880 X/C = .500



DATA SET SYMBOL: [AF4L09] [AF4L09] **Q** CONFIGURATION DESCRIPTION: [A68 [ C1F13(1)M4(1) ] - [C1F1] UPPER WING] [A68 [ C1F13(1)M4(1) ] - [C1F1] LOWER WING] BETA: .000 .000

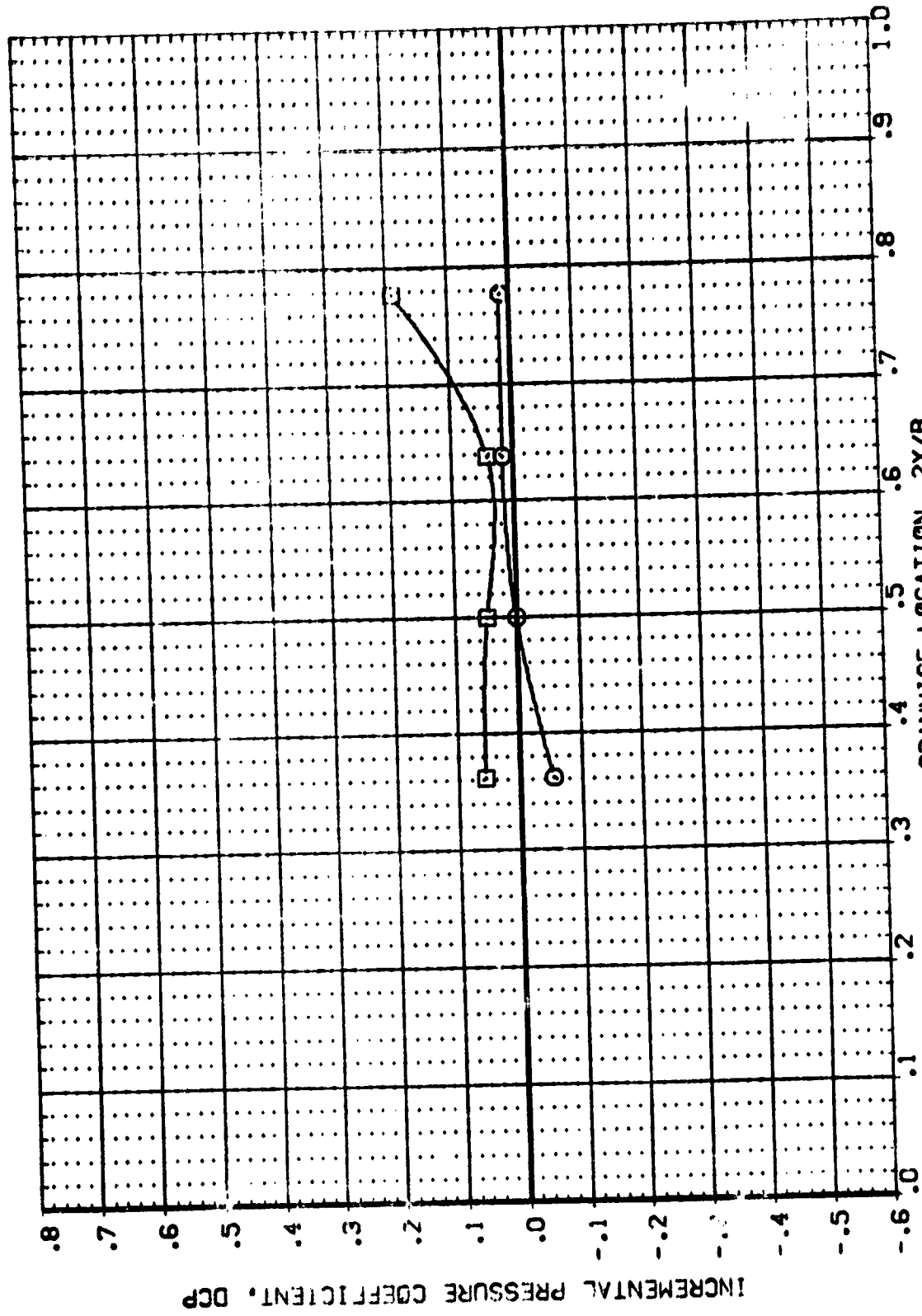


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -3.890 X/C = .500 P/SE :76



DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA  
 (AF4LOS) [AGB { C1F1Q3(1)M4(1) } - (C1F1) UPPER WING .000  
 (AF4LOS) [AGB { C1F1Q3(1)M4(1) } - (C1F1) LOWER WING .000

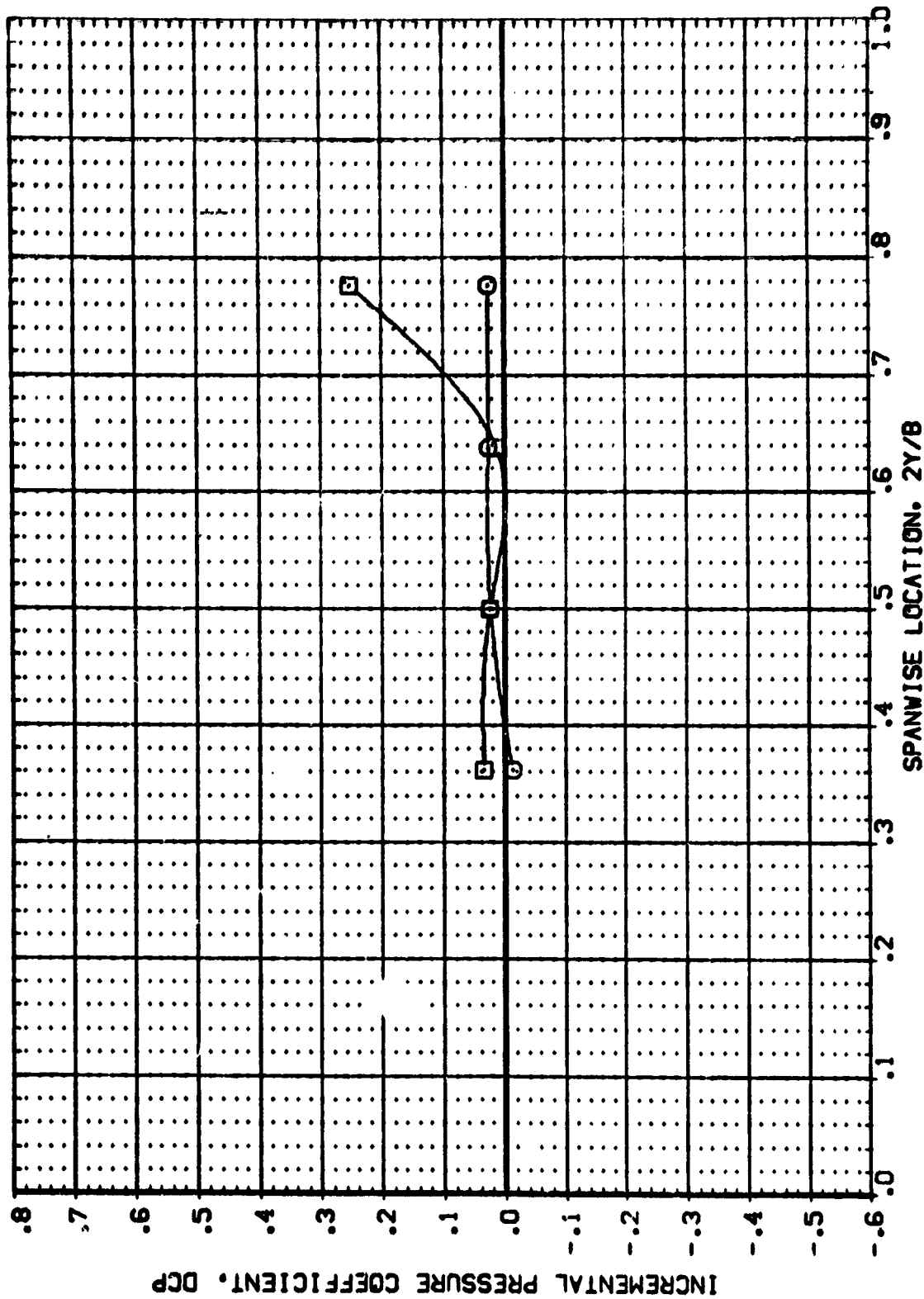


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -1.820 X/C = .500

DATA SET SYMBOL: [ ]  
 CONFIGURATION DESCRIPTION: [ASB ( C1F1G(1)M1(1) ) - (C1F1) UPPER WING] [ASB ( C1F1G(1)M1(1) ) - (C1F1) LOWER WING]  
 BETA: .000  
 .000

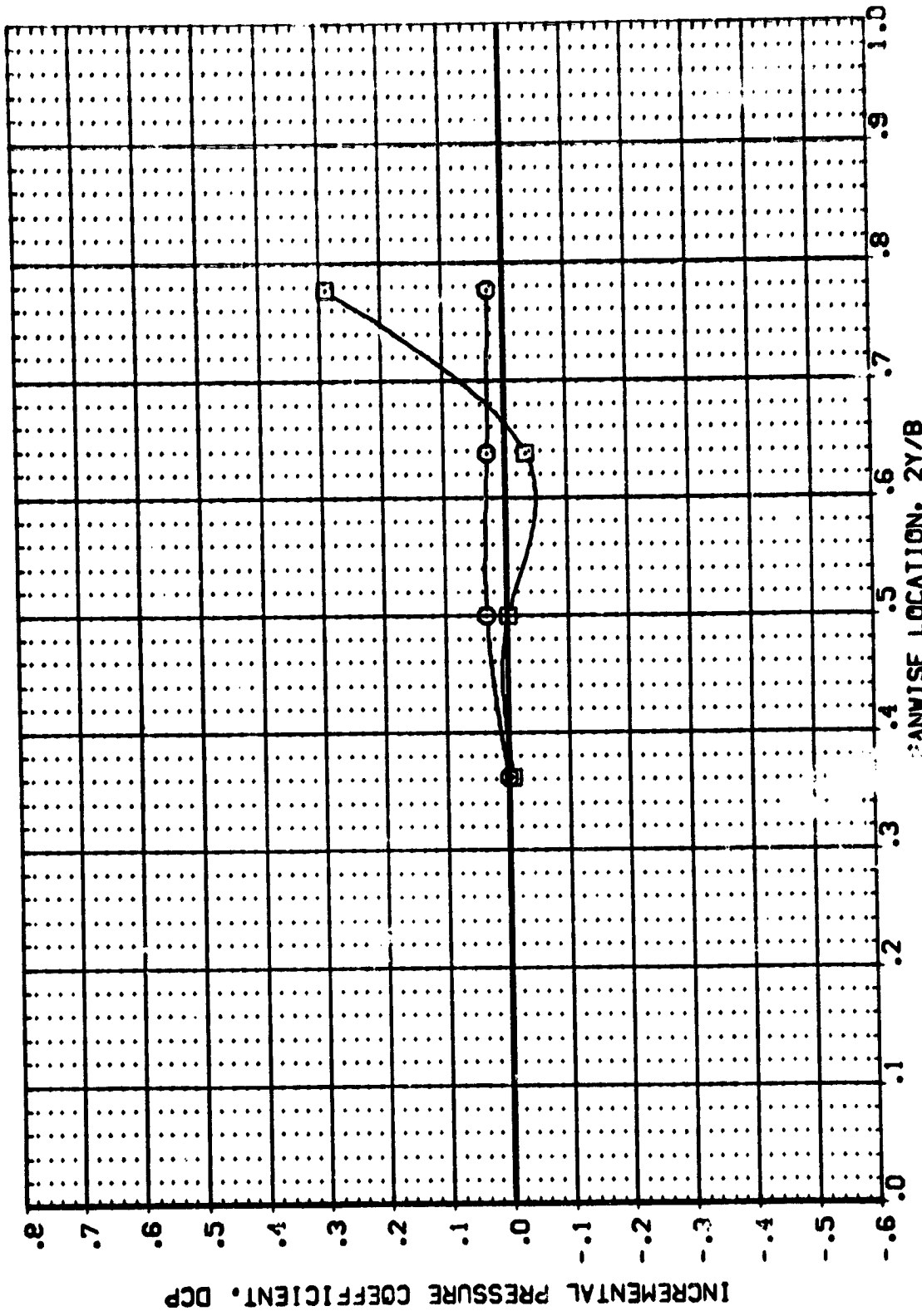


FIG 10 STRUT DIFFERENTIAL PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = .120 X/C = .500



DATA SET SYMBOL: [AFAL09] [AFAL09] BETA: .000  
 CONFIGURATION DESCRIPTION: [AGB { C1F1G{1}M{1} } - {C1F1} UPPER WING] [AGB { C1F1G{1}M{1} } - {C1F1} LOWER WING]

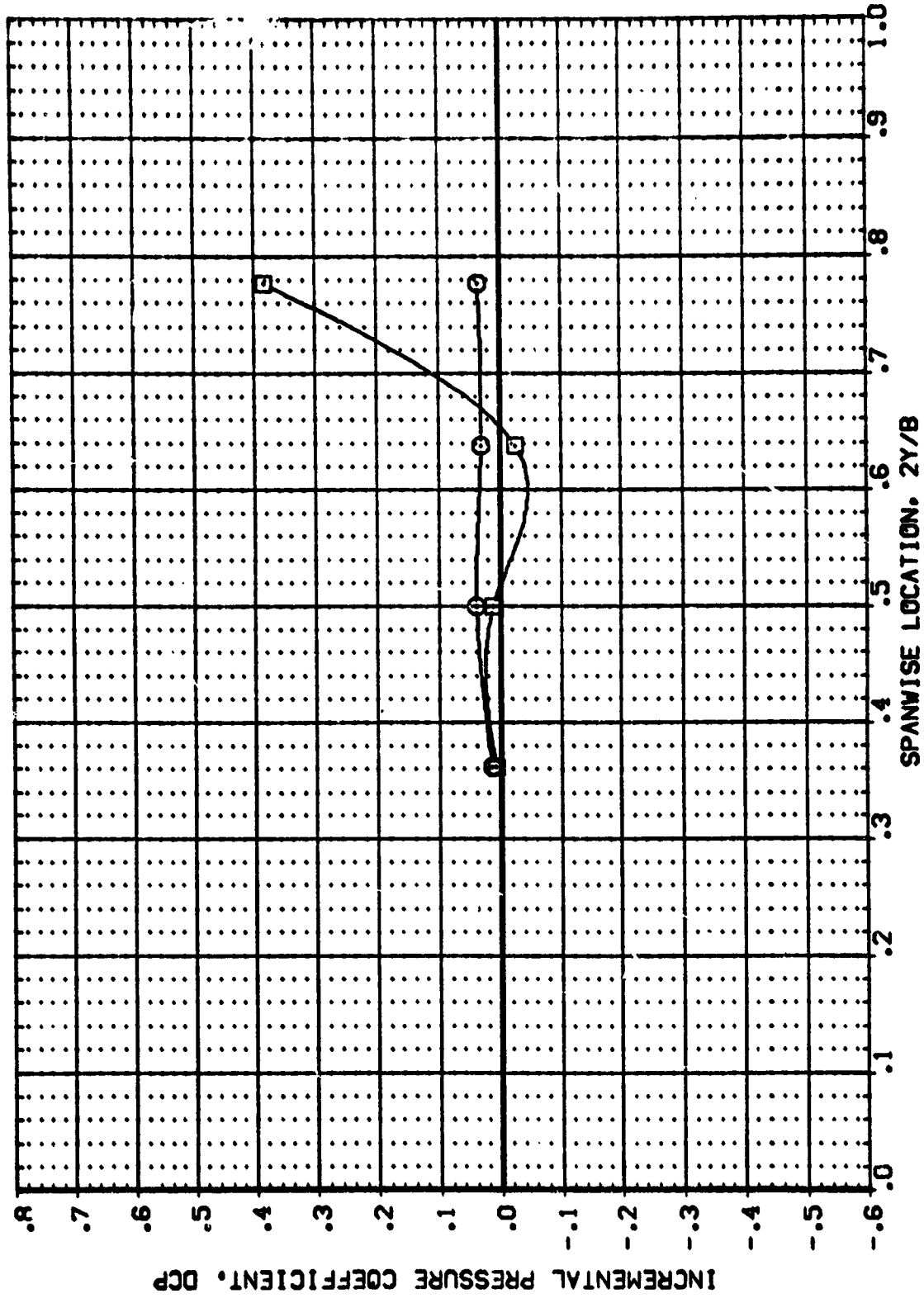
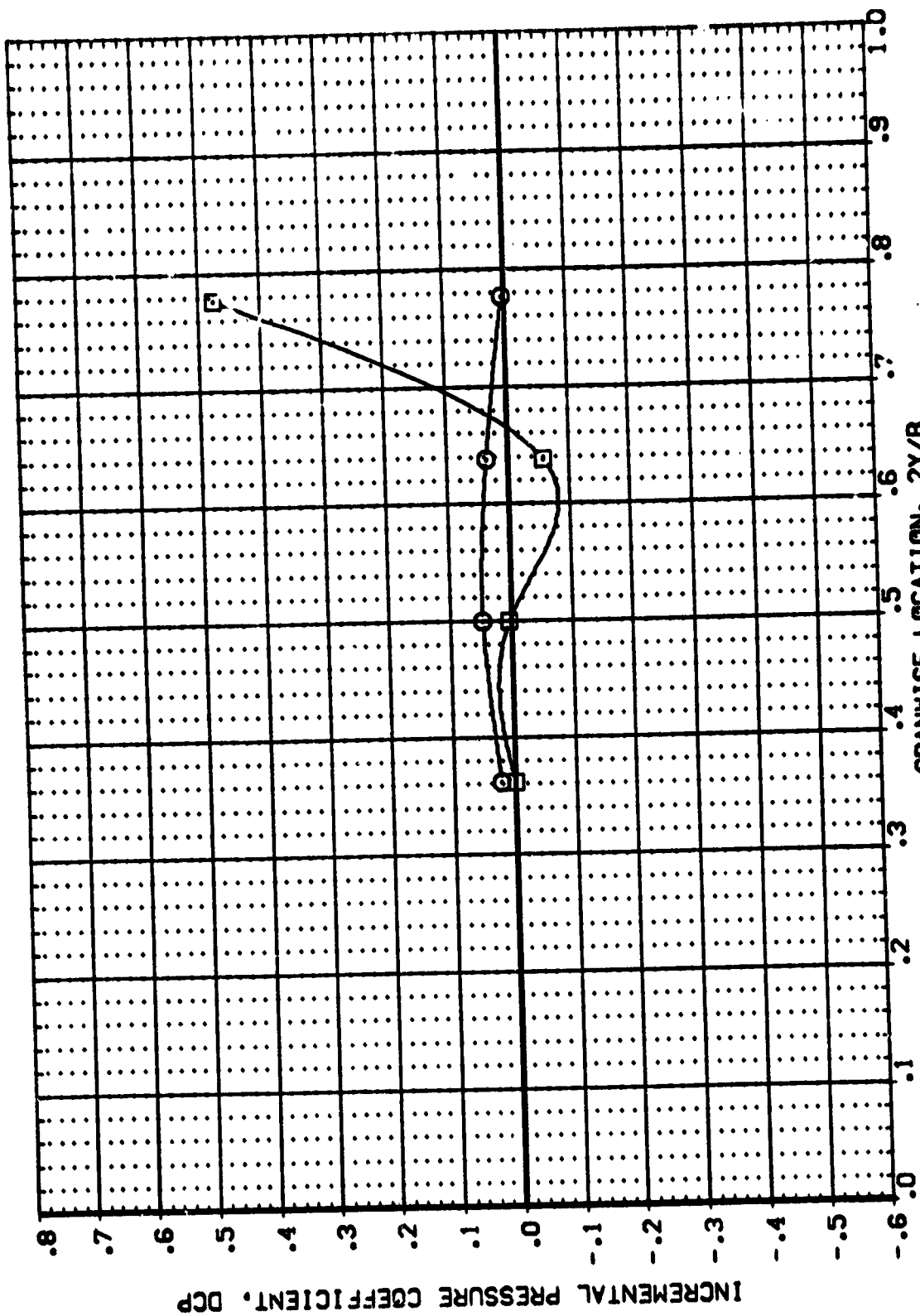


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 2.120 X/C = .500

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 (AF4LO8) [AF88 (C1F1G3(1)M4(1)) - (C1F1) UPPER WING  
 (AF4LO9) [AF88 (C1F1G3(1)M4(1)) - (C1F1) LOWER WING

BETA  
 .000  
 .000



SPANWISE LOCATION, 2Y/B  
 FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS  
 MACH = 1.503 / ALPHA = 4.030 X/C = .500



BETA  
.000  
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(AF4U11) IAGB (C1 F1 M111) - (C1 F1) UPPER WING  
(AF4L11) IAGB (C1 F1 M111) - (C1 F1) LOWER WING

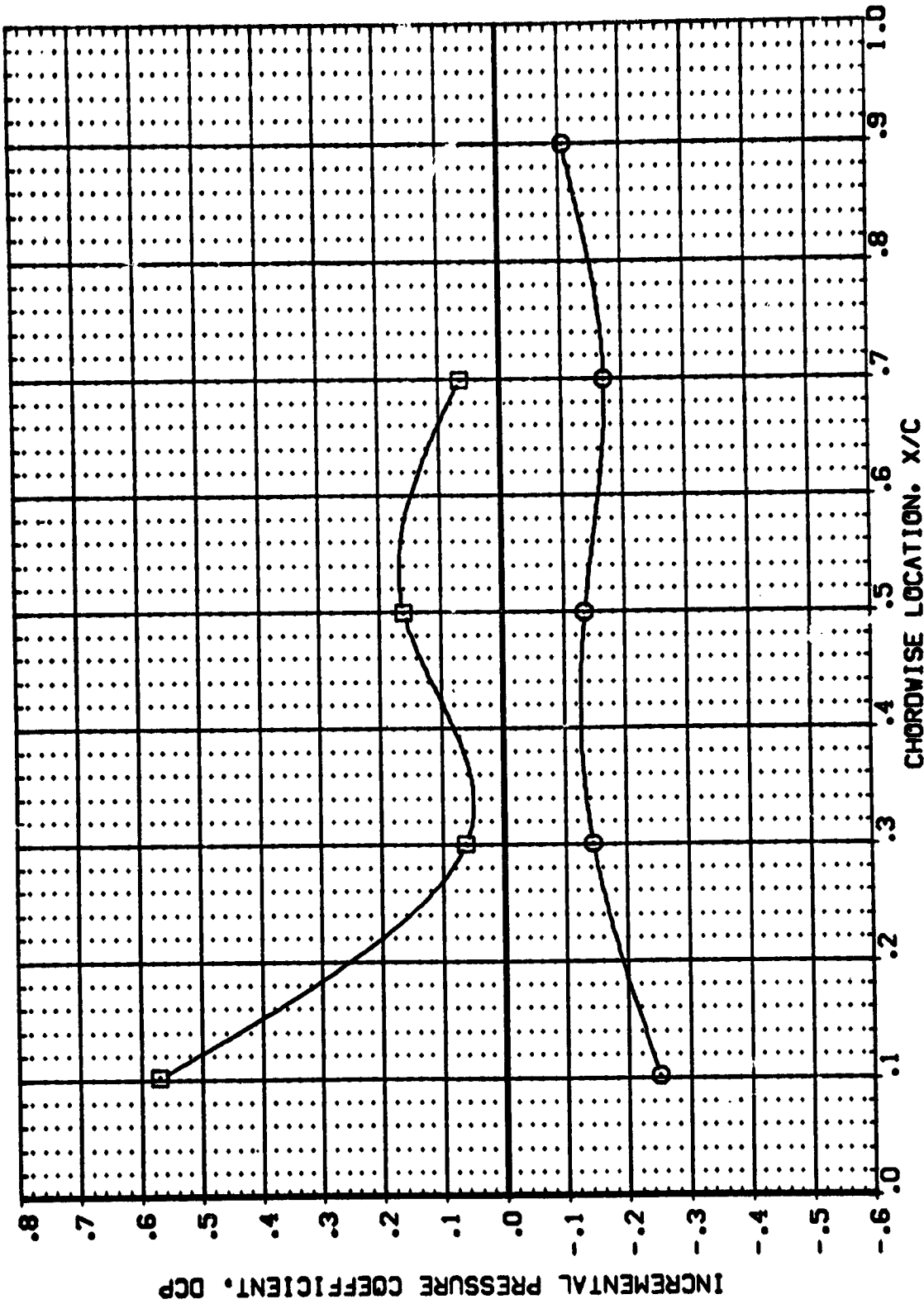


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -3.700 2Y/B = .500

DATA SET SYMB. CONFIGURATION DESCRIPTION  
 (AF4U11) IASB ( C1 F1 MI(1) ) - ( C1 F1 ) UPPER WING  
 (AF4L11) IASB ( C1 F1 MI(1) ) - ( C1 F1 ) LOWER WING

BETA  
 .000  
 .000

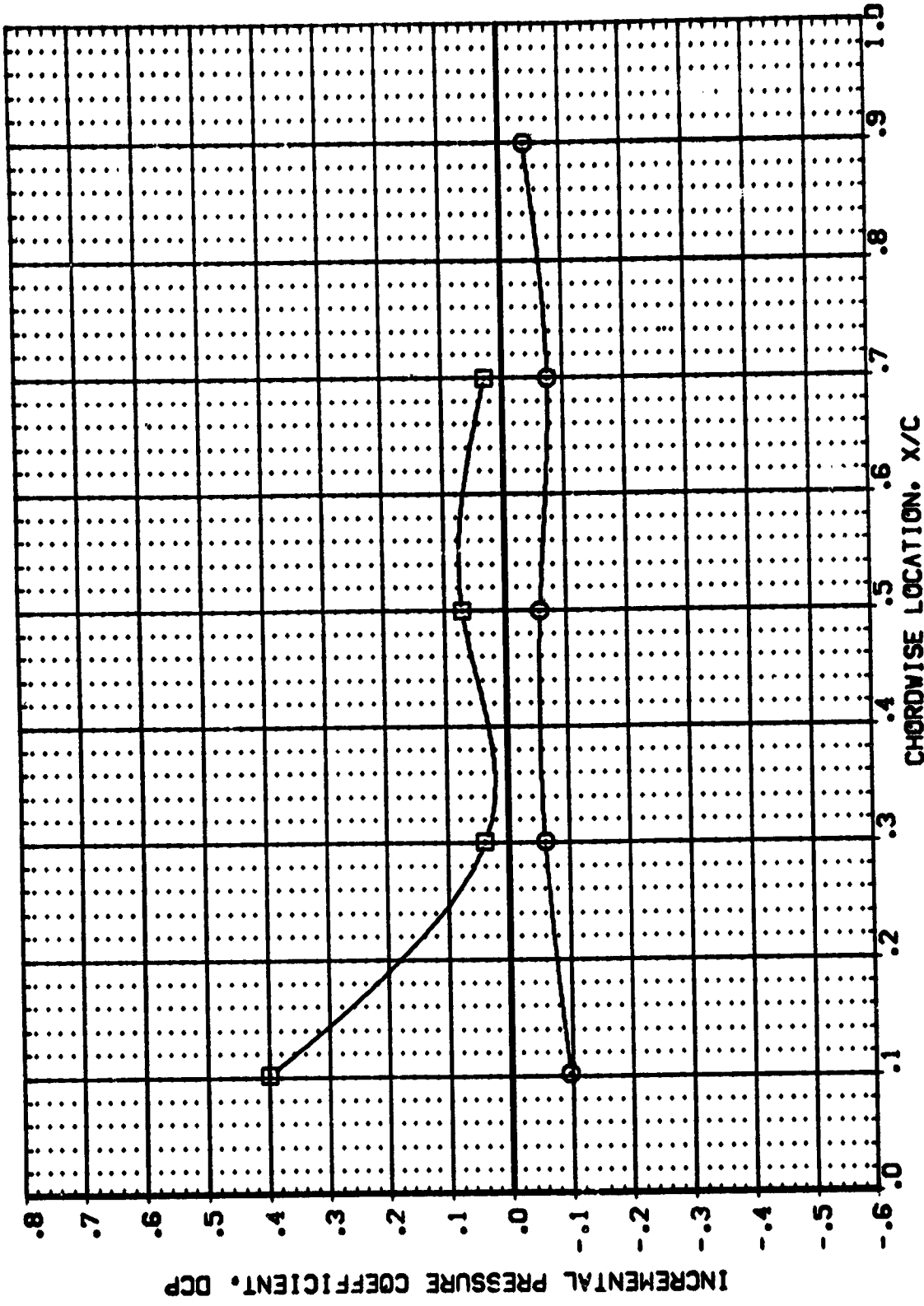


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -1.790 2Y/B = .500





BETA  
.000  
.000

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(AFAU11)    IAGB ( C1 F1 MI11 ) - ( C1 F1 ) UPPER WING  
(AFAU11)    IAGB ( C1 F1 MI11 ) - ( C1 F1 ) LOWER WING

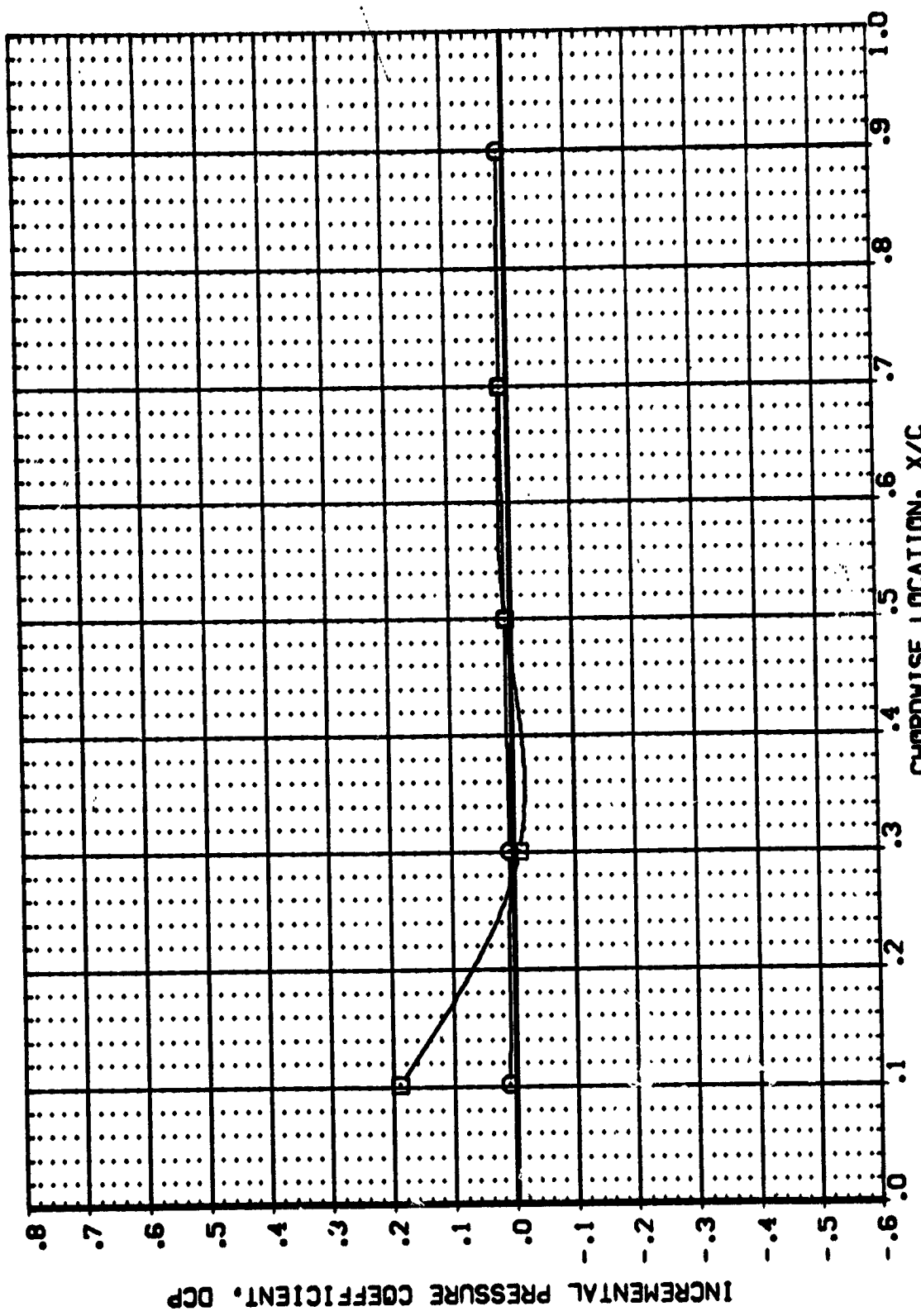


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503    ALPHA = .120    2Y/B = .500    PAGE 183

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATA SET SYMB.    CONFIGURATION DESCRIPTION    BETA

[AF411]    [ASB { C1 F1 M1(1) } - { C1 F1 } UPPER WING    .000

[AF411]    [ASB { C1 F1 M1(2) } - { C1 F1 } LOWER WING    .000

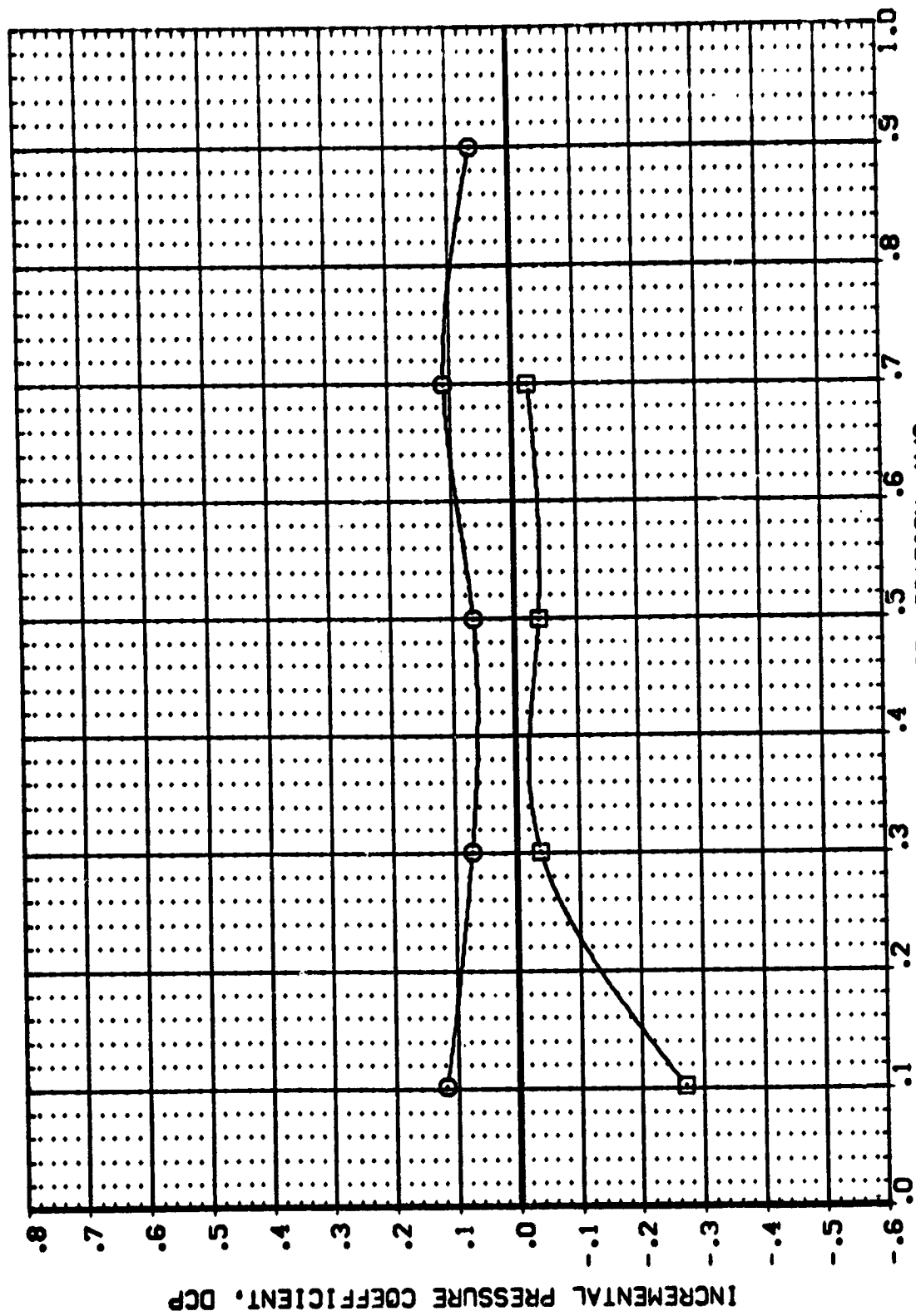


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503    ALPHA = 2.010    2Y/B = .500    PAGE    184



DATA SET SYMBOL: **9** CONFIGURATION DESCRIPTION: **{ C1 F1 MI(1) } - { C1 F1 } UPPER WING**  
**{ AF4U11 } IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING**

BETA: **.000**  
**.000**

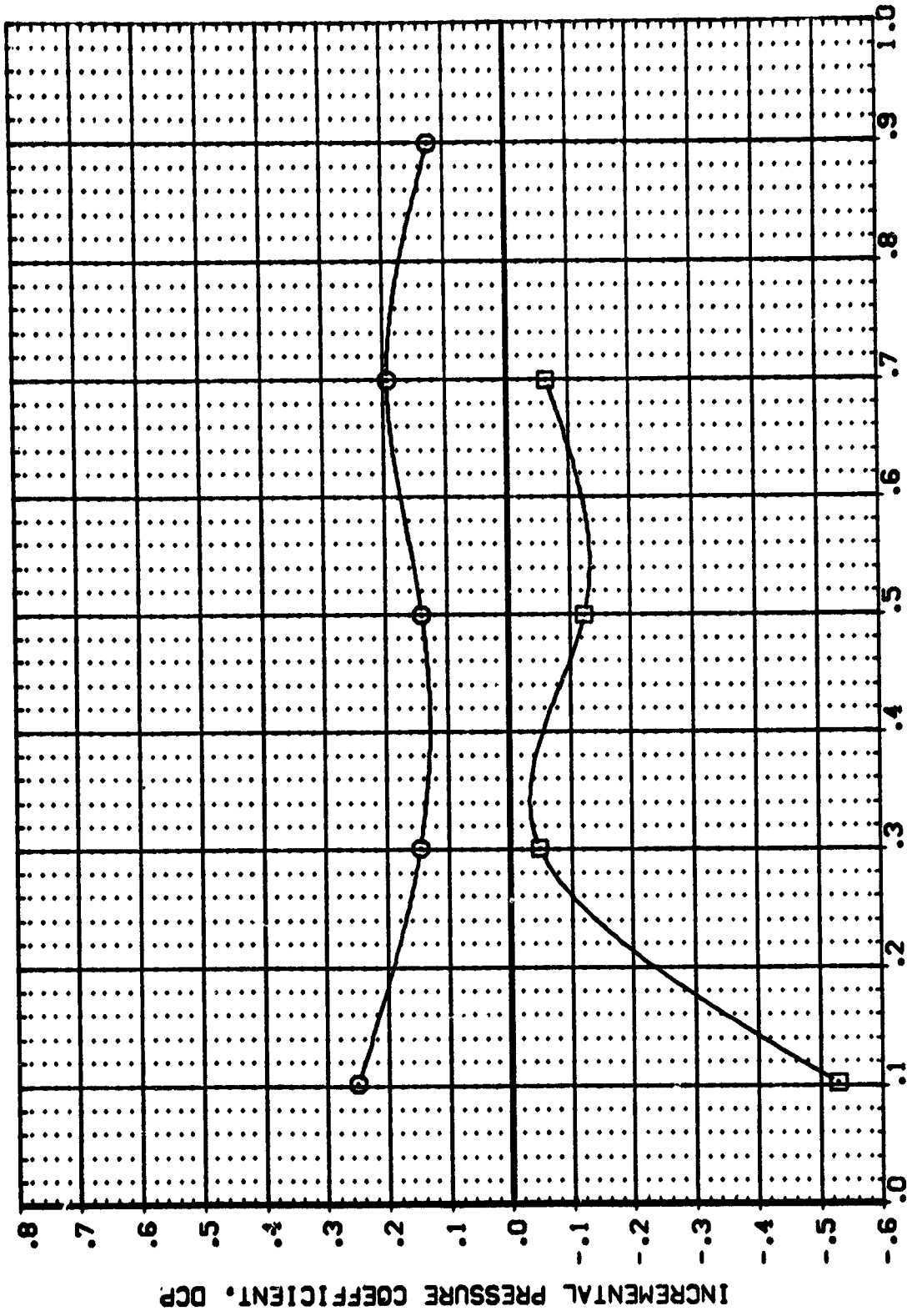
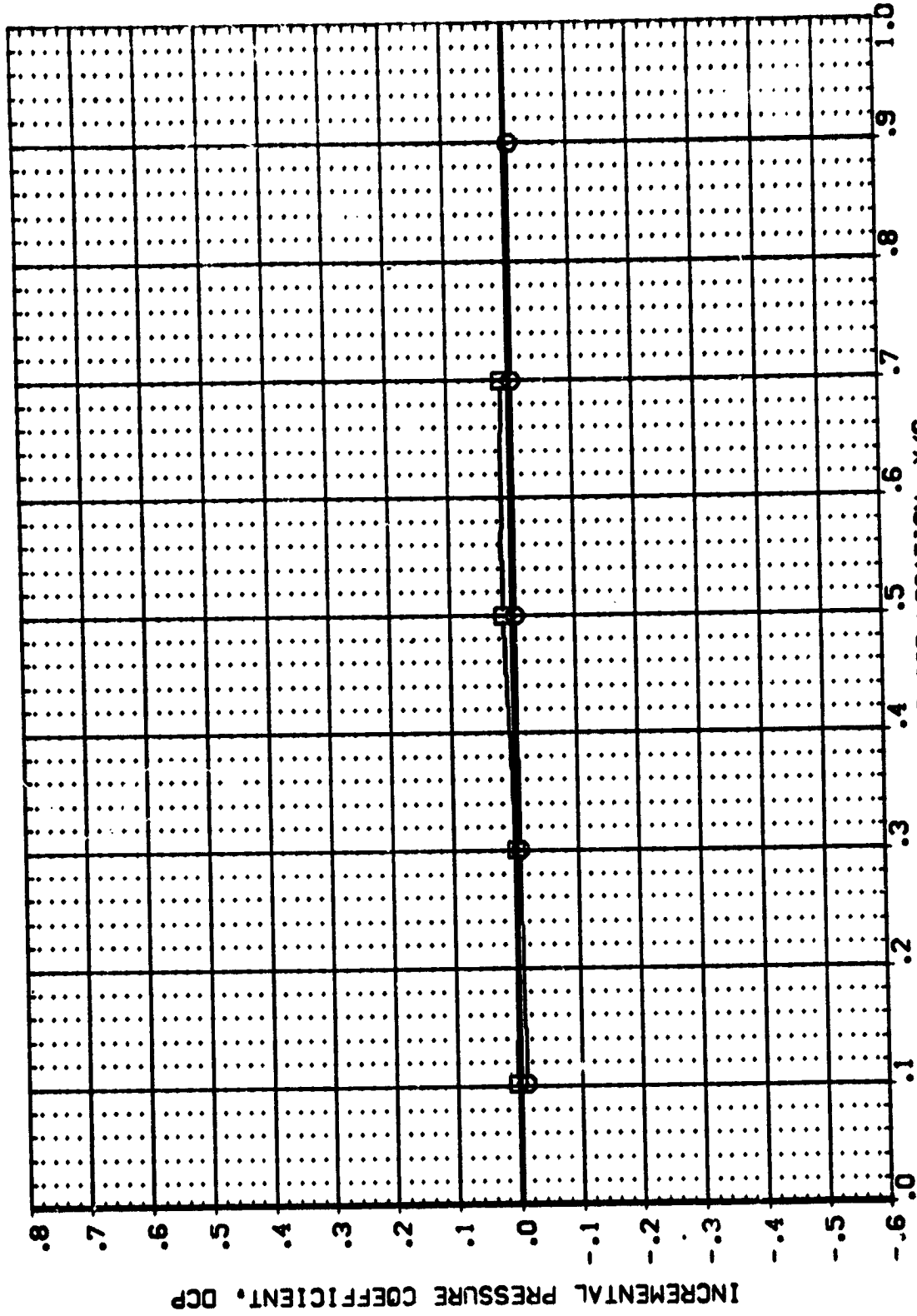


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 4.040 2Y/B = .500

DATA SET SYMBOL:  (AF4U11)  (AF4L11) CONFIGURATION DESCRIPTION: IASB { C1 F1 M1(1) } - { C1 F1 } UPPER WING IASB { C1 F1 M1(1) } - { C1 F1 } LOWER WING

BETA: .000  
.000



CHORDWISE LOCATION, X/C

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

PAGE 186

MACH = 1.991 ALPHA = -3.860 2Y/B = .500



BETA  
.000  
.000

DATA SET SYMBOL: (AF4U11) (AF4L11)  
CONFIGURATION DESCRIPTION: (C1 F1 M1(1)) - (C1 F1) UPPER WING (C1 F1) LOWER WING

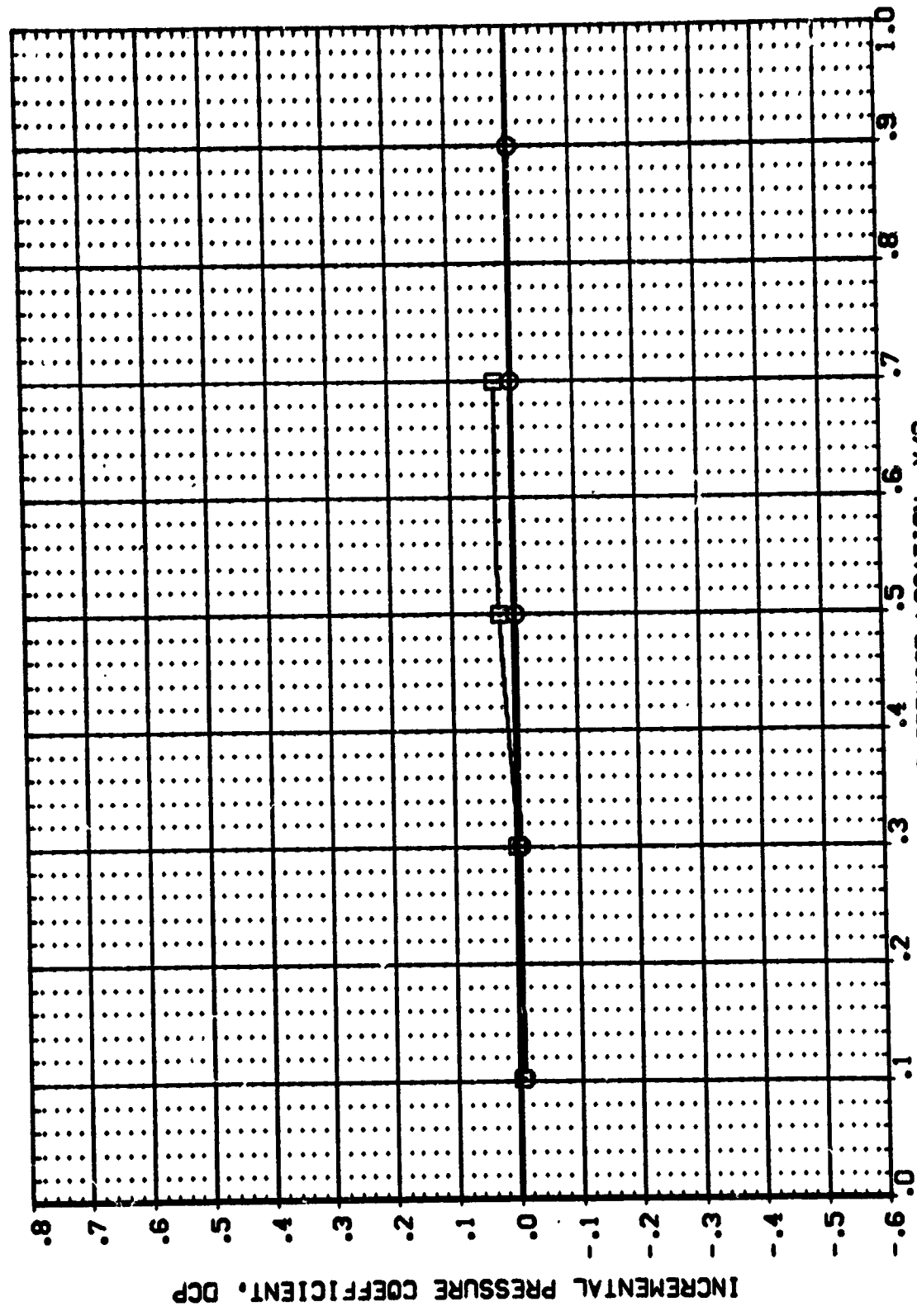


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS  
MACH = 1.991 ALPHA = -1.940 2Y/B = .500

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 {AF4U11} JAB8 { C1 F1 MI(1) } - { C1 F1 } UPPER WING  
 {AF4L11} JAB8 { C1 F1 MI(1) } - { C1 F1 } LOWER WING

BETA  
 .000  
 .000

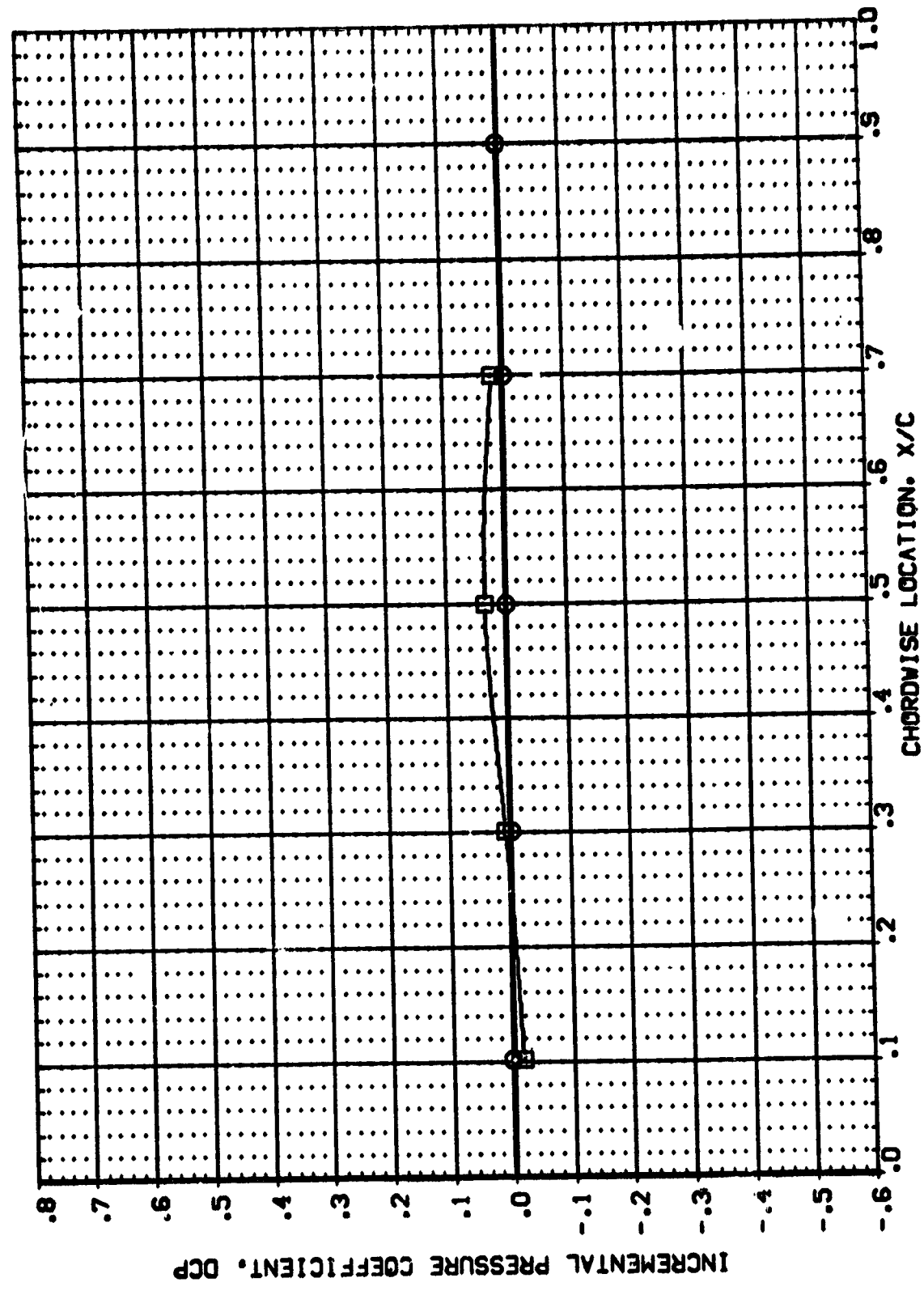


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = .000 2Y/B = .500 PAGE 188



DATA SET SYMB.    CONFIGURATION DESCRIPTION    BETA

.000

[AFAL1]    [ASB { CI FI MI(1) } - { CI FI } UPPER WING

[AFAL1]    [ASB { CI FI MI(1) } - { CI FI } LOWER WING

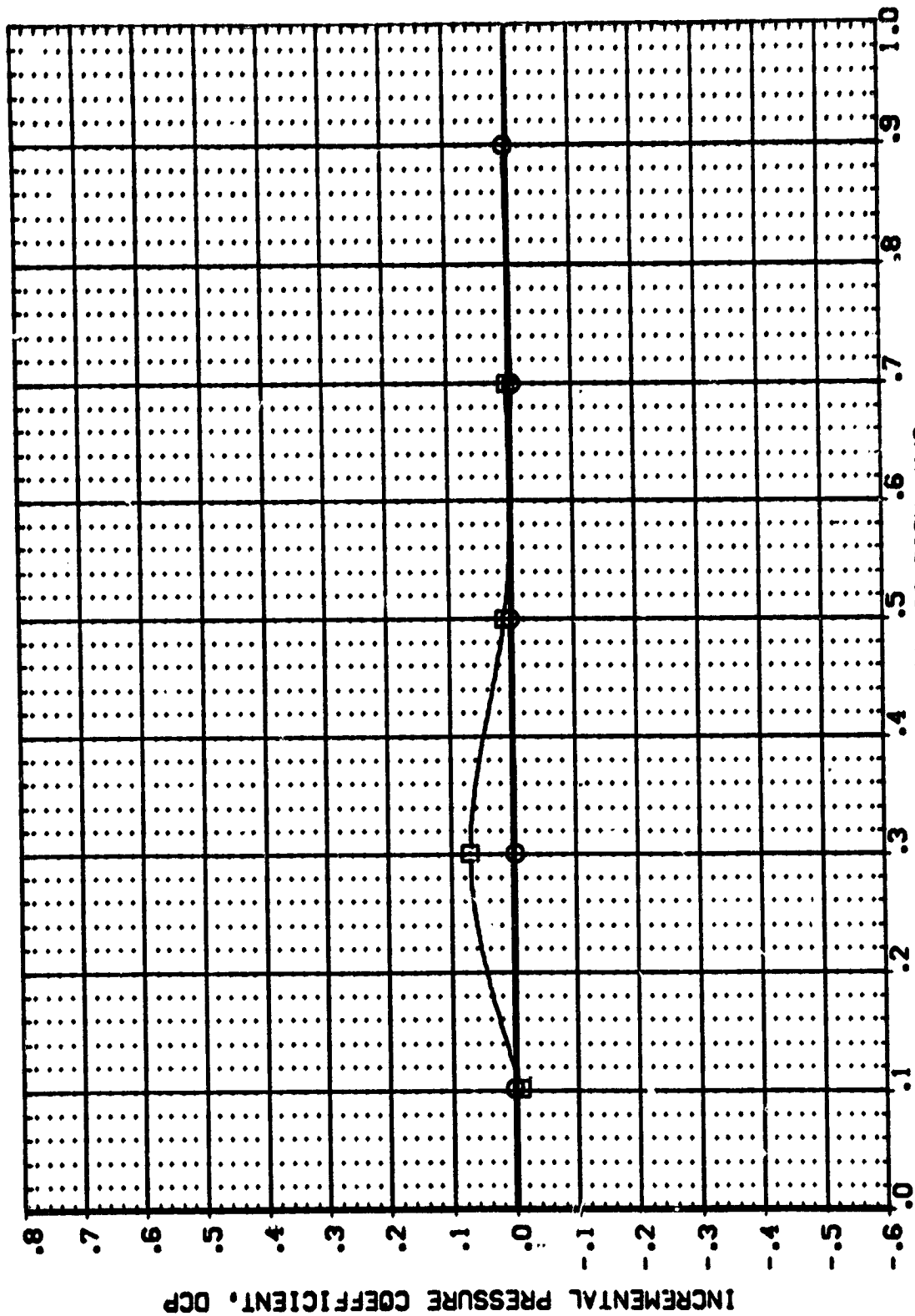


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991    ALPHA = 1.980    2Y/B = .500

DATA SET SYMBOL: [AF4U11] [AF4L11] [A68] [E1 F1 M1(1)] - [C1 F1] UPPER WING  
 [AF4L11] [A68] [E1 F1 M1(1)] - [C1 F1] LOWER WING

BETA  
 .000  
 .000

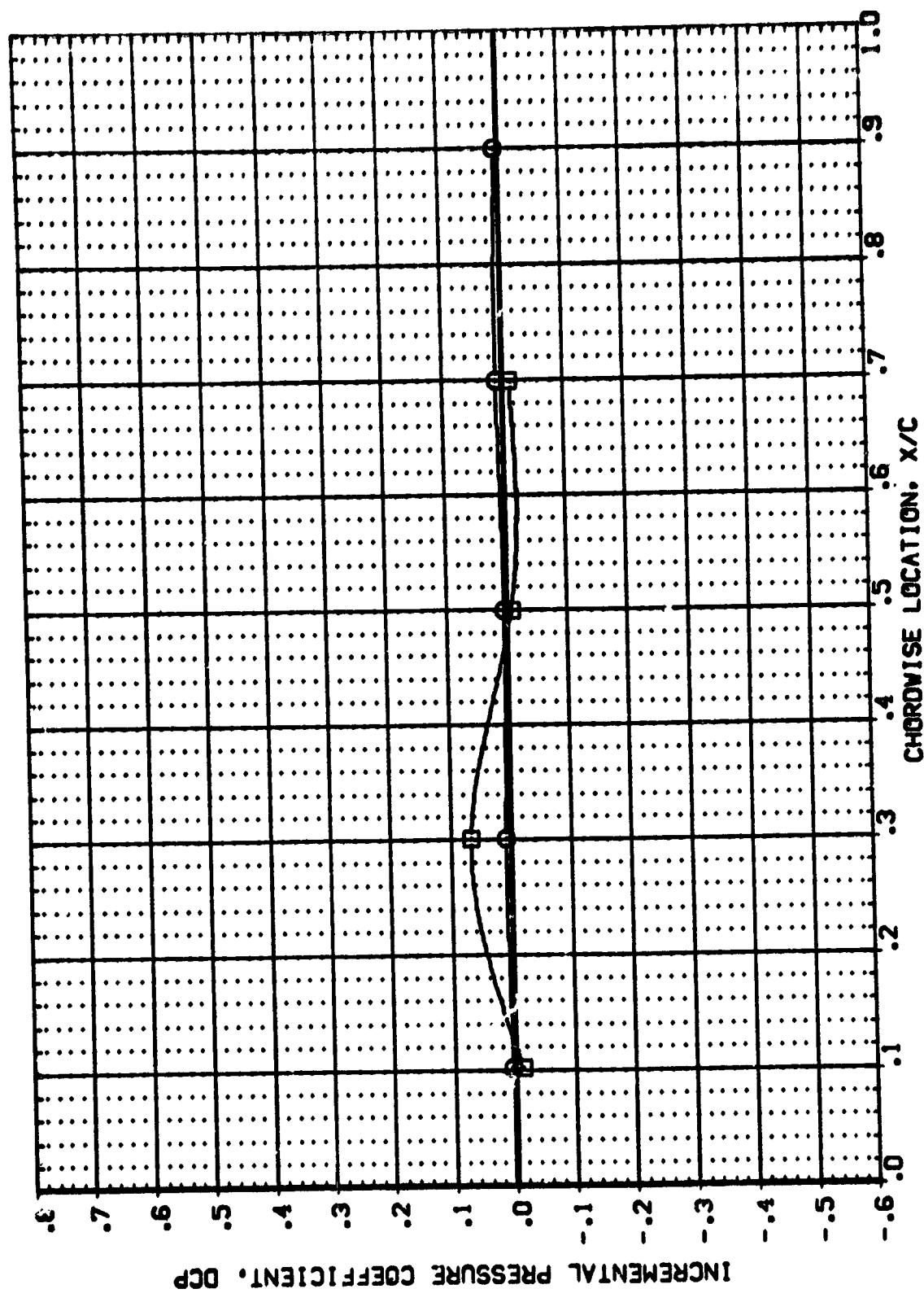


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 3.910 2Y/B = .500 PAGE 193





REPRODUCIBILITY OF THE  
ORIGINAL PAGE IS POOR

DATA SET SYMBOL: { AFAU11 }  
CONFIGURATION DESCRIPTION: { C1 F1 M111 } - { C1 F1 } UPPER WING  
{ AFAU11 } { C1 F1 M111 } - { C1 F1 } LOWER WING  
BETA: .000  
.000

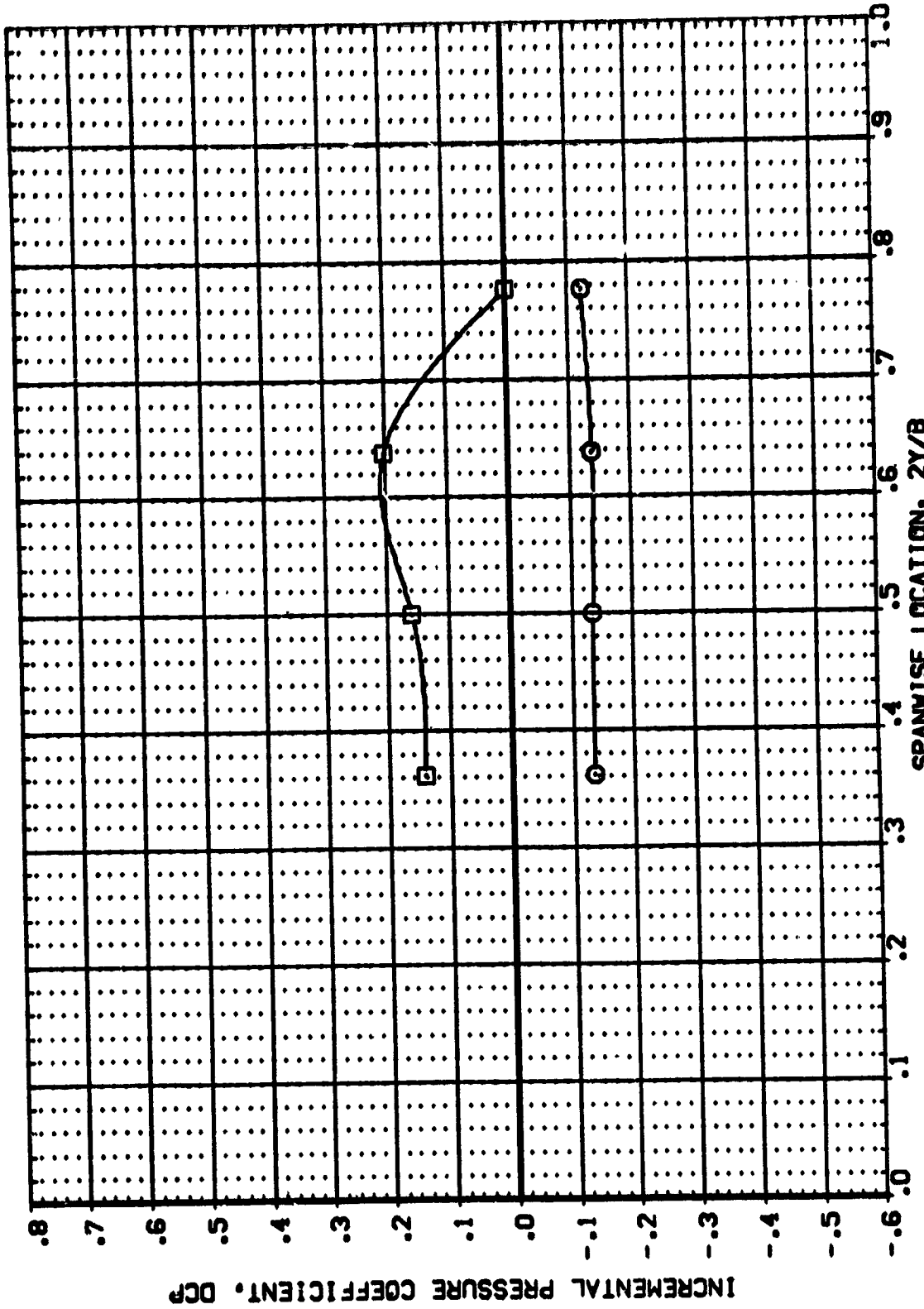
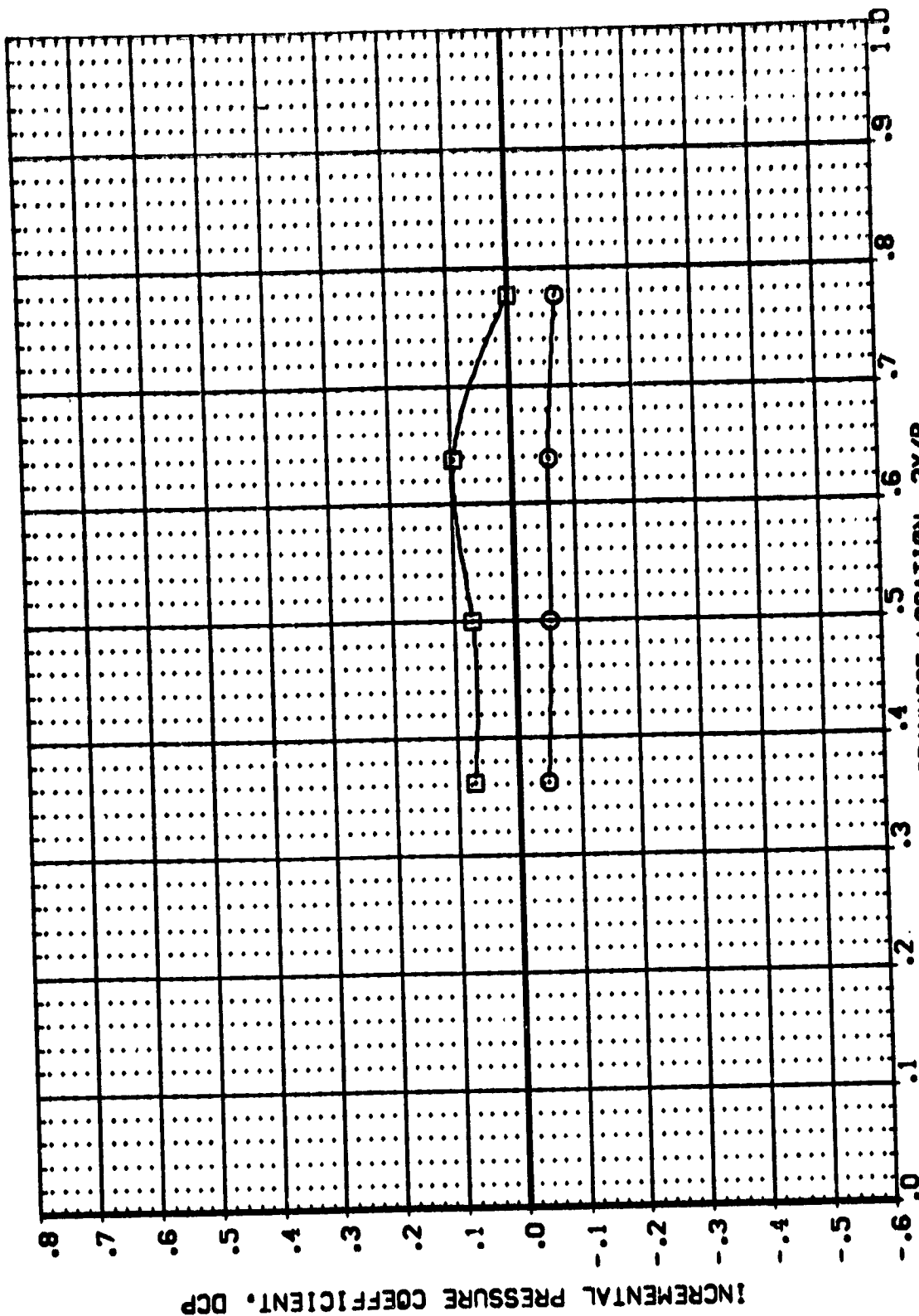


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS  
MACH = 1.503 ALPHA = -3.700 X/C = .500  
SPANWISE LOCATION, 2Y/B  
PAGE 19:

BETA  
.000  
.000

DATA SET SYMBL. CONFIGURATION DESCRIPTION  
{AF4J11} IASB { C1 F1 M1(1) } - { C1 F1 } UPPER WING  
{AF4L11} IASB { C1 F1 M1(1) } - { C1 F1 } LOWER WING



SPANWISE LOCATION, 2Y/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -1.790 X/C = .500



BETA  
.000  
.000

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
{AF4U11} IASB {C1 F1 MI(1)} - {C1 F1} UPPER WING  
{AF4L11} IASB {C1 F1 MI(1)} - {C1 F1} LOWER WING

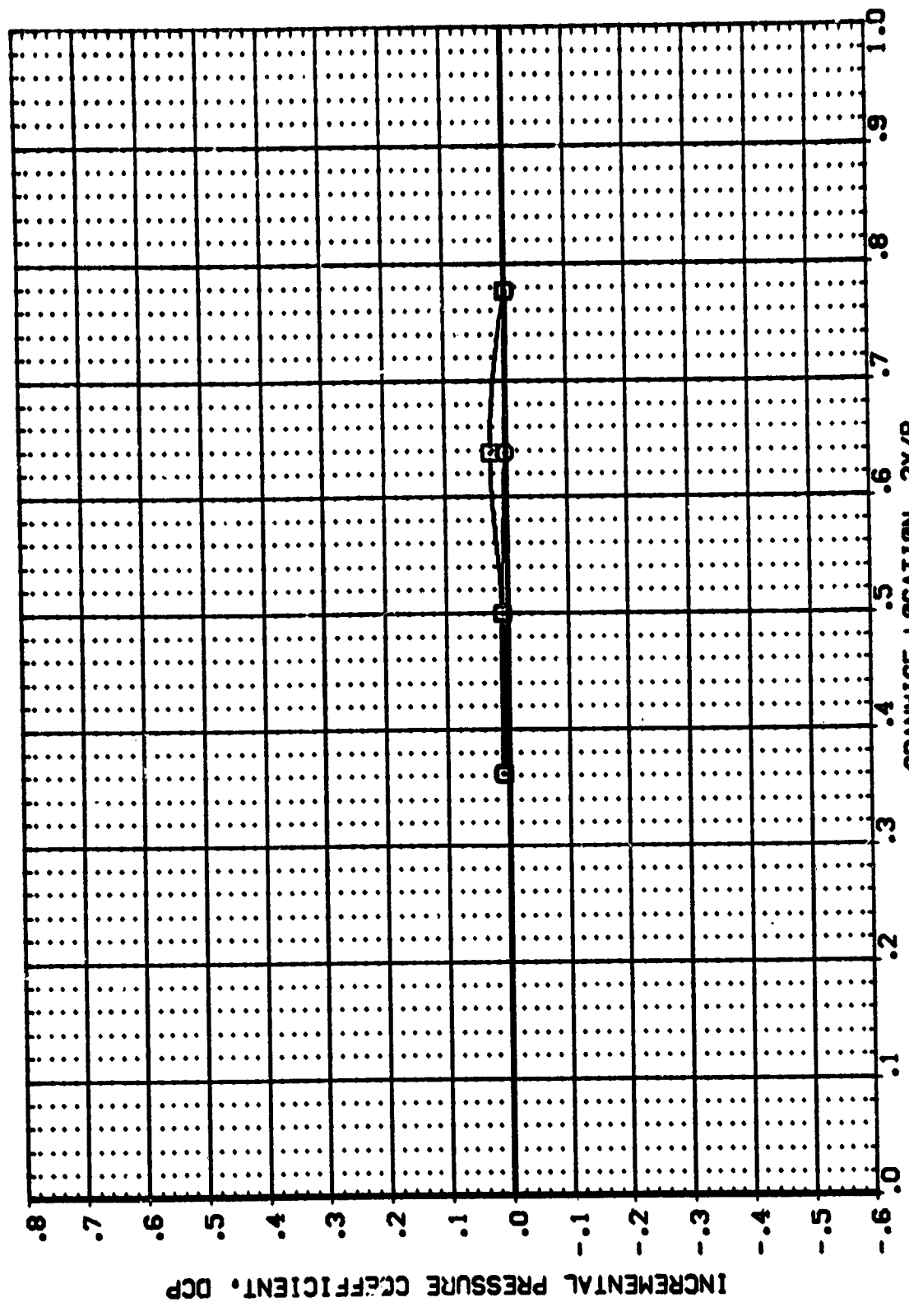


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = .120 X/C = .500 PAGE 193

BETA  
.000  
.000

DATA SET SYMBOL: [AFALL] [AFALL]  
CONFIGURATION DESCRIPTION: [AGB] [CF] [MI] - [CF] [CF] UPPER WING  
[AGB] [CF] [MI] - [CF] [CF] LOWER WING

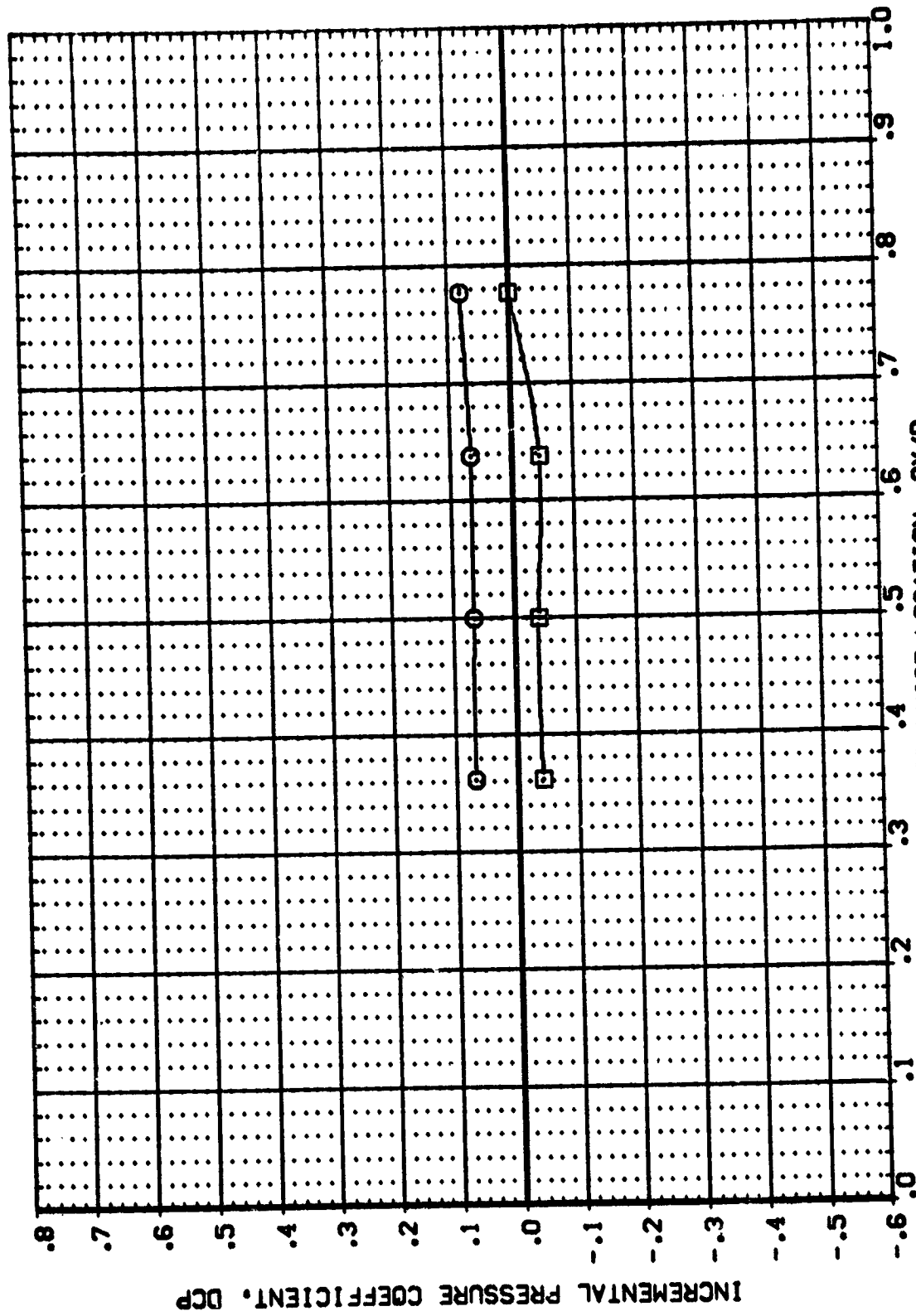


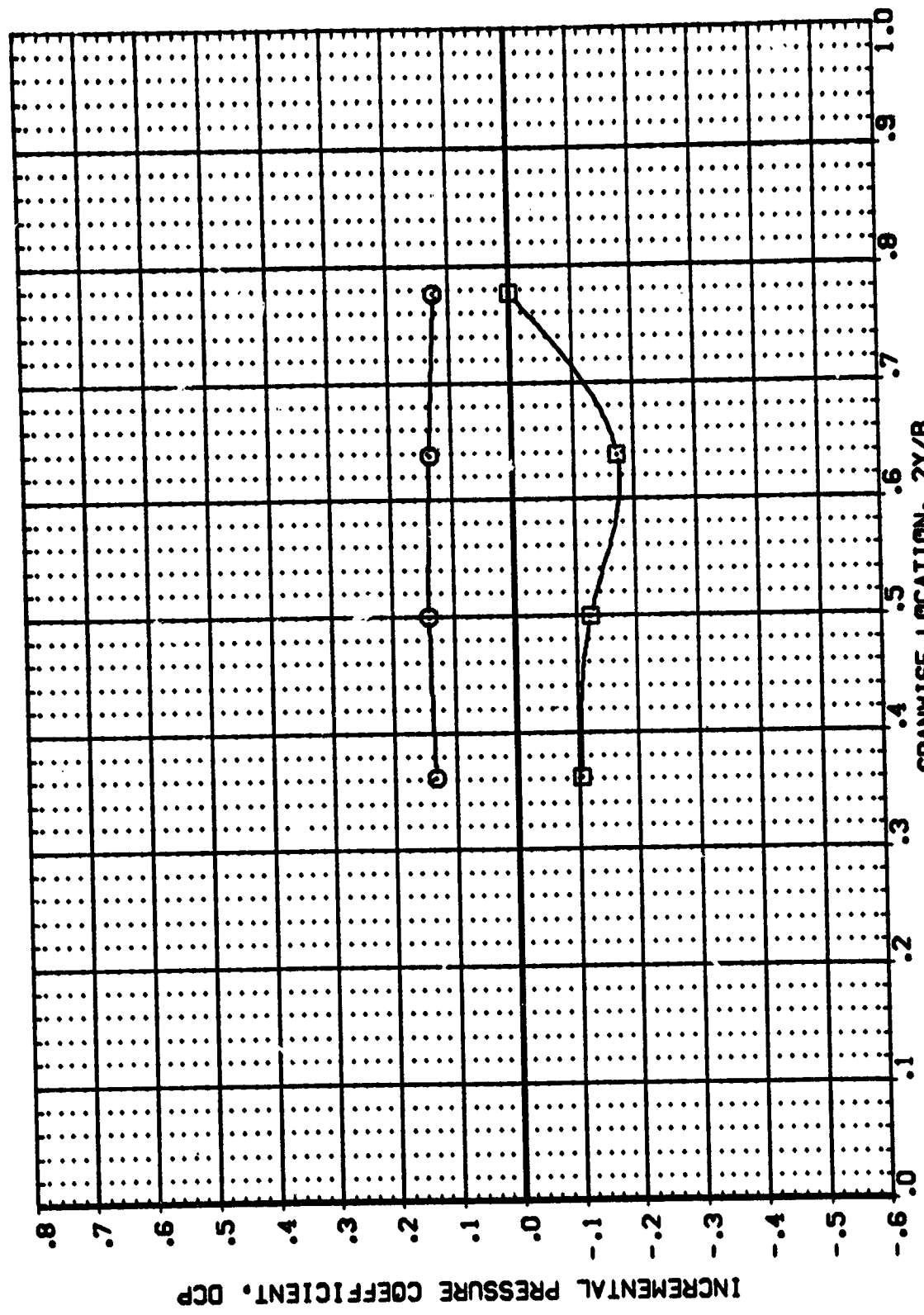
FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 2.010 X/C = .500 SPANWISE LOCATION, Z/Y/B PAGE 194



DATA SET SYMBOL: **B** CONFIGURATION DESCRIPTION: { C1 F1 M1(1) } - { C1 F1 } UPPER WING  
 { AF4L11 } { AF4L11 } LOWER WING

BETA  
 .000  
 .000



SPANWISE LOCATION, 2Y/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 4.040 X/C = .500

DATA SET SYMBL. CONFIGURATION DESCRIPTION  
 {AF4U11} 1A68 { C1 F1 MI(1) } - { C1 F1 } UPPER WING  
 {AF4L11} 1A68 { C1 F1 MI(1) } - { C1 F1 } LOWER WING

BETA  
 .000  
 .000

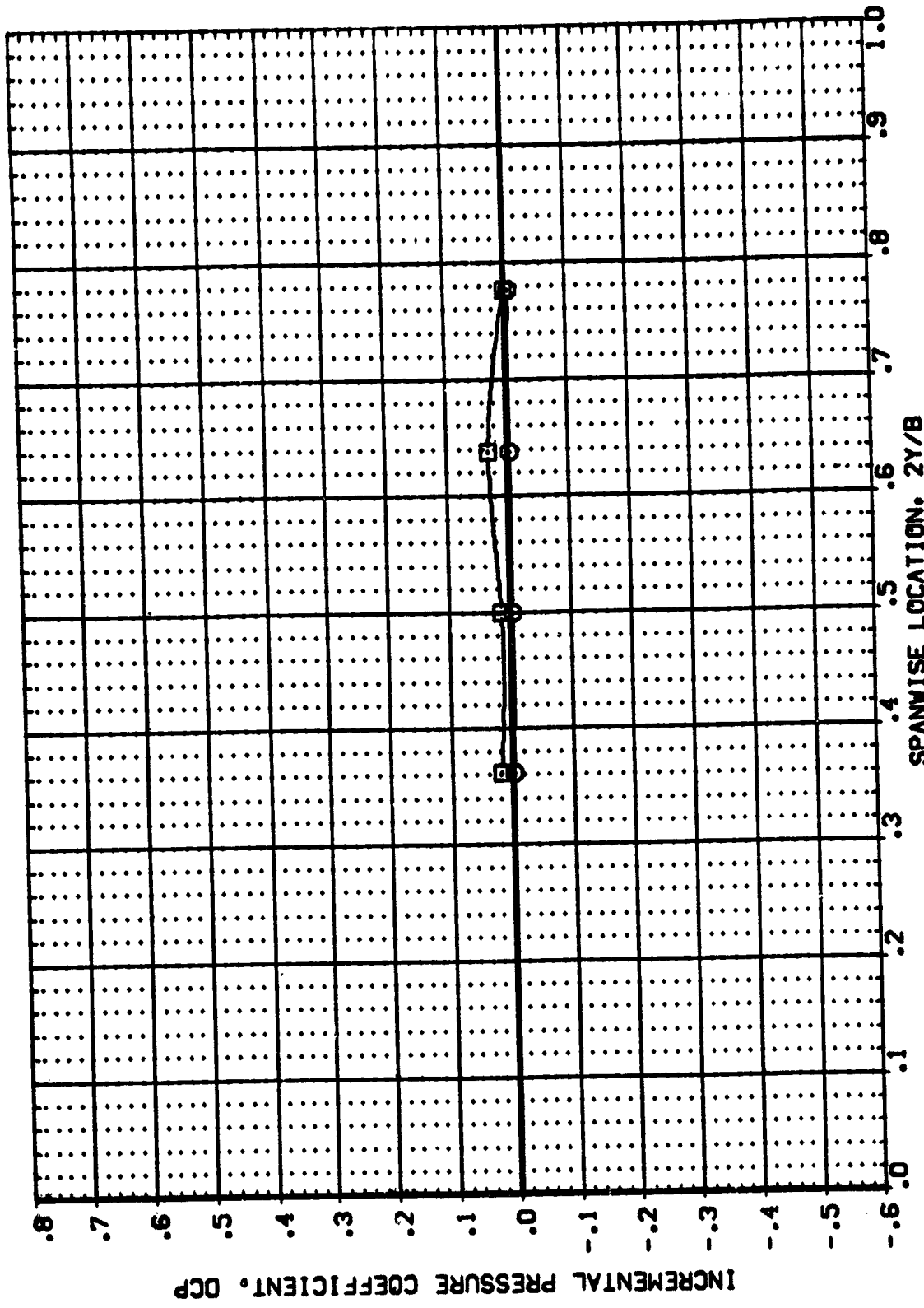


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -3.860 X/C = .500



DATA SET SYMB. CONFIGURATION DESCRIPTION BETA  
 {AF4U11} 1ASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING .000  
 {AF4L11} 1ASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING .000

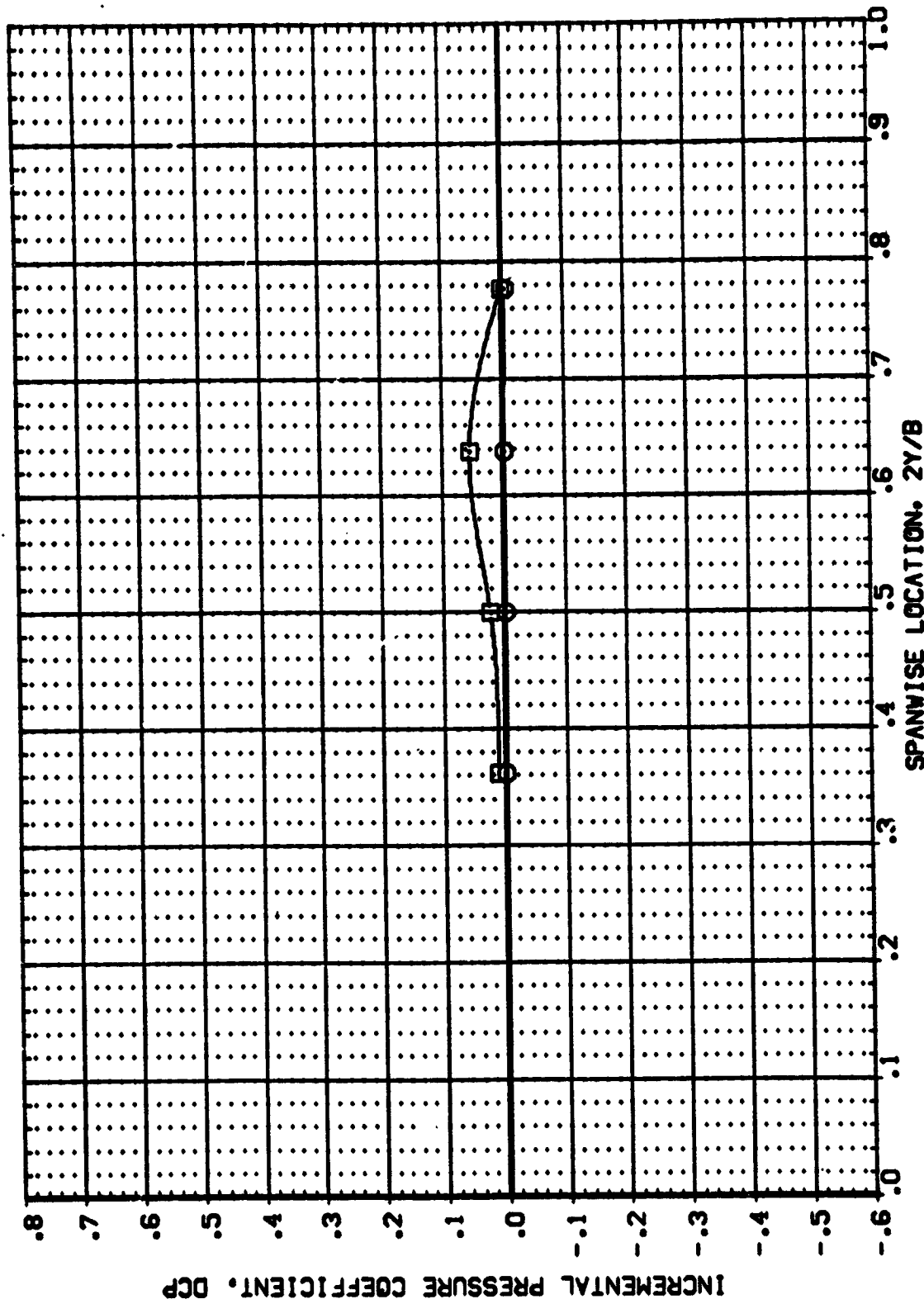


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -1.940 X/C = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 [AF4U1] [ASB { C1 F1 M1(1) } - { C1 F1 } UPPER WING  
 [AF4L1] [ASB { C1 F1 M1(1) } - { C1 F1 } LOWER WING

BETA  
 .000  
 .000

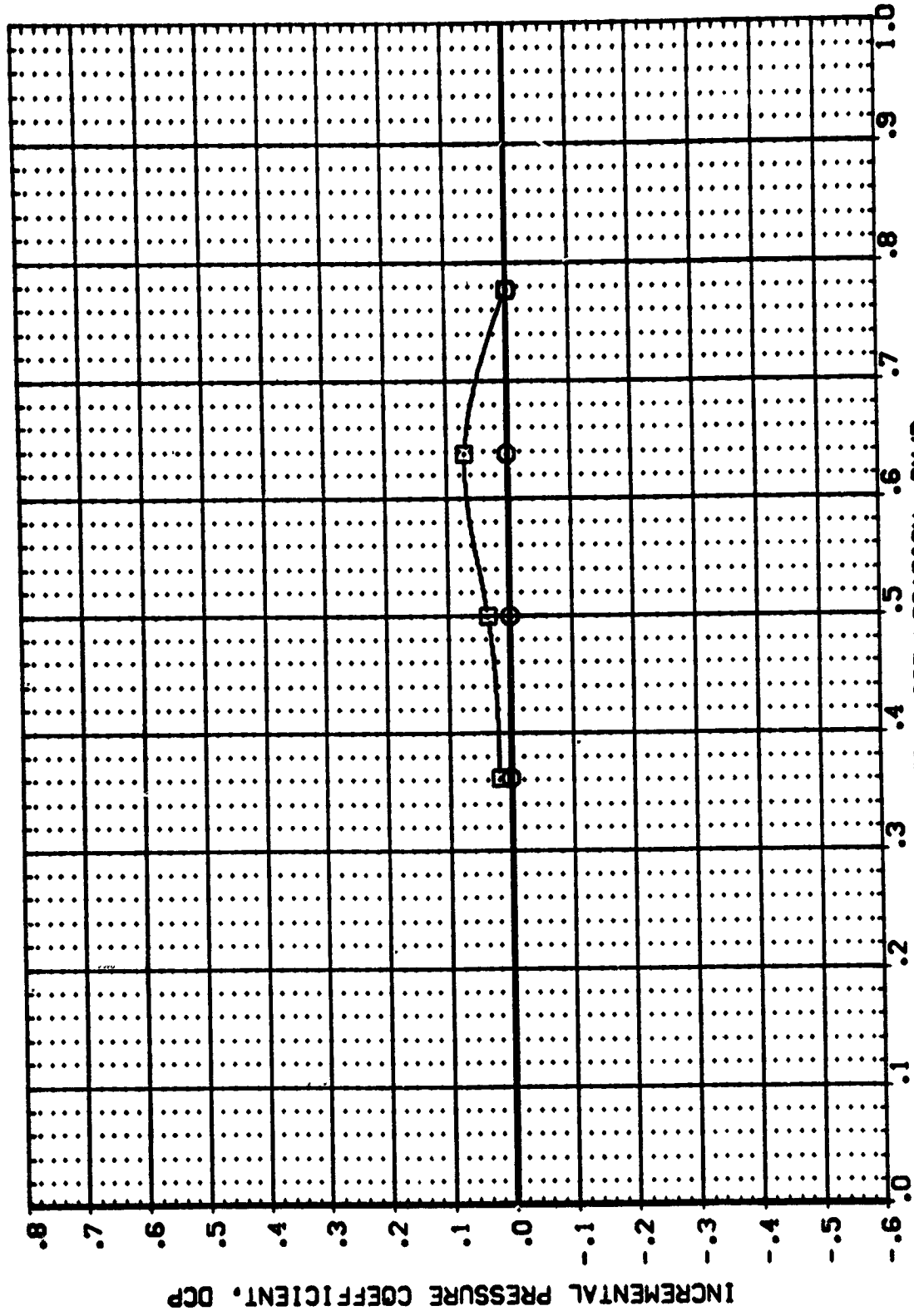


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = .000 X/C = .500 SPANWISE LOCATION, 2Y/B PAGE 198





DATA SET SYMBOL: 9  
 CONFIGURATION DESCRIPTION: IASB { C1 F1 M111 } - { C1 F1 } UPPER WING  
 IASB { C1 F1 M111 } - { C1 F1 } LOWER WING

BETA  
 .000  
 .000

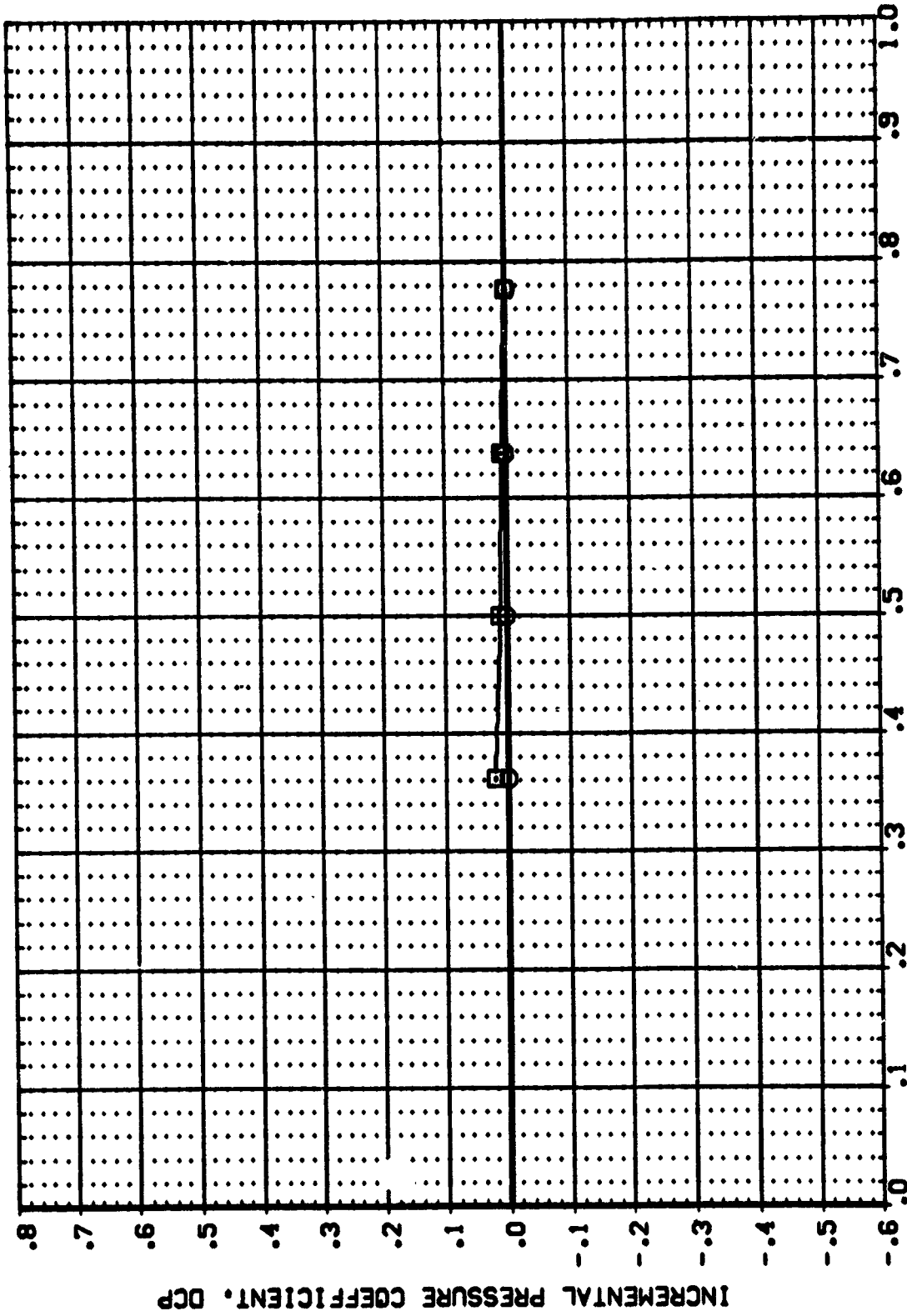


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 1.980 X/C = .500

DATA SET SYMBOL: [AF4U1] [AF4L1] BETA .000 .000  
CONFIGURATION DESCRIPTION: [C1 F1 M1] - [C1 F1] UPPER WING  
[C1 F1 M1] - [C1 F1] LOWER WING

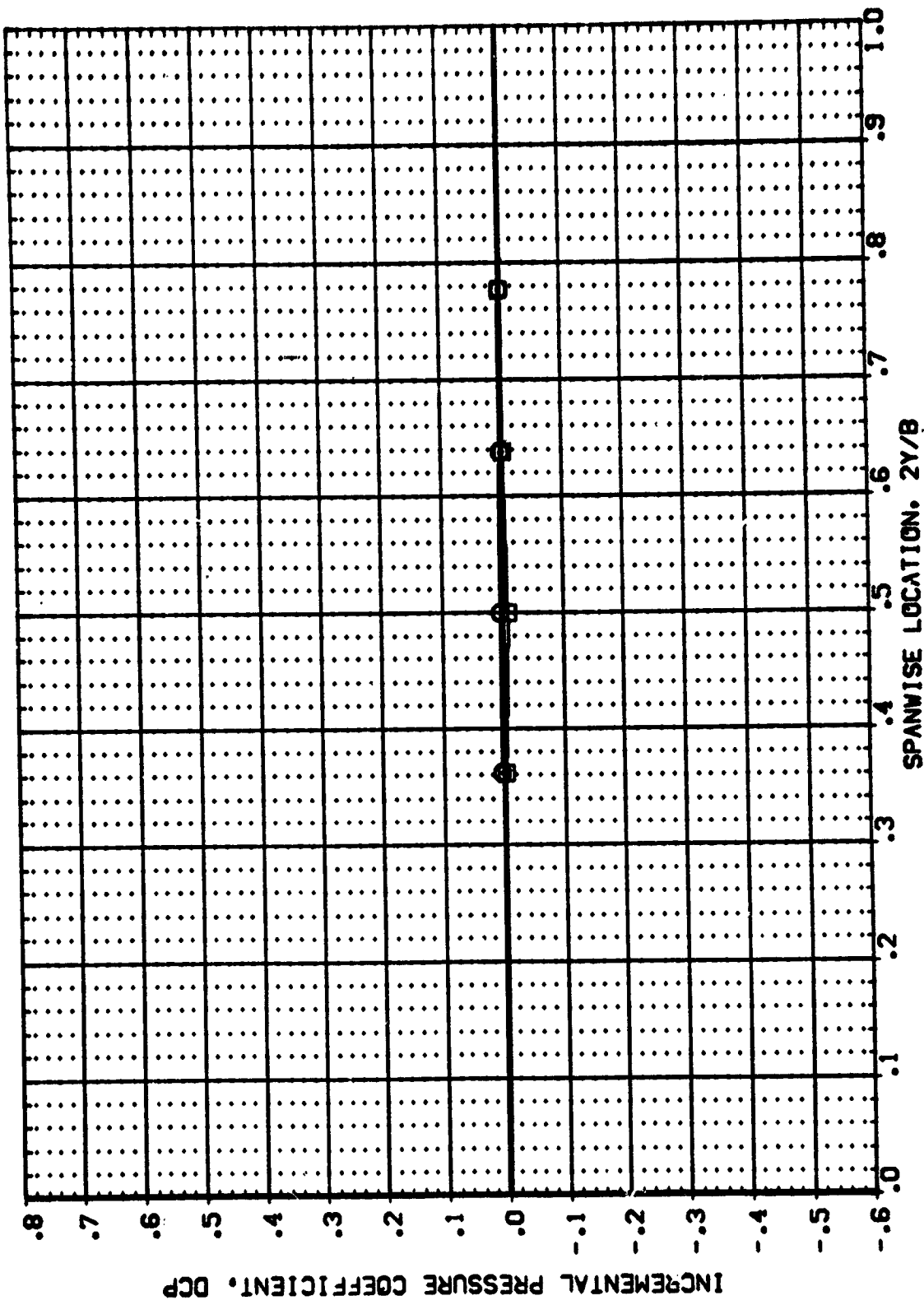


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 3.910 X/C = .500 PAGE 20C



DATA SET SYMBOL: (AF4L05) (AF4L05)   
 CONFIGURATION DESCRIPTION: IAGB { C1 F1 MI(1) } - { C1 F1 } UPPER WING   
 IAGB { C1 F1 MI(1) } - { C1 F1 } LOWER WING   
 ALPHA: .000   
 .000

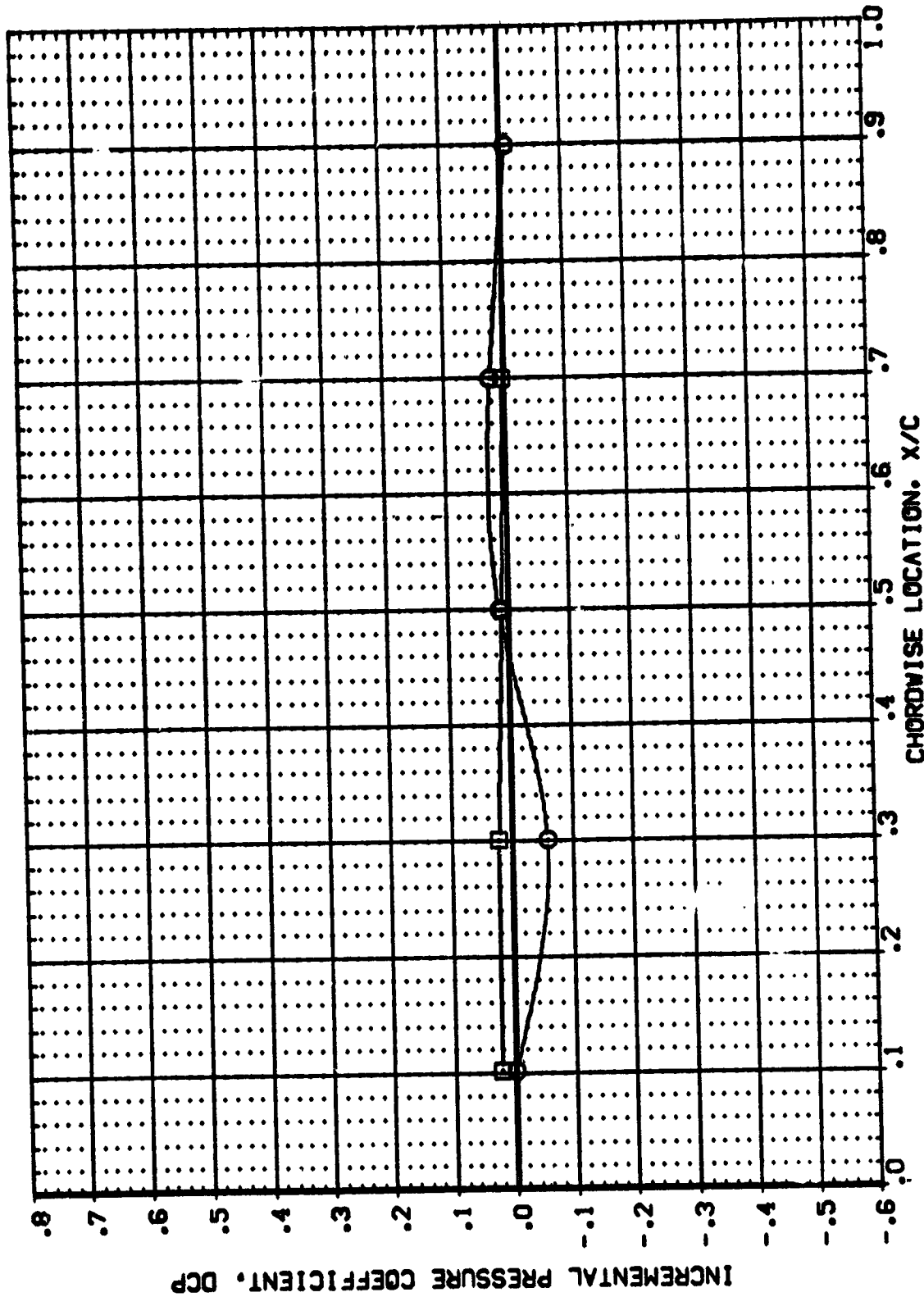


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -3.860 2Y/B = .500

ALPHA  
.000  
.000

DATA SET SYMBOL:  $\square$  CONFIGURATION DESCRIPTION: { C1 F1 } UPPER WING  
{ AF4LOS } { C1 F1 M111 } - { C1 F1 } LOWER WING

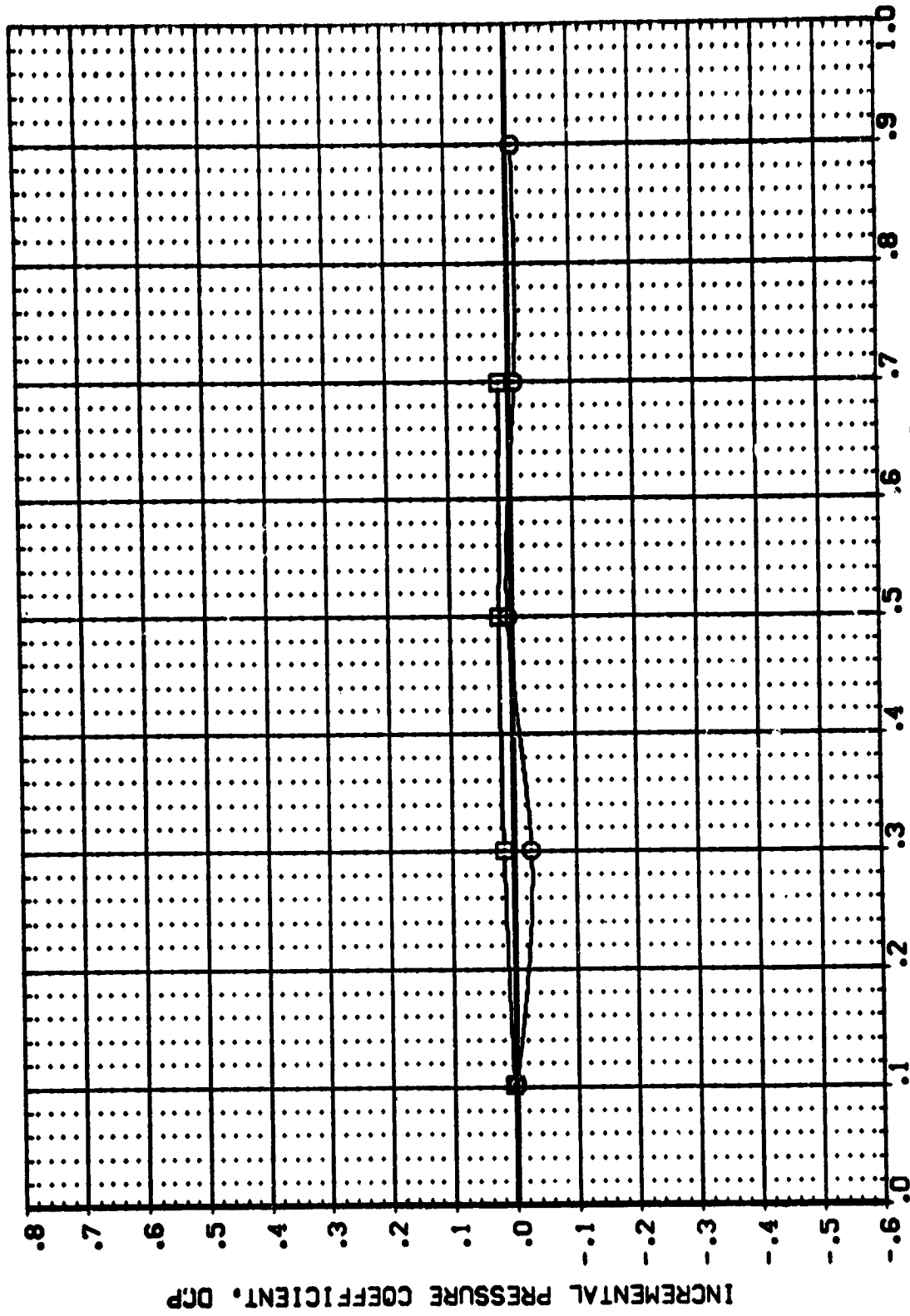


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -1.880 2Y/B = .500 PAGE 202



DATA SET SYMBOL:  $\square$  CONFIGURATION DESCRIPTION:  $\{ C_l F_l M_l \}$  -  $\{ C_l F_l \}$  UPPER WING  
 $\{ A F A L O S \}$   $\{ A F A L O S \}$   $\{ C_l F_l M_l \}$  -  $\{ C_l F_l \}$  LOWER WING  
 ALPHA: .000  
 .000

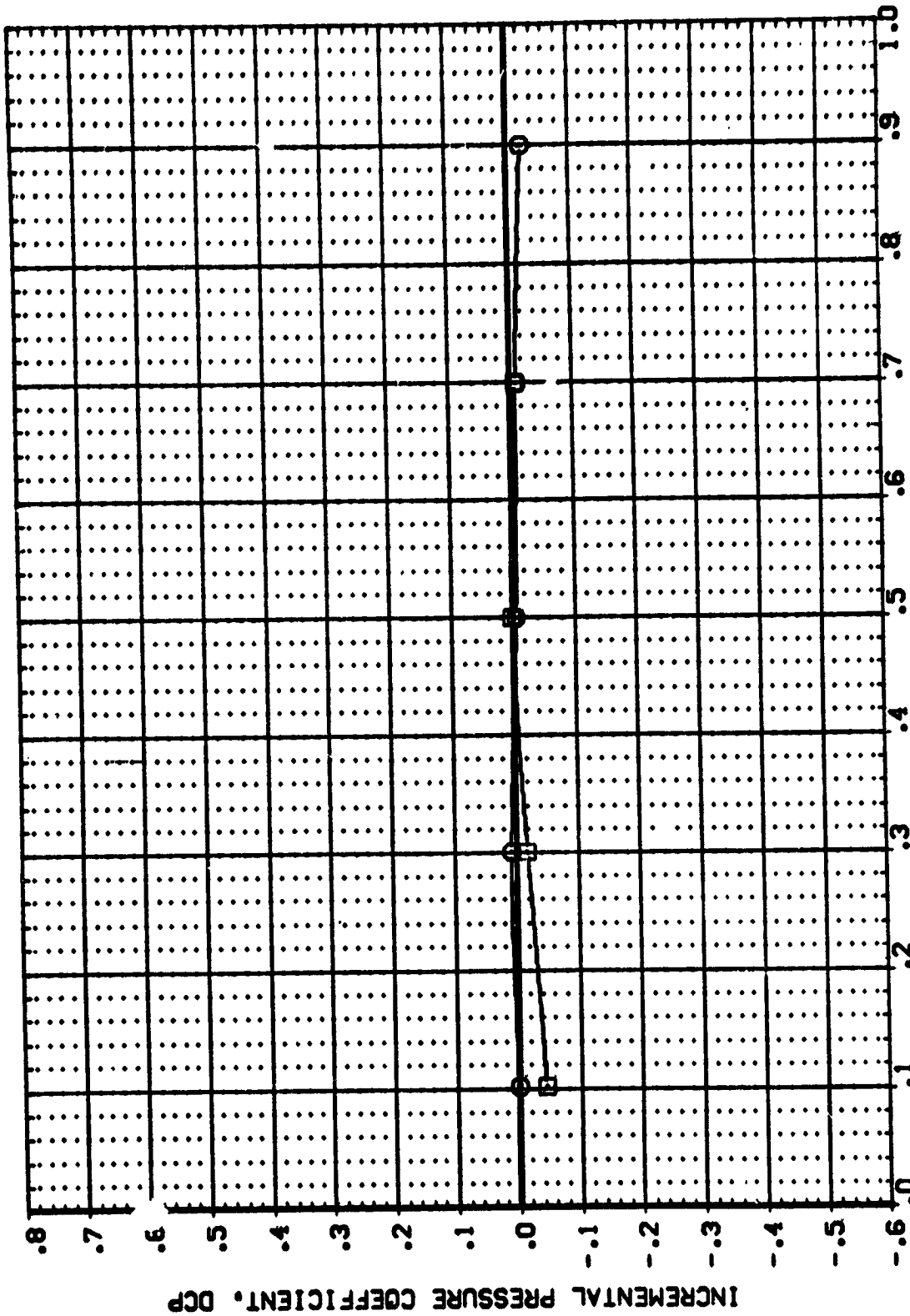


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS  
 MACH = .896 BETA = .030 2Y/B = .500  
 CHORDWISE LOCATION, X/C  
 PAGE 203

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATA SET SYMBOL: [AFALOS] [AFALOS] CONFIGURATION DESCRIPTION: [AGB (C1 F1 M11)] - [C1 F1] UPPER WING [AGB (C1 F1 M11)] - [C1 F1] LOWER WING ALPHA: .000 .000

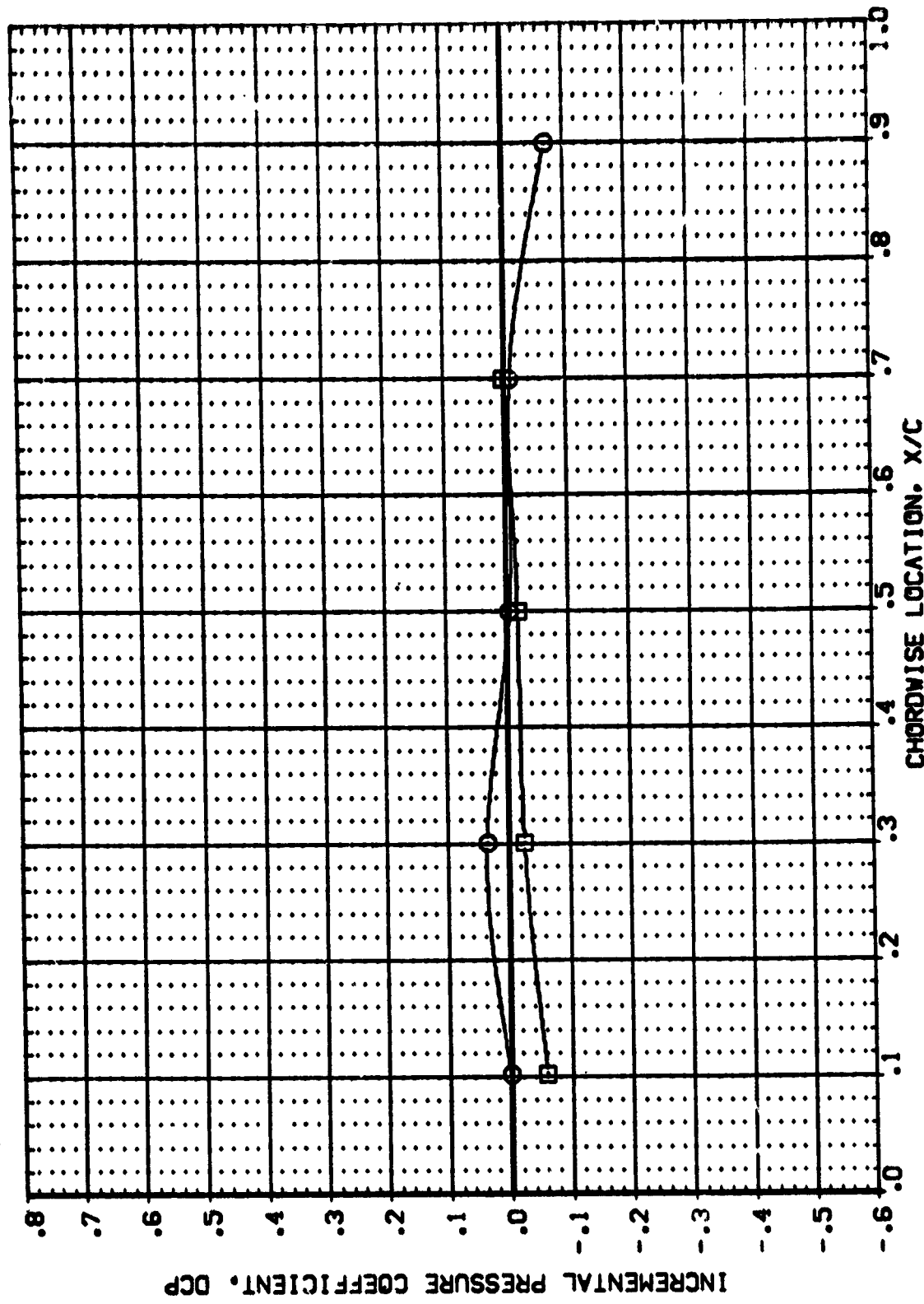


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 1.960 2Y/B = .500 PAGE 204



DATA SET SYMBOL: [AF4L05] [AF4L05] ALPHA: .000  
 CONFIGURATION DESCRIPTION: IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING  
 IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING

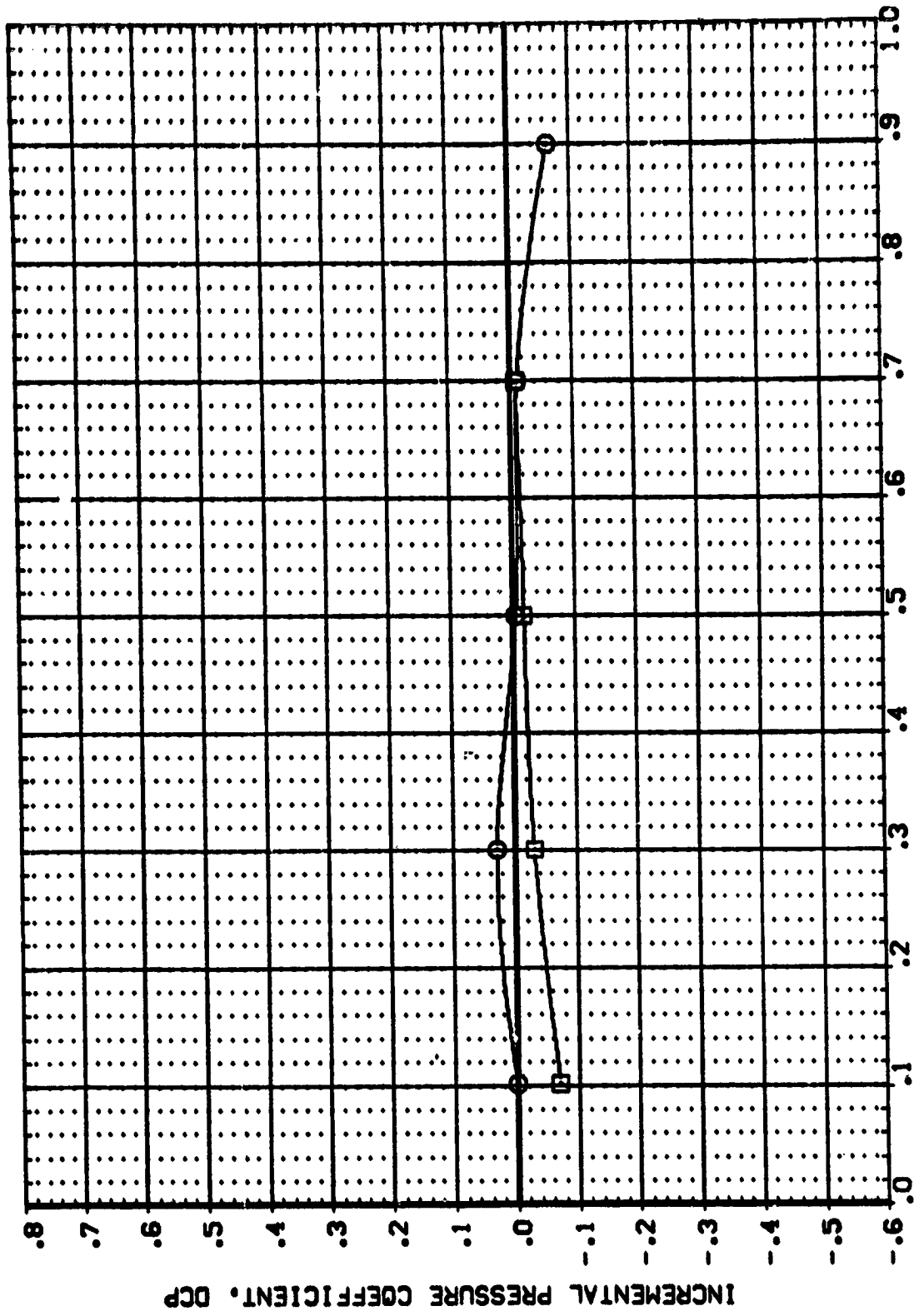


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 3.910 2Y/B = .500

ALPHA  
.000

DATA SET SYMBOL: [AF4LOS] [AF4LOS] [AF4LOS]  
CONFIGURATION DESCRIPTION: [C1 F1 M111] - [C1 F1] UPPER WING  
[C1 F1 M111] - [C1 F1] LOWER WING

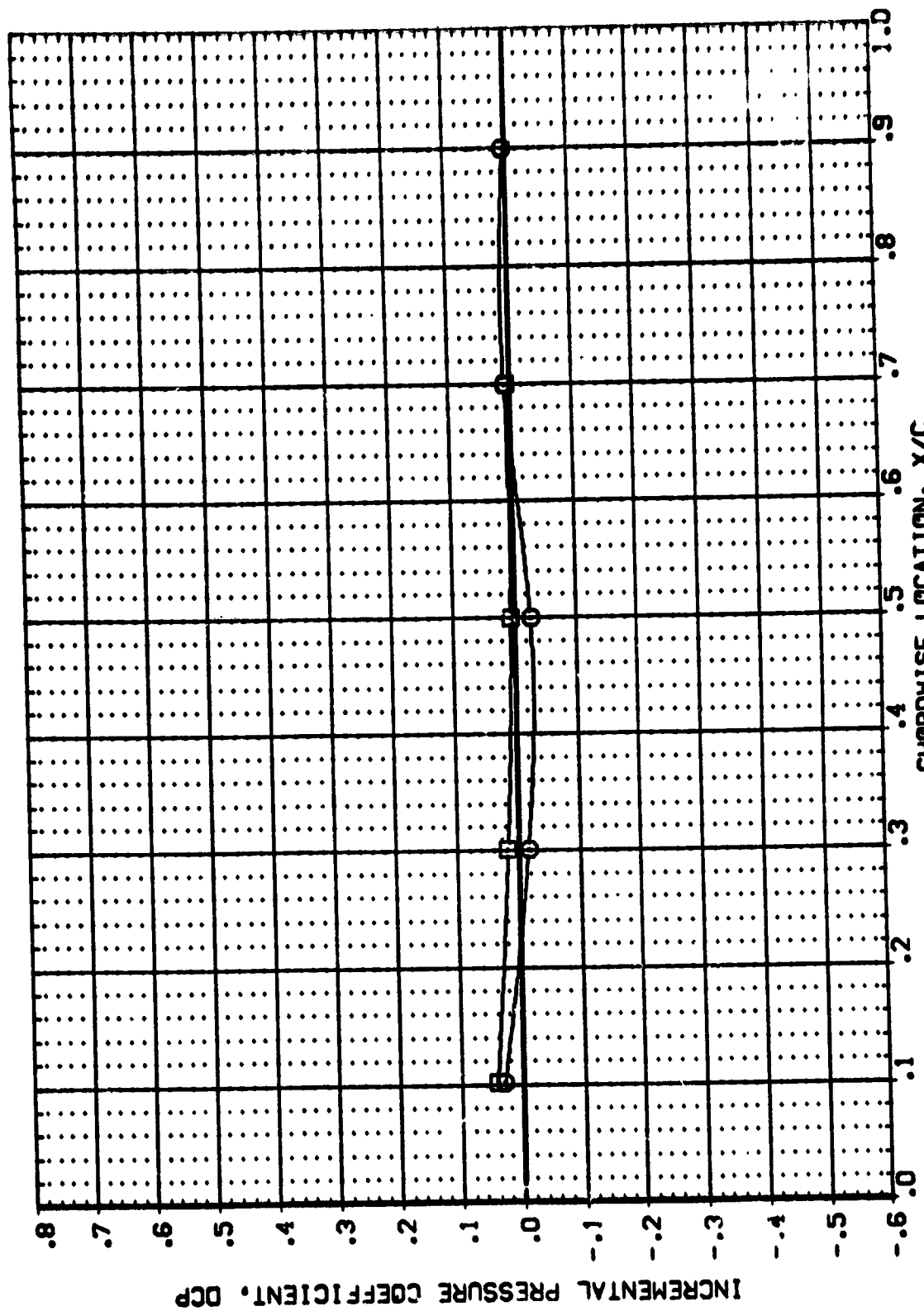


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

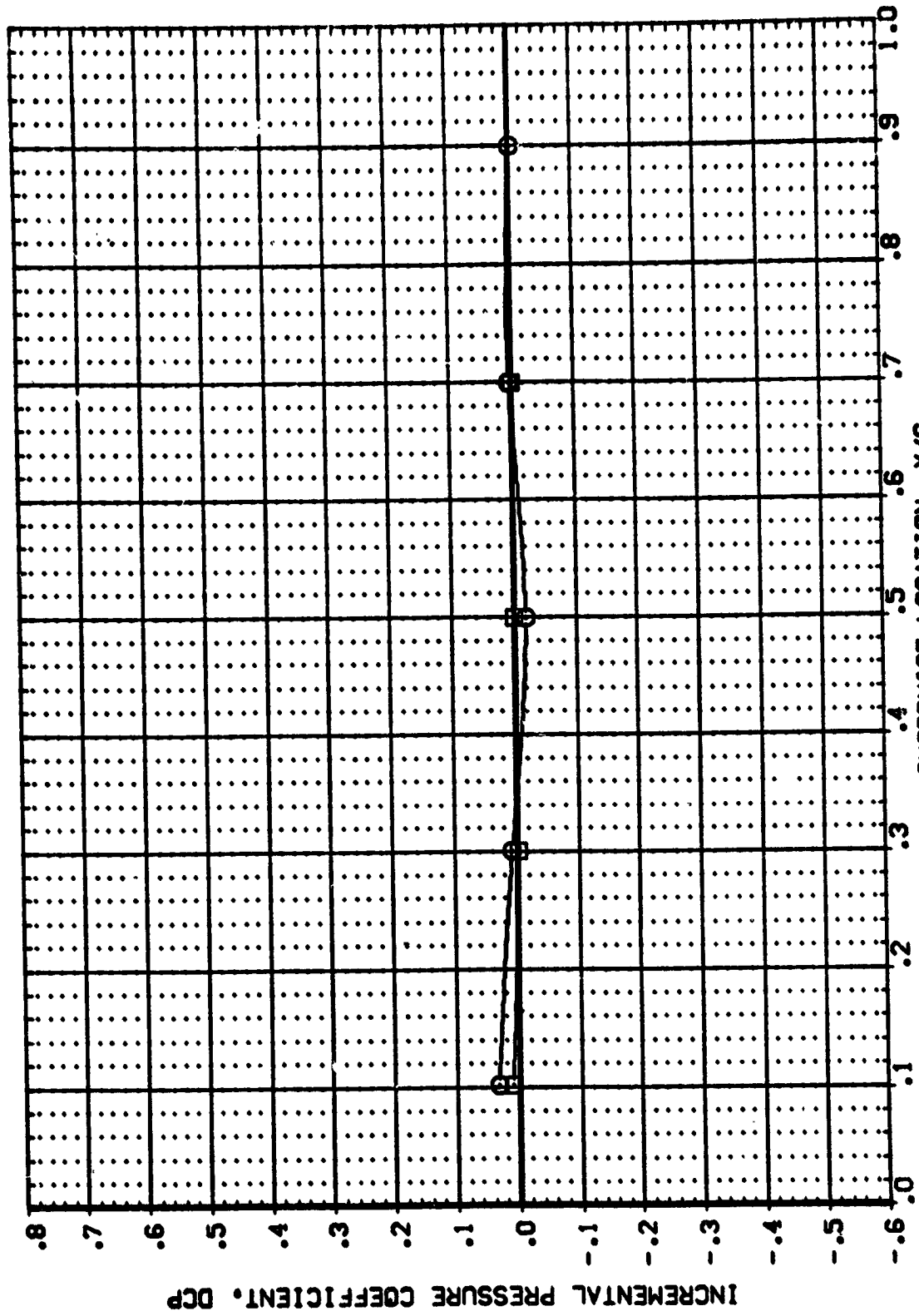
MACH = 1.209 BETA = -3.860 2Y/B = .500





ALPHA  
.000  
.000

DATA SET SYMBOL: [AF4L05] [AF4L05] }  
CONFIGURATION DESCRIPTION: [AGB] [CFI] [M(1)] } - [CFI] } UPPER WING  
[AGB] [CFI] [M(1)] } - [CFI] } LOWER WING



CHORDWISE LOCATION, X/C

FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = -1.950 2Y/B = .500

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



DATA SET SYMBL. CONFIGURATION DESCRIPTION ALPHA  
 [AF4LOS] 1A68 { C1 F1 MI(1) } - { C1 F1 } UPPER WING .000  
 [AF4LOS] 1A68 { C1 F1 MI(1) } - { C1 F1 } LOWER WING .000

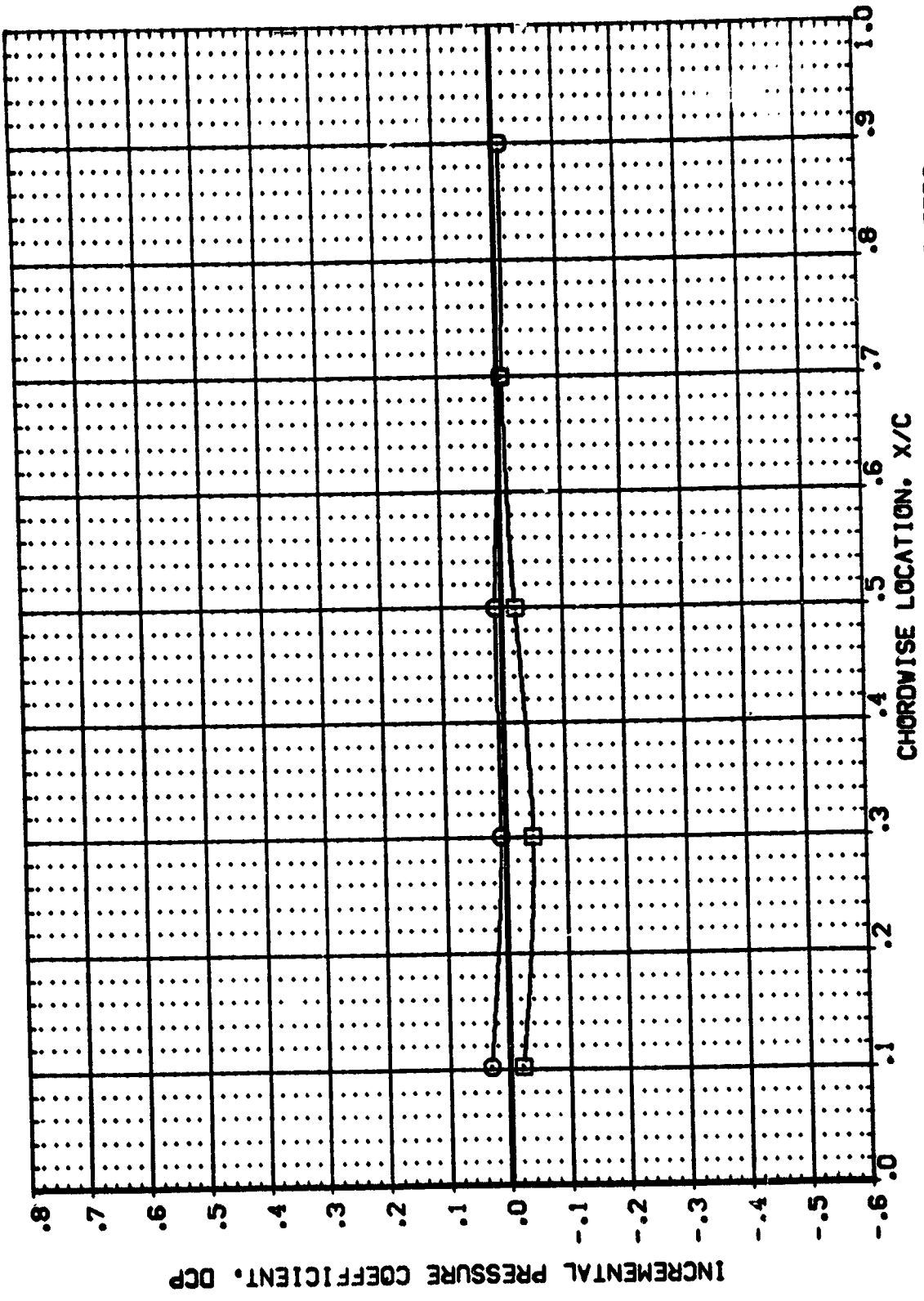


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = -.040 2Y/B = .500 PAGE 208



DATA SET SYMBOL. CONFIGURATION DESCRIPTION ALPHA  
 {AF4LOS} 1A88 {C1 F1 M1(1)} - {C1 F1} UPPER WING .000  
 {AF4LOS} 1A88 {C1 F1 M1(1)} - {C1 F1} LOWER WING .000

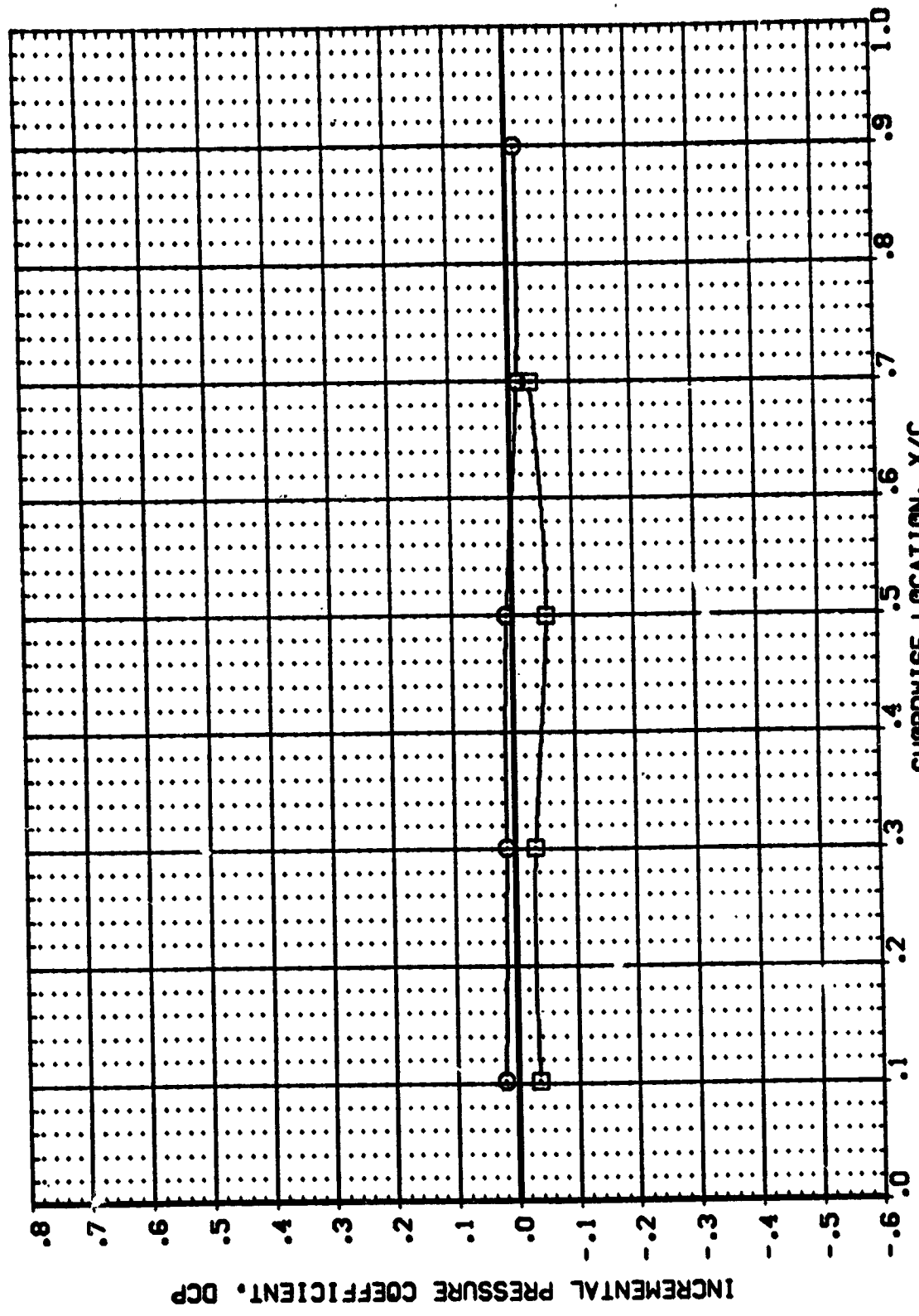


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.203 BETA = 1.870 2Y/B = .500 PAGE 209



DATA SET SYMBOL: (AF4LOS) (AF4LOS) ALPHA: .000 .000  
 CONFIGURATION DESCRIPTION: 1A58 ( C1 F1 M1(1) ) - ( C1 F1 ) UPPER WING  
 1A58 ( C1 F1 M1(1) ) - ( C1 F1 ) LOWER WING

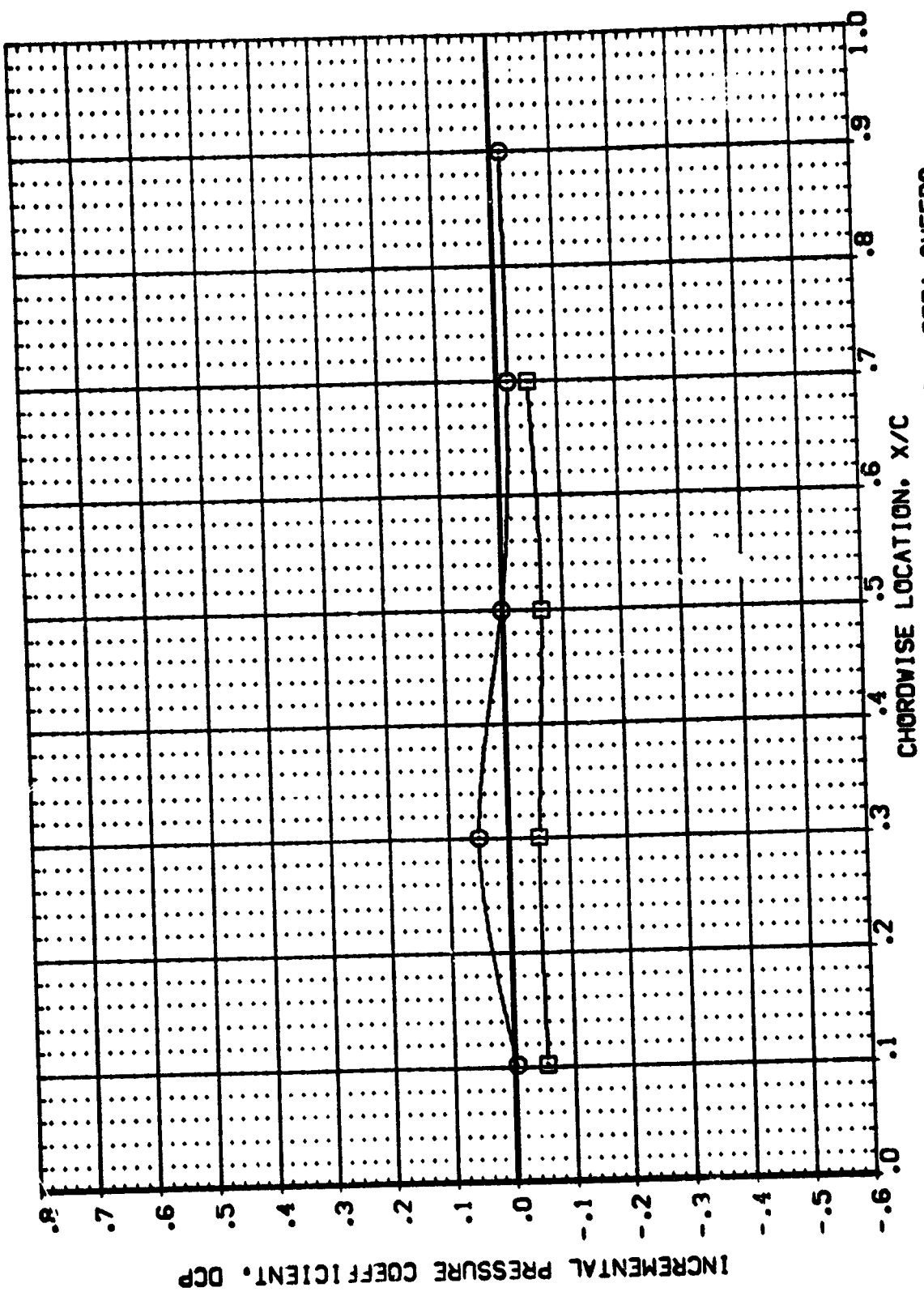


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = 3.920 2Y/B = .500



ALPHA  
.000  
.000

DATA SET SYMB. CONFIGURATION DESCRIPTION  
{ AF4L05 } [ ASB { C1 F1 MI(1) } - { C1 F1 } ] UPPER WING  
{ AF4L05 } [ ASB { C1 F1 MI(1) } - { C1 F1 } ] LOWER WING

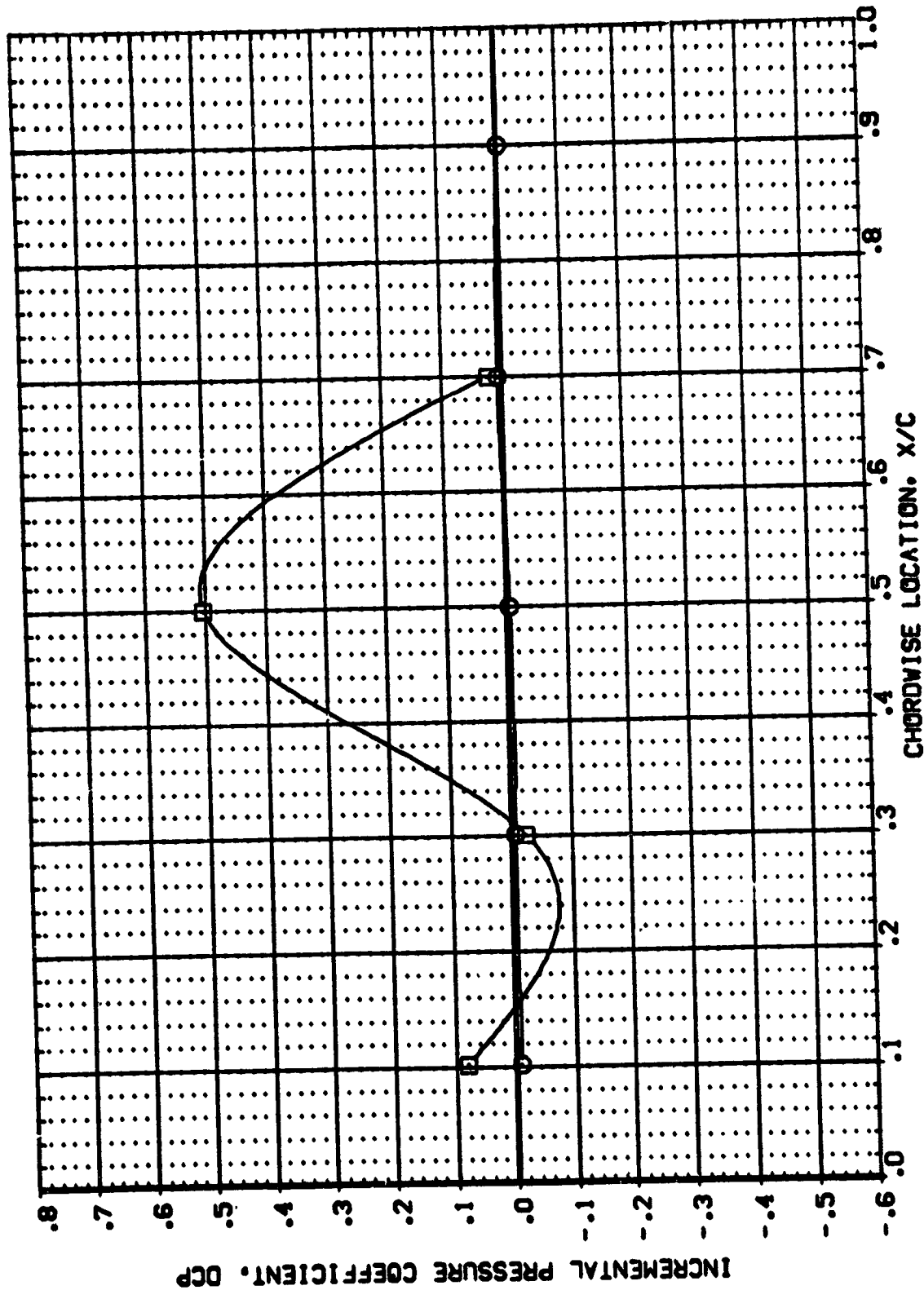


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS  
MACH = 1.503 BETA = -3.970 2Y/B = .500  
CHORDWISE LOCATION, X/C  
PAGE 21:

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



DATA SET SYMBOL: [AFAL05] [AFAL05] ALPHA .000 .000

CONFIGURATION DESCRIPTION: [AGB (C) F] M(1) } - (C) F1 } UPPER WING  
 [AGB (C) F] M(1) } - (C) F1 } LOWER WING

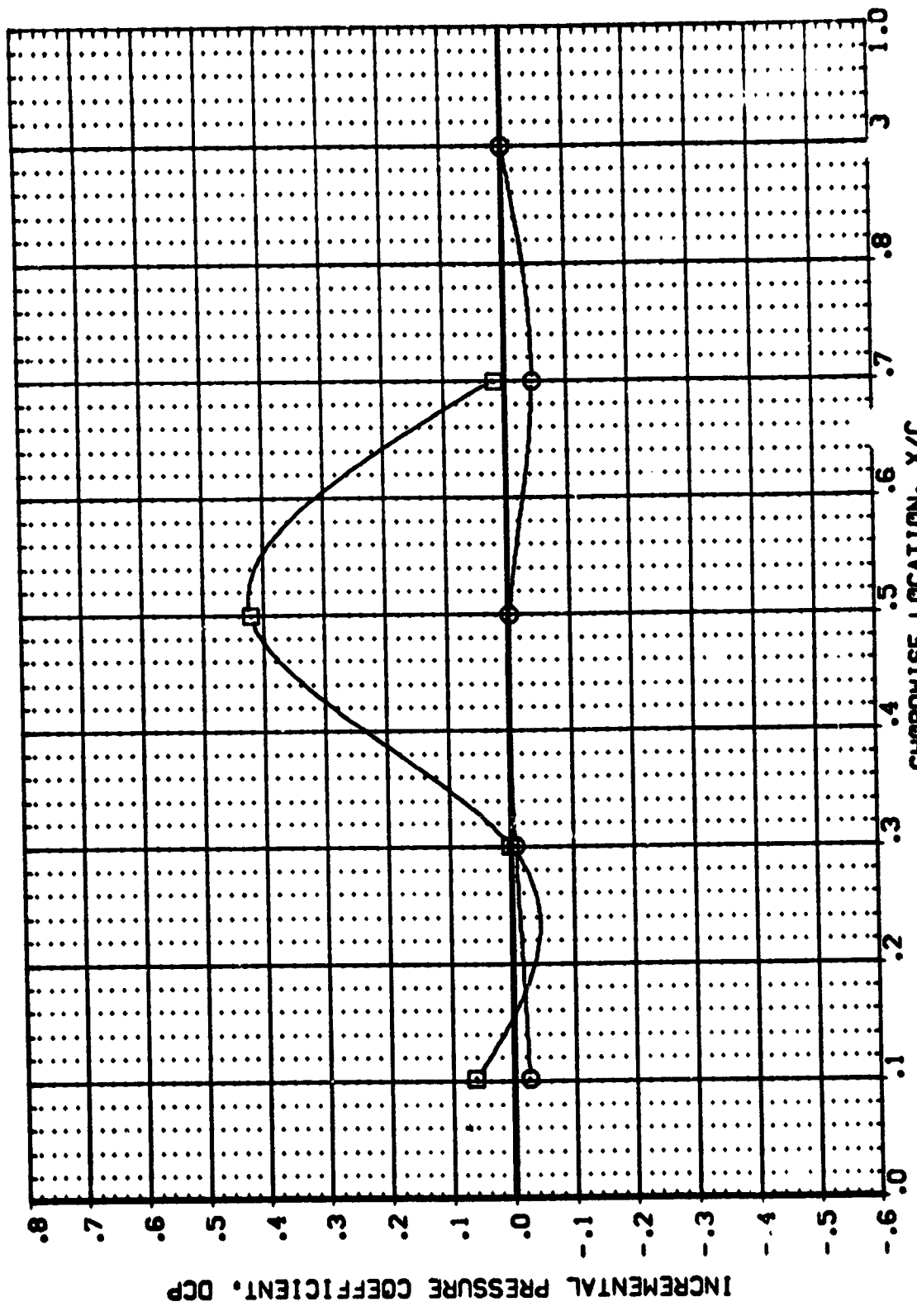


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = -2.050 2Y/B = .500



DATA SET SYMBOL:  (AF4LOS)    CONFIGURATION DESCRIPTION: { CI FI MI(1) } - { CI FI } UPPER WING  
 (AF4LOS)    { CI FI MI(1) } - { CI FI } LOWER WING

ALPHA: .000  
 .000

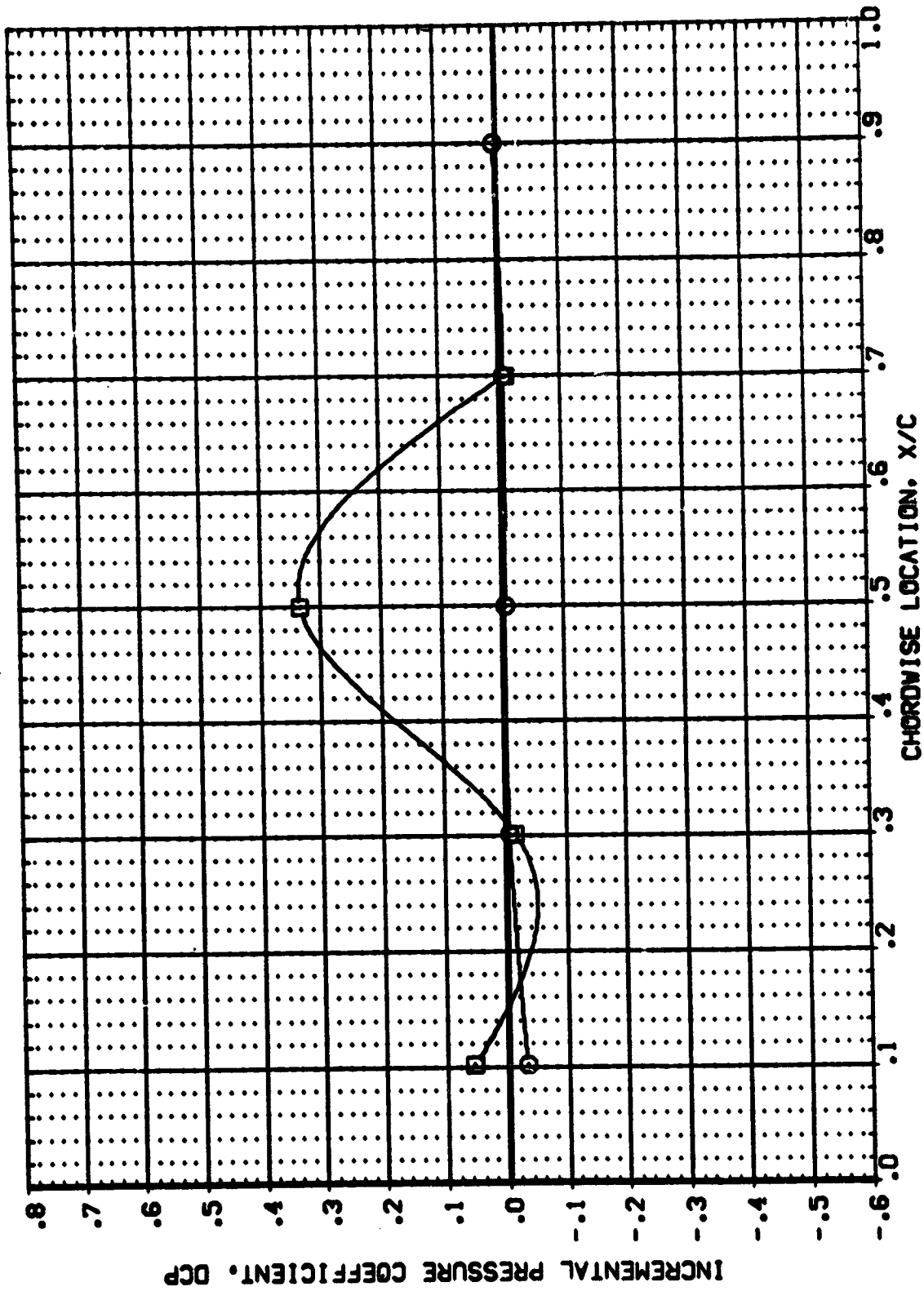


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503    BETA = -0.130    2Y/B = .500



ALPHA  
.000  
.000

DATA SET SYMBOL:  $\square$  CONFIGURATION DESCRIPTION: { C1 F1 MI(1) } - { C1 F1 } UPPER WING  
{ AFB } { C1 F1 MI(1) } - { C1 F1 } LOWER WING

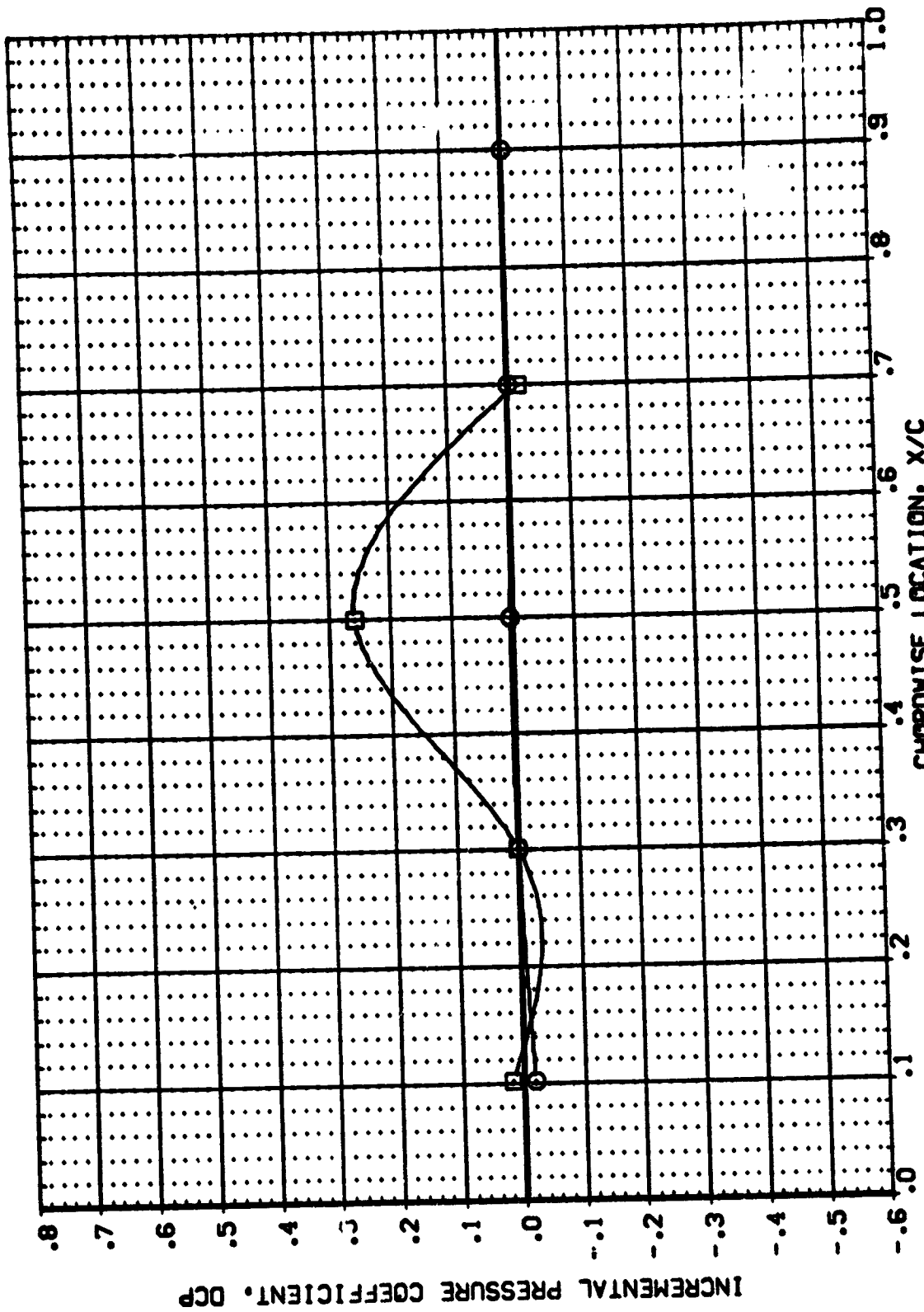


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = 1.800 2Y/B = .500





DATA SET SYMBOL: [AFALOS] [AFALOS] }  
 CONFIGURATION DESCRIPTION: [AGB { C1 F1 M1(1) } - { C1 F1 } UPPER WING }  
 [AGB { C1 F1 M1(1) } - { C1 F1 } LOWER WING }

ALPHA: .000  
 .000

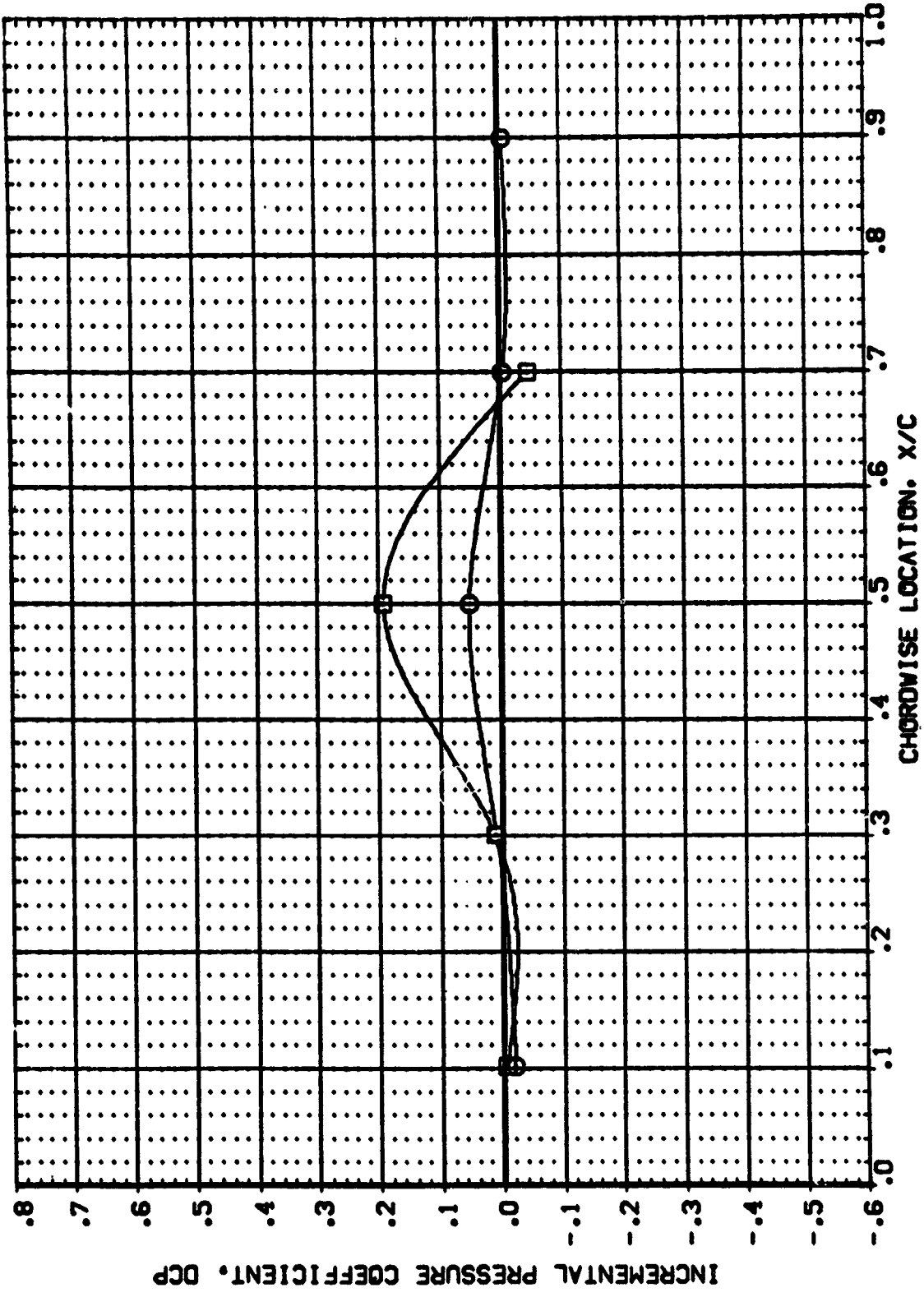


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = 3.840 2Y/B = .500



ALPHA  
.000  
.000

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
{ AF4LOS } 1ASB { C1 F1 M1(1) } - { C1 F1 } UPPER WING  
{ AF4LOS } 1ASB { C1 F1 M1(1) } - { C1 F1 } LOWER WING

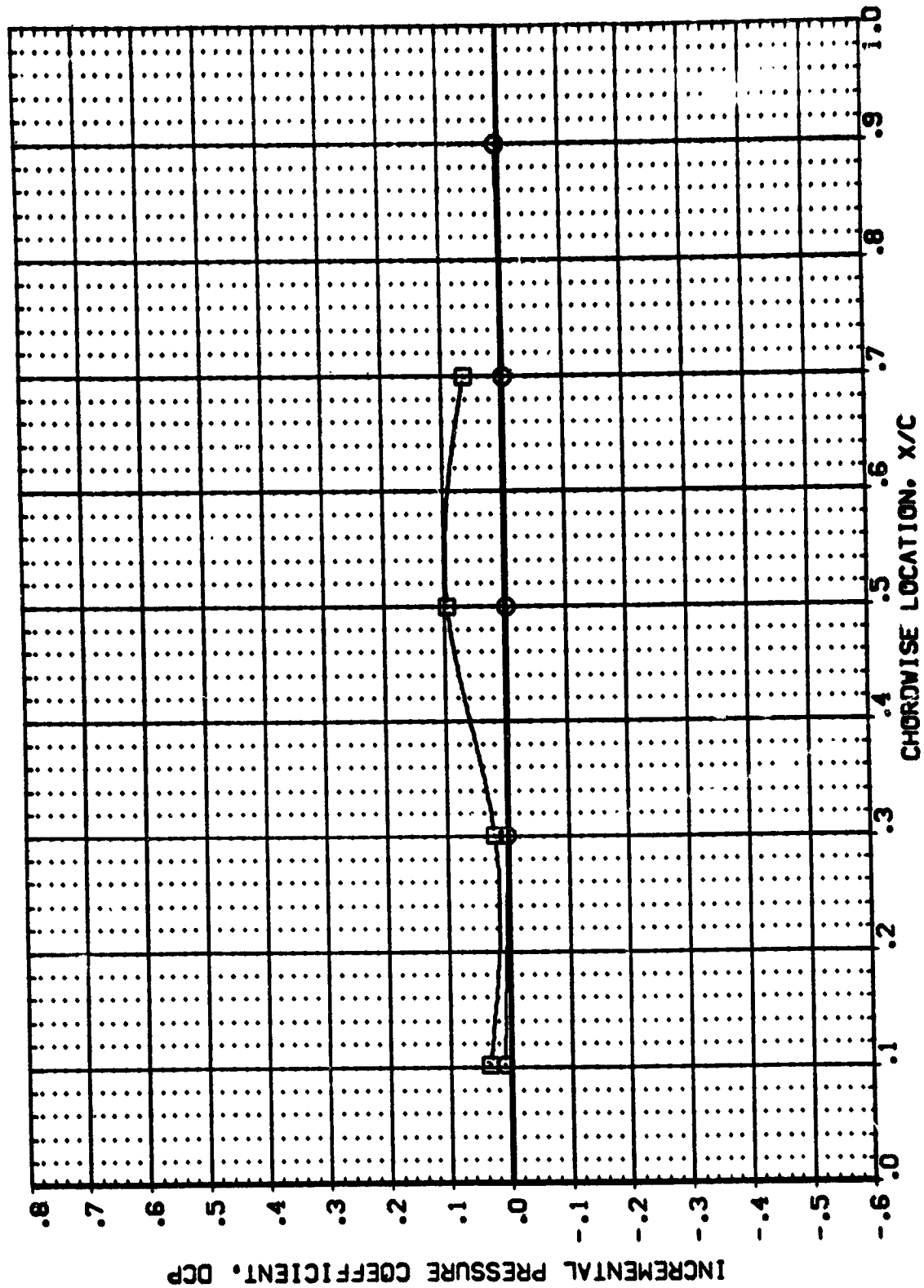


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = -3.790 2Y/B = .500 PAGE 216



ALPHA  
.000  
.000

DATA SET SYMB. CONFIGURATION DESCRIPTION  
(AF4LOS) IASB (C1 F1 MI(1)) - (C1 F1) UPPER WING  
(AF4LOS) IASB (C1 F1 MI(1)) - (C1 F1) LOWER WING

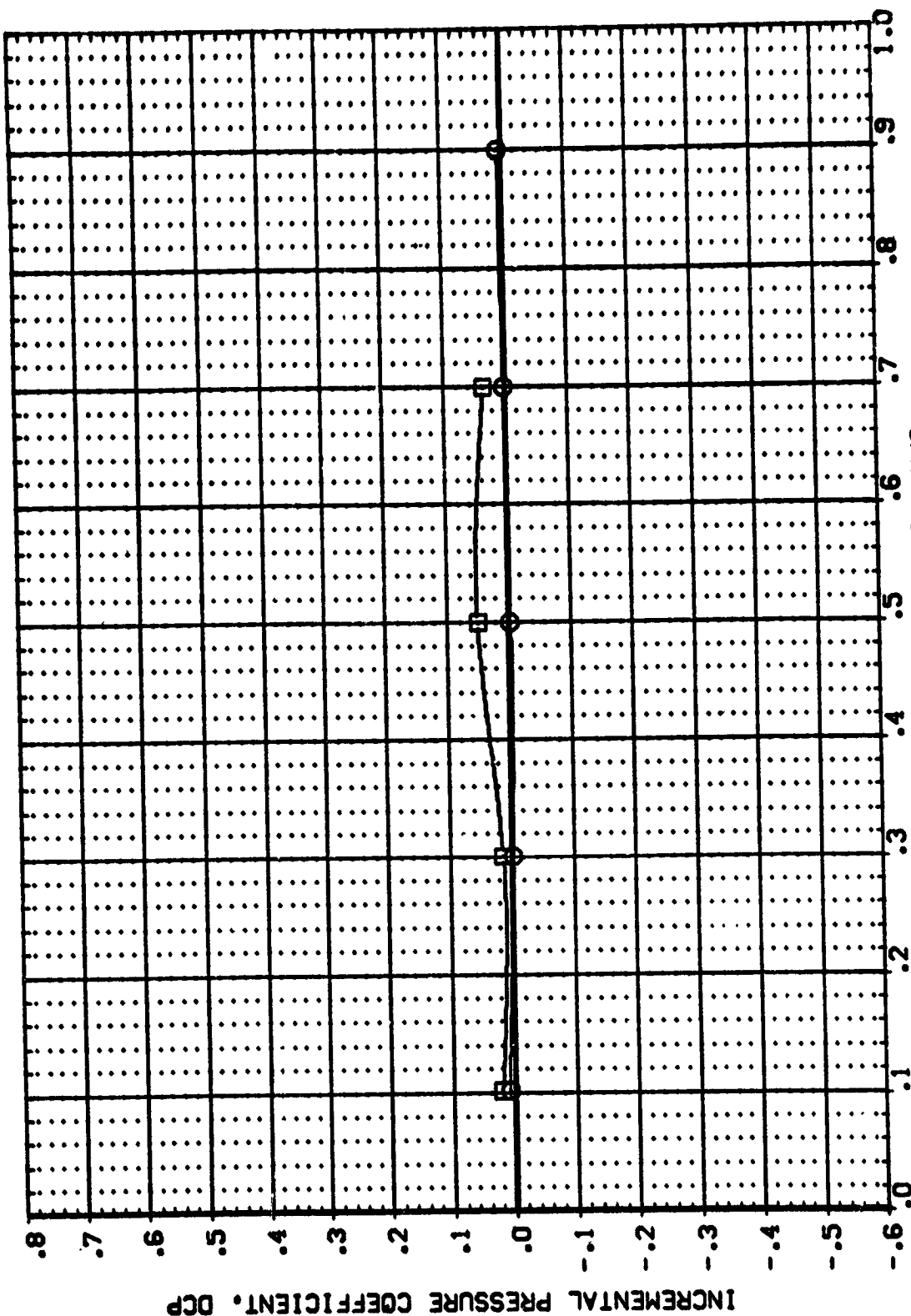


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = -1.870 2Y/B = .500 PAGE 217



ALPHA  
.000  
.000

DATA SET SYMBOL: □ CONFIGURATION DESCRIPTION:  
(AF4LOS) 1A68 (C1 F1 M1(1)) - (C1 F1) UPPER WING  
(AF4LOS) 1A68 (C1 F1 M1(1)) - (C1 F1) LOWER WING

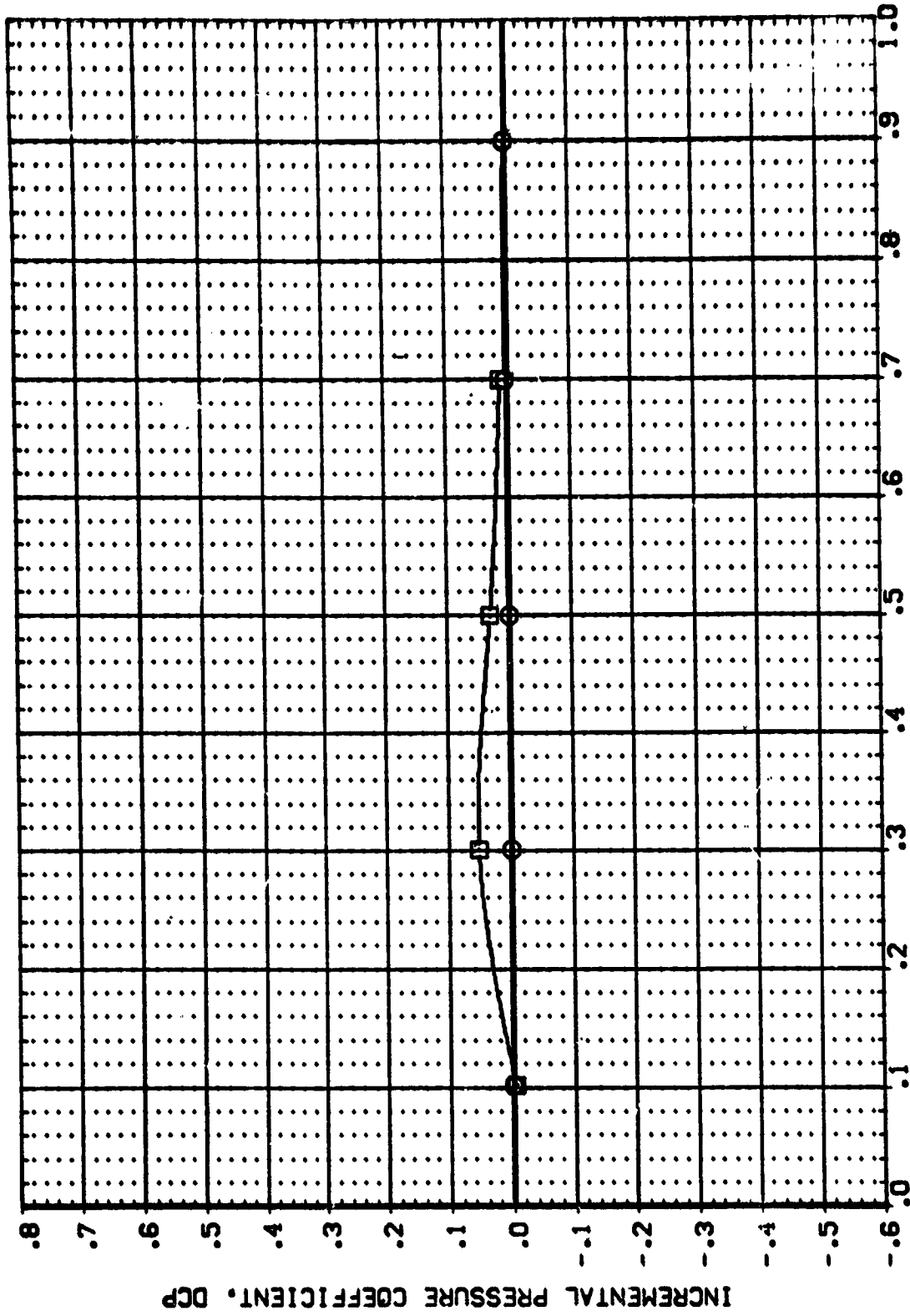


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = -0.010 2Y/B = .500



ALPHA  
.000  
.000

DATA SET SYMBOL: [AF4LOS] [AF4LOS]  
CONFIGURATION DESCRIPTION: [ASB { CI FI MI(1) } - { CI FI } UPPER WING] [ASB { CI FI MI(1) } - { CI FI } LOWER WING]

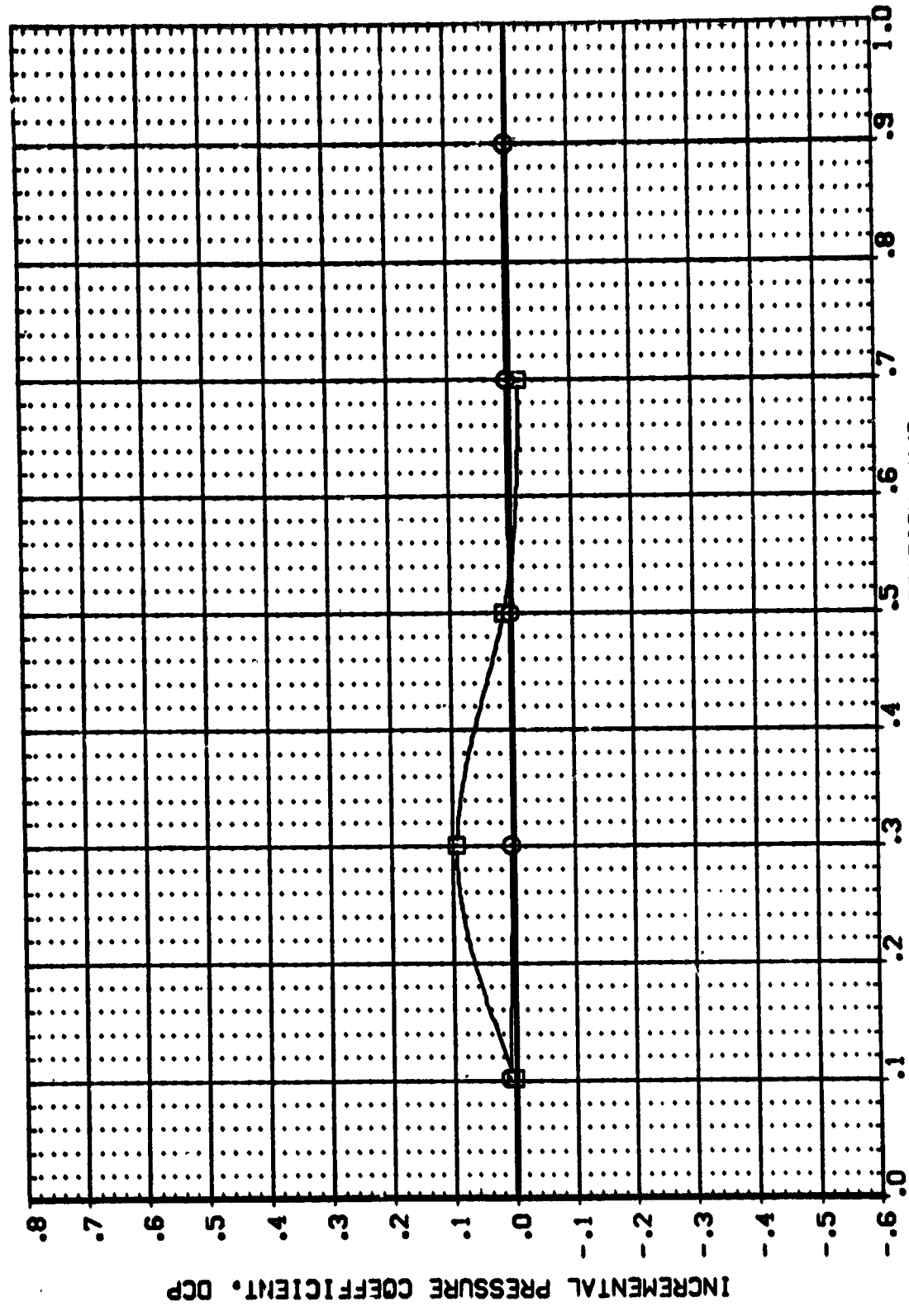


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 1.950 2Y/B = .500 PAGE 219

DATA SET SYMBL. CONFIGURATION DESCRIPTION ALPHA  
 [AF4LOS] [AGB { C1 F1 MI(1) } - { C1 F1 } UPPER WING .000  
 [AF4LOS] [AGB { C1 F1 MI(1) } - { C1 F1 } LOWER WING .000

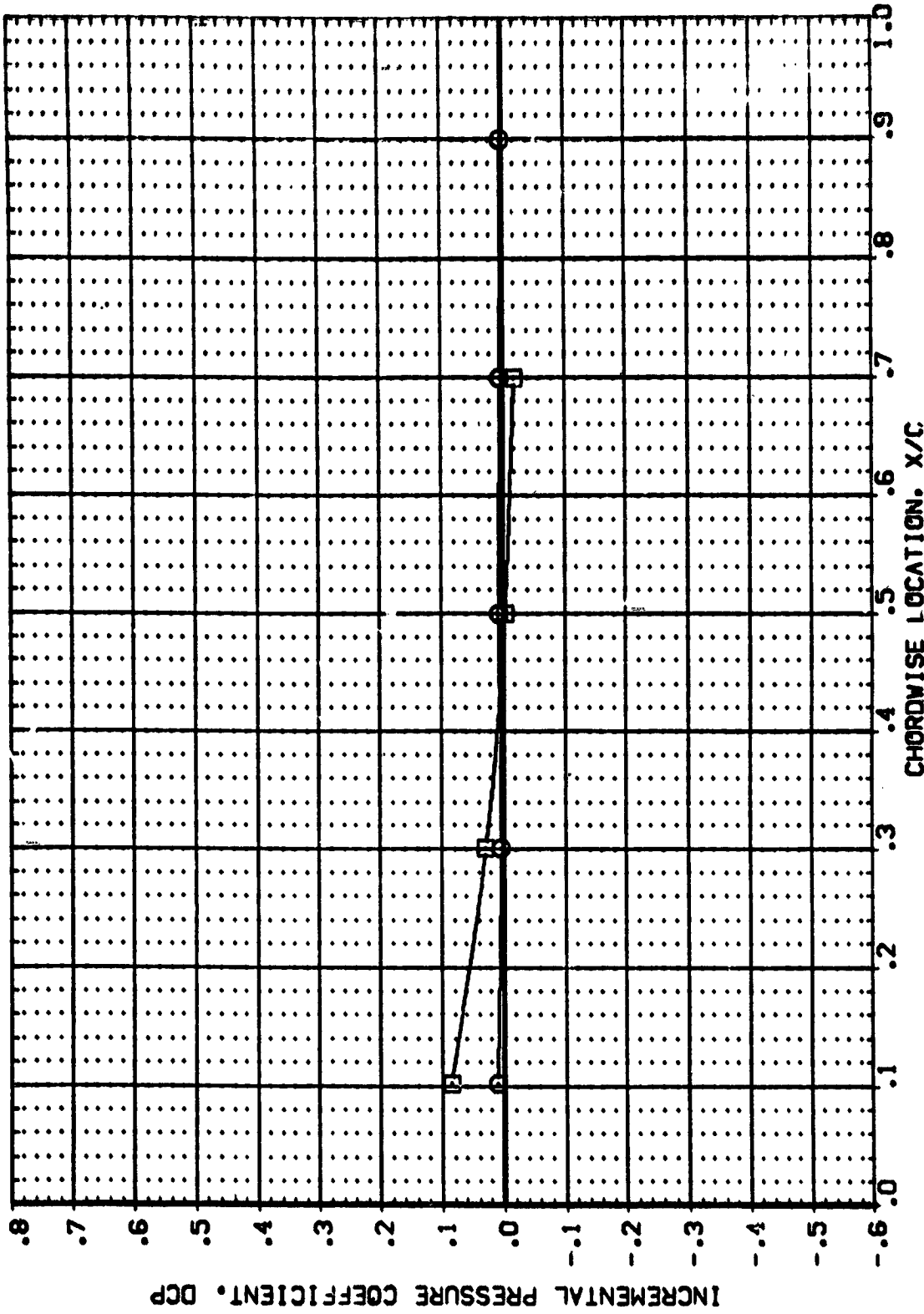


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 3.790 2Y/B = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION ALPHA  
 (AF4LOS) [AF4LOS] IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING .000  
 (AF4LOS) [AF4LOS] IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING .000

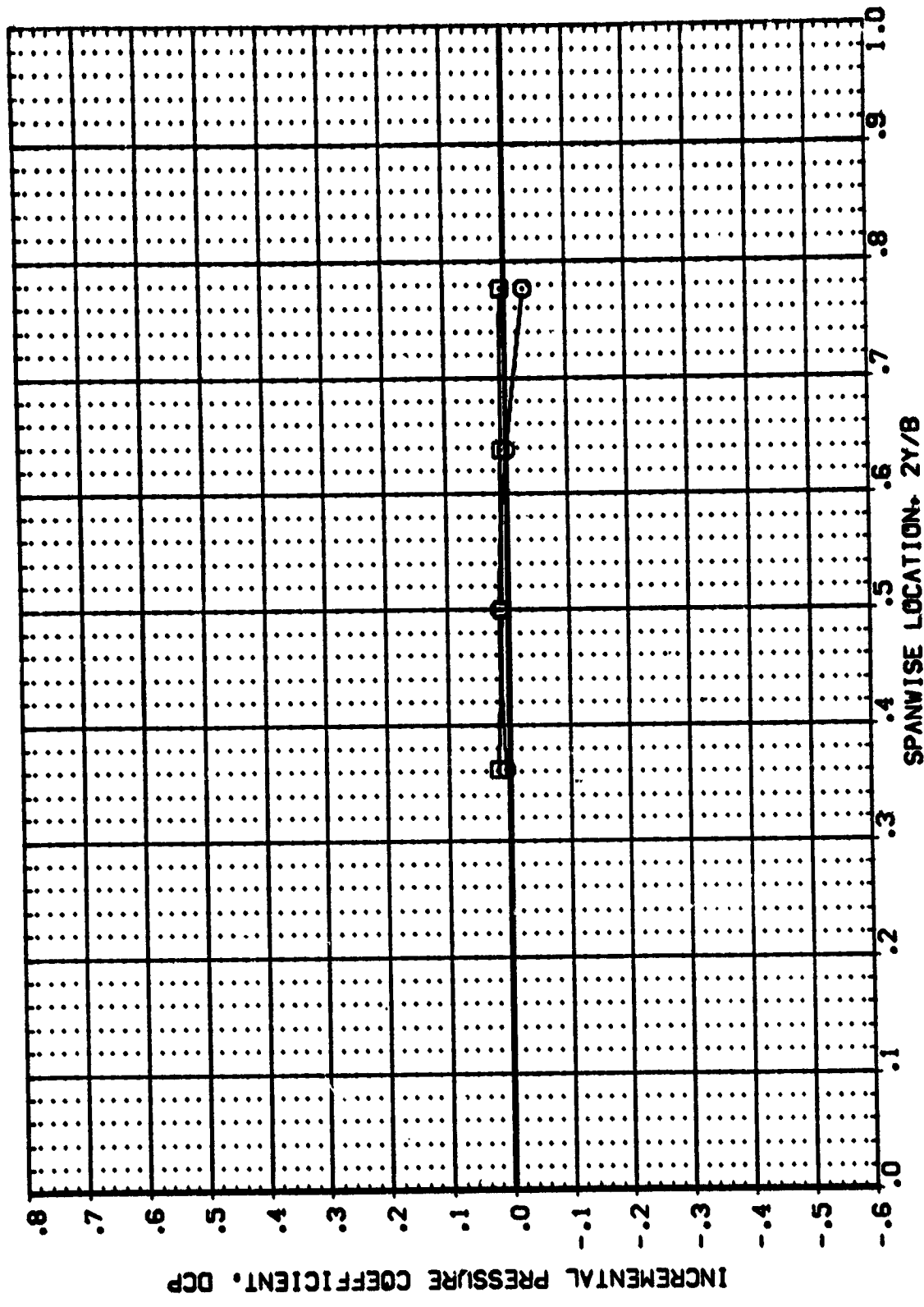


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -3.860 X/C = .500 PAGE 22:

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DATA SET SYMBO. CONFIGURATION DESCRIPTION ALPHA  
 { AF4LOS } 1A68 { C1 F1 MI(1) } - { C1 F1 } UPPER WING .000  
 { AF4LOS } 1A68 { C1 F1 MI(1) } - { C1 F1 } LOWER WING .000

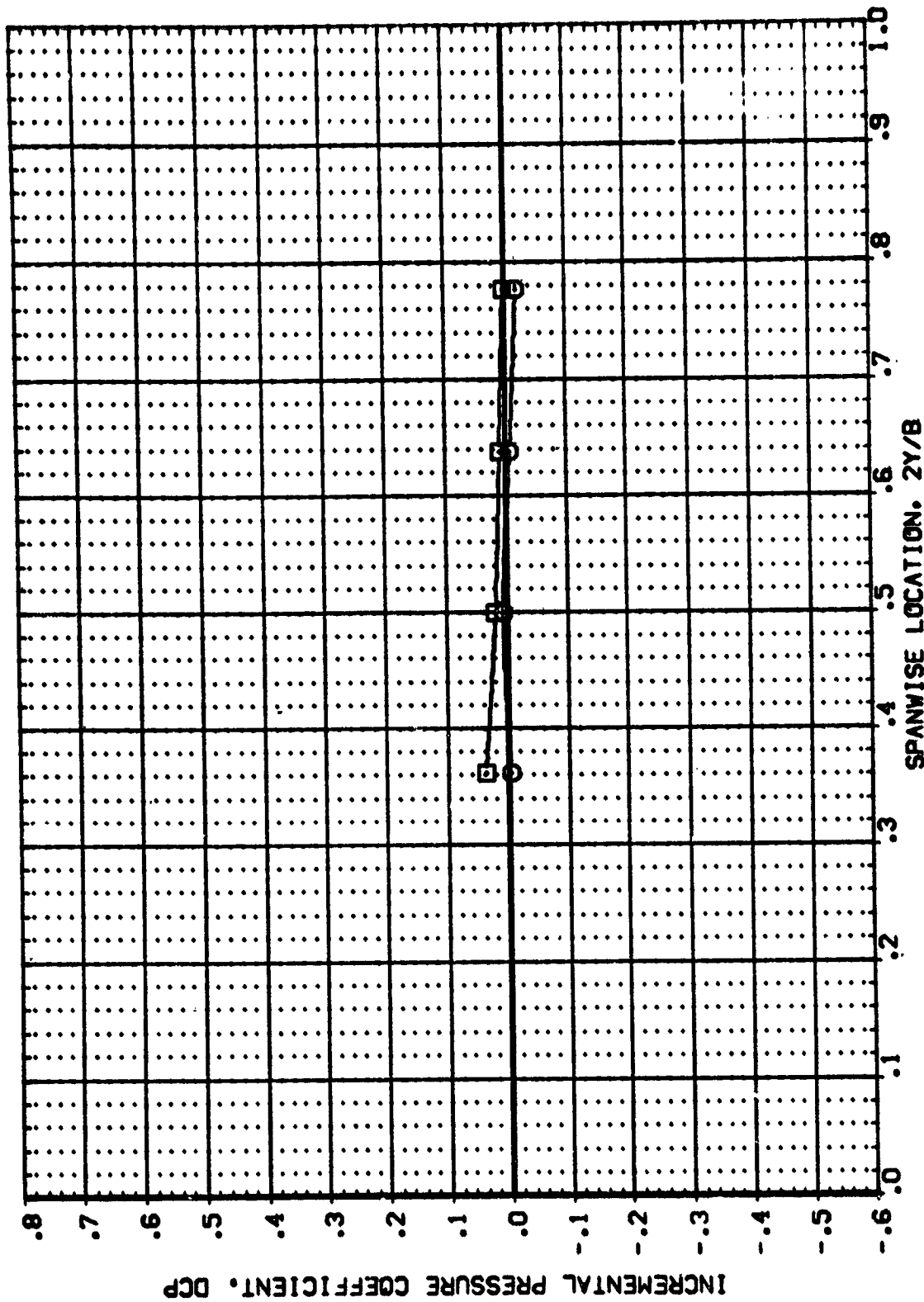


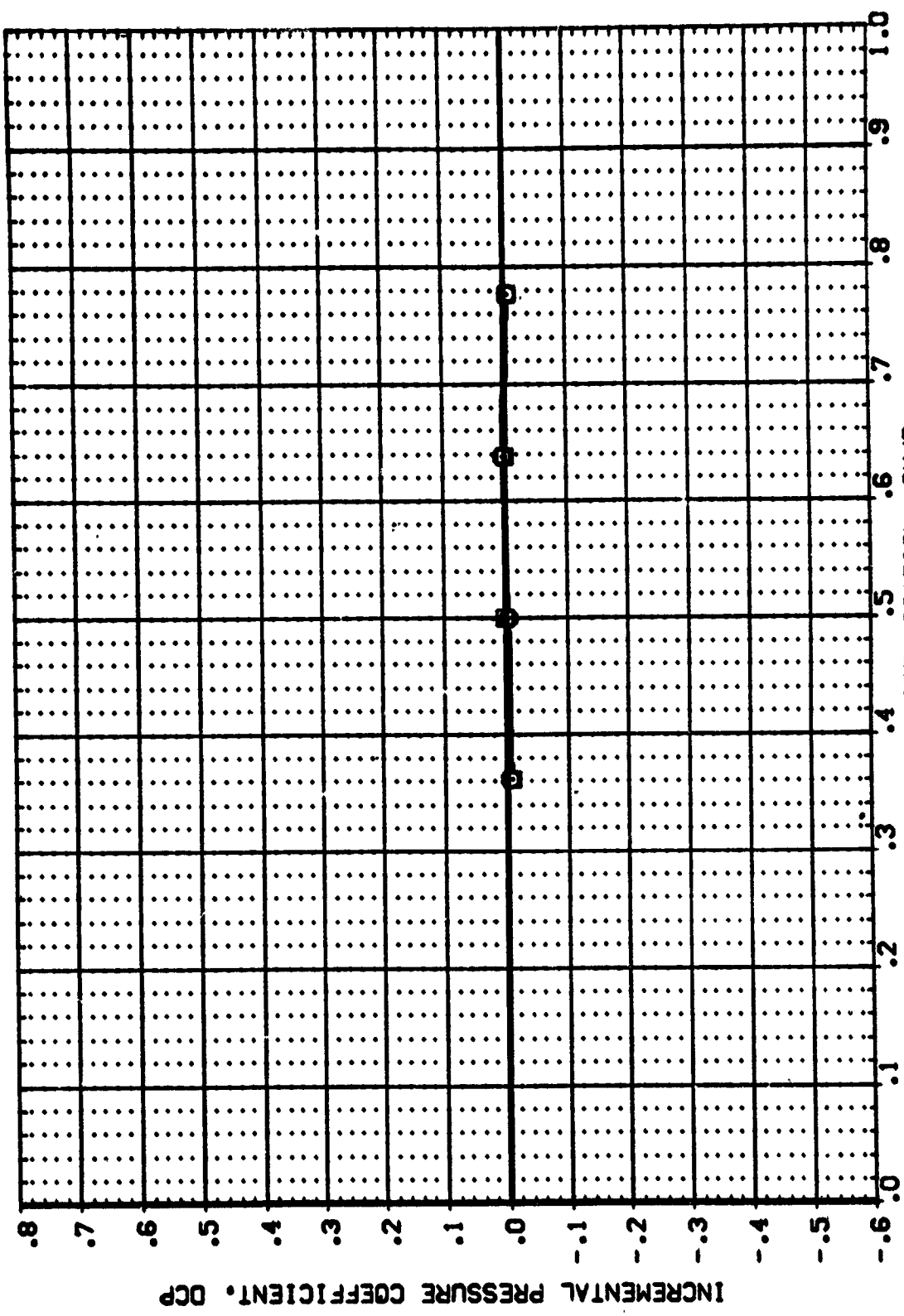
FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -1.880 X/C = .500





DATA SET SYMBO. CONFIGURATION DESCRIPTION ALPHA  
 {AF4LOS} IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING .000  
 {AF4LOS} IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING .000



SPANWISE LOCATION, 2Y/B  
 FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

DATA SET SYMBOL: [AF4L05] [AF4L05]   
 CONFIGURATION DESCRIPTION: 1A88 { C1 F1 M1(1) } - { C1 F1 } UPPER WING   
 1A89 { C1 F1 M1(1) } - { C1 F1 } LOWER WING

ALPHA: .000   
 .000

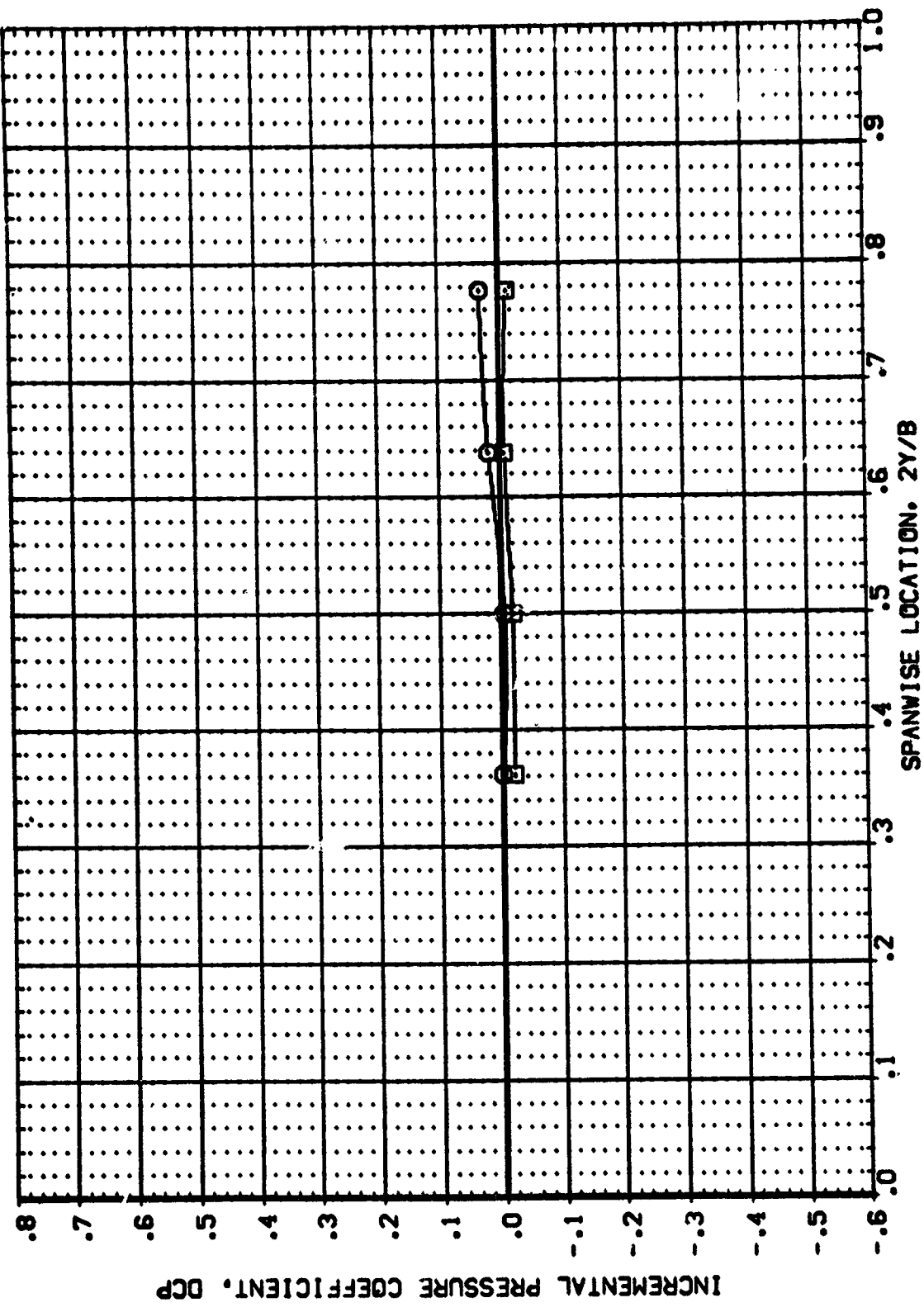


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 1.960 X/C = .500



DATA SET SYMBOL: [AFAL05] [AFAL05] ALPHA: .000  
 CONFIGURATION DESCRIPTION: [AGB { C1 F1 MI(1) } - { C1 F1 } UPPER WING  
 [AGB { C1 F1 MI(1) } - { C1 F1 } LOWER WING]

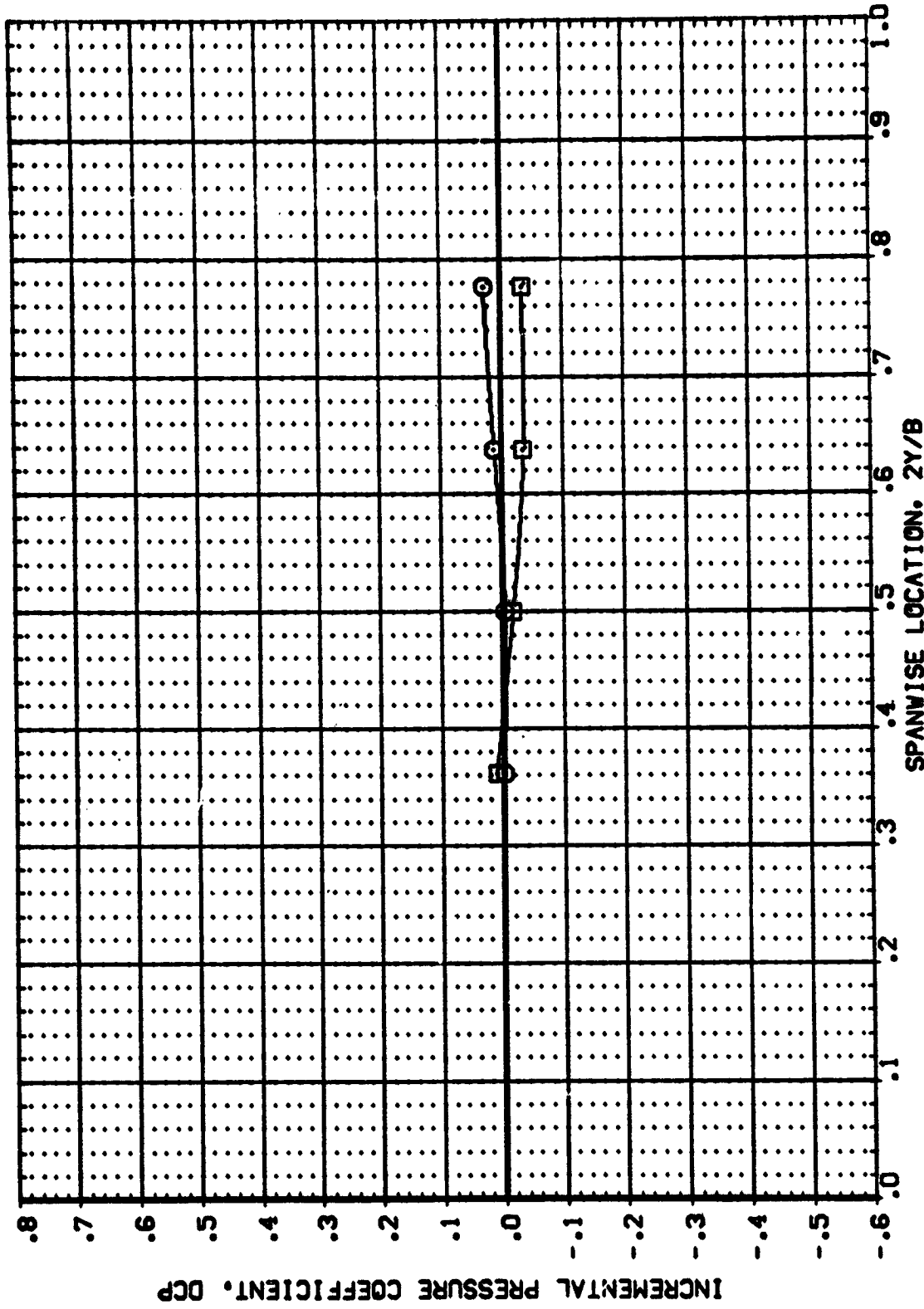
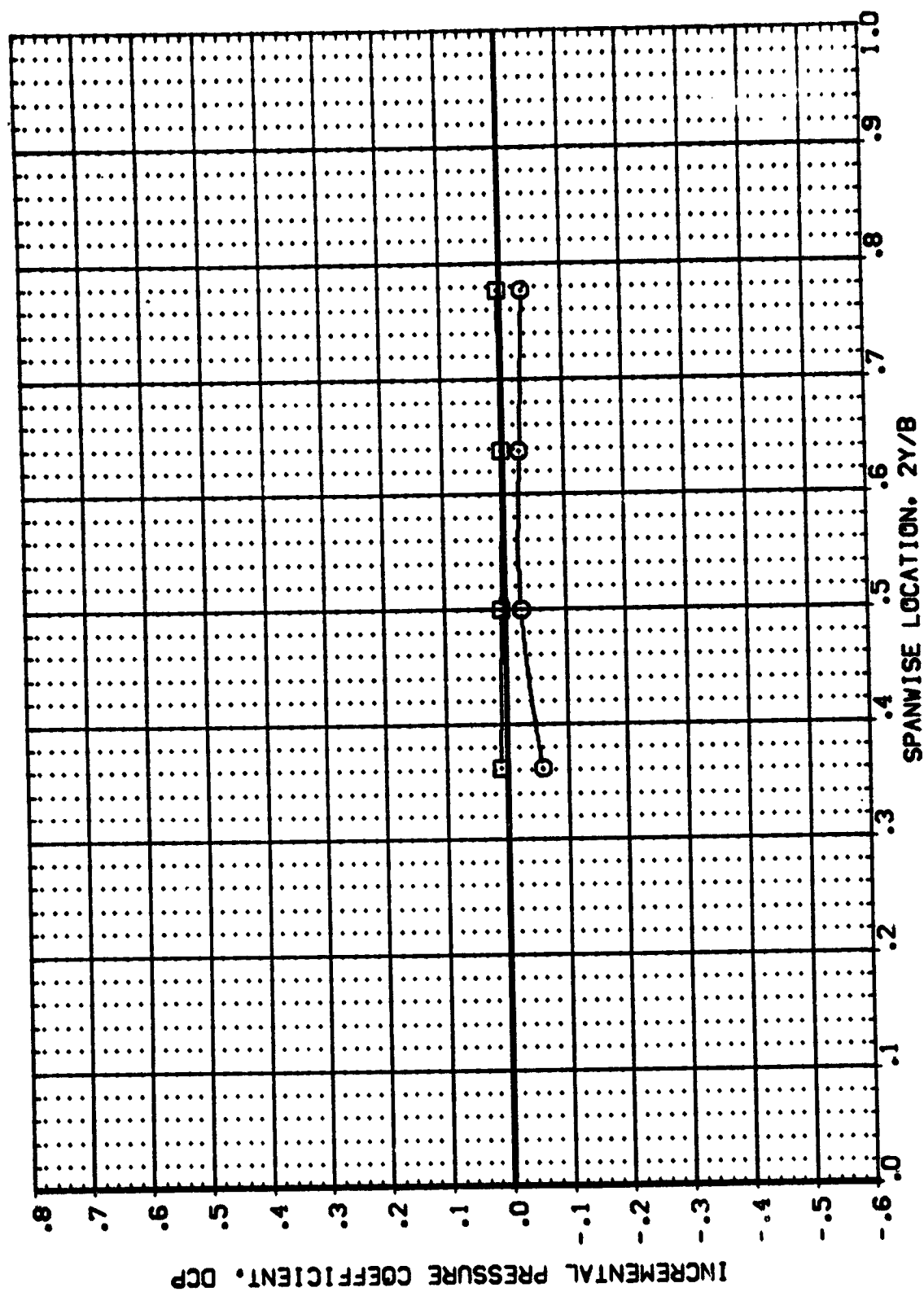


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 3.910 X/C = .500

DATA SET SYMBOL: 9  
 {AF4LOS} IASB {CI FI MI(I)} - {CI FI} UPPER WING  
 {AF4LOS} IASB {CI FI MI(I)} - {CI FI} LOWER WING

ALPHA  
 .000  
 .000



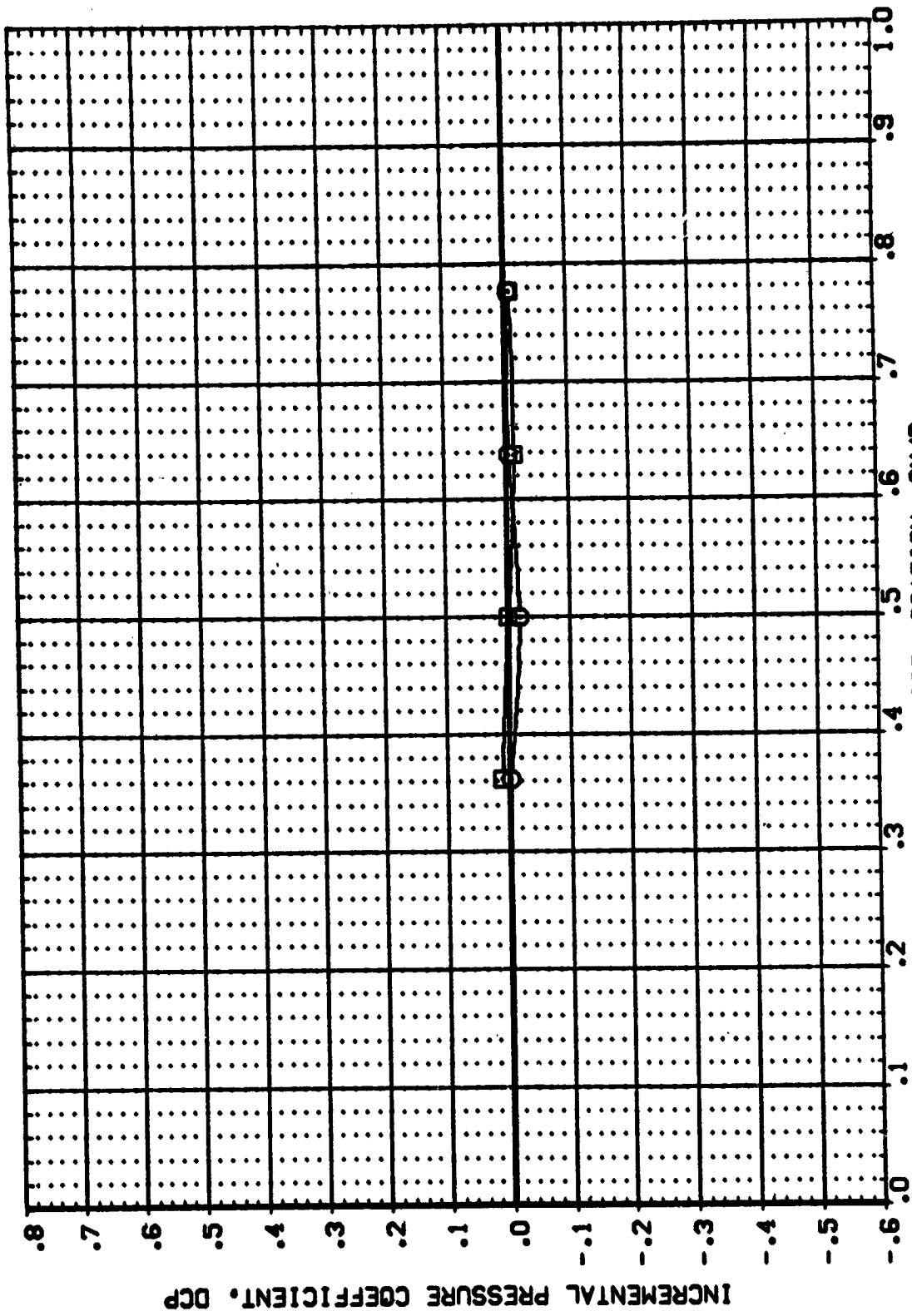
SPANWISE LOCATION, ZY/B  
 FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = -3.860 X/C = .500 PAGE 226



DATA SET SYMBOL: 0  
 (AFALOS) (AFALOS)  
 CONFIGURATION DESCRIPTION: 1AGB ( C1 F1 MI(1) ) - ( C1 F1 ) UPPER WING  
 1AGB ( C1 F1 MI(1) ) - ( C1 F1 ) LOWER WING

ALPHA: .000  
 .000



SPANWISE LOCATION, 2Y/B

FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = -1.950 X/C = .500

DATA SET SYMBOL: IAGB { C1 F1 MI(1) } - { C1 F1 } UPPER WING  
 (AF4LOS) IAGB { C1 F1 MI(1) } - { C1 F1 } LOWER WING  
 ALPHA .000  
 .000

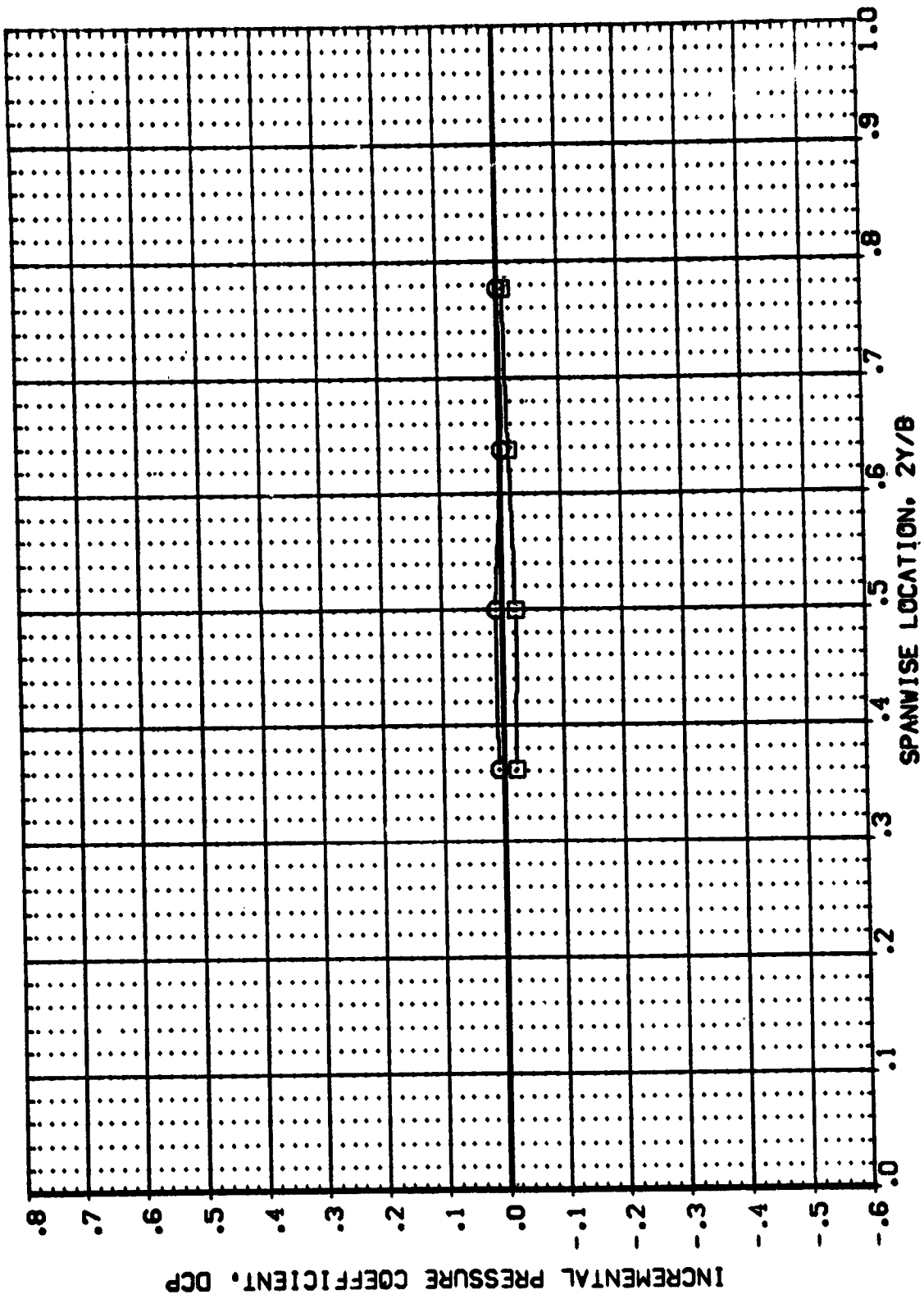


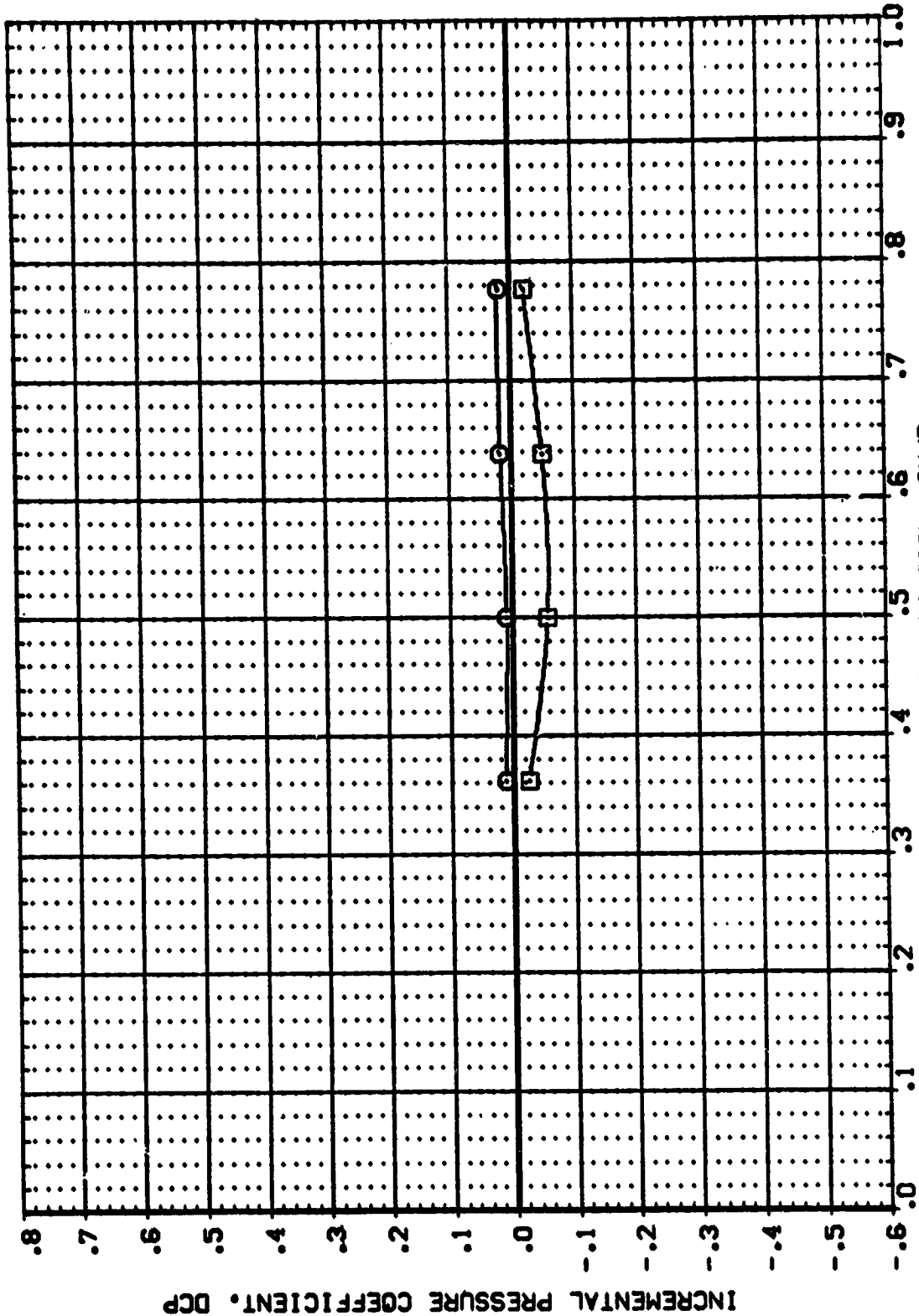
FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = -.040 X/C = .500 SPANWISE LOCATION, ZY/B PAGE 228



ALPHA  
.000  
.000

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
(AF4LOS) 8 1A88 { C1 F1 M1(1) } - { C1 F1 } UPPER WING  
(AF4LOS) 9 1A88 { C1 F1 M1(1) } - { C1 F1 } LOWER WING



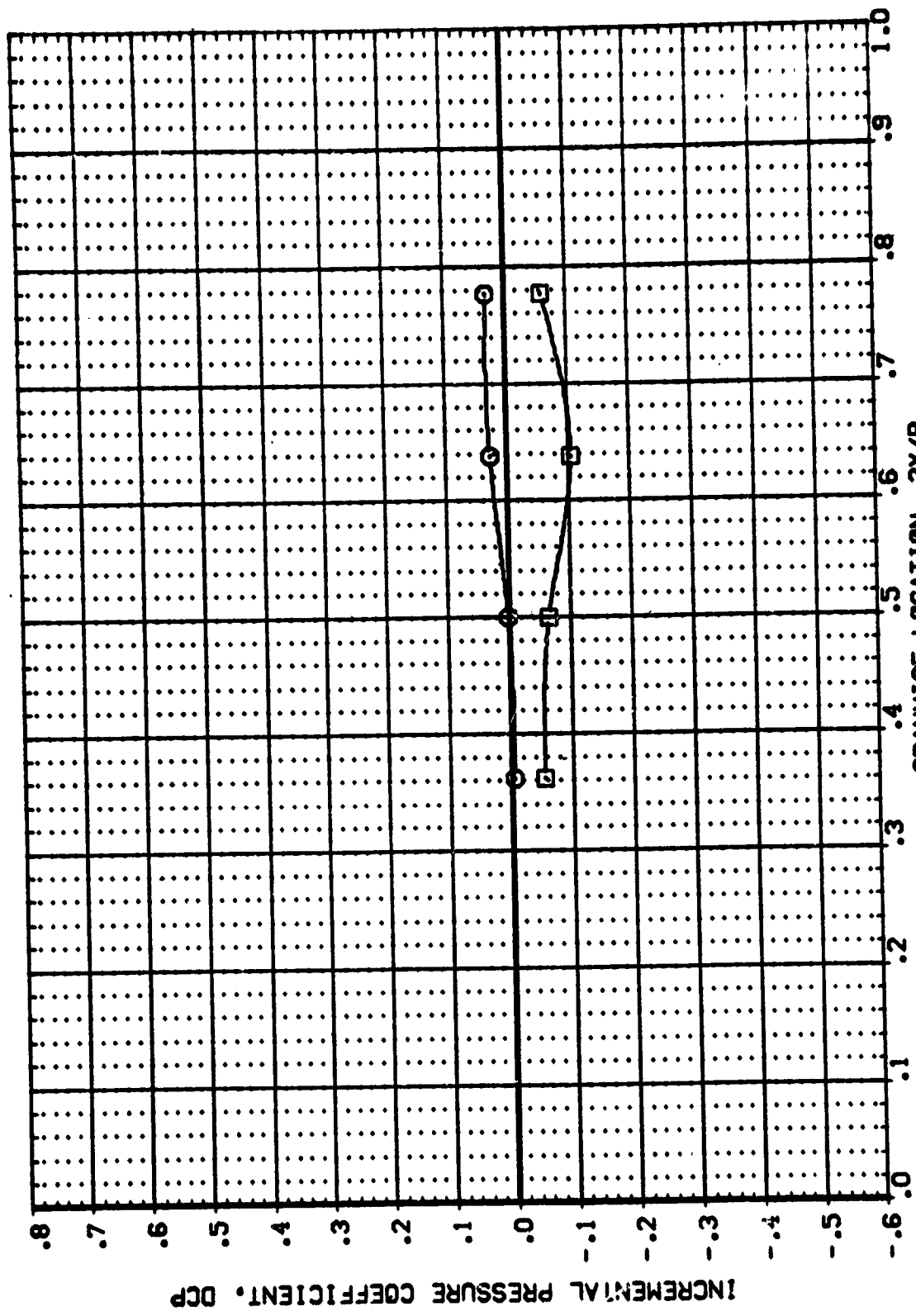
REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = 1.870 X/C = .500

DATA SET SYMBOL: 1A68 ( C1 F1 M1(1) ) - ( C1 F1 ) UPPER WING  
 { AF4LOS } □ 1A68 ( C1 F1 M1(1) ) - ( C1 F1 ) LOWER WING

ALPHA  
 .000  
 .000



SPANWISE LOCATION, ZY/B

FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = 3.920 X/C = .500 PAGE 23C





DATA SET SYMBL. CONFIGURATION DESCRIPTION ALPHA  
 {AF4LOS} IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING .000  
 {AF4LOS} IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING .000

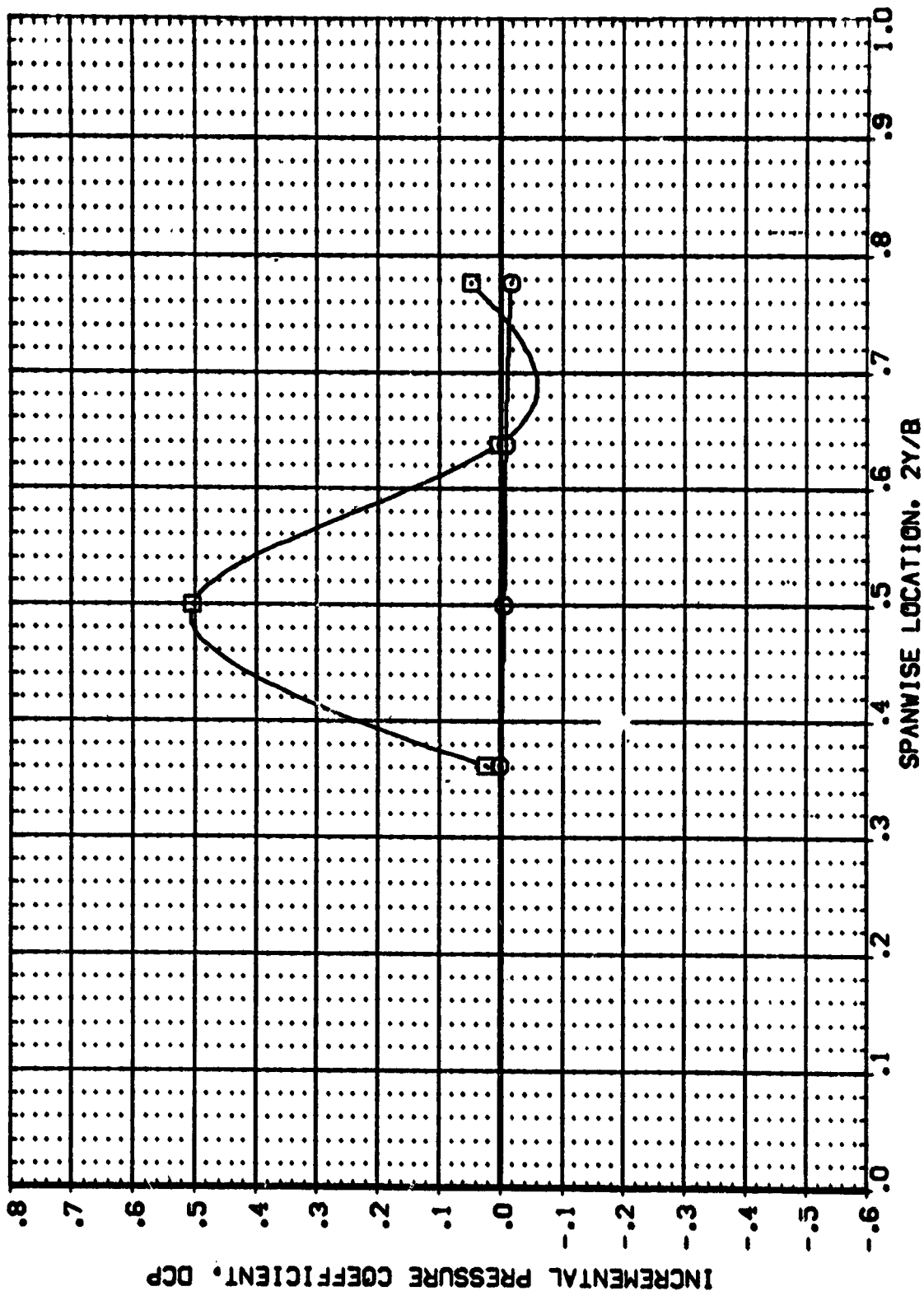
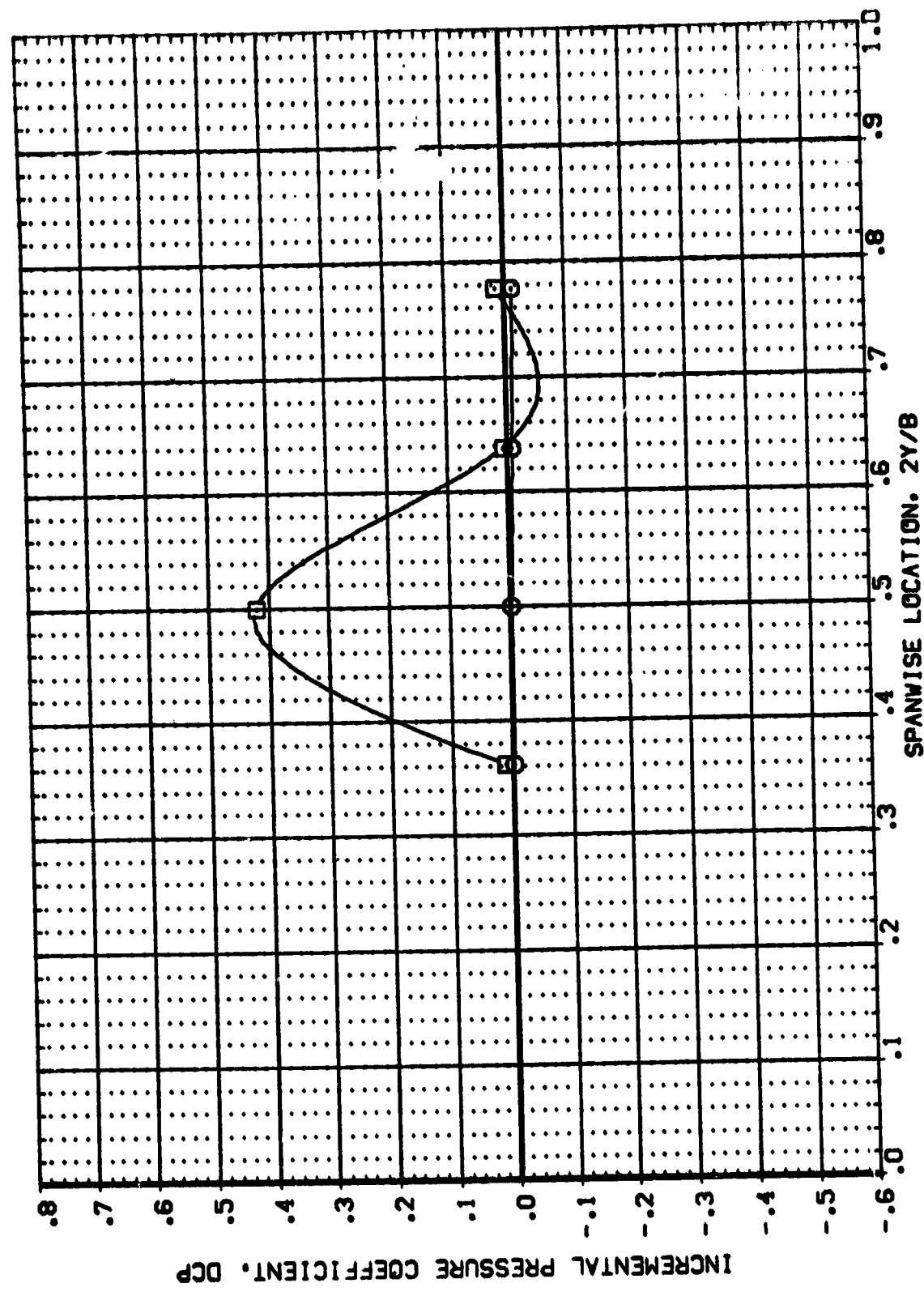


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = -3.970 X/C = .500

DATA SET SYMB. CONFIGURATION DESCRIPTION  
 (AF4L05) 8 1A58 ( C1 F1 M1(1) ) - ( C1 F1 ) UPPER WING  
 (AF4L05) 8 1A58 ( C1 F1 M1(1) ) - ( C1 F1 ) LOWER WING

ALPHA  
 .000  
 .000



SPANWISE LOCATION, ZY/B

FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = -2.050 X/C = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION ALPHA  
 (AFALDS) [AFALDS] { CI FI MI(1) } - { CI FI } UPPER WING .000  
 (AFALDS) [AFALDS] { CI FI MI(1) } - { CI FI } LOWER WING .000

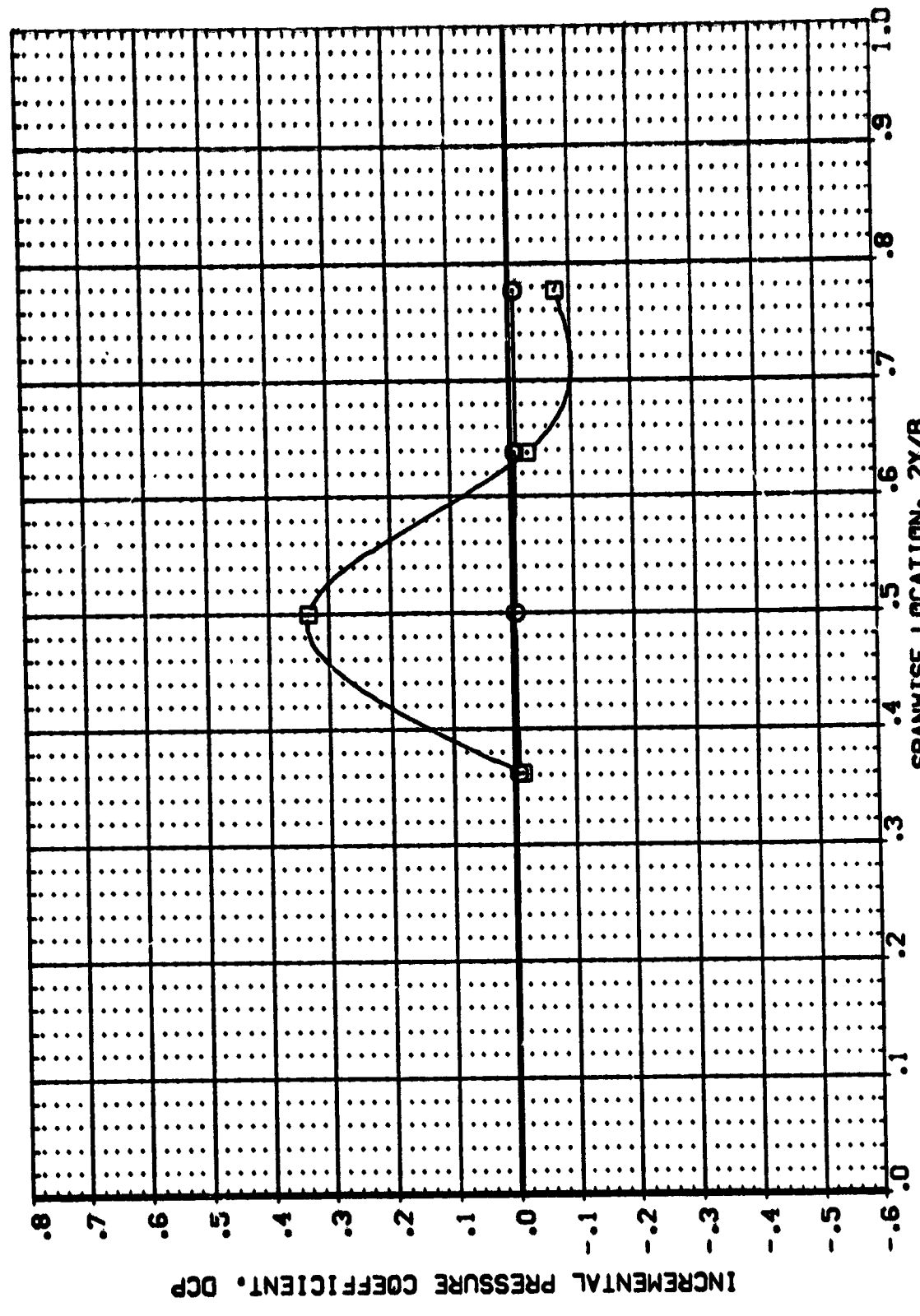


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = -.130 X/C = .500

ALPHA  
.000

DATA SET SYMBOL: [AF4LOS] [AF4LOS] [AF4LOS]  
CONFIGURATION DESCRIPTION: [A68 [C1 F1] M1(1)] - [C1 F1] UPPER WING  
[A68 [C1 F1] M1(1)] - [C1 F1] LOWER WING

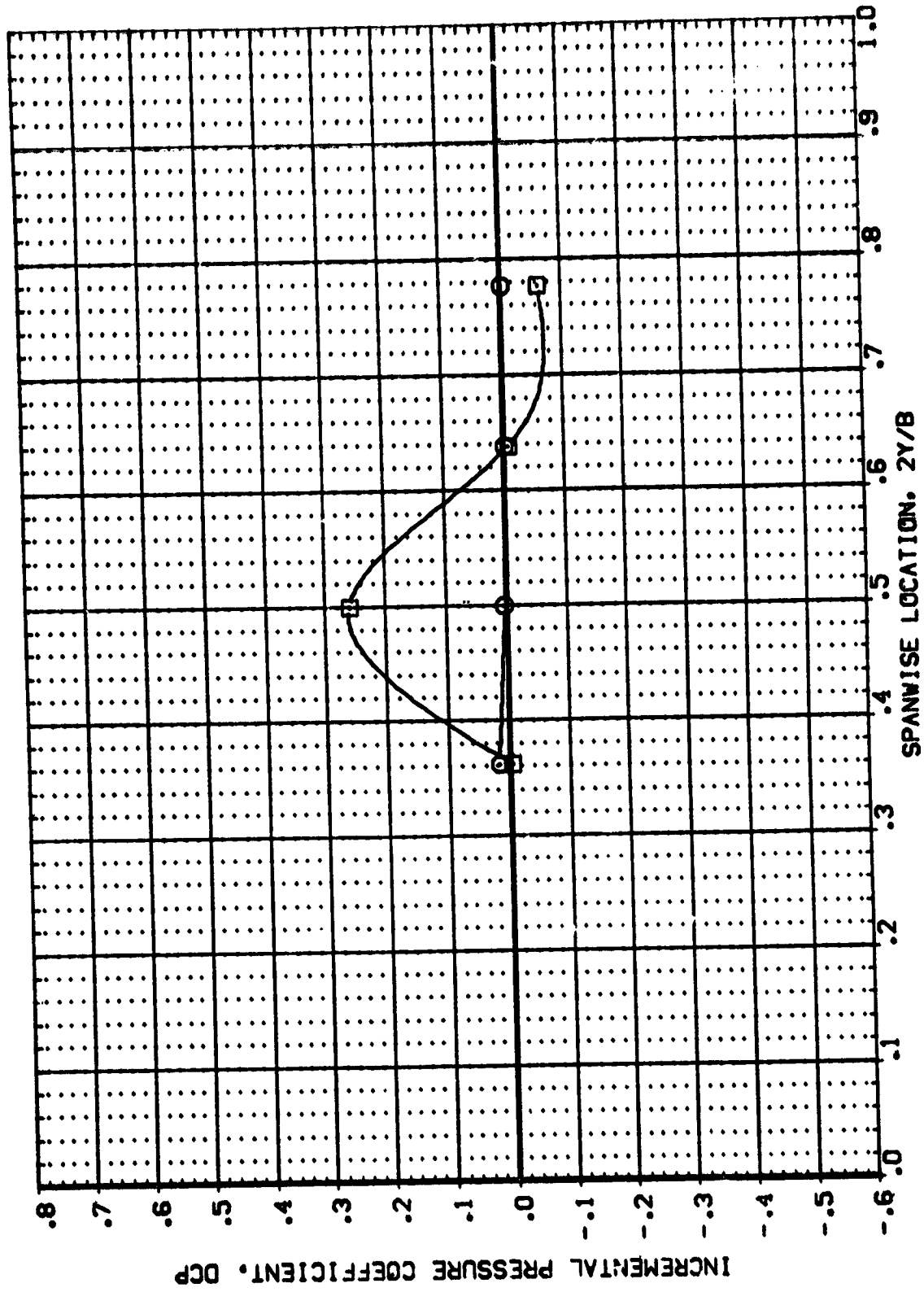


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = 1.800 X/C = .500



DATA SET SYMB. CONFIGURATION DESCRIPTION ALPHA  
 {AF4LOS} □ {AGB {CI F} MI(1)} - {CI F} } UPPER WING .000  
 {AF4LOS} □ {AGB {CI F} MI(1)} - {CI F} } LOWER WING .000

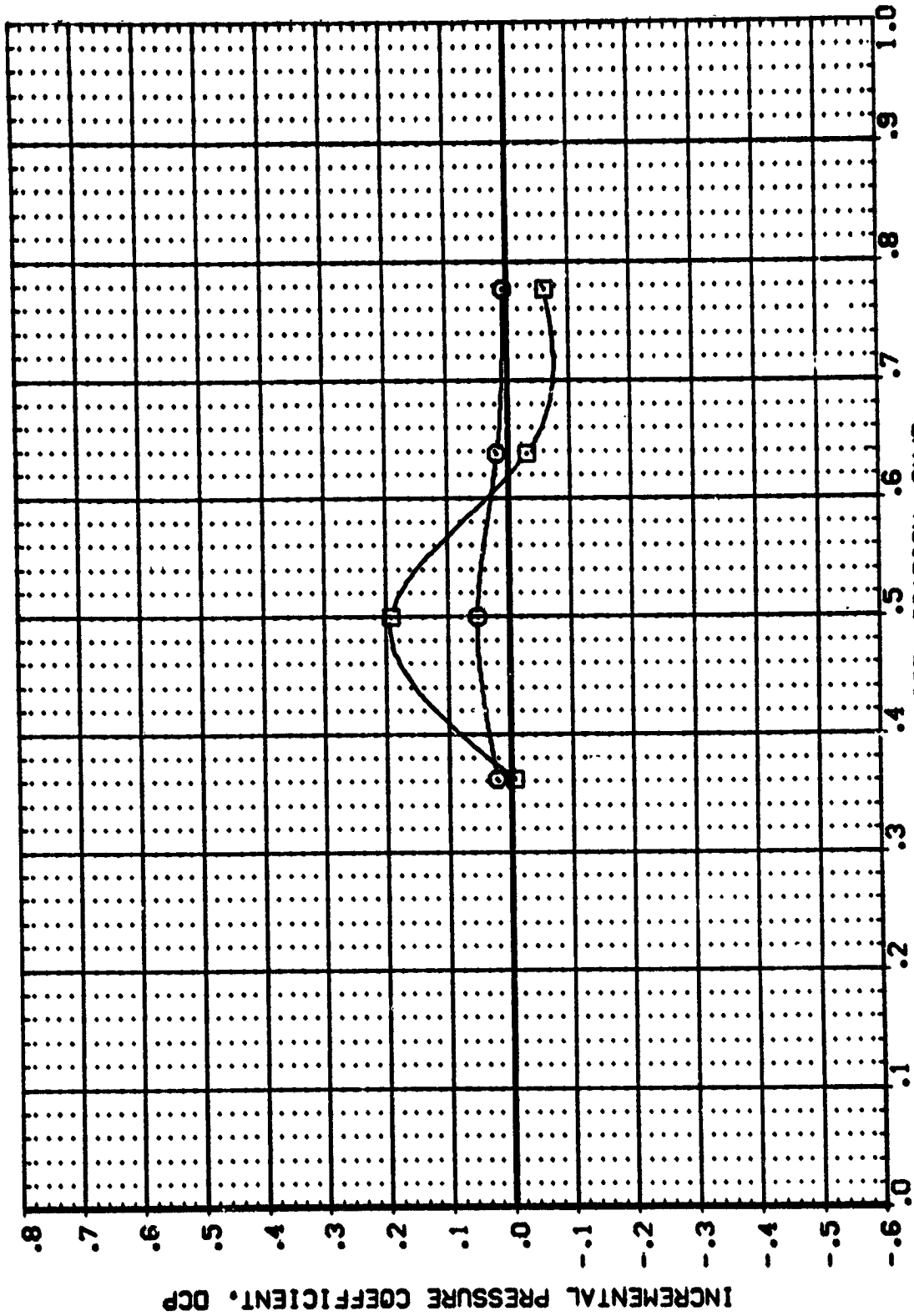


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS  
 MACH = 1.503 BETA = 3.840 X/C = .500  
 SPANWISE LOCATION, 2Y/B PAGE 235

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DATA SET SYMBOL: 1A68 ( C1 F1 MI(1) ) - ( C1 F1 ) UPPER WING  
 1A68 ( C1 F1 MI(1) ) - ( C1 F1 ) LOWER WING

ALPHA  
 .000  
 .000

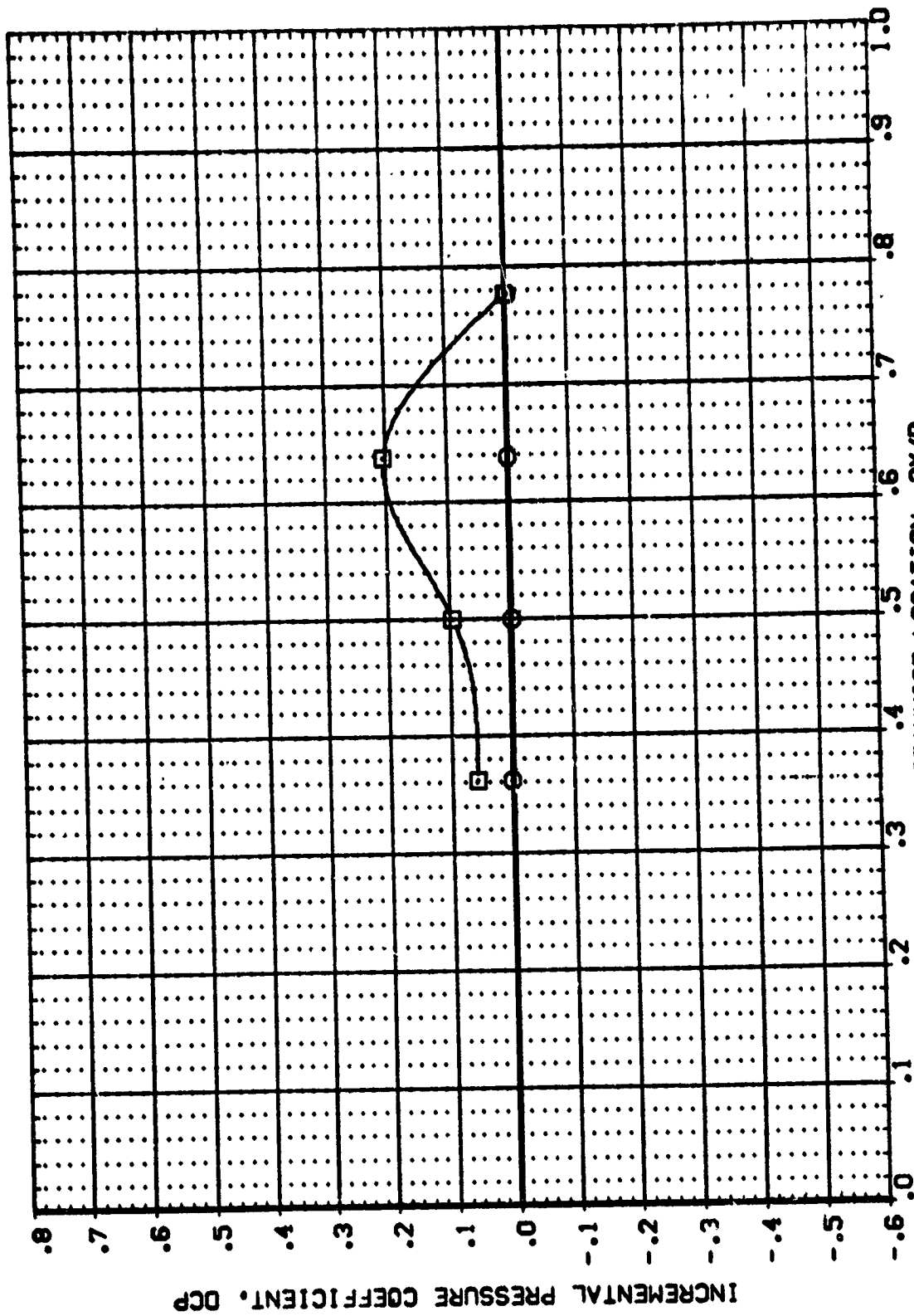


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = -3.790 X/C = .500



DATA SET SYMBOL: IASB { C1 F1 M1(1) } - { C1 F1 } UPPER WING  
 IASB { C1 F1 M1(1) } - { C1 F1 } LOWER WING

ALPHA  
 .000  
 .000

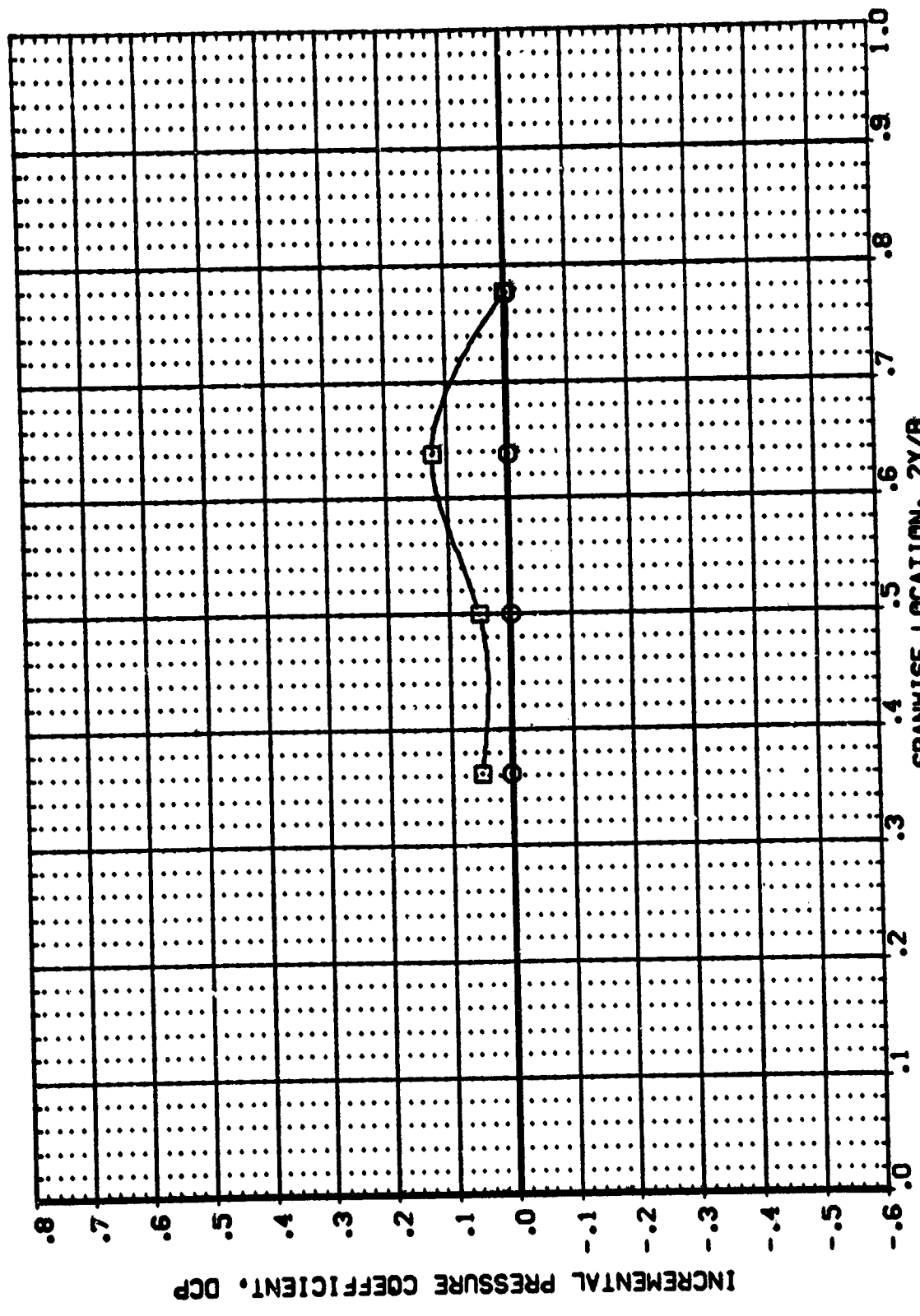


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS  
 MACH = 1.991 BETA = -1.870 X/C = .500  
 SPANWISE LOCATION, ZY/B

ALPHA  
.000  
.000

DATA SET SYMBOL:  $\square$  CONFIGURATION DESCRIPTION: { C1 F1 } UPPER WING  
{ AF4LOS } IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING  
{ AF4LOS }

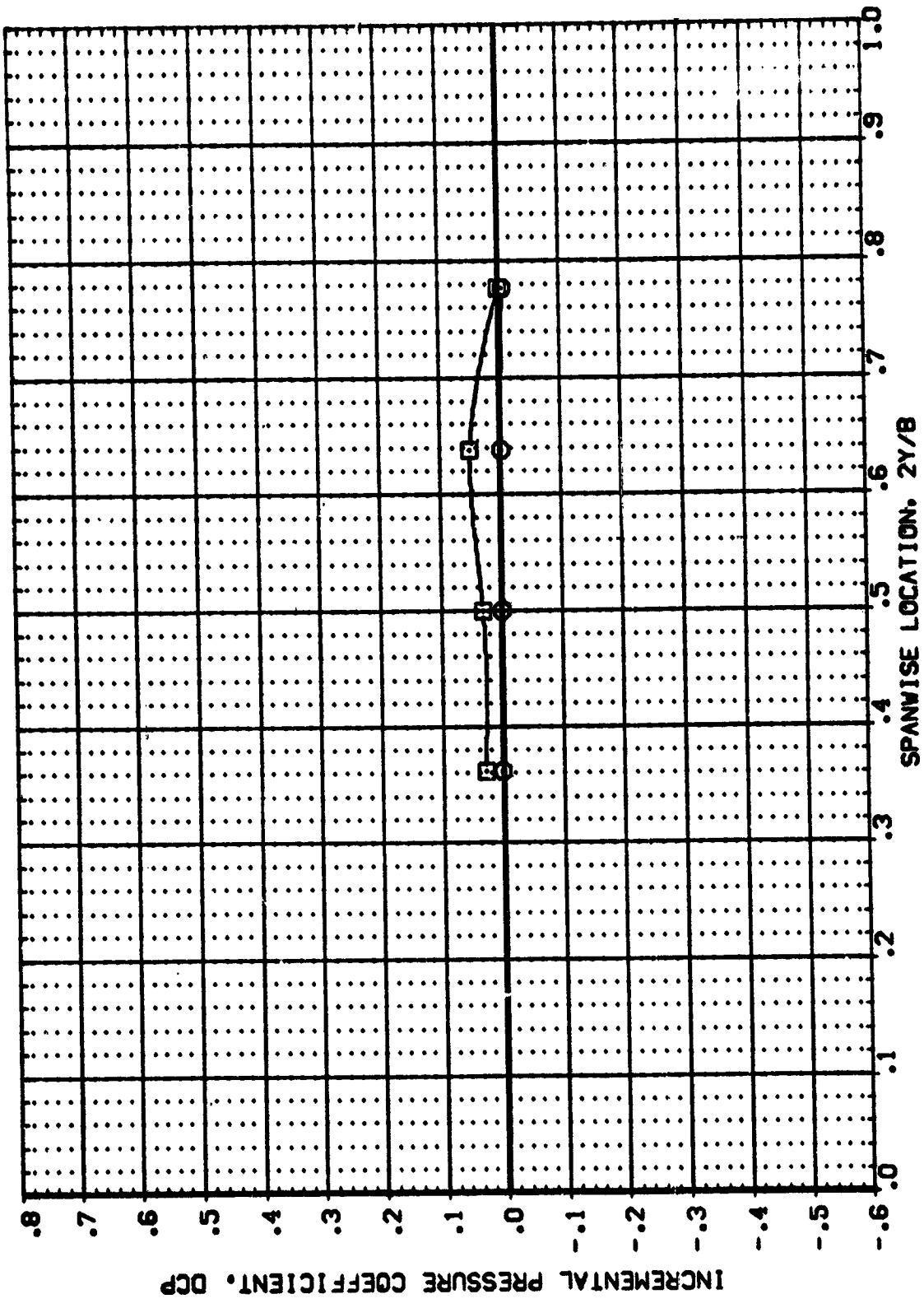


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = -.010 X/C = .500 PAGE 238

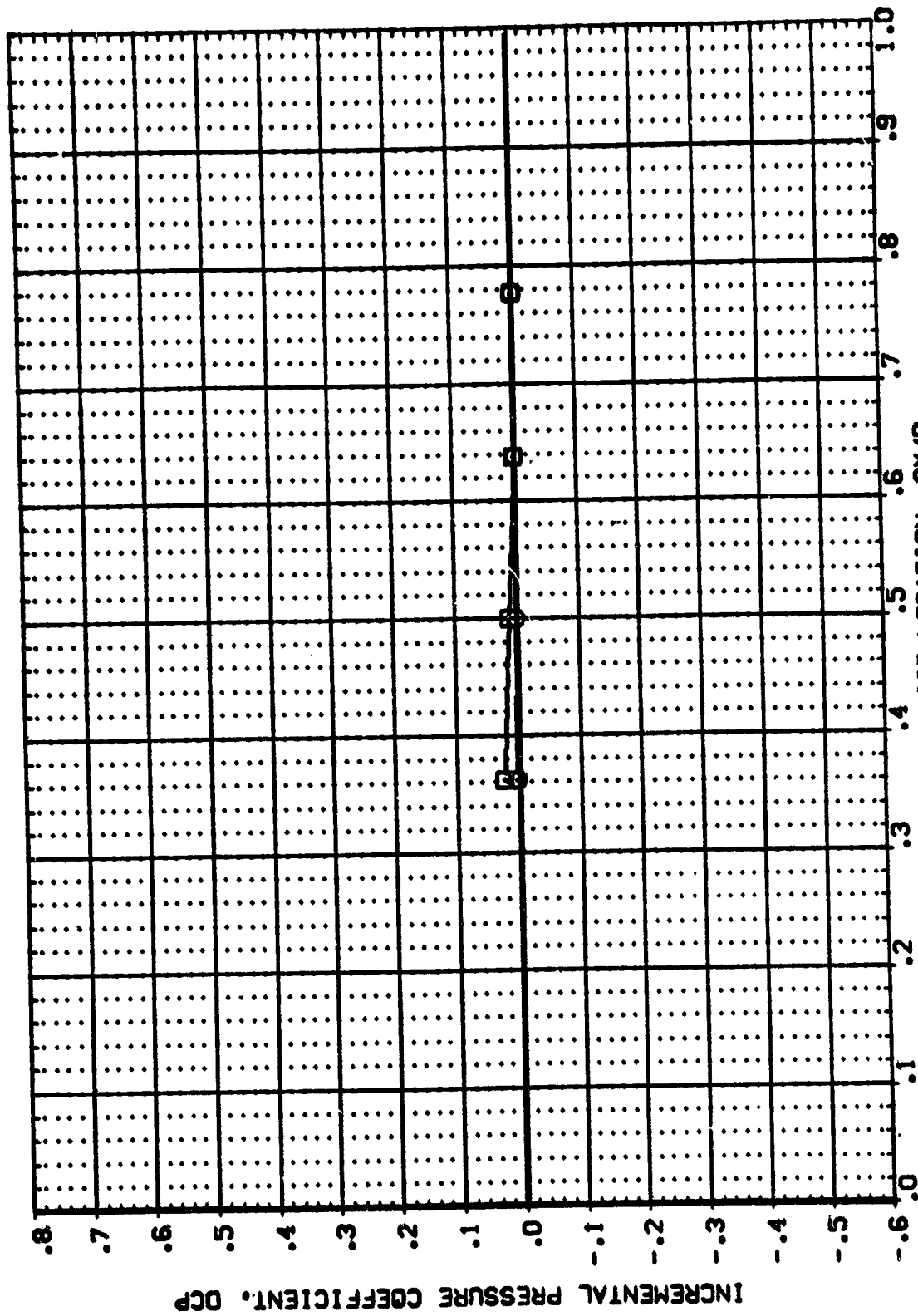




ALPHA  
.000  
.000

DATA SET SYMBOL: CONFIGURATION DESCRIPTION

{ AFALOS } □ IASB { CI FI MI(1) } - { CI FI } UPPER WING  
{ AFALOS } IASB { CI FI MI(1) } - { CI FI } LOWER WING



SPANWISE LOCATION, 2Y/B

FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 1.950 X/C = .500

DATA SET SYMB. CONFIGURATION DESCRIPTION ALPHA  
 { AF4LOS } IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING .000  
 { AF4LOS } IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING .030

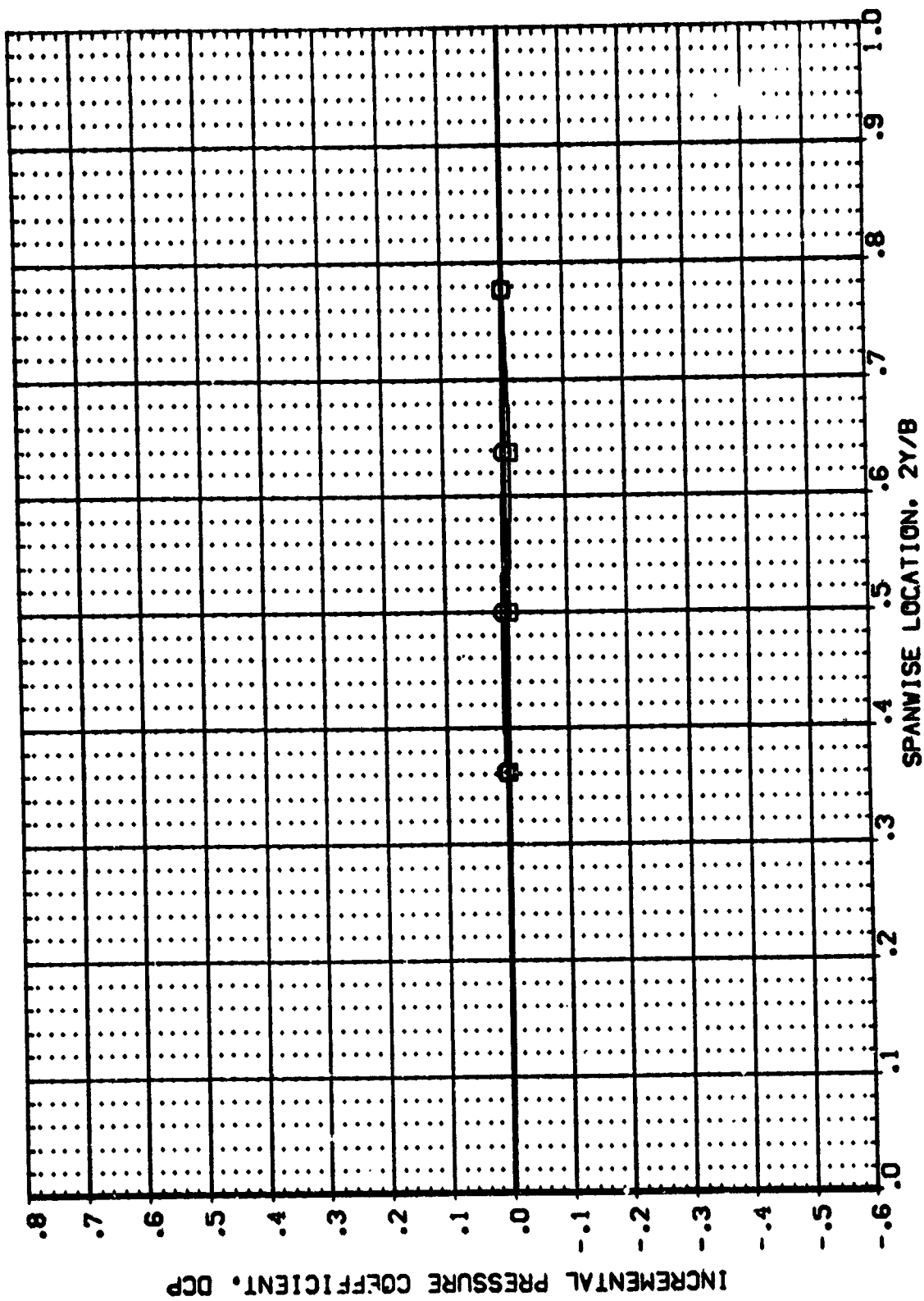


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 3.790 X/C = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION ALPHA  
 (AF1LOB) IASB (C1F1M2(1)+FILLET) - (C1F1) UPPER WING .000  
 (AF2LOB) IASB (C1F1M2(1)+FILLET) - (C1F1) LOWER WING .000

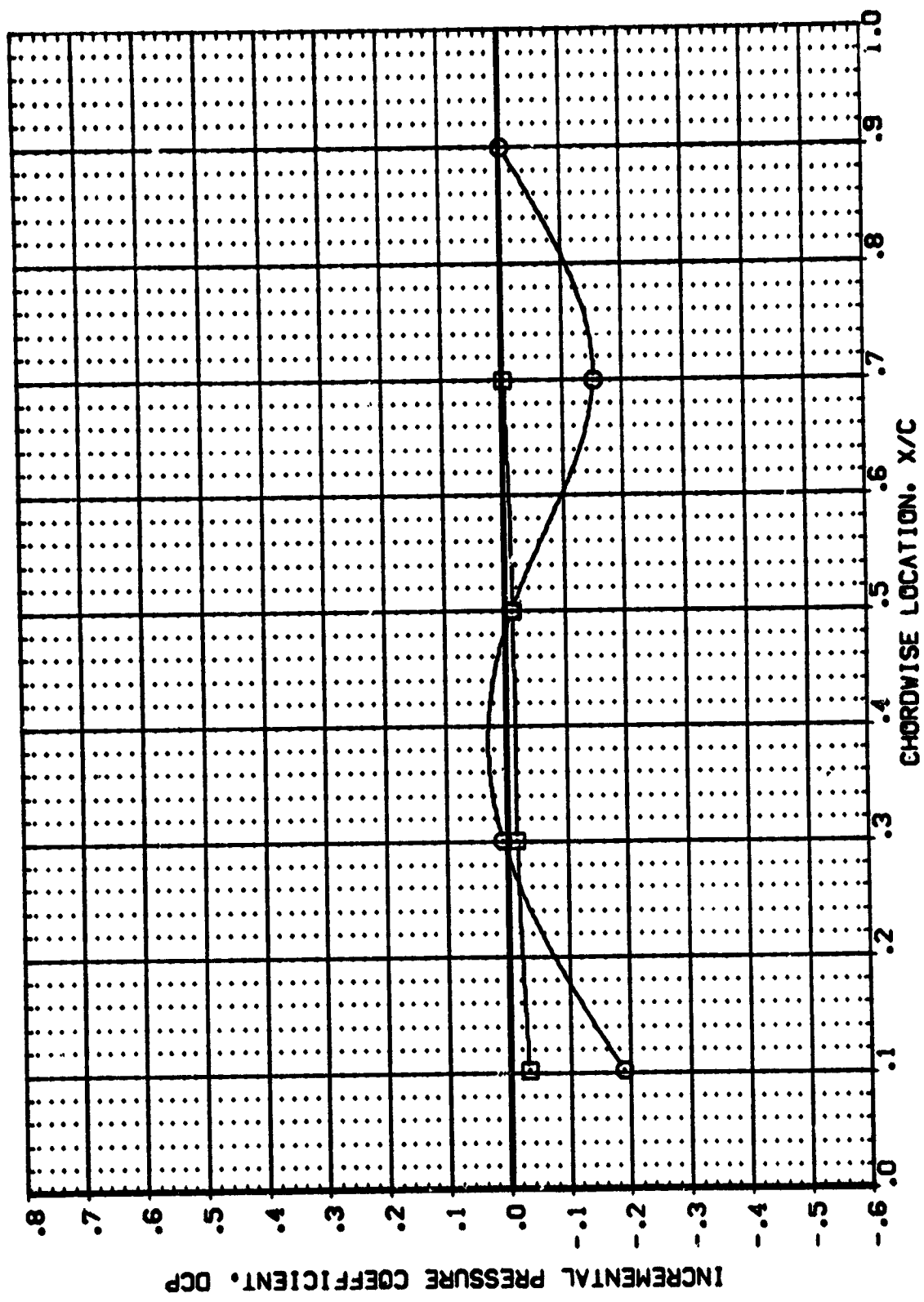


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -3.930 2Y/B = .500

DATA SET SYMBOL:  $\square$  CONFIGURATION DESCRIPTION: [AGB (C1F1M2(1)+FILLET) - (C1F1)] UPPER WING  
 [AFALOB] [AGB (C1F1M2(1)+FILLET) - (C1F1)] LOWER WING

ALPHA  
 .000  
 .000

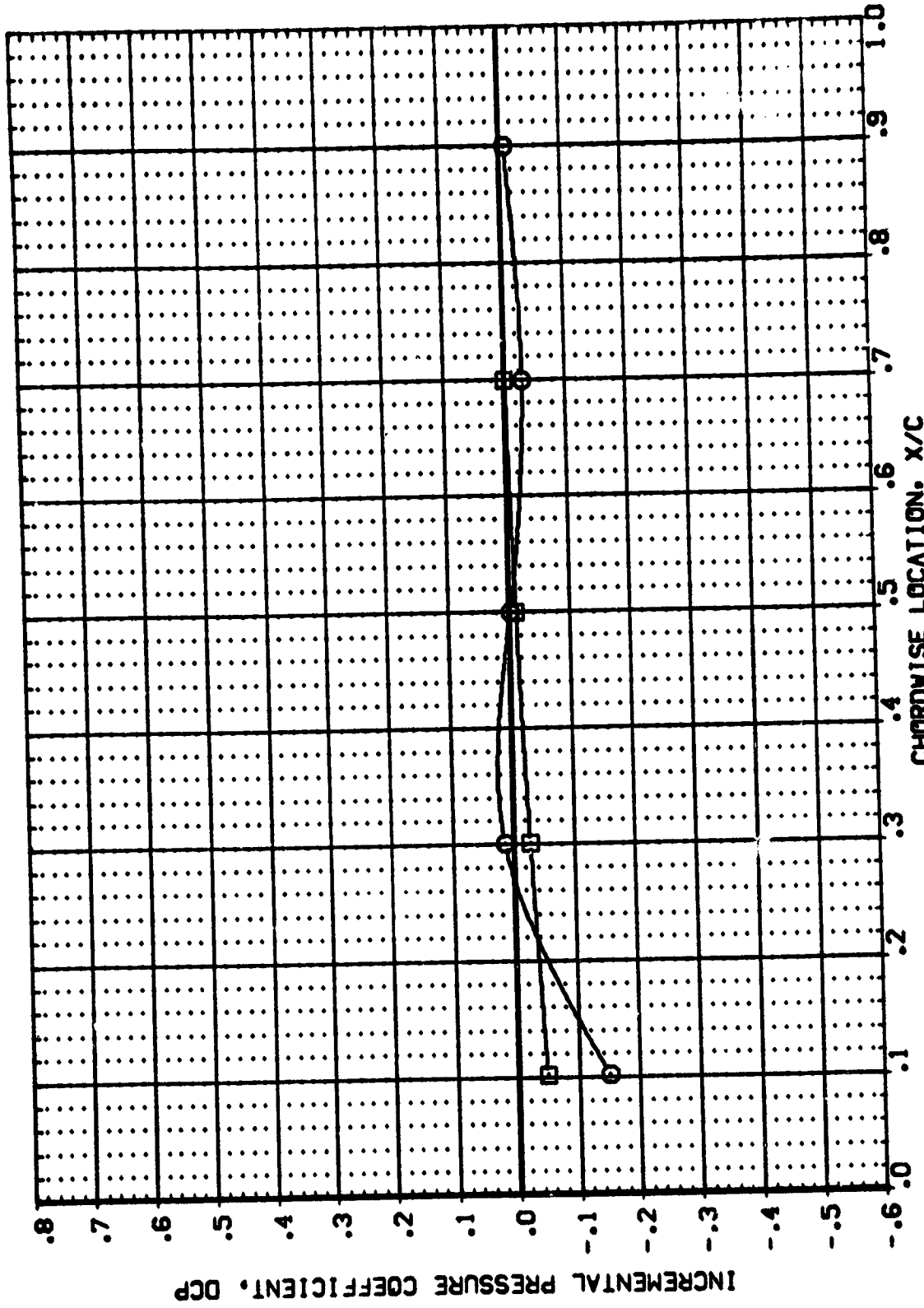


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -1.950 2Y/B = .500



DATA SET SYMBL. CONFIGURATION DESCRIPTION ALPHA  
 {AFALOB} Q [ASB (CIF1M2(1))+FILLET] - (CIF1) UPPER WING .000  
 [ASB (CIF1M2(1))+FILLET] - (CIF1) LOWER WING .000

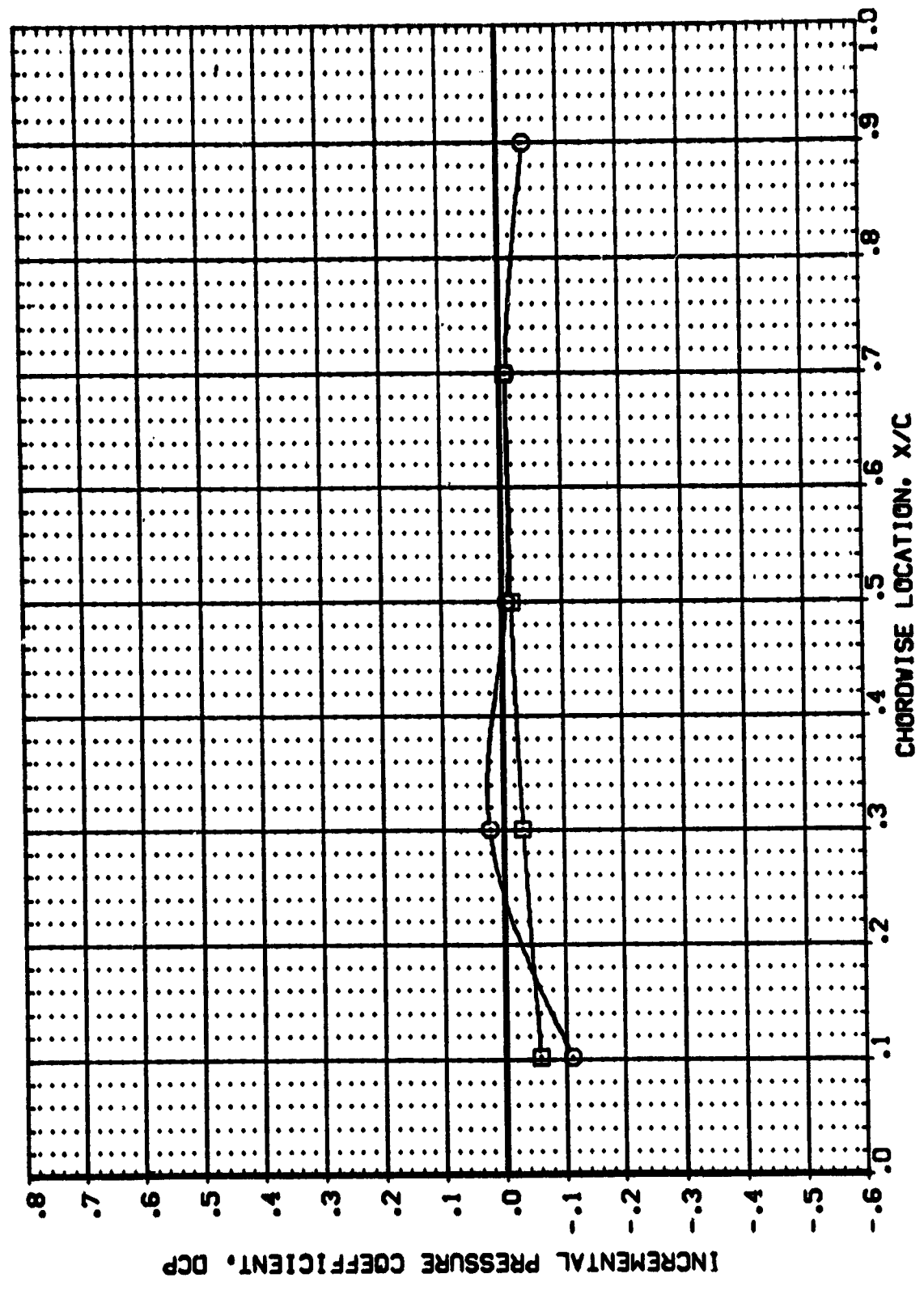


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -.030 2Y/B = .500 PAGE 243



DATA SET SYMBOL: **B** CONFIGURATION DESCRIPTION: (C1F1) UPPER WING ALPHA .000  
 (AF10B) (C1F2(1)+FILLET) - (C1F1) UPPER WING .000  
 (AGB) (C1F2(1)+FILLET) - (C1F1) LOWER WING

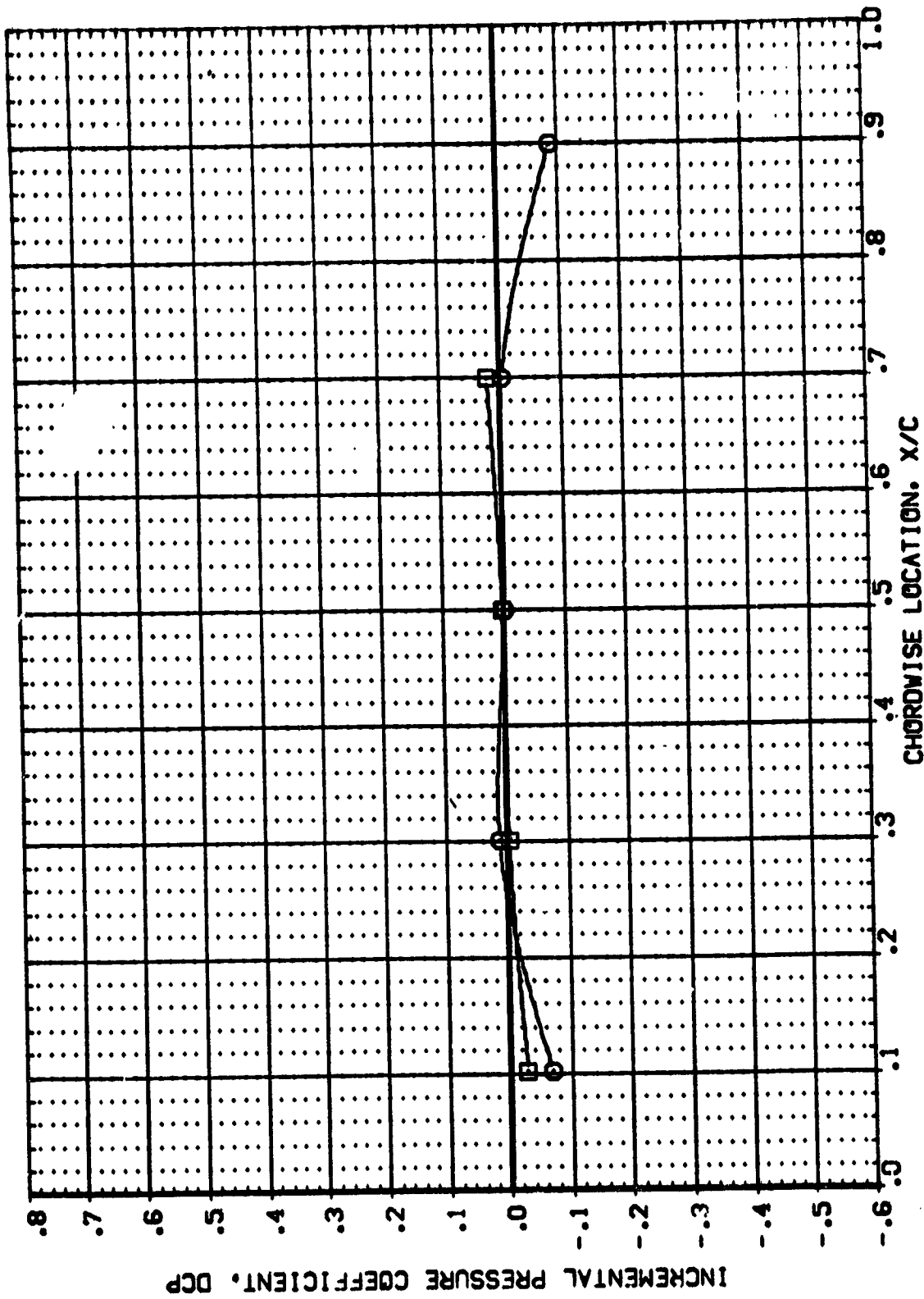


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 1.880 2Y/B = .500



DATA SET SYMBOL. CONFIGURATION DESCRIPTION  
 (AF4LOB) 1A88 (C1F1M21)+FILLET) - (C1F1) UPPER WING  
 (AF4LOB) 1A88 (C1F1M21)+FILLET) - (C1F1) LOWER WING

ALPHA  
 .000  
 .000

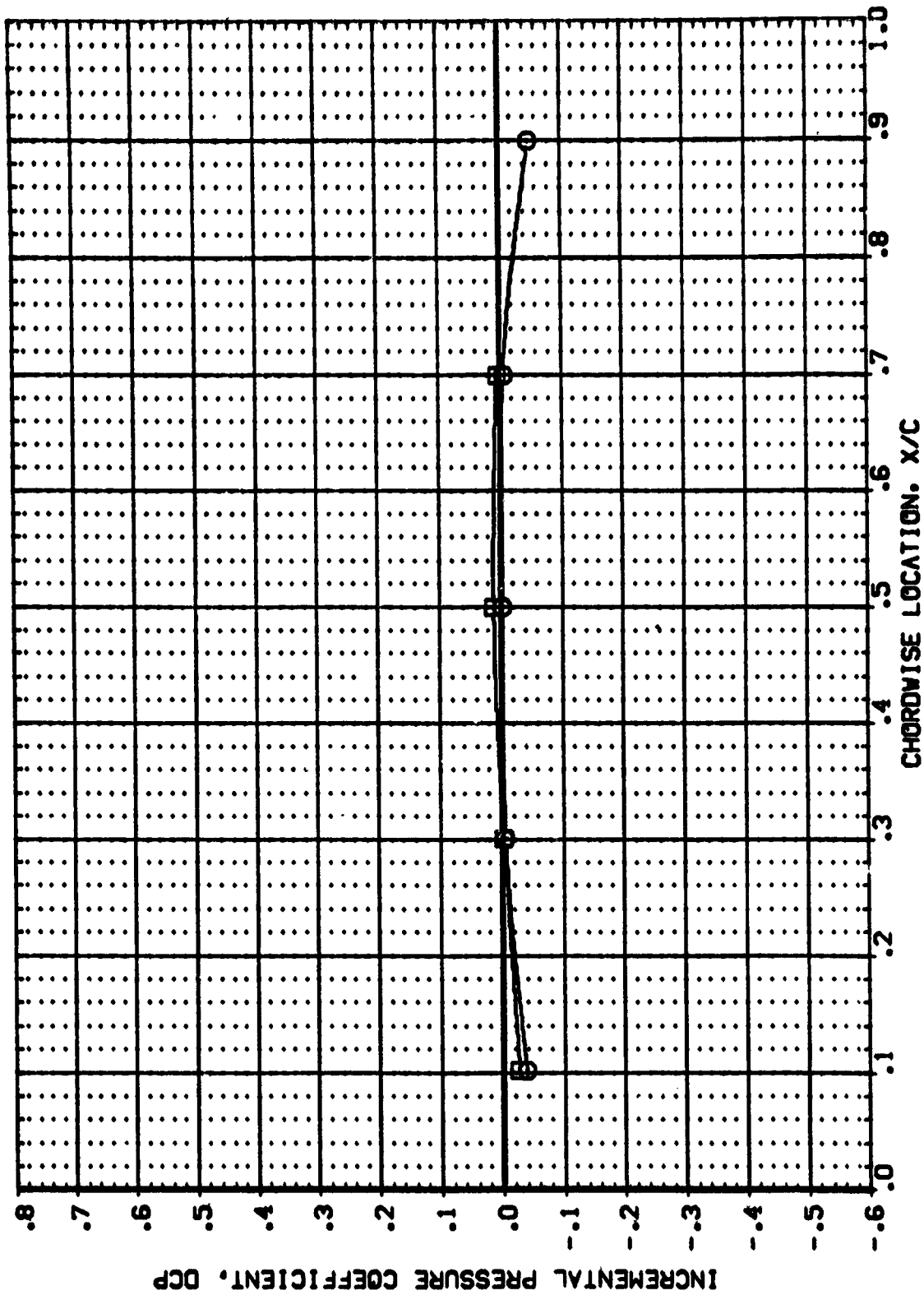


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 3.810 2Y/B = .500



DATA SET SYMBOL: [AF4UD8] [AF4LO8] ALPHA .000 .000  
 CONFIGURATION DESCRIPTION: 1/AS8 (C1F1M2{1})+F ILLET) - (C1F1) UPPER WING  
 1/AS8 (C1F1M2{1})+F ILLET) - (C1F1) LOWER WING

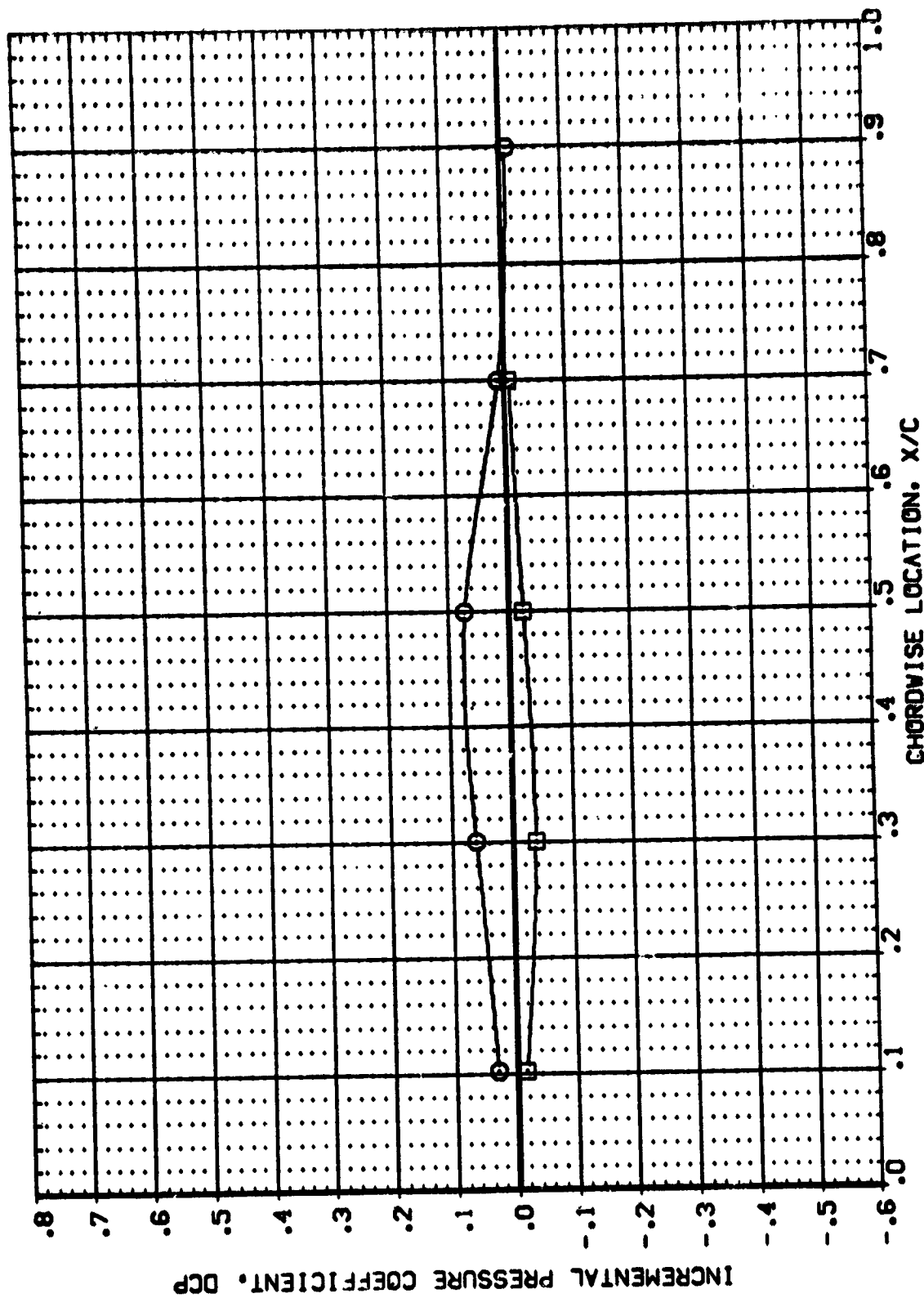


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = -3.880 2Y/B = .500 PAGE 246





ALPHA  
.000  
.000

DATA SET SYMBOL: [AF4LOB] [AF4LOB] [AF4LOB]  
CONFIGURATION DESCRIPTION: [1A88 (C1F1M211)+FILLET] - (C1F1) UPPER WING  
[1A88 (C1F1M211)+FILLET] - (C1F1) LOWER WING

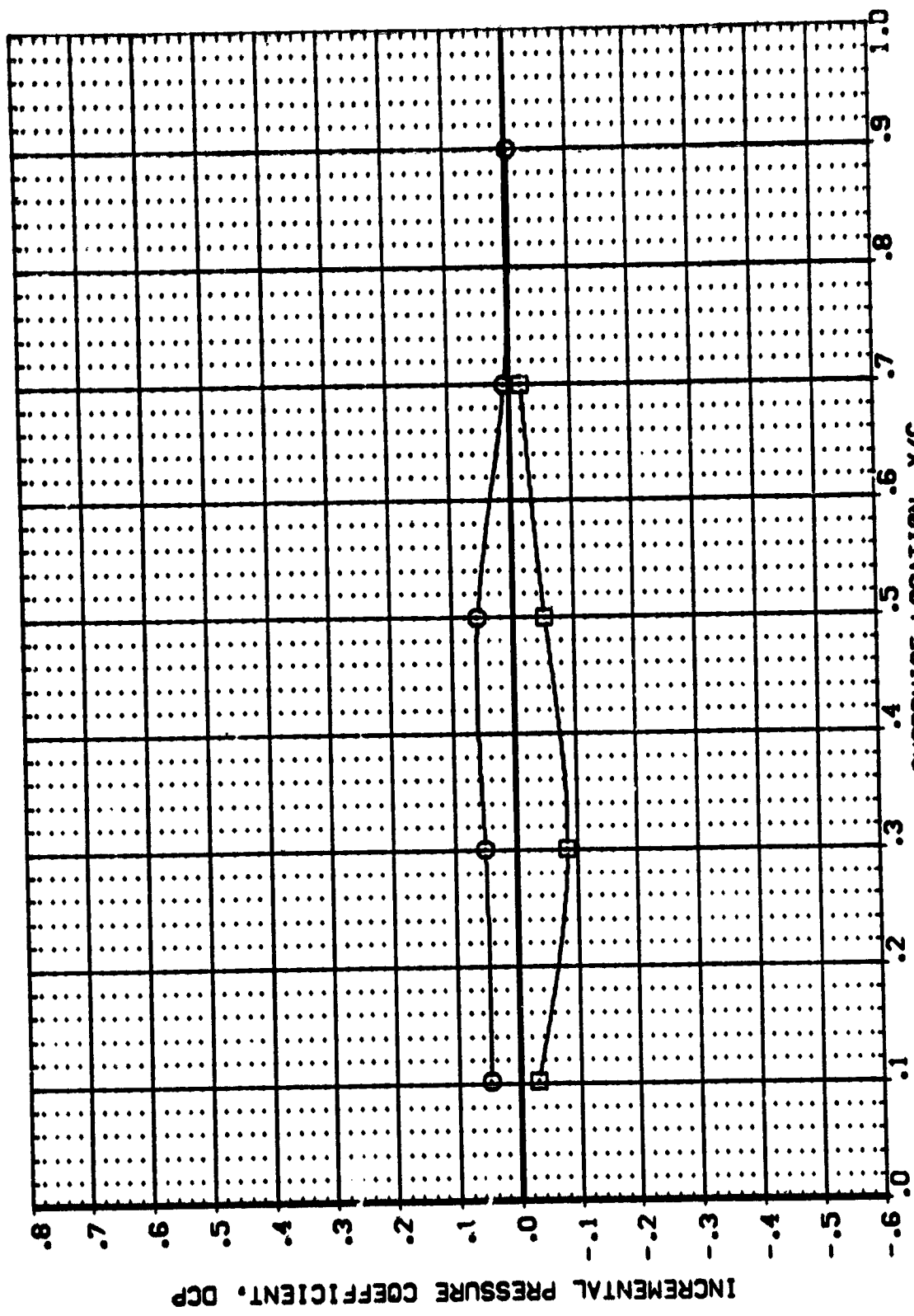


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS  
MACH = 1.210 BETA = -1.830 2Y/B = .500

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **1AG8 (C1F1P2(1)+FILLET) - (C1F1) UPPER WING**  
**Q** **1AG8 (C1F1P2(1)+FILLET) - (C1F1) LOWER WING**  
 ALPHA: **.000**  
**.000**

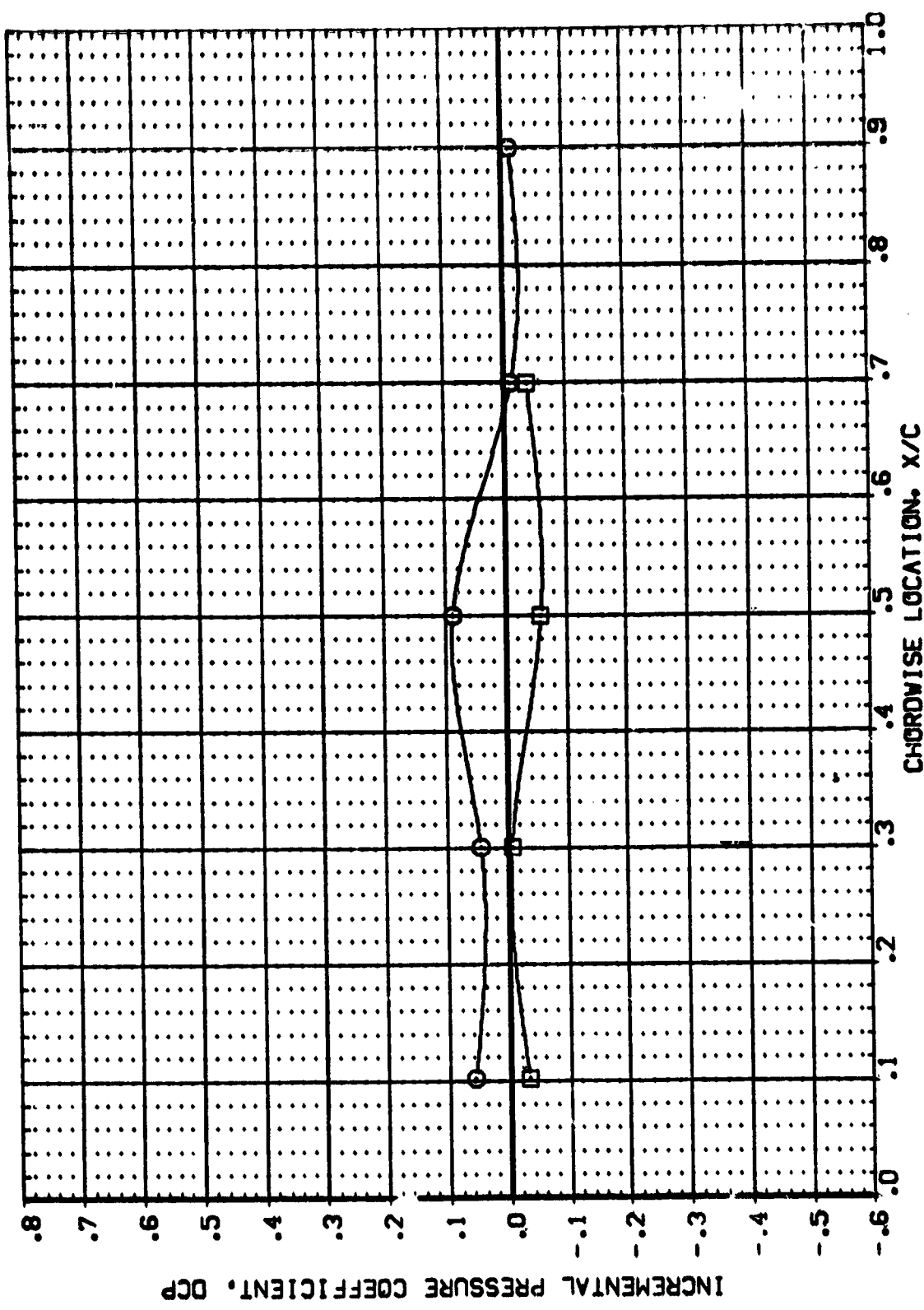


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = .140 2Y/B = .500 PAGE 248



ALPHA  
.000  
.000

DATA SET SYMBOL: □  
CONFIGURATION DESCRIPTION: (AF4LOB) 1A68 (C1F1M2(1)) + FILLET - (C1F1) UPPER WING  
(AF4LOB) 1A68 (C1F1M2(1)) + FILLET - (C1F1) LOWER WING

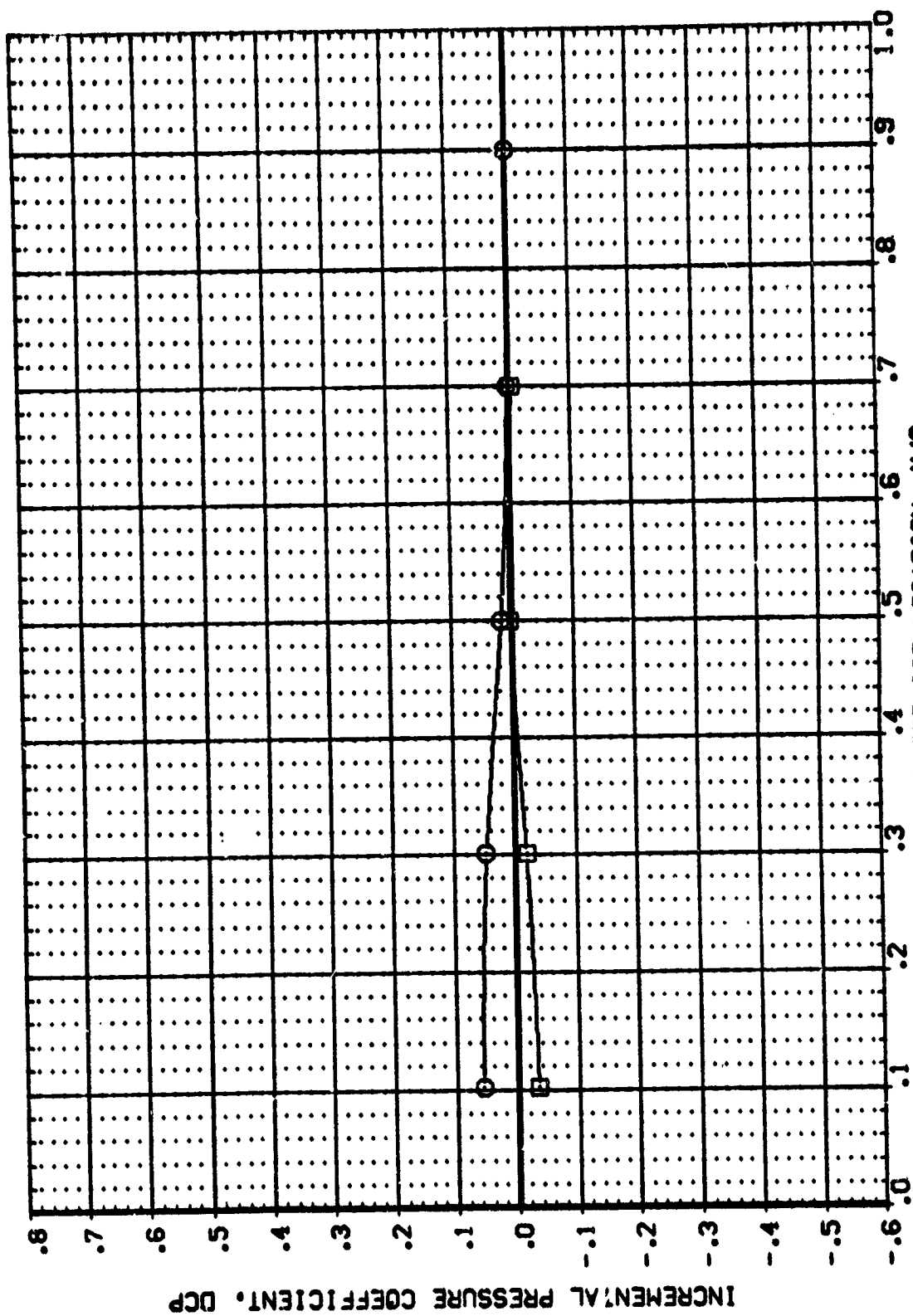


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = 4.070 2Y/B = .500

DATA SET SYMBOL: 9  
 [AF4LOB] [AF4LOB] ALPHA .000  
 [AF4LOB] [AF4LOB] .000

CONFIGURATION DESCRIPTION  
 [AGB] [C1F1M2(1)\*F1LLET] - (C1F1) UPPER WING  
 [AGB] [C1F1M2(1)\*F1LLET] - (C1F1) LOWER WING

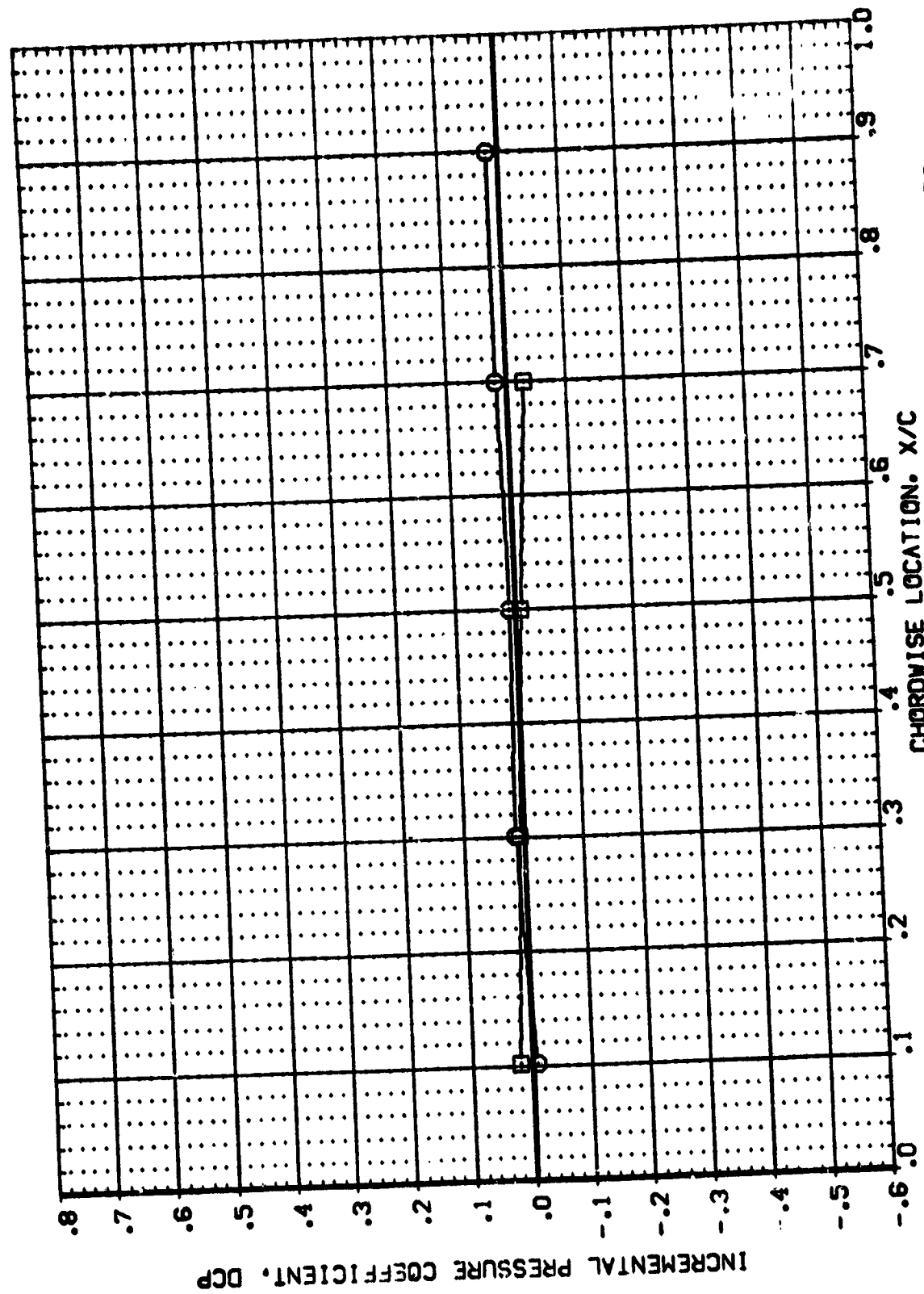


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS  
 MACH = 1.991 BETA = -3.800 2Y/B = .500  
 CHORDWISE LOCATION, X/C



DATA SET SYMB. CONFIGURATION DESCRIPTION ALPHA  
 (AF4LOB) JAGB (C1F1P2(1))+FILLET) - (C1F1) UPPER WING .000  
 (AF4LOB) JAGB (C1F1P2(1))+FILLET) - (C1F1) LOWER WING .000

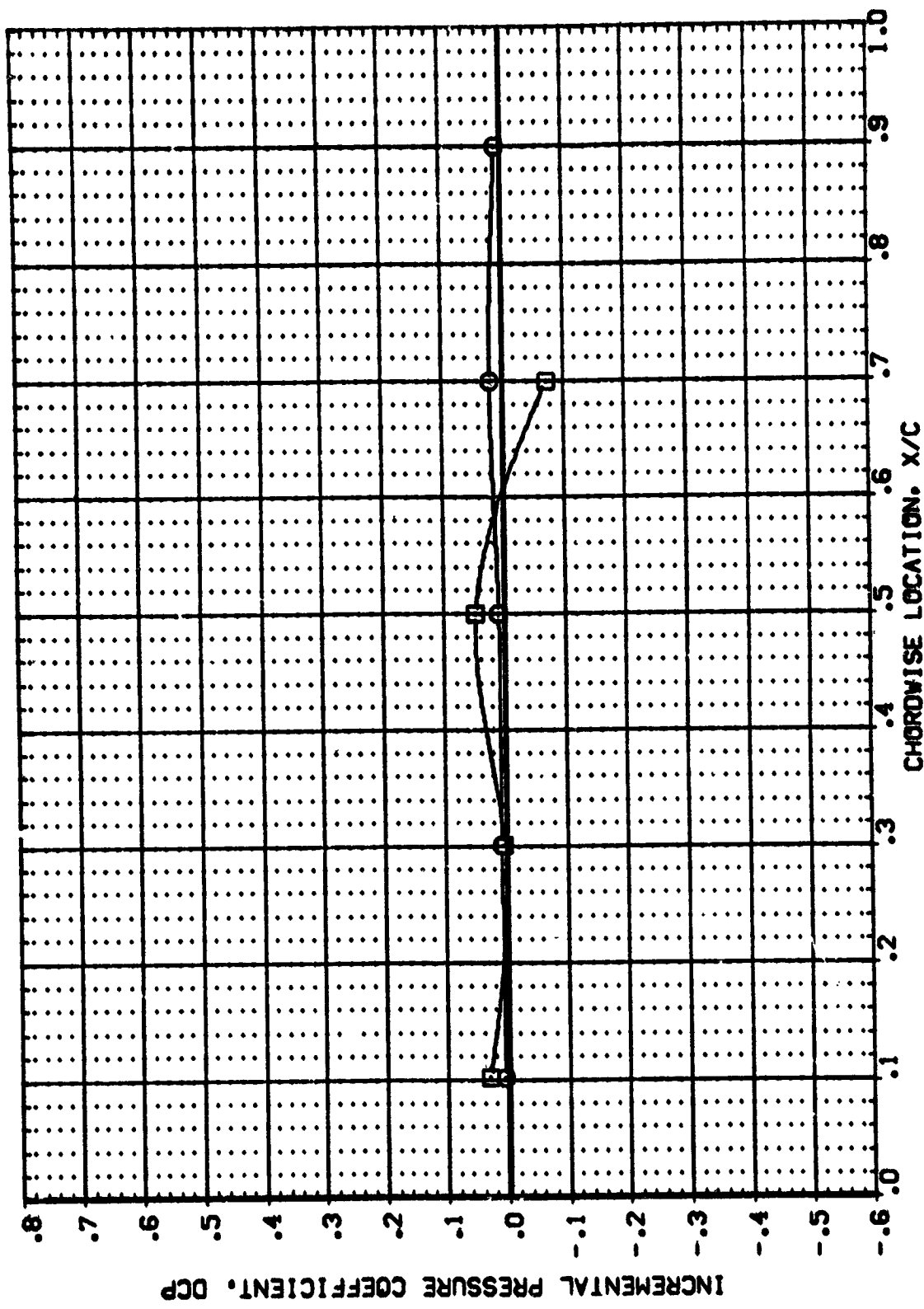


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = -1.760 2Y/B = .500 PAGE 251

DATA SET SYMBOL: (AF4LO8) (AF4LO8) ALPHA: .000 .000  
 CONFIGURATION DESCRIPTION: (C1F1M2I1)+F(ILLET) - (C1F1) UPPER WING  
 (C1F1M2I1)+F(ILLET) - (C1F1) LOWER WING

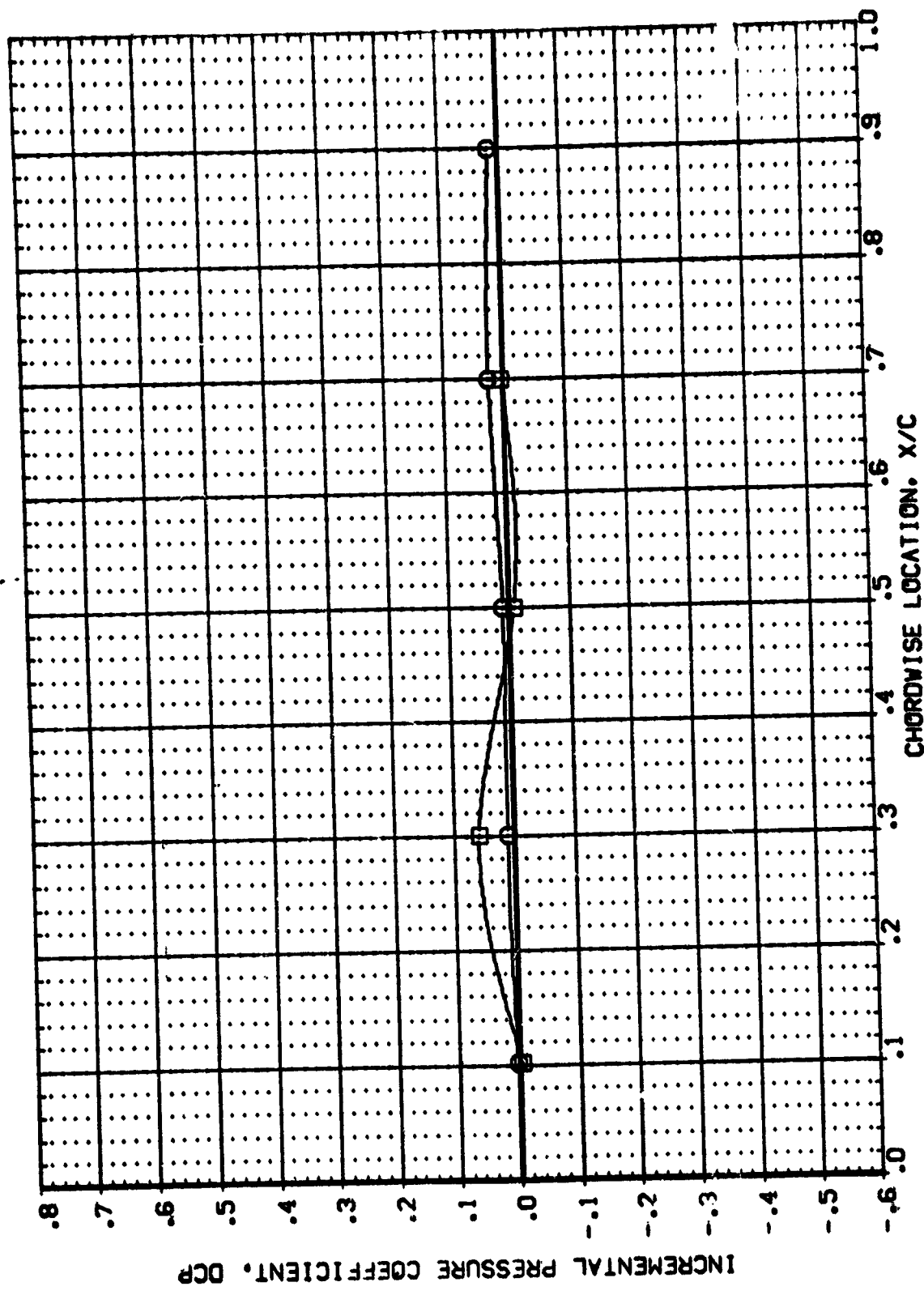


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = .210 2Y/B = .500 PAGE 252



DATA SET SYMB. (AF4LOB) (AF4LOB)   
 CONFIGURATION DESCRIPTION IASB (C1F1M2(1))+FILLET) - (C1F1) UPPER VING ALPHA .000   
 IASB (C1F1M2(1))+FILLET) - (C1F1) LOWER VING .000

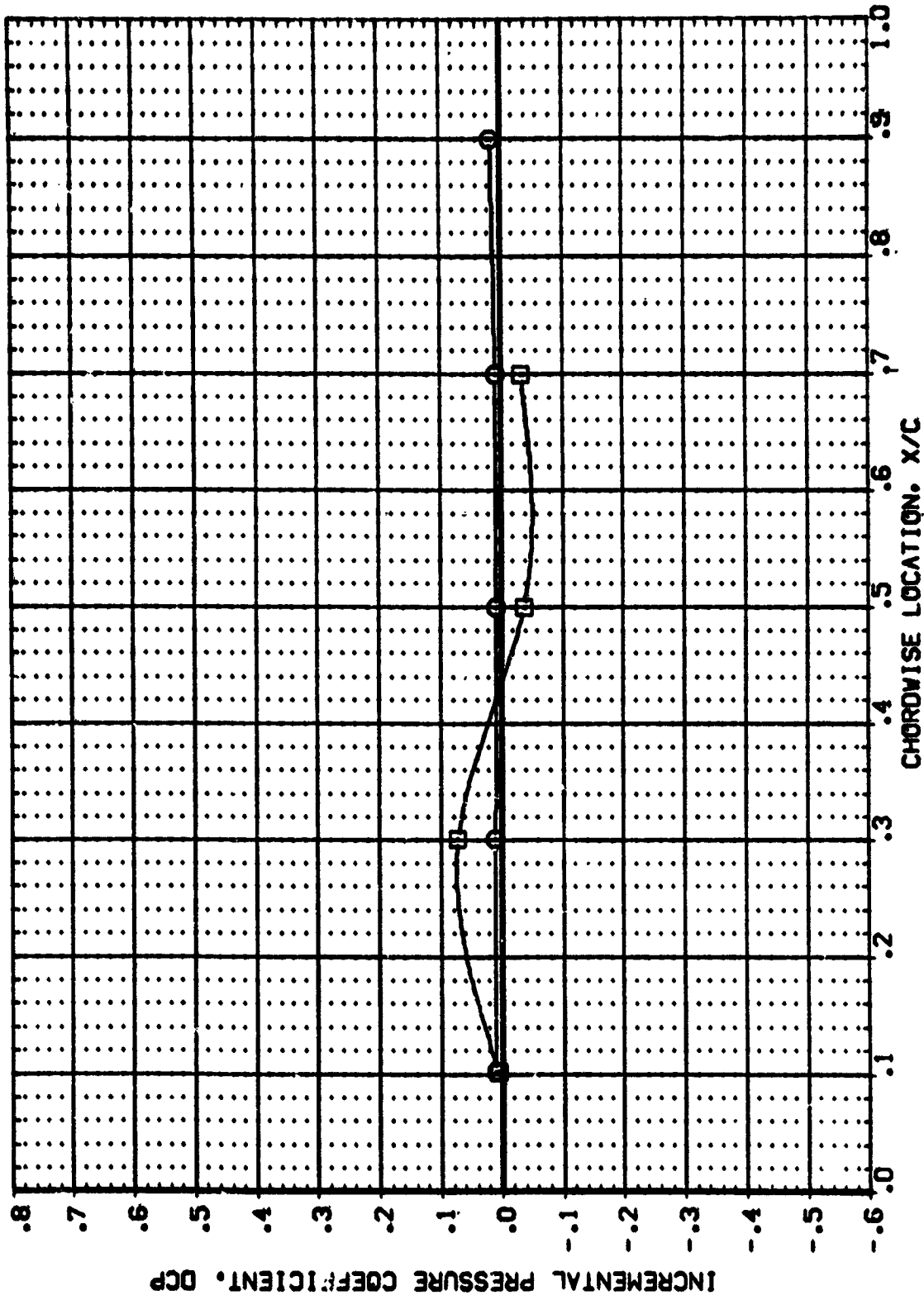


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 2.160 2Y/B = .500

DATA SET SYMBOL. CONFIGURATION DESCRIPTION ALPHA

[AF4LOB] 1A88 (C1F1M2(1))+FILLET) - (C1F1) UPPER WING .000

[AF4LOB] 1A88 (C1F1M2(1))+FILLET) - (C1F1) LOWER WING .000

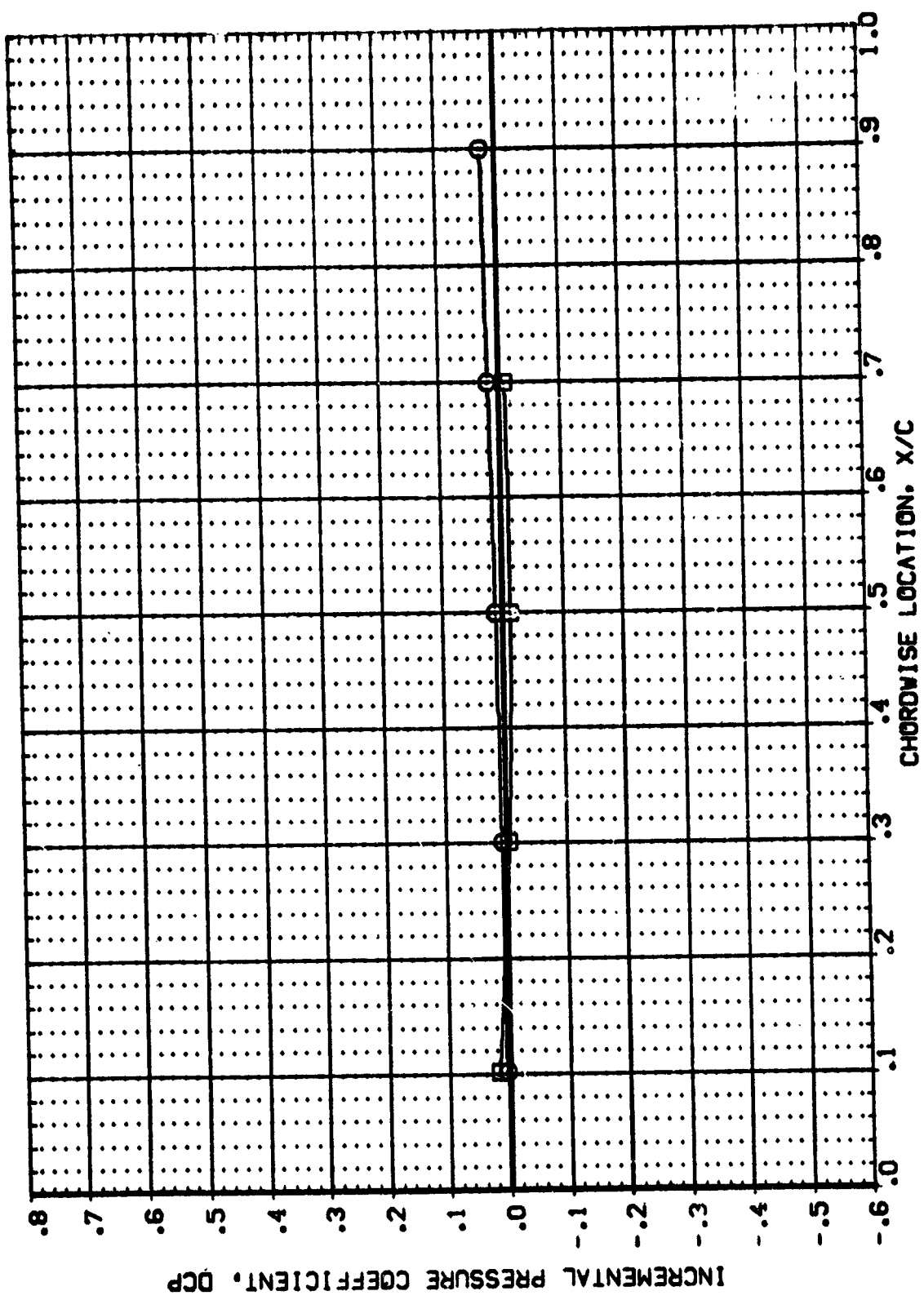


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 4.060 2Y/B = .500 PAGE 254





DATA SET SYMBO. CONFIGURATION DESCRIPTION ALPHA .000

{ AF4U08 } IAGB { C1F1M2(1)+FILLET } - { C1F1 } UPPER WING .000  
 { AF4L08 } IAGB { C1F1M2(1)+FILLET } - { C1F1 } LOWER WING .000

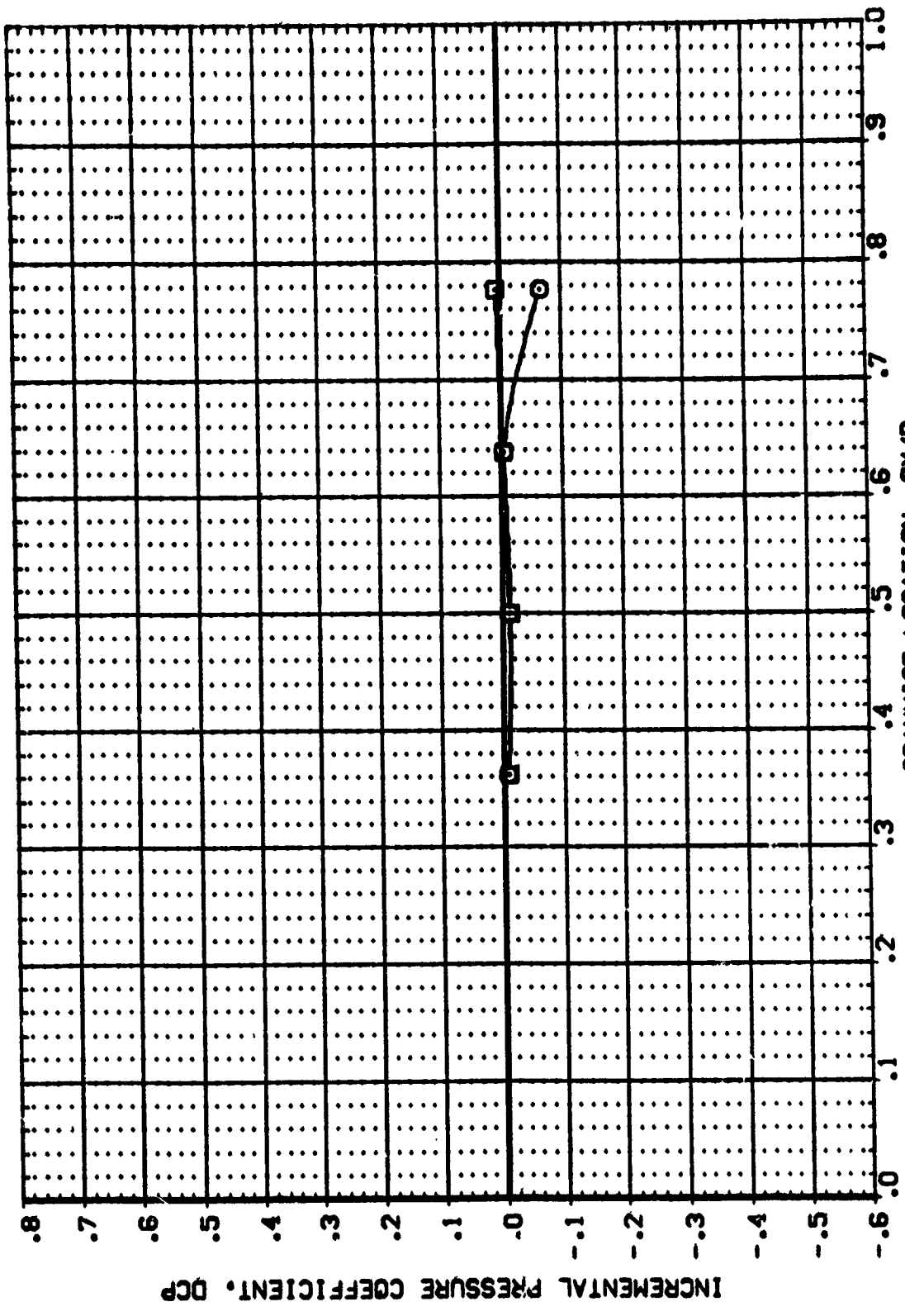
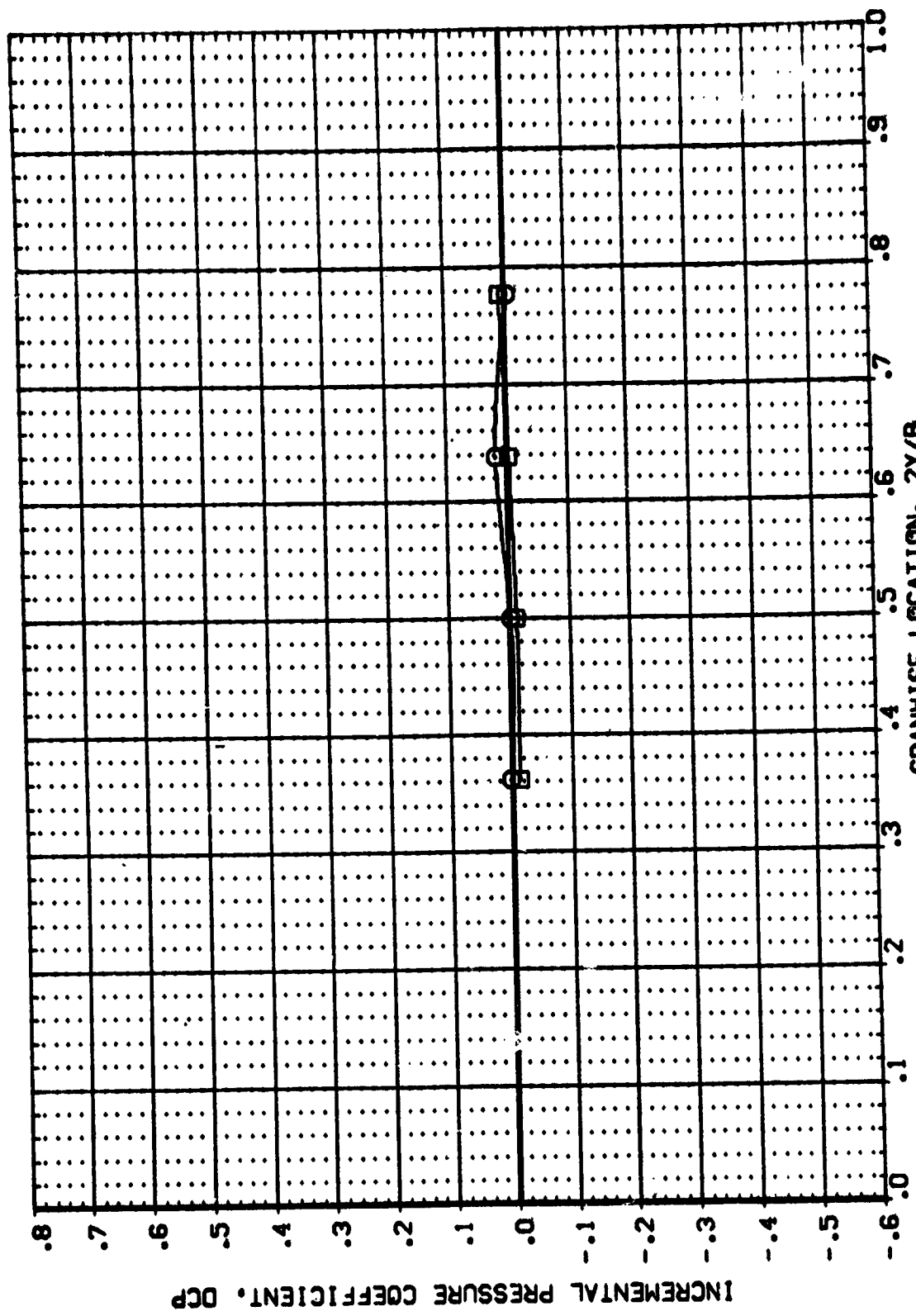


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS



ALPHA  
.000  
.000

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
(AF4LOB) 9 IAGB (C1F1P2(1)+FILLET) - (C1F1) UPPER WING  
(AF4LOB) IAGB (C1F1P2(1)+FILLET) - (C1F1) LOWER WING



SPANWISE LOCATION, 2Y/B

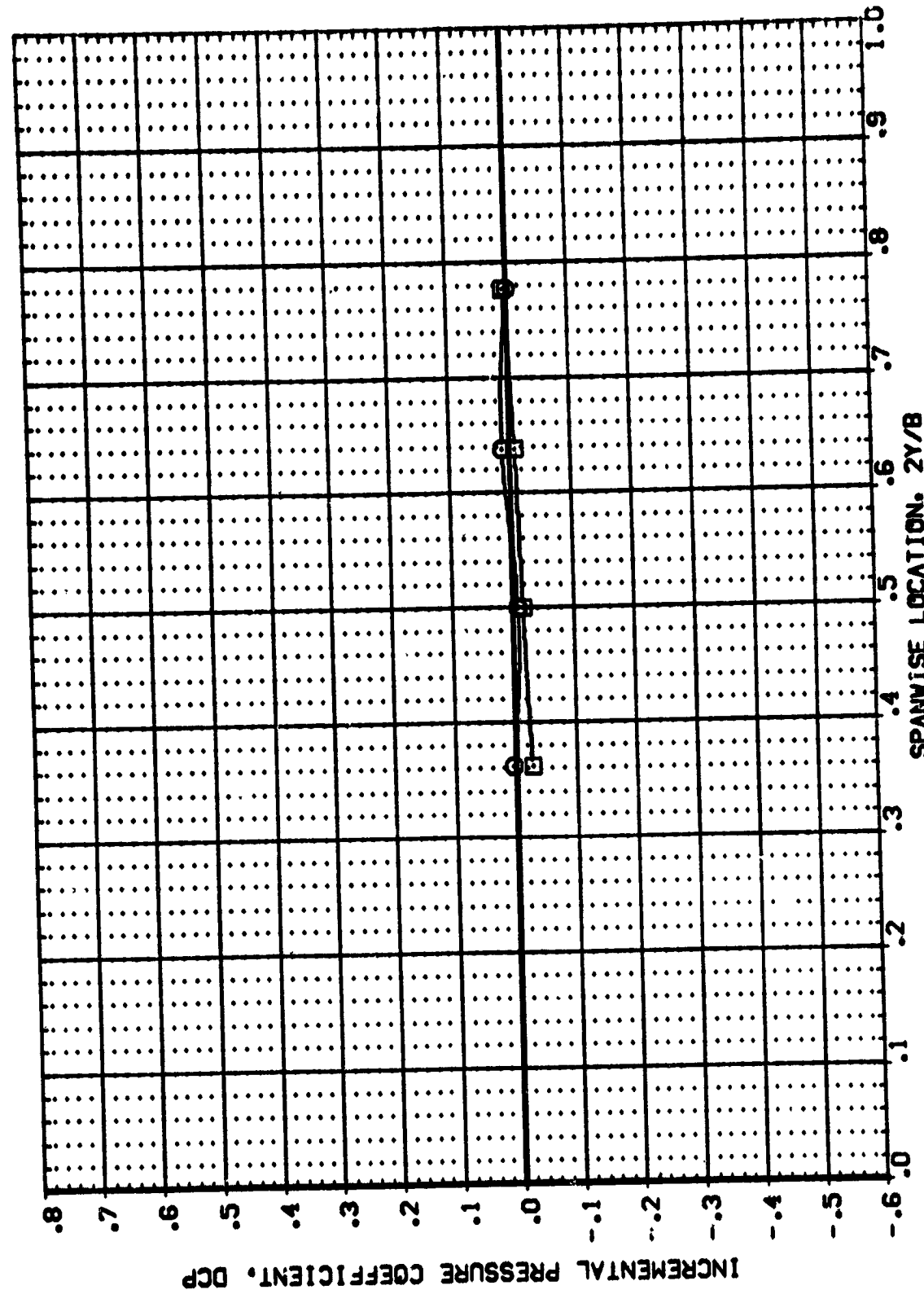
FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -1.950 X/C = .500



ALPHA  
.000  
.000

DATA SET SYMBOL: [AFALOB] [AFALOB]  
CONFIGURATION DESCRIPTION: [AGB (C1F1M2(1))+F(ILLET)] - (C1F1) UPPER WING  
[AGB (C1F1M2(1))+F(ILLET)] - (C1F1) LOWER WING



SPANWISE LOCATION, ZY/B

FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -.030 X/C = .500

ALPHA  
.000  
.000

DATA SET SYMBOL: CONFIGURATION DESCRIPTION  
(AF4LOB) 1A88 (C1F1M2(1)+FILLET) - (C1F1) UPPER WING  
(AF4LOB) 1A88 (C1F1M2(1)+FILLET) - (C1F1) LOWER WING

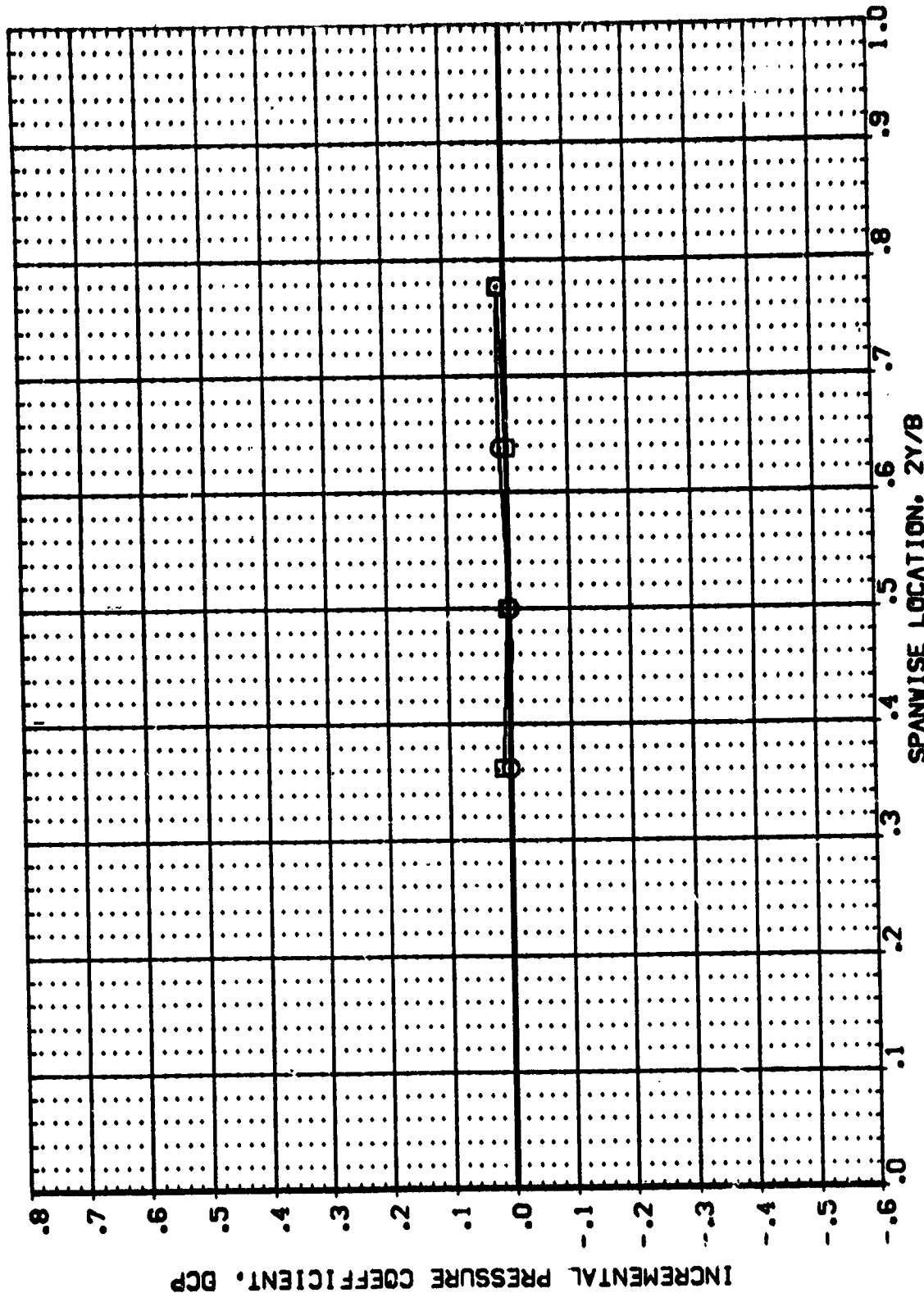
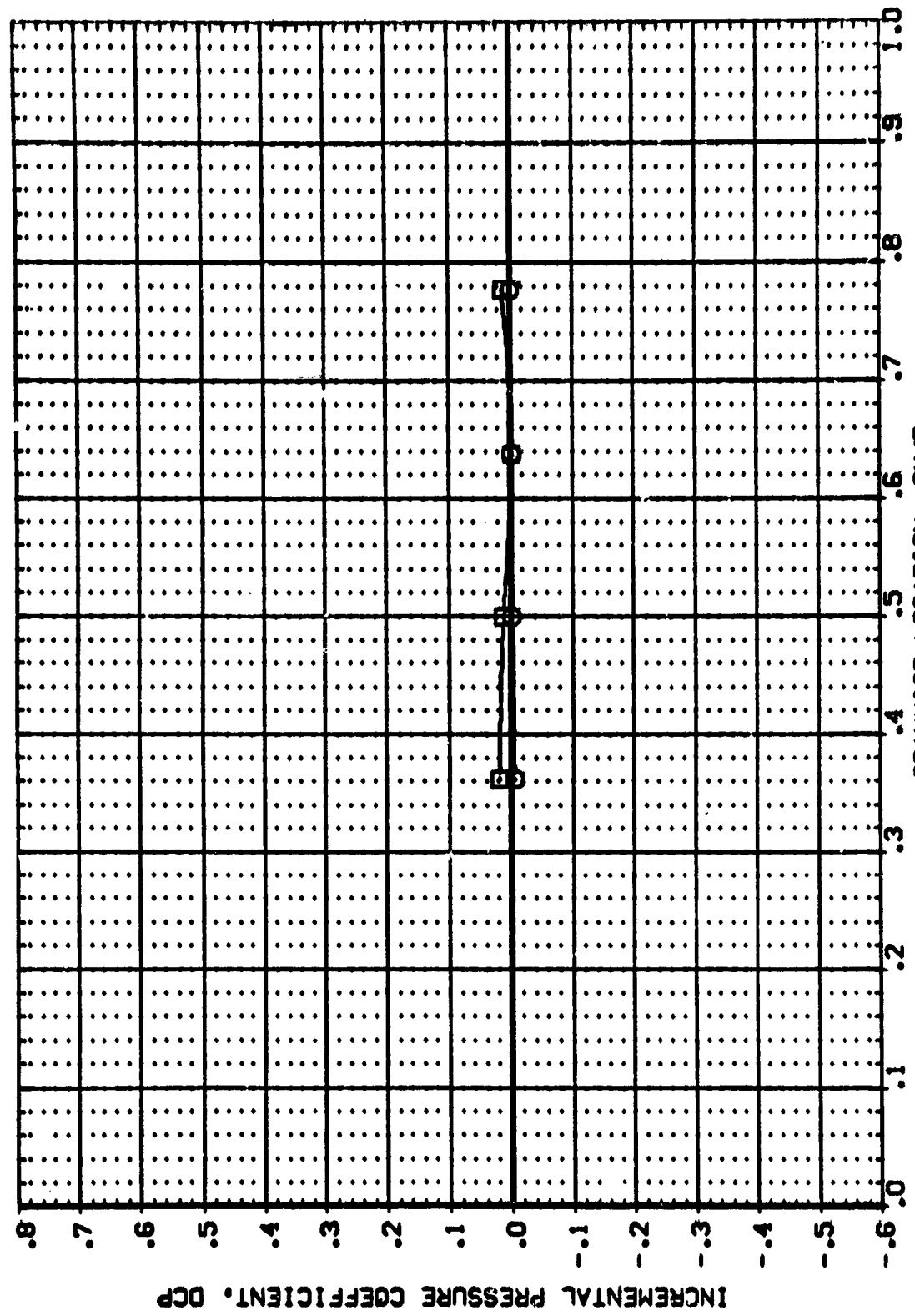


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 1.880 X/C = .500 PAGE 258



DATA SET SYMBOL: [AF4U08] [AF4L08] [AF4U08] [AF4L08]  
 CONFIGURATION DESCRIPTION: IASB (C1F1M2(1))+FILLET) - (C1F1) UPPER WING  
 IASB (C1F1M2(1))+FILLET) - (C1F1) LOWER WING  
 ALPHA: .000  
 .000



SPANWISE LOCATION, ZY/B

FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 3.810 X/C = .500

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DATA SET SYMBS. CONFIGURATION DESCRIPTION ALPHA  
 (A'4L08) 1A88 (C1F1M2(1)+FILLET) - (C1F1) UPPER WING .000  
 (AF4L08) 1A88 (C1F1M2(1)+FILLET) - (C1F1) LOWER WING .000

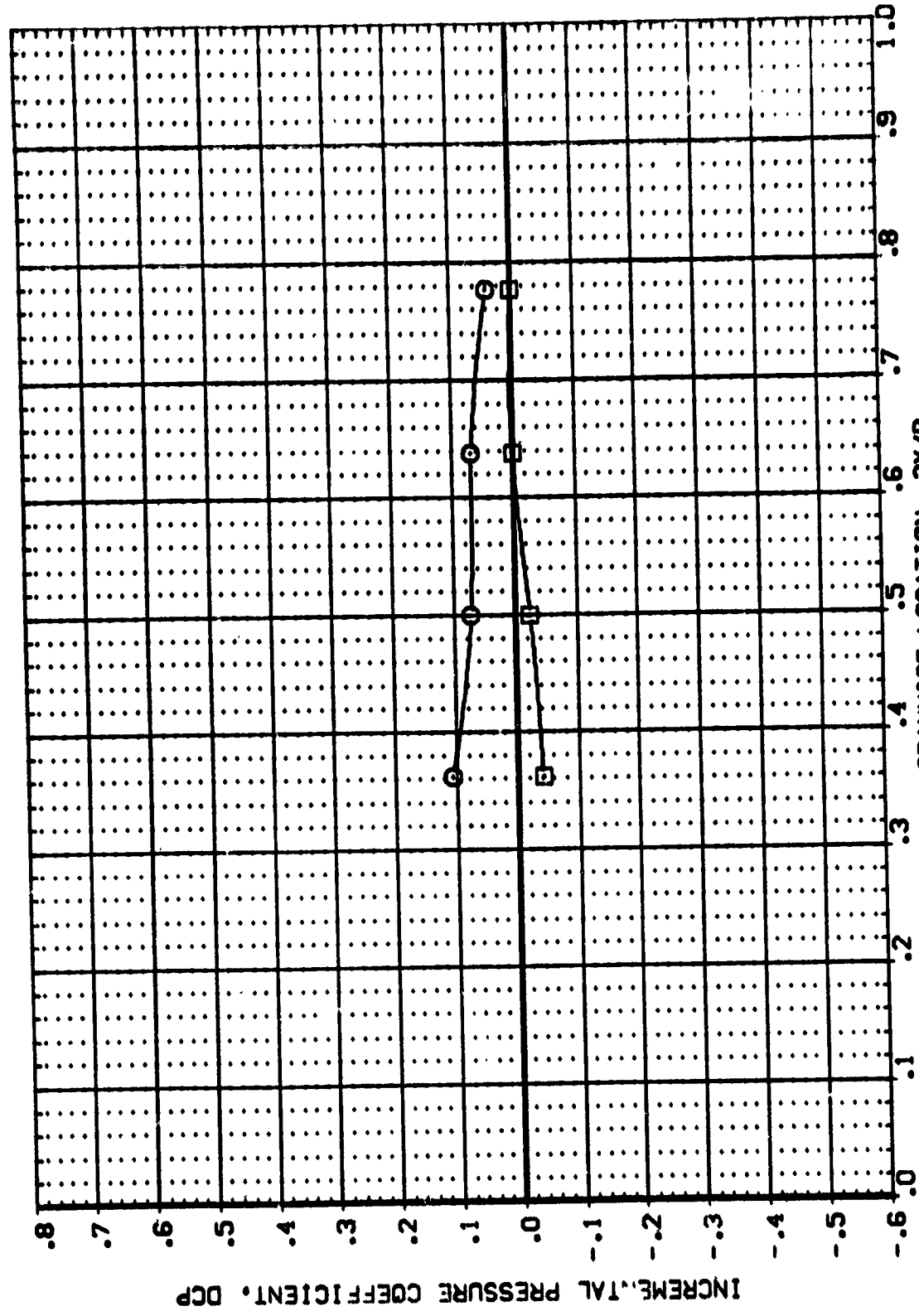
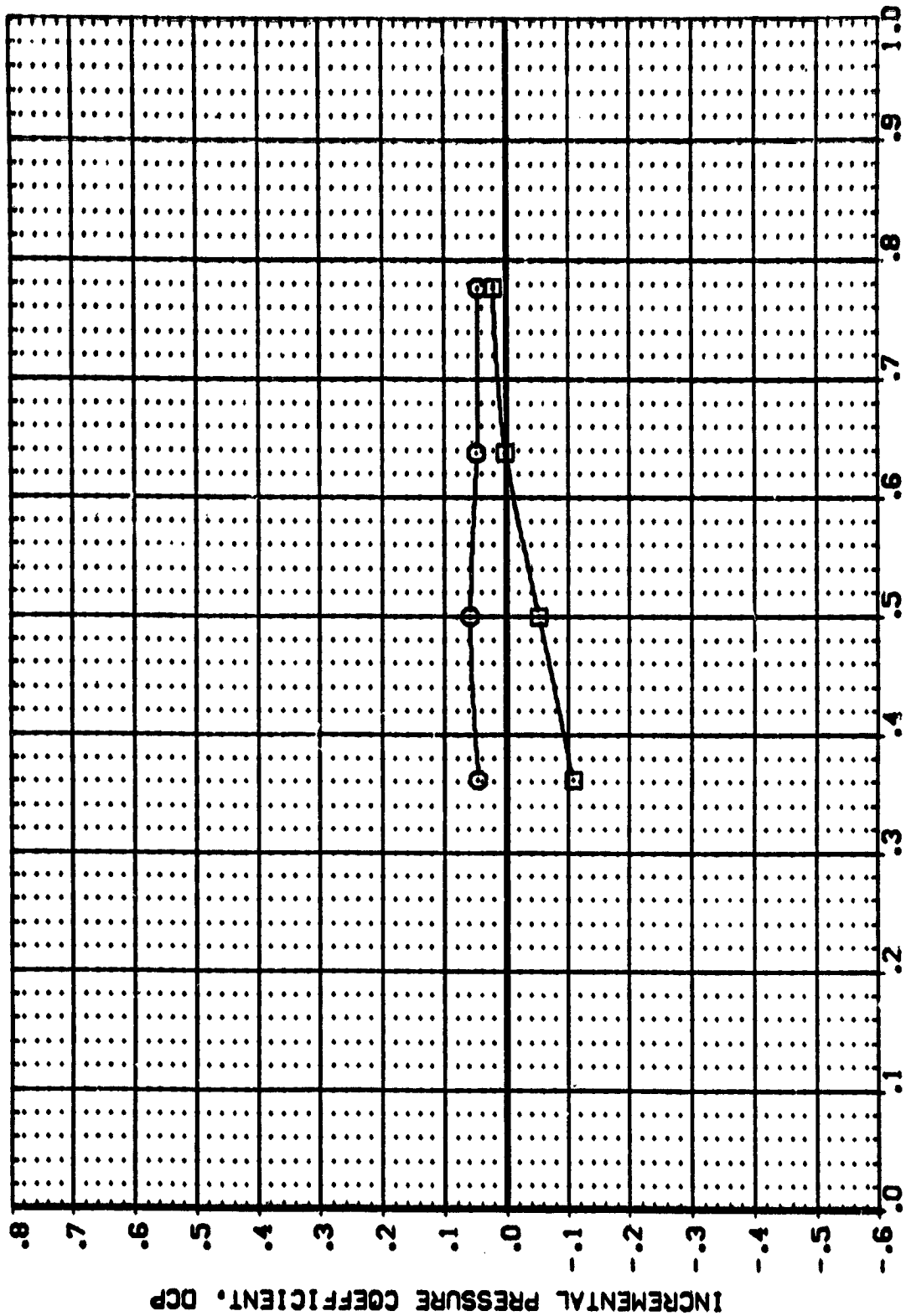


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = -3.880 X/C = .500 SPANWISE LOCATION, 2Y/B PAGE 260



DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: ALPHA .000  
 {AF4LOB} 1A88 {C1F1M21}+FILLET) - {C1F1} UPPER WING  
 {AF4LOB} 1A88 {C1F1M21}+FILLET) - {C1F1} LOWER WING



SPANWISE LOCATION, ZY/B

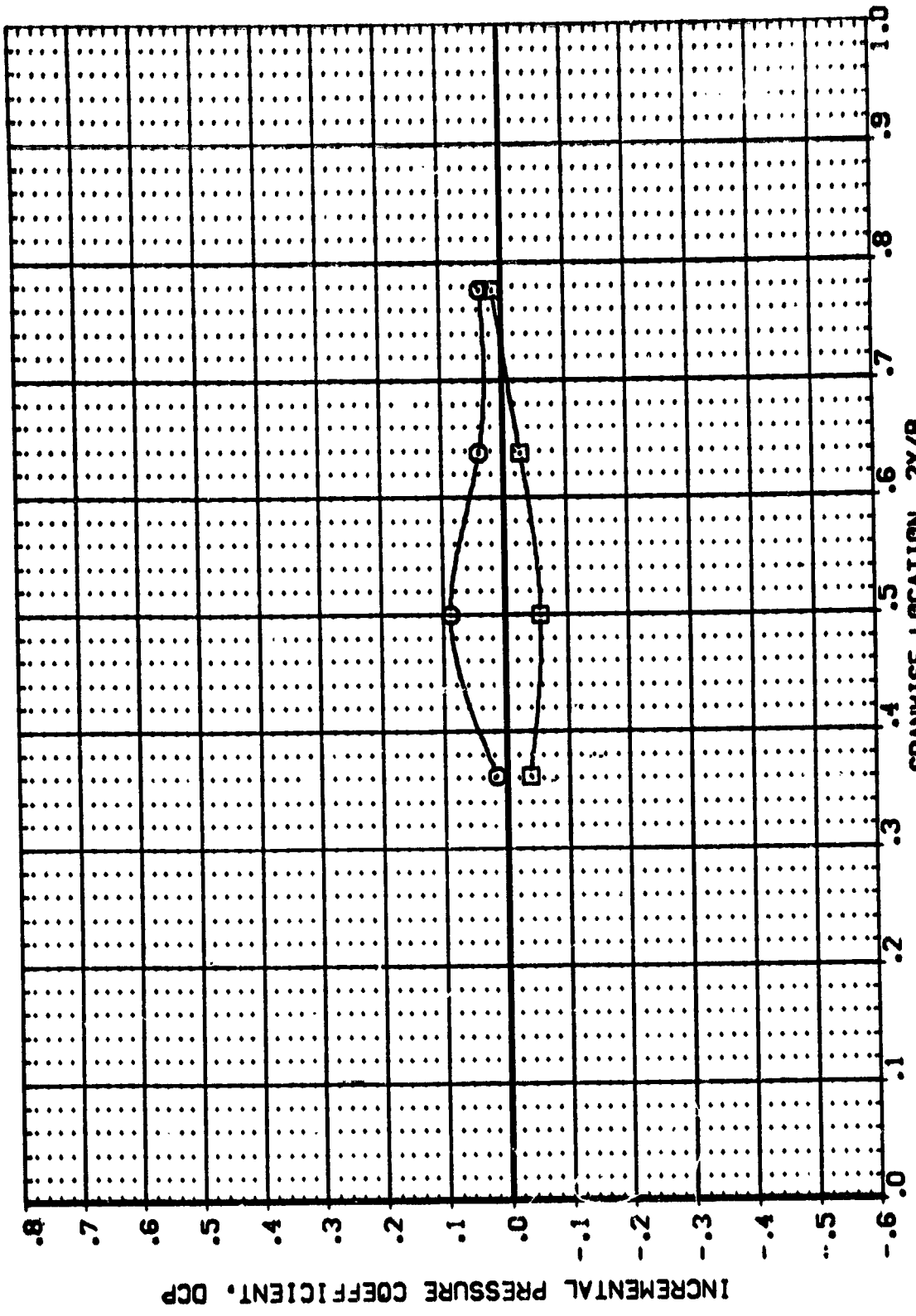
FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = -1.830 X/C = .500

DATA SET SYMB. CONFIGURATION DESCRIPTION ALPHA

1A88 (C1F1N2(1))+FILLET) - (C1F1) UPPER WING .000

1A88 (C1F1N2(1))+FILLET) - (C1F1) LOWER WING .000



SPANWISE LOCATION, ZY/B

FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = .140 X/C = .500 PAGE 262





DATA SET SYMBOL:  (AF4LOB)    CONFIGURATION DESCRIPTION: ALPHA: .000  
 (AF4LOB)    IAGB (C1F1M2(1)+FILLET) - (C1F1) UPPER WING    .000  
 (AF4LOB)    IAGB (C1F1M2(1)+FILLET) - (C1F1) LOWER WING    .000

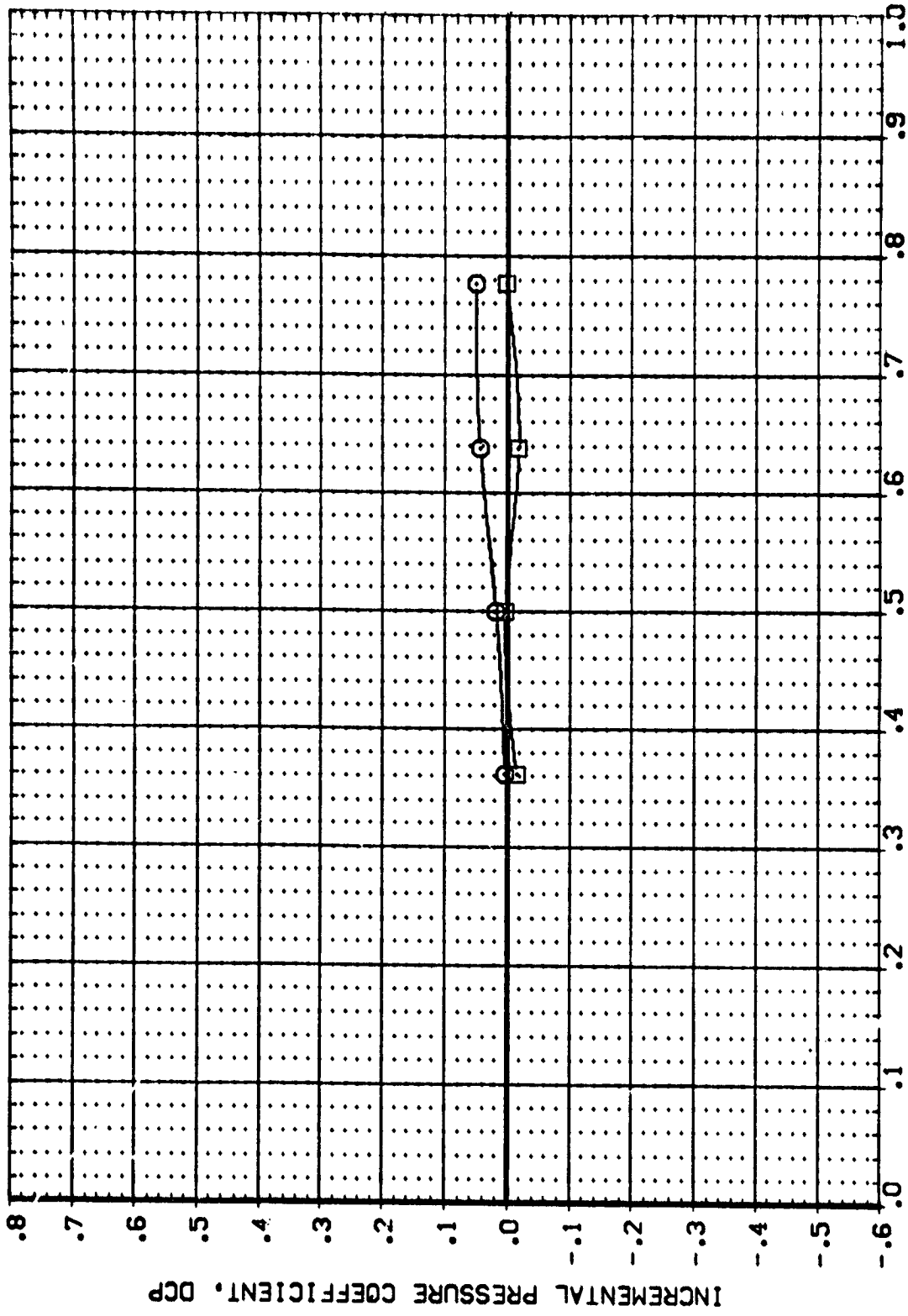


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS  
MACH = 1.210    BETA = 4.070    X/C = .500    PAGE 263

DATA SET SYMBOL: [AF4L08] [AF4L08] ALPHA .000  
 [AF4L08] [AF4L08] .000  
 CONFIGURATION DESCRIPTION: [C1F1] UPPER WING  
 [C1F1M2(1)+FILLET] - [C1F1] LOWER WING  
 [C1F1M2(1)+FILLET] - [C1F1]

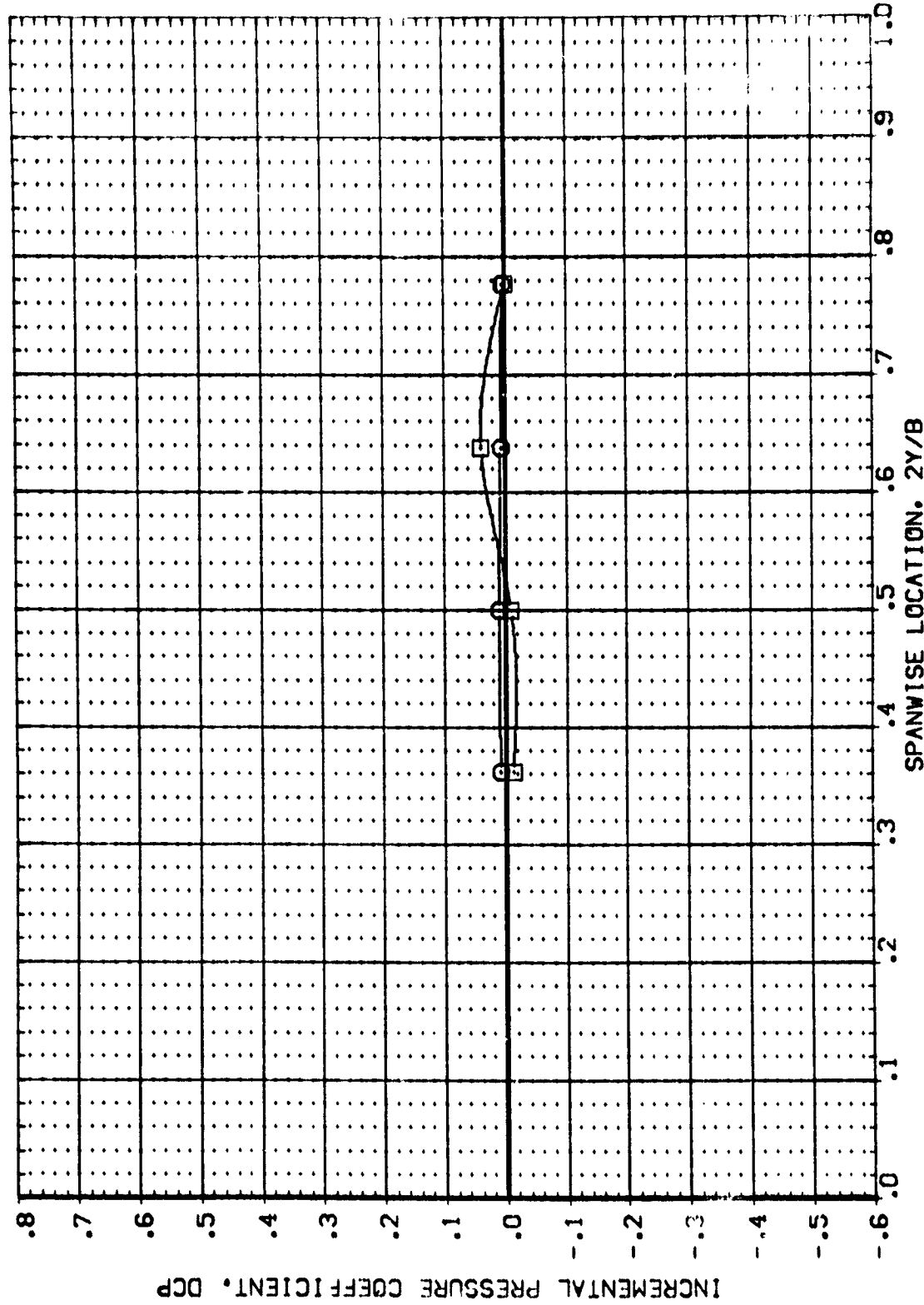


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.99; BETA = -3.800 X/C = .500



DATA SET SYMBOL: [AF4LO8] [AF4LO8] CONFIGURATION DESCRIPTION: [A68 (C1F1M2(1)+FILLET) - (C1F1) UPPER WING] [A68 (C1F1M2(1)+FILLET) - (C1F1) LOWER WING] ALPHA: .000 .000

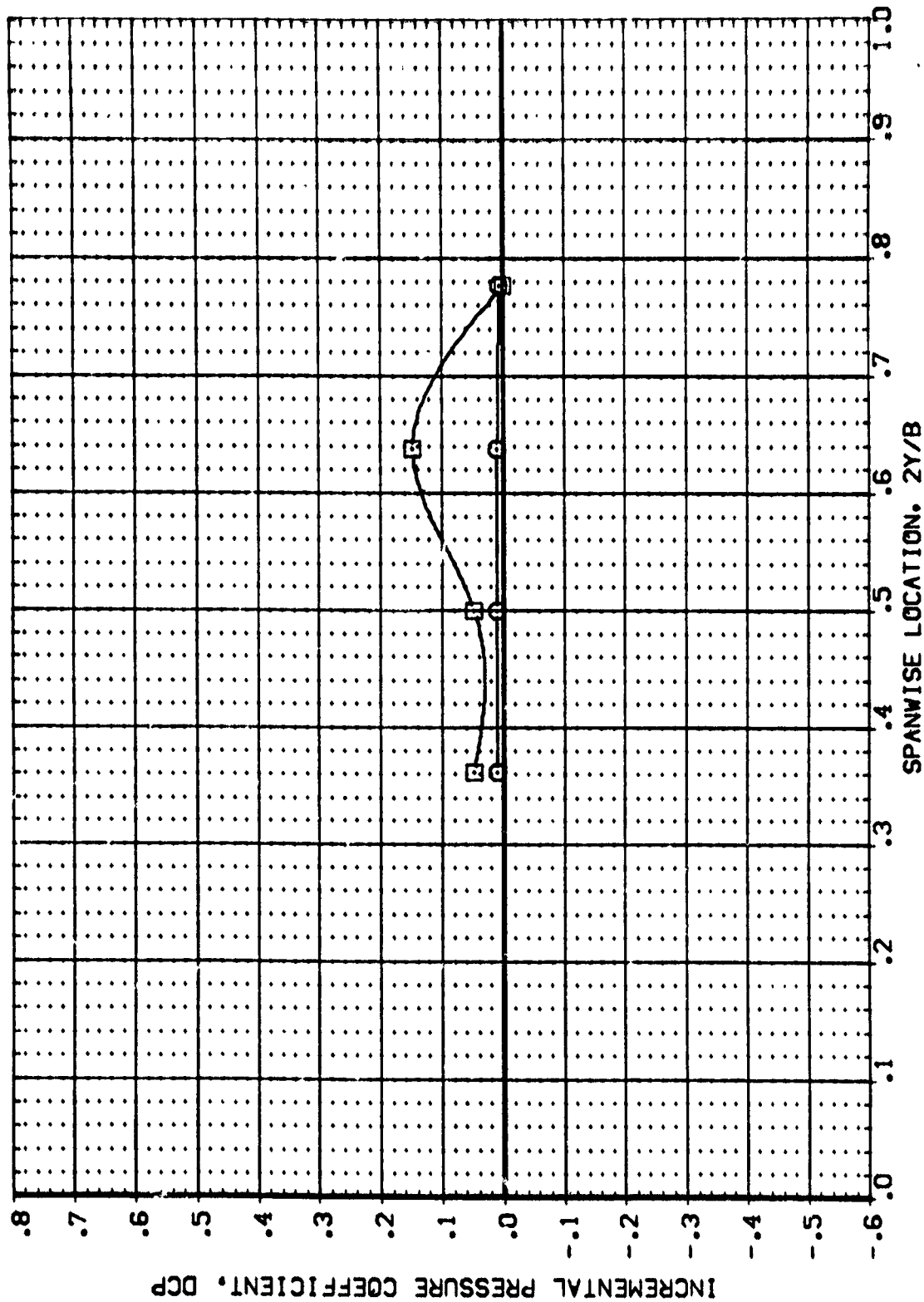


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = -1.760 X/C = .500

DATA SET SYMBOL: 9  
 [AF4LO8] [AF4LO8]  
 CONFIGURATION DESCRIPTION: 1A68 (C1F1M2(1)+FILLET) - (C1F1) UPPER WING  
 1A68 (C1F1M2(1)+FILLET) - (C1F1) LOWER WING

ALPHA  
 .000  
 .000

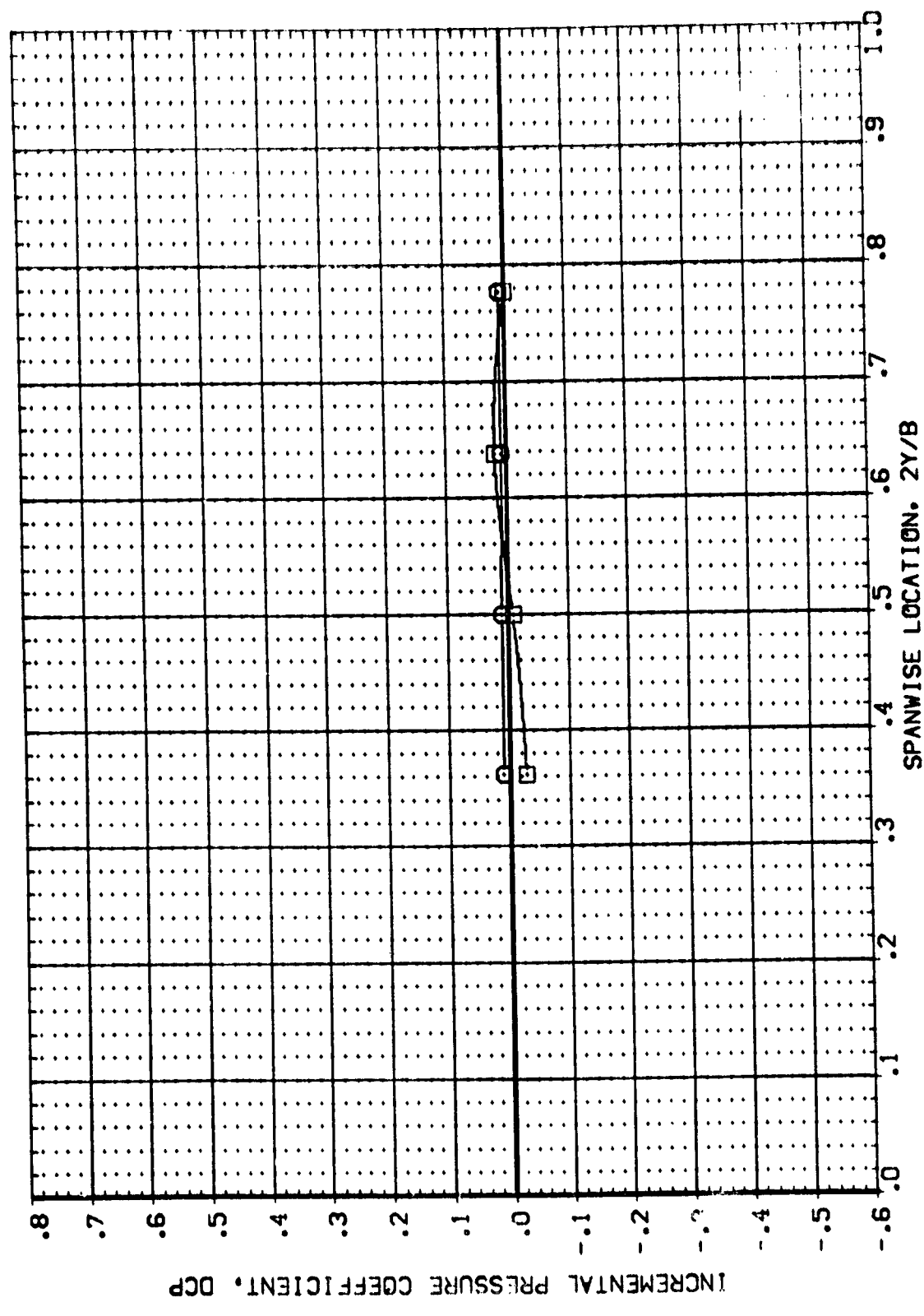


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = .210 X/C = .500 SPANWISE LOCATION, 2Y/B PAGE 266



ALPHA  
.000  
.000

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
{AF4LOB}    [ASB {C1F1M2{1}}+FILLET] - {C1F1} UPPER WING  
{AF4LOB}    [ASB {C1F1M2{1}}+FILLET] - {C1F1} LOWER WING

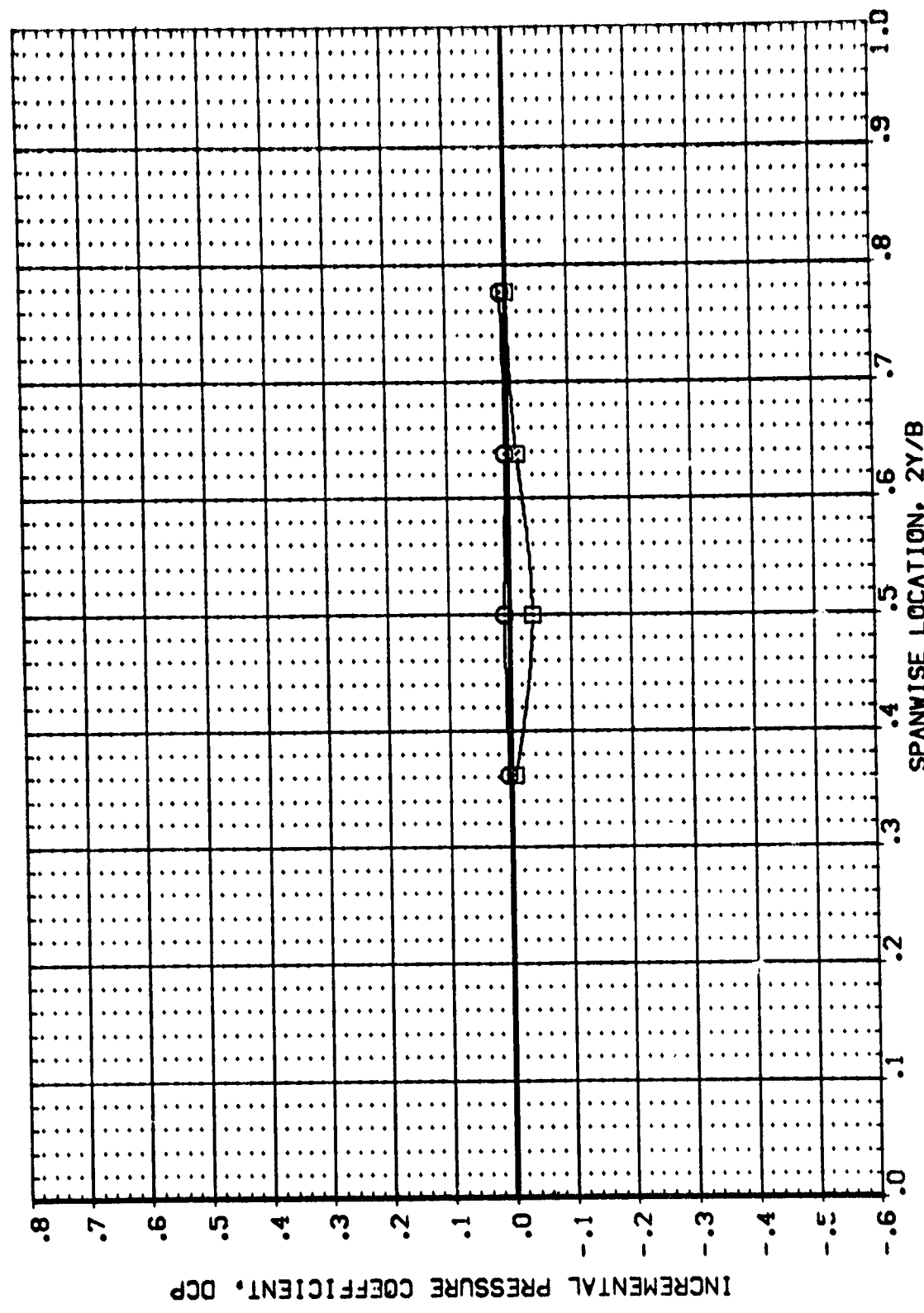


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991    BETA = 2.160    X/C = .500

DATA SET SYMBOL: [AF4LOB] [AF4LOB] ALPHA .000  
 CONFIGURATION DESCRIPTION: [A68] [C1F1M2(1)+FILLET] - [C1F1] UPPER WING .000  
 [A68] [C1F1M2(1)+FILLET] - [C1F1] LOWER WING

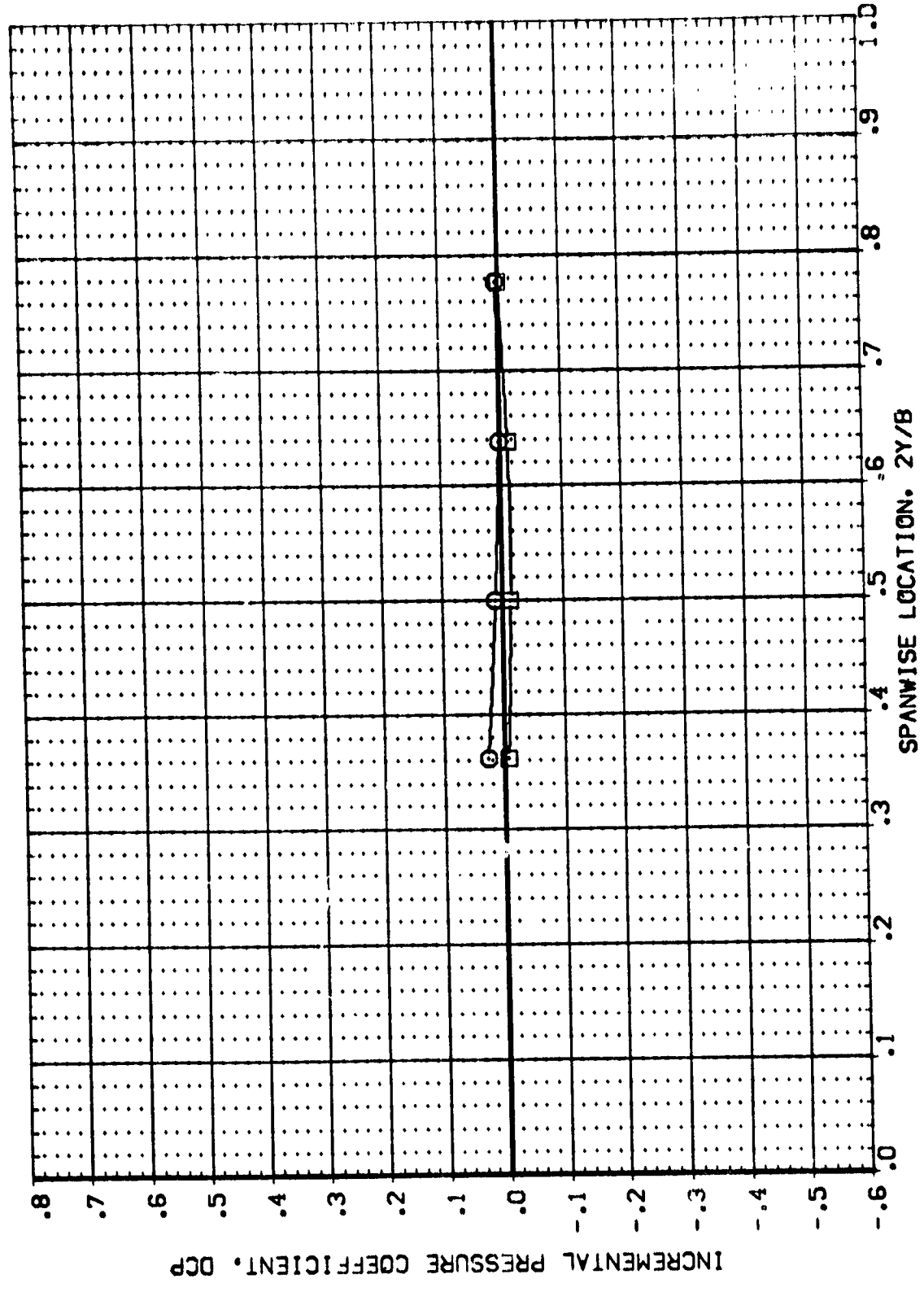


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 4.060 X/C = .500 PAGE 268



DATA SET SYMBOL: [AF4U10] [AF4L10]   
 CONFIGURATION DESCRIPTION: [A68 { C1F1M311}M4(1)] - [C1F1] UPPER WING   
 [A68 { C1F1M311}M4(1)] - [C1F1] LOWER WING

ALPHA   
 .000   
 .000

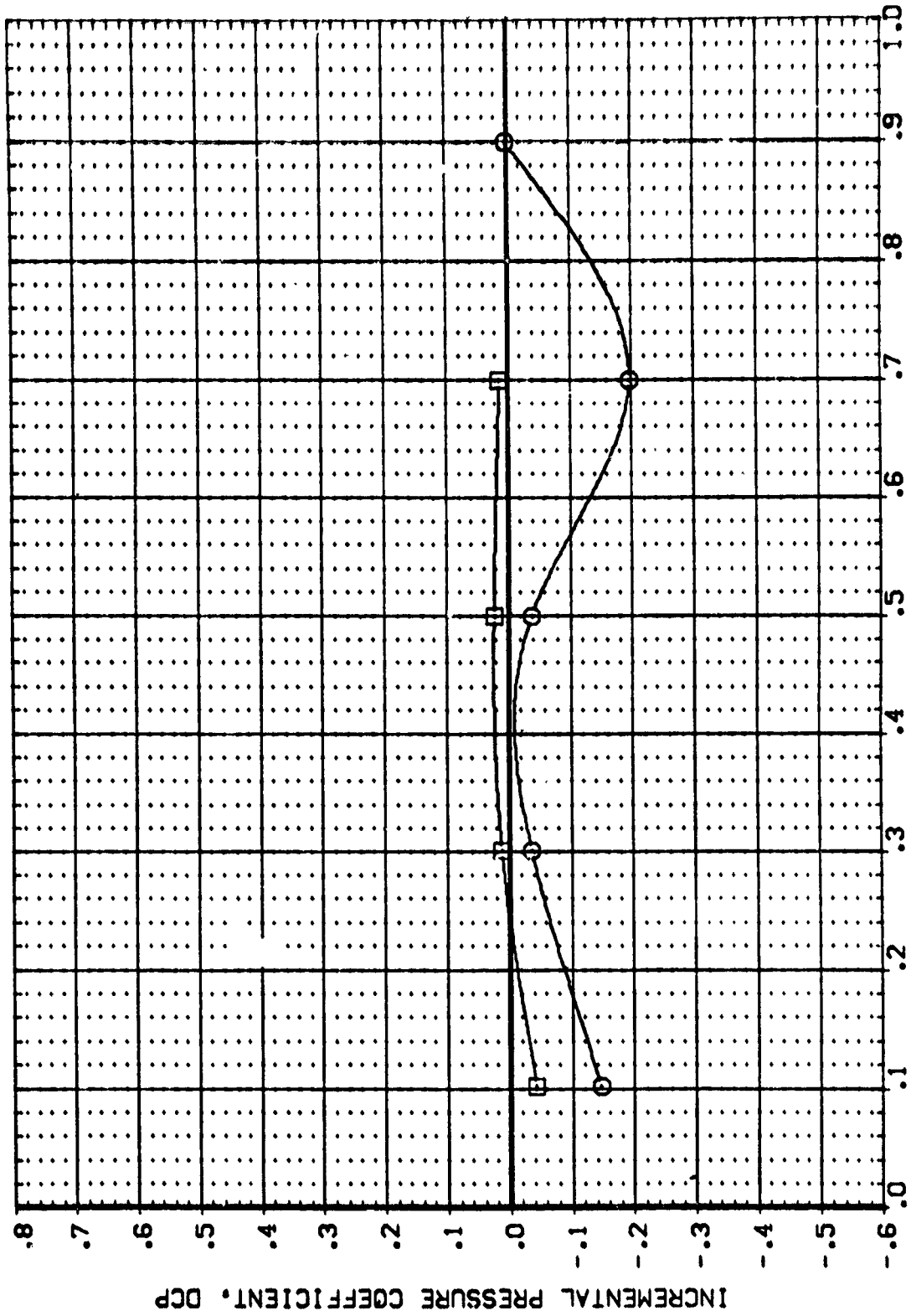


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897 BETA = -3.920 2Y/B = .500

DATA SET SYMBOL: [AF4L10] [AF4L10] [AF4L10]  
 CONFIGURATION DESCRIPTION: [A68 { C1F1G(1)M4(1) } - { C1F1 } UPPER WING] [A68 { C1F1G(1)M4(1) } - { C1F1 } LOWER WING]

ALPHA: .000  
 .000

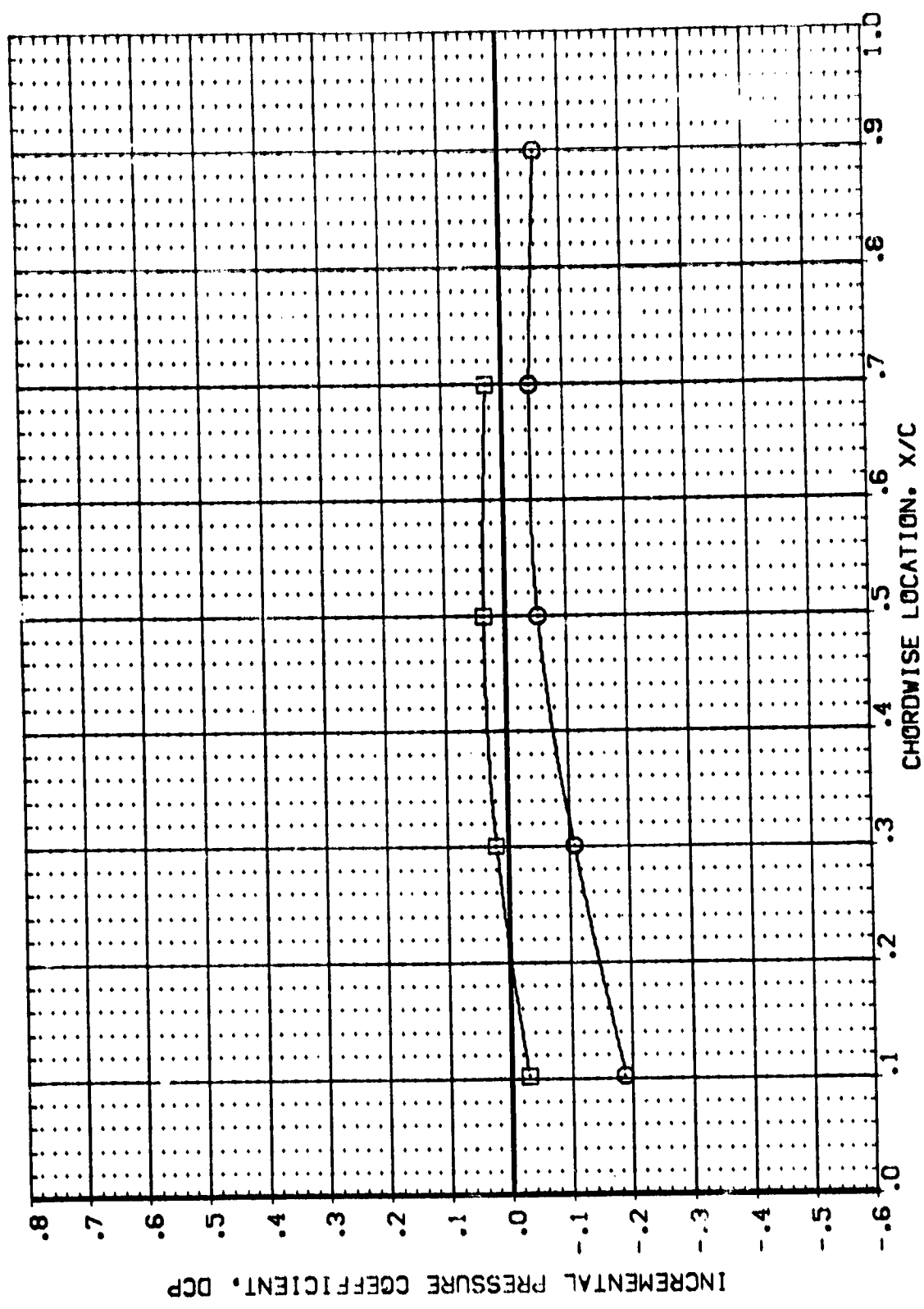


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897 BETA = -1.970 2Y/B = .500





DATA SET SYMBOL: (AF4L10) (AF4L10)   
 CONFIGURATION DESCRIPTION: 1A58 { C1F1G(1)M4(1) } - (C1F1) UPPER WING   
 1A68 { C1F1G(1)M4(1) } - (C1F1) LOWER WING

ALPHA: .000   
 .000

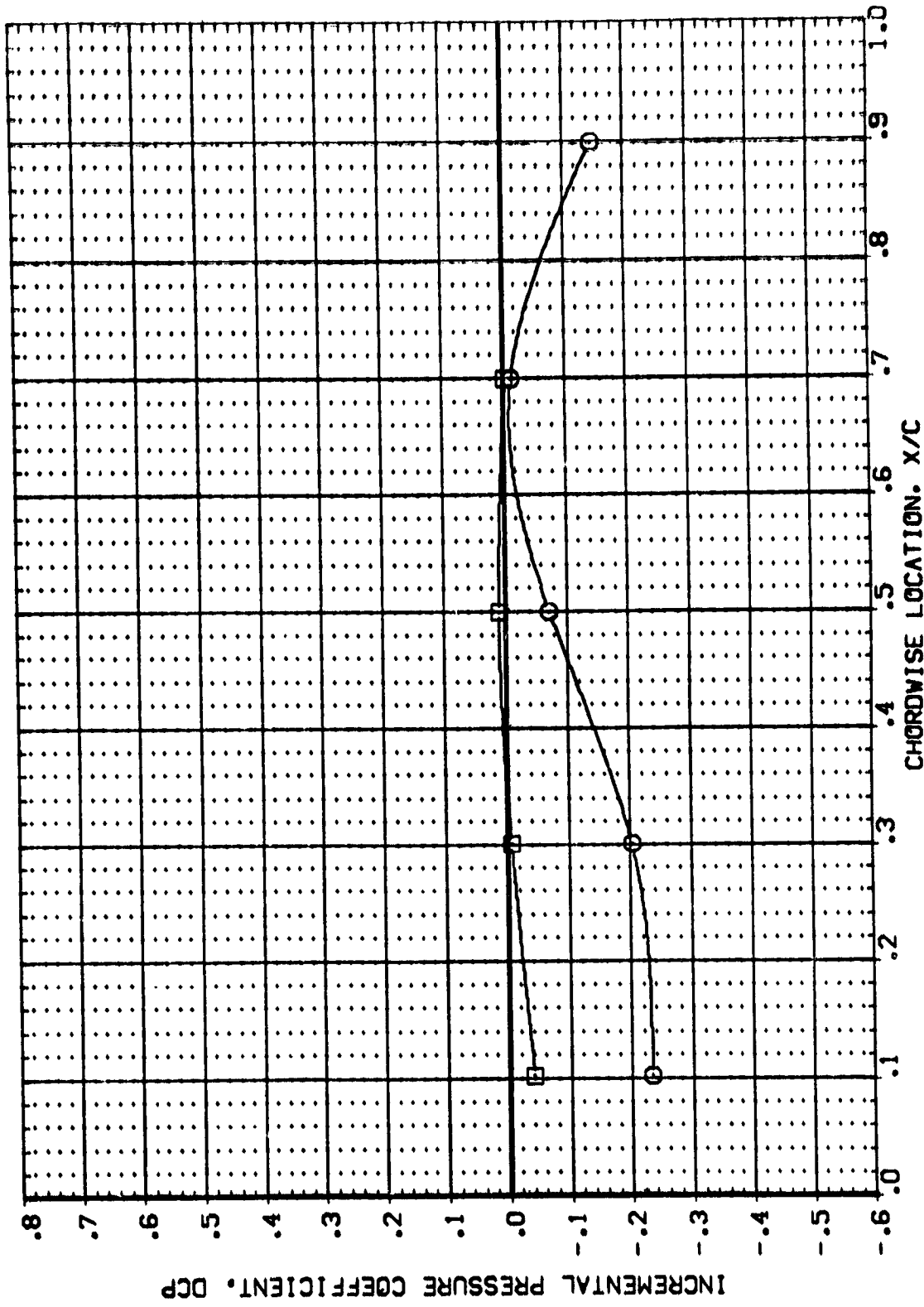


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897 BETA = -.050 2Y/B = .500 PAGE 271



DATA SET SYMBOL: [A68] [AF4U10] [AF4L10]      CONFIGURATION DESCRIPTION: [C1F1M4(1)] [C1F1] UPPER WING [C1F1M4(1)] [C1F1] LOWER WING      ALPHA: .000 .000

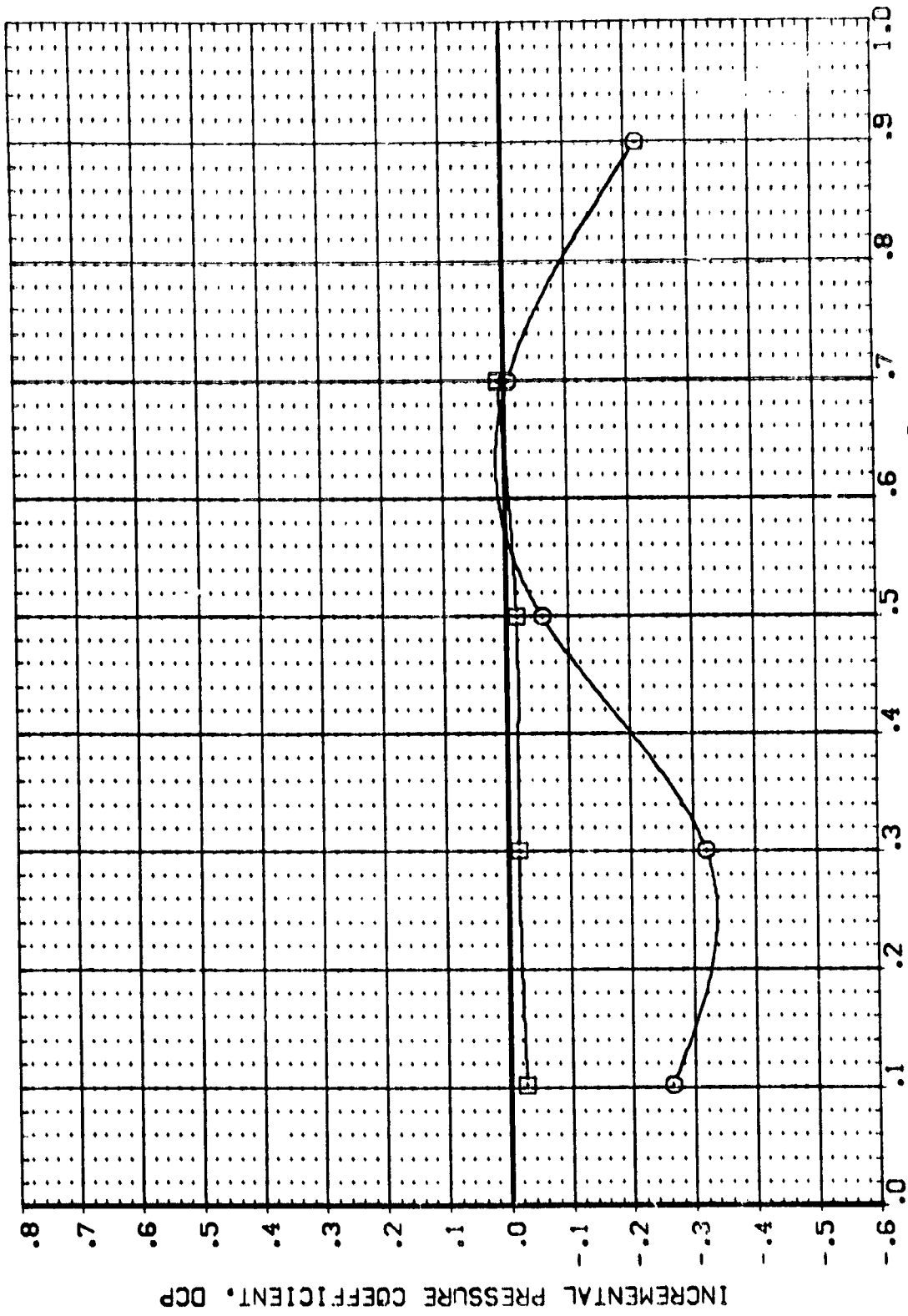


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897    BETA = 1.830    2Y/B = .500    PAGE 272



DATA SET SYMBOL    CONFIGURATION DESCRIPTION    ALPHA

(AF4J10)    [A58 { C1F13(1)M4(1) } - { C1F1 } UPPER WING    .000

(AF4L10)    [A58 { C1F13(1)M4(1) } - { C1F1 } LOWER WING    .500

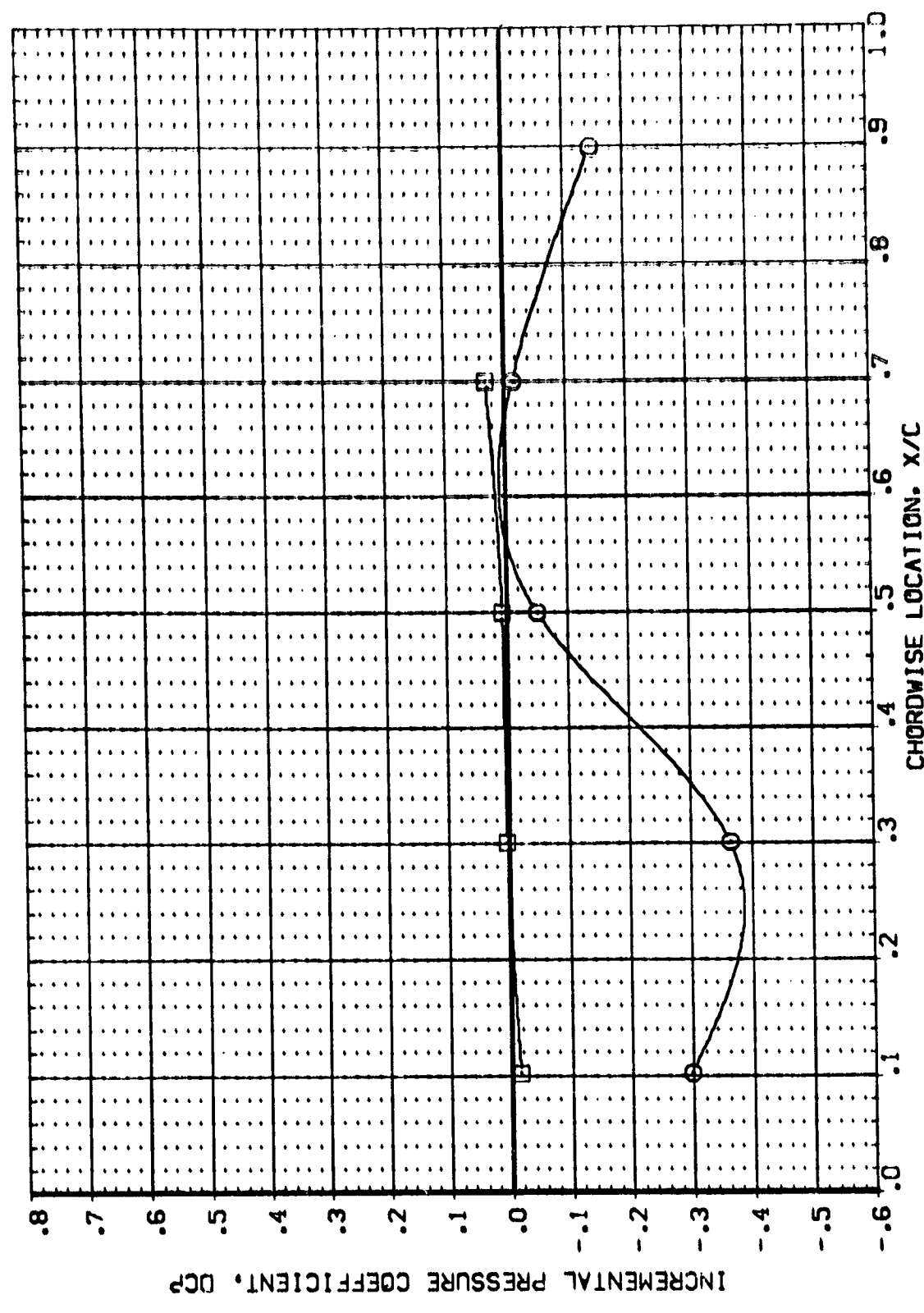


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACR = .897    BETA = 3.840    2Y/B = .500

ALPHA  
.000  
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
[AF4-10] O [AF8 [ C1F1M3(1)M4(1) ] - [C1F1] UPPER WING  
[AF4-10] □ [AF8 [ C1F1M3(1)M4(1) ] - [C1F1] LOWER WING

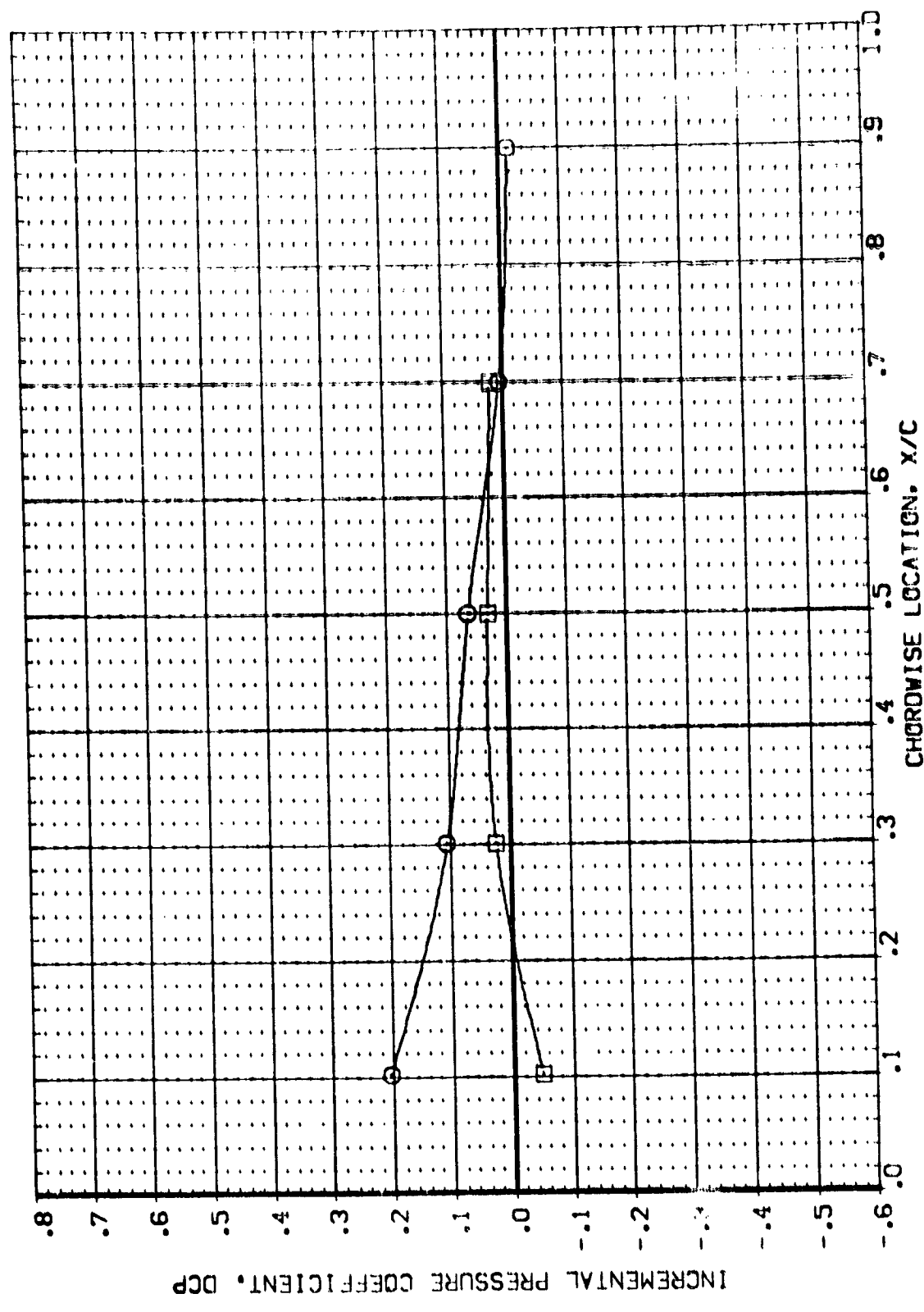


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = -3.930 2Y/B = .500 PAGE 274



DATA SET SYMBOL: 9  
 [AF4:10] IASB ( C1F1M3(1)M4(1) ) - (C1F1) UPPER WING  
 [AF4:10] IASB ( C1F1M3(1)M4(1) ) - (C1F1) LOWER WING  
 ALPHA: .000  
 .000

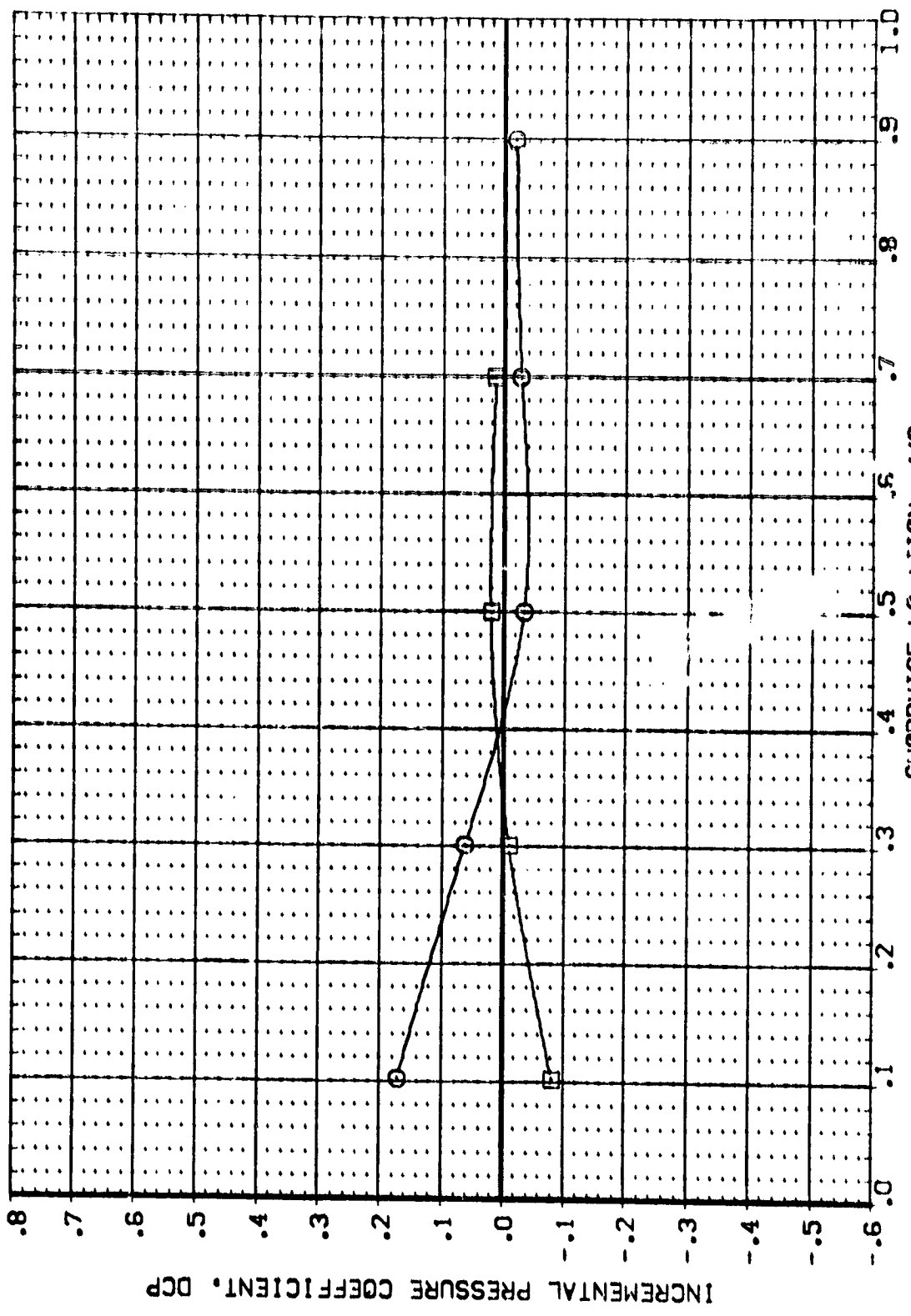


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MAC = 0.2:0 BETA = -2.070 2Y/B = 0

DATA SET SYMBOL: [AF4U10] [AF4L10] ALPHA .000 .000  
 CONFIGURATION DESCRIPTION: [A68 { C1F1M3(1)M4(1) } - {C1F1} UPPER WING] [A68 { C1F1M3(1)M4(1) } - {C1F1} LOWER WING]

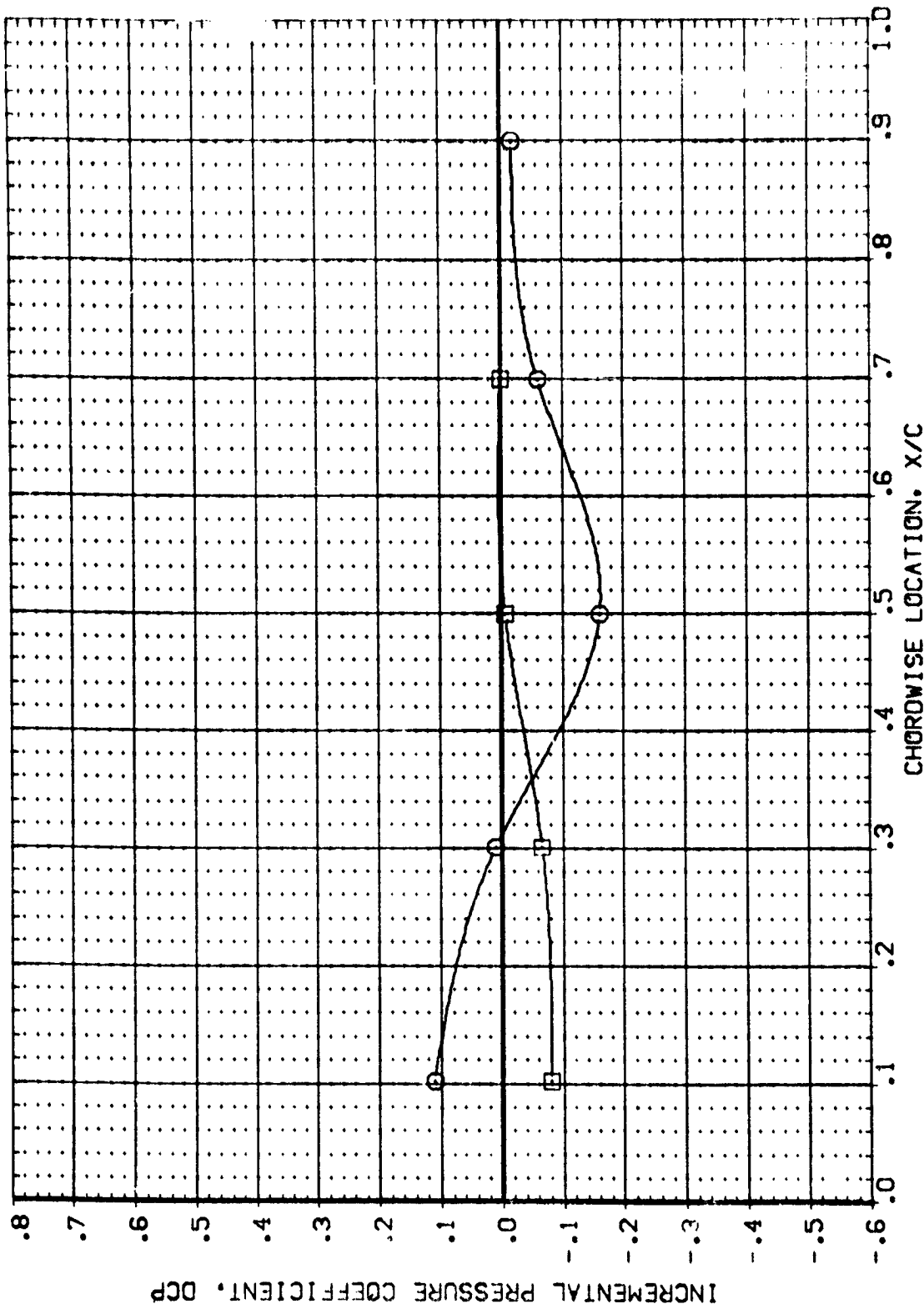


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .210 BETA = -.130 2Y/B = .500



DATA SET SYMBOL    CONFIGURATION DESCRIPTION    ALPHA

[AF410]    □    [A68 { C1F1R3(1)M4(1) } - {C1F1}] UPPER WING    .000

[AF410]    □    [A68 { C1F1R3(1)M4(1) } - {C1F1}] LOWER WING    .000

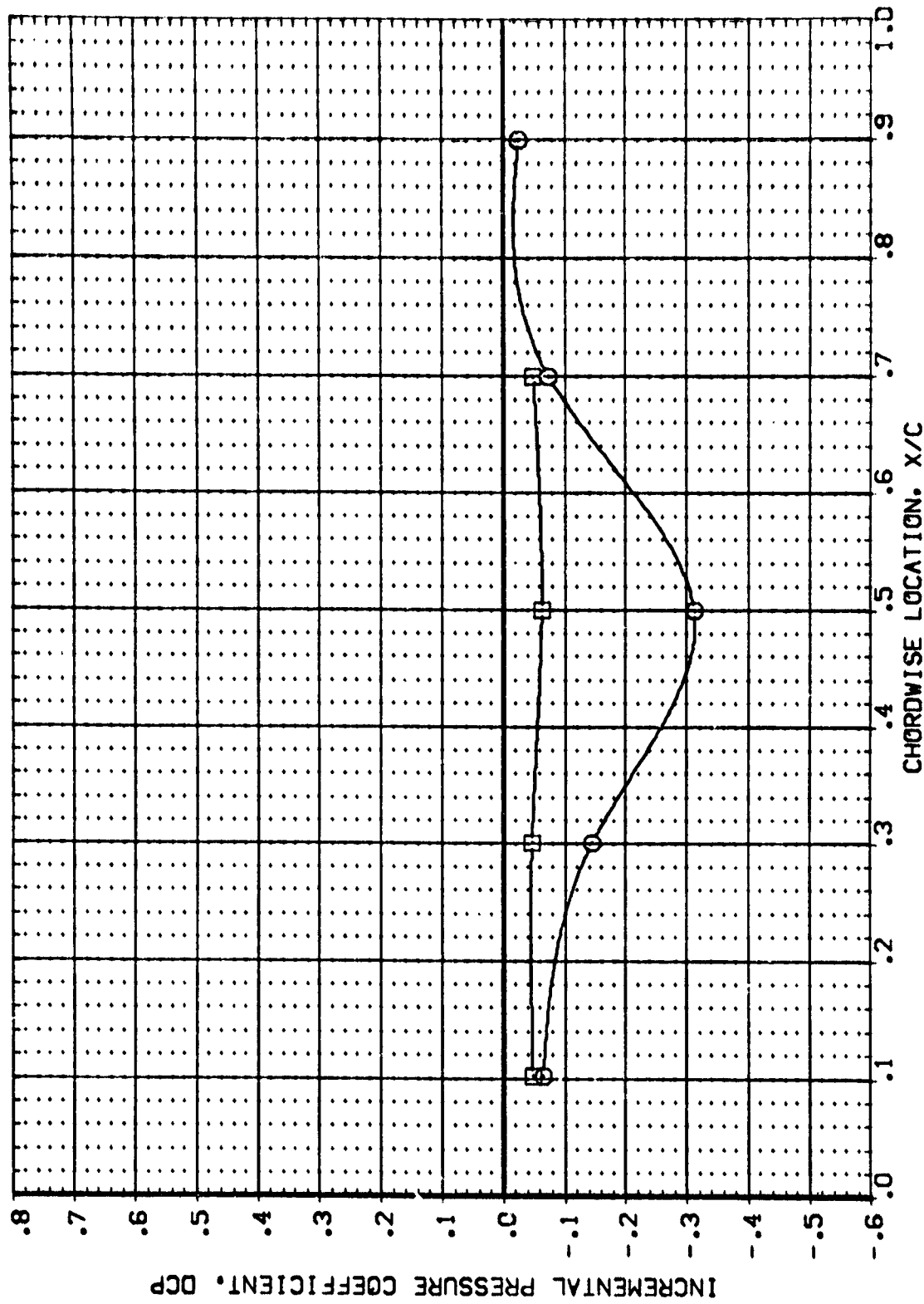


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210    BETA = 3.780    2Y/B = .500

DATA SET SYMBOL: [AF43:0] [AF44:0] [AF45:0] [AF46:0] [AF47:0] [AF48:0] [AF49:0] [AF50:0] [AF51:0] [AF52:0] [AF53:0] [AF54:0] [AF55:0] [AF56:0] [AF57:0] [AF58:0] [AF59:0] [AF60:0] [AF61:0] [AF62:0] [AF63:0] [AF64:0] [AF65:0] [AF66:0] [AF67:0] [AF68:0] [AF69:0] [AF70:0] [AF71:0] [AF72:0] [AF73:0] [AF74:0] [AF75:0] [AF76:0] [AF77:0] [AF78:0] [AF79:0] [AF80:0] [AF81:0] [AF82:0] [AF83:0] [AF84:0] [AF85:0] [AF86:0] [AF87:0] [AF88:0] [AF89:0] [AF90:0] [AF91:0] [AF92:0] [AF93:0] [AF94:0] [AF95:0] [AF96:0] [AF97:0] [AF98:0] [AF99:0]

ALPHA  
.000  
.000

CONFIGURATION DESCRIPTION  
[C1F1] [C1F2] [C1F3] [C1F4] [C1F5] [C1F6] [C1F7] [C1F8] [C1F9] [C1F10] [C1F11] [C1F12] [C1F13] [C1F14] [C1F15] [C1F16] [C1F17] [C1F18] [C1F19] [C1F20] [C1F21] [C1F22] [C1F23] [C1F24] [C1F25] [C1F26] [C1F27] [C1F28] [C1F29] [C1F30] [C1F31] [C1F32] [C1F33] [C1F34] [C1F35] [C1F36] [C1F37] [C1F38] [C1F39] [C1F40] [C1F41] [C1F42] [C1F43] [C1F44] [C1F45] [C1F46] [C1F47] [C1F48] [C1F49] [C1F50] [C1F51] [C1F52] [C1F53] [C1F54] [C1F55] [C1F56] [C1F57] [C1F58] [C1F59] [C1F60] [C1F61] [C1F62] [C1F63] [C1F64] [C1F65] [C1F66] [C1F67] [C1F68] [C1F69] [C1F70] [C1F71] [C1F72] [C1F73] [C1F74] [C1F75] [C1F76] [C1F77] [C1F78] [C1F79] [C1F80] [C1F81] [C1F82] [C1F83] [C1F84] [C1F85] [C1F86] [C1F87] [C1F88] [C1F89] [C1F90] [C1F91] [C1F92] [C1F93] [C1F94] [C1F95] [C1F96] [C1F97] [C1F98] [C1F99] [C1F100]

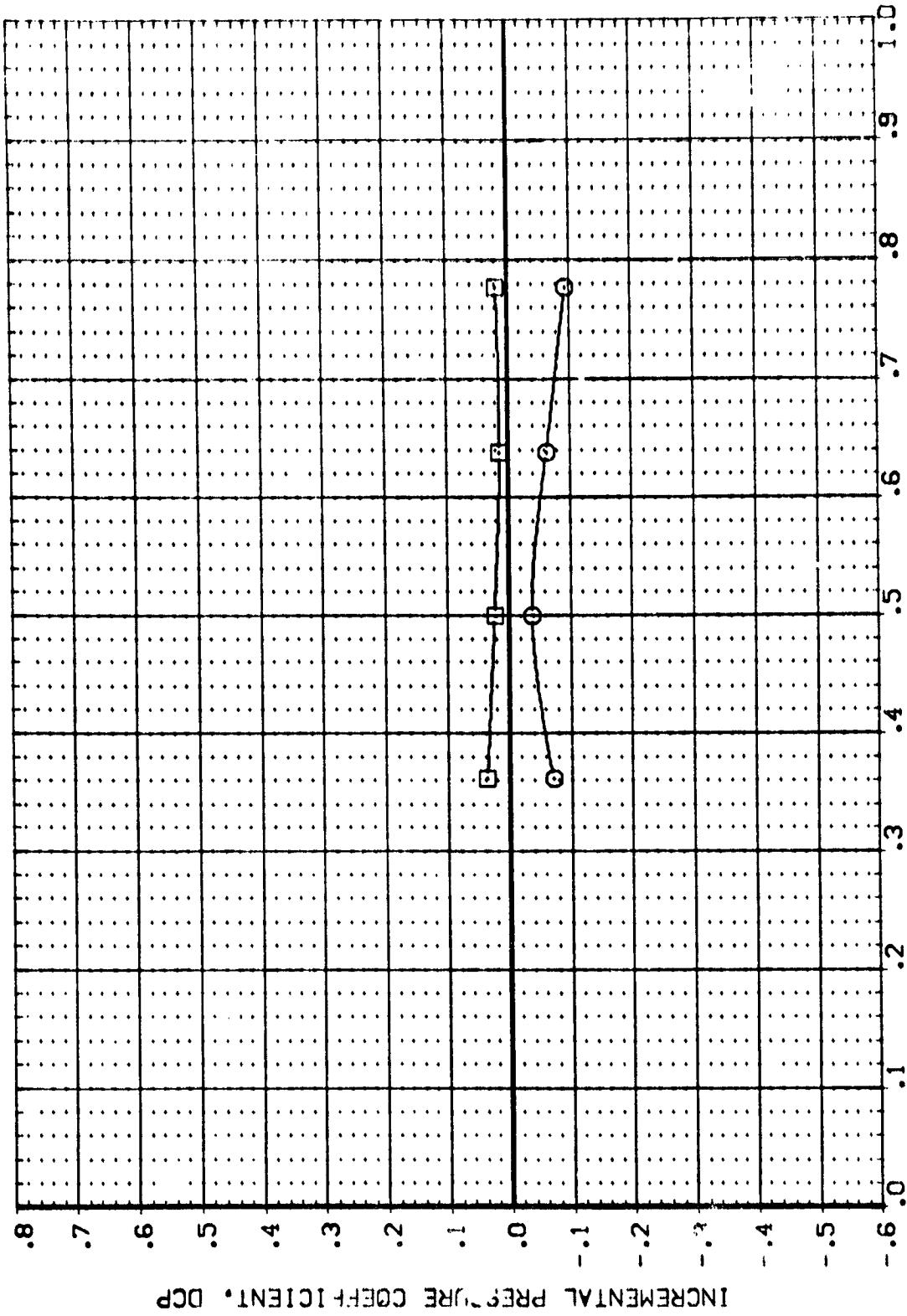


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

$\text{MAC} = .897$   $\text{BETA} = -3.920$   $\text{X/C} = .500$   $\text{PAGE} = 278$





DATA SET SYMBOL: [AF4L10] [AF4L10]   
 CONFIGURATION DESCRIPTION: [A68 { CIP1M3(1)M4(1) } - (CIP1) UPPER WING] [A68 { CIP1M3(1)M4(1) } - (CIP1) LOWER WING]

ALPHA: .000  
 .000

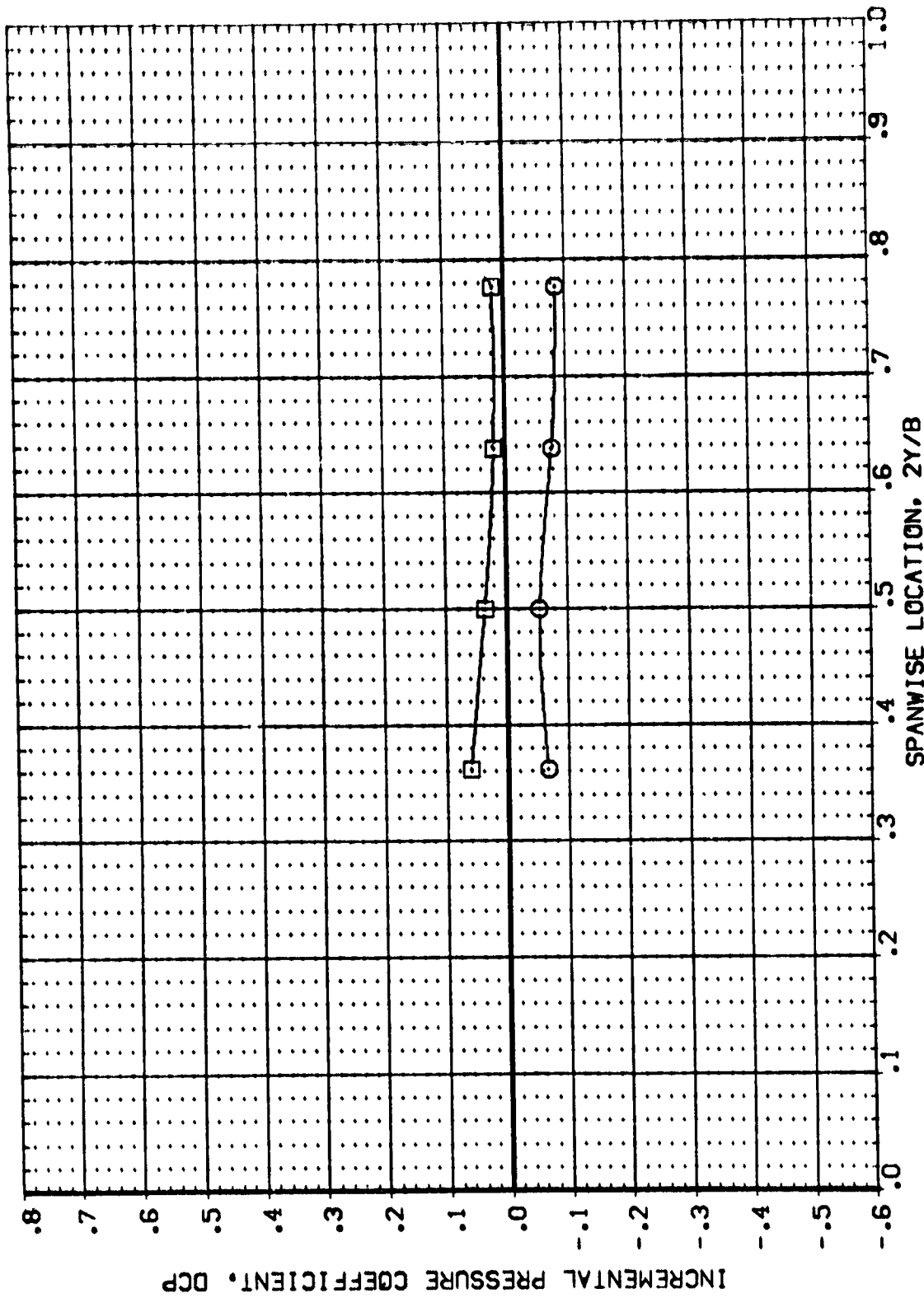


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897 BETA = -1.970 X/C = .500

DATA SET SYMBO. CONFIGURATION DESCRIPTION  
 [AF410] [AB8 ( C1F1M311M411 ) ] - (C1F1) UPPER WING  
 [AF410] [AB8 ( C1F1M311M411 ) ] - (C1F1) LOWER WING

ALPHA  
 .000  
 .000

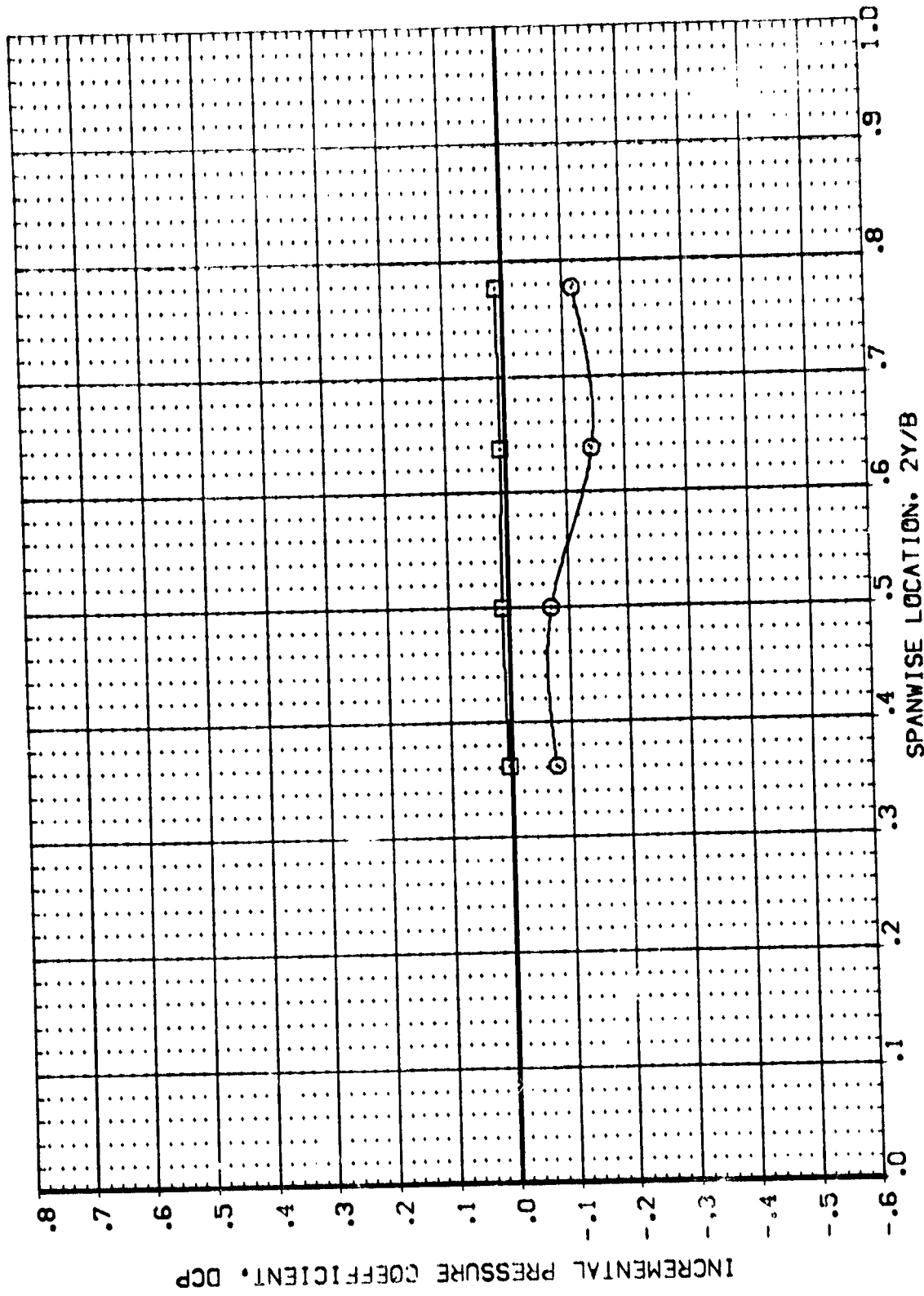


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897 BETA = -.050 X/C = .500



DATA SET SYMBOL: [AF410] [AF410] ALPHA: .000  
 CONFIGURATION DESCRIPTION: [AG8 { C1FM3(1)M4(1) } - { C1F1 } UPPER WING  
 [AG8 { C1FM3(1)M4(1) } - { C1F1 } LOWER WING] .000

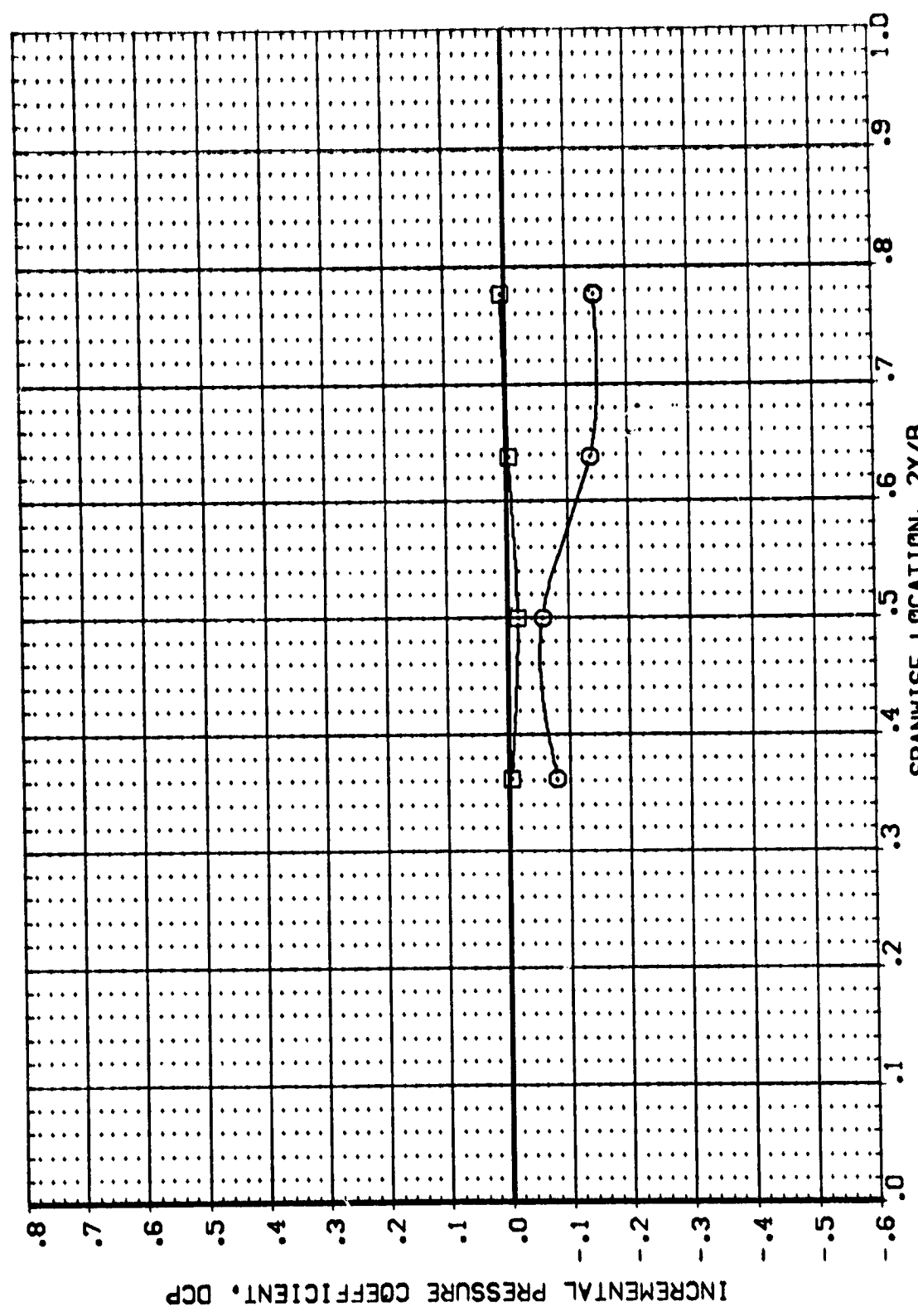


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897 BETA = 1.830 X/C = .500 CASE 26:

DATA SET SYMBOL    CONFIGURATION DESCRIPTION    ALPHA

[AF4J10]    [A68 [ C1F1M3(1)M4(1) ] - [C1F1] UPPER WING    .000

[AF4L10]    [A68 [ C1F1M3(1)M4(1) ] - [C1F1] LOWER WING    .000

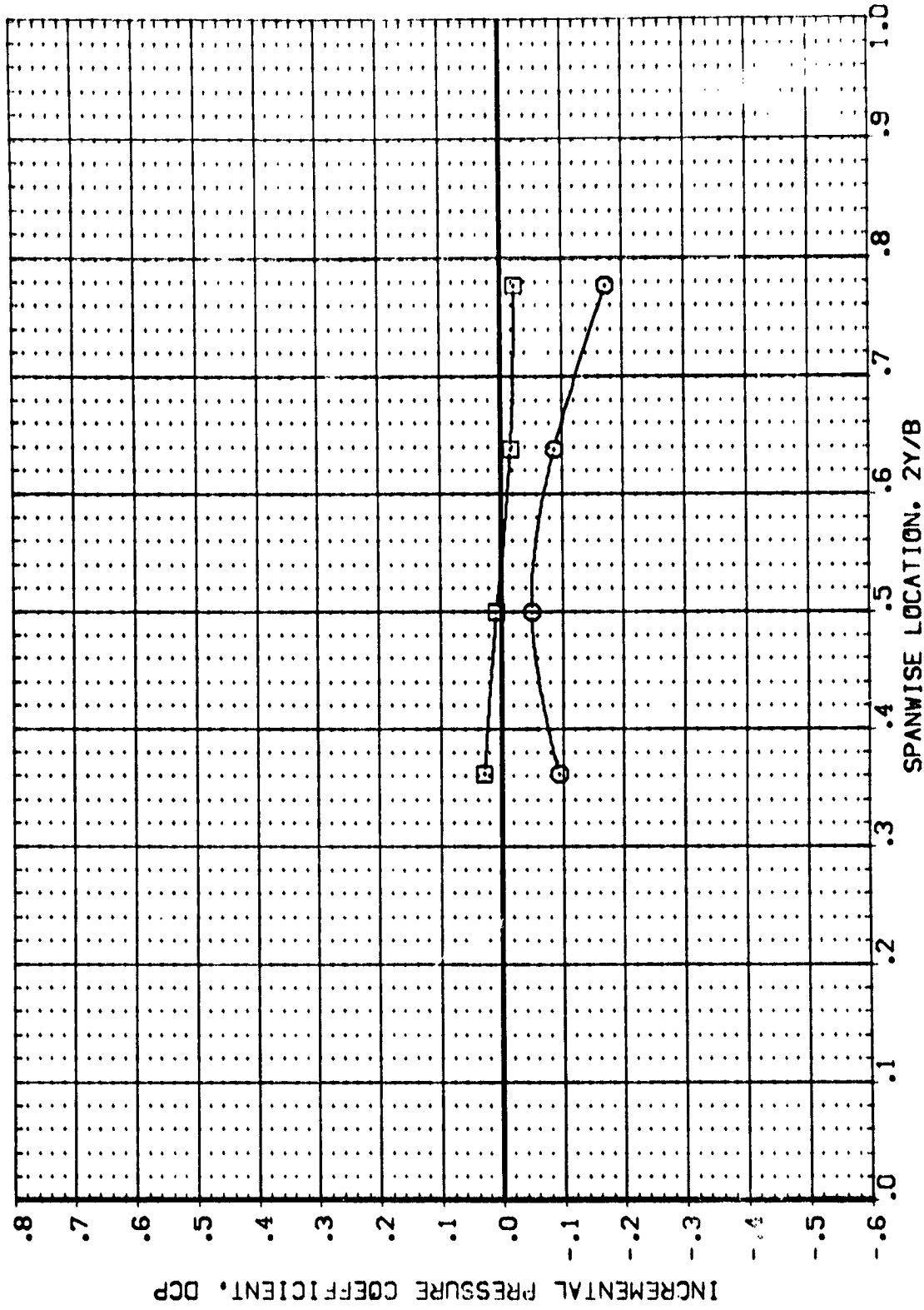


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897    BETA = 3.840    X/C = .500    PAGE 282



DATA SET SYMBOL: [AF4U10] [AF4L10]   
 CONFIGURATION DESCRIPTION: [AF68] { [C1F1M31]M4(1) } - [C1F1] UPPER WING   
 [AF68] { [C1F1M31]M4(1) } - [C1F1] LOWER WING

ALPHA   
 .000   
 .000

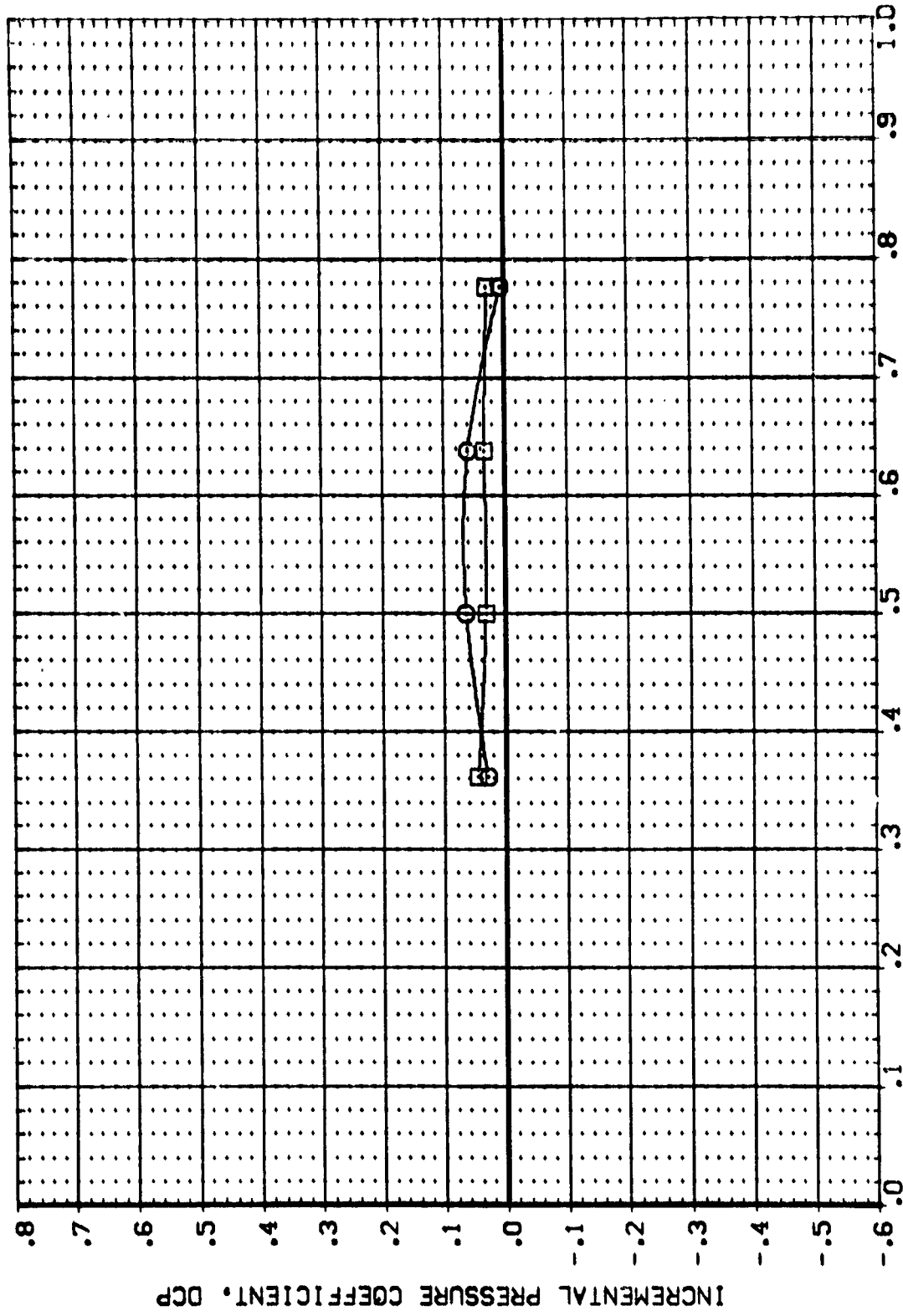


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS   
 SPANWISE LOCATION, ZY/B   
 MAC<sub>W</sub> = 1.210 BETA = -3.930 X/C = .500

ALPHA  
.000  
.000

DATA SET SYMBOL: Q  
[AE4L10] [AF4L10] CONFIGURATION DESCRIPTION:  
[AB8 [C1F1M3(1)M4(1)] - [C1F1] UPPER WING  
[AB8 [C1F1M3(1)M4(1)] - [C1F1] LOWER WING

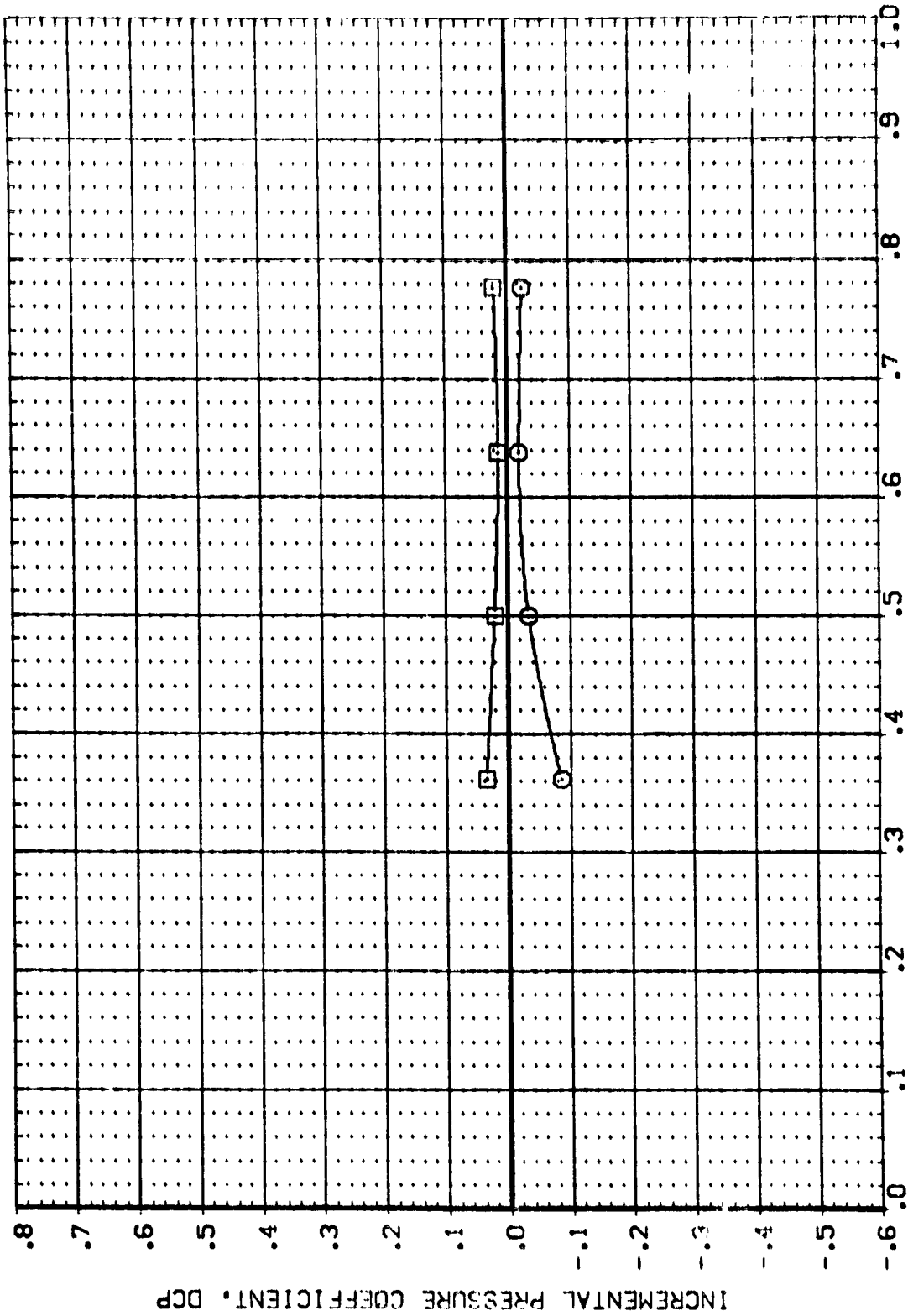


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = -2.070 X/C = .500

PAGE 284



DATA SET SYMBOL:  $\bar{Q}$  CONFIGURATION DESCRIPTION: [A68 [C1F1M3[1]M4[1]]] - (C1F1) UPPER WING  
 [AF4L10] [A68 [C1F1M3[1]M4[1]]] - (C1F1) LOWER WING

ALPHA  
 .000  
 .000

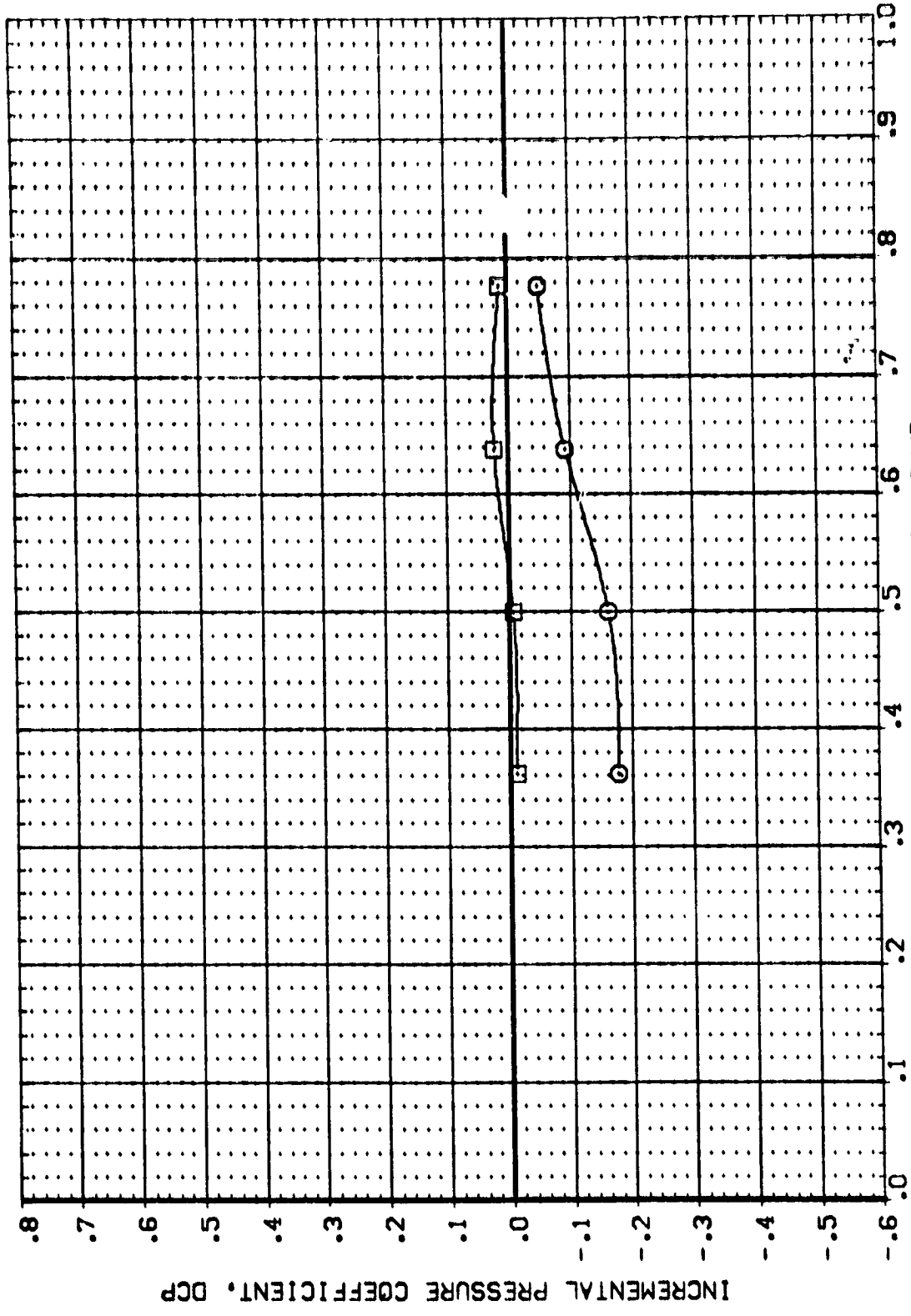


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = -0.130 X/C = 0.500 SPANWISE LOCATION, ZY/B PAGE 285

DATA SET SYMBOL    CONFIGURATION DESCRIPTION    ALPHA

[AF4U10]    [A68 [ C1F1M3(1)M4(1) ] - [C1F1] UPPER WING    .000

[AF4L10]    [A68 [ C1F1M3(1)M4(1) ] - [C1F1] LOWER WING    .000

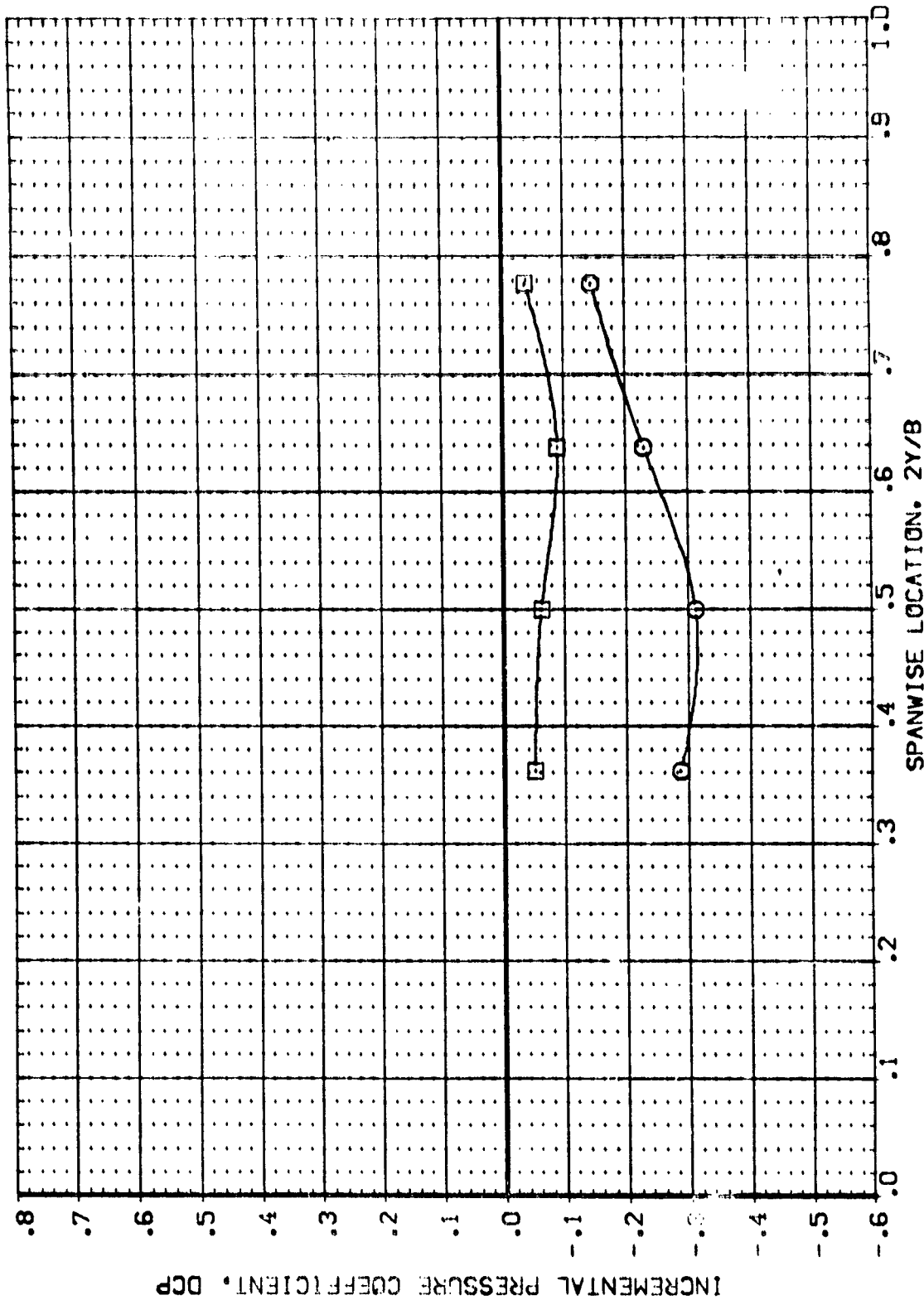


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

YACH = .210    BETA = 3.780    X/C = .500    PAGE 266





IA68 C1 F1 BASE REGIONS (RF4301)

PARAMETRIC VALUES  
 BETA .000

SYMBOL O  
 MACH .863 X/L 1.000 ALPHA .000

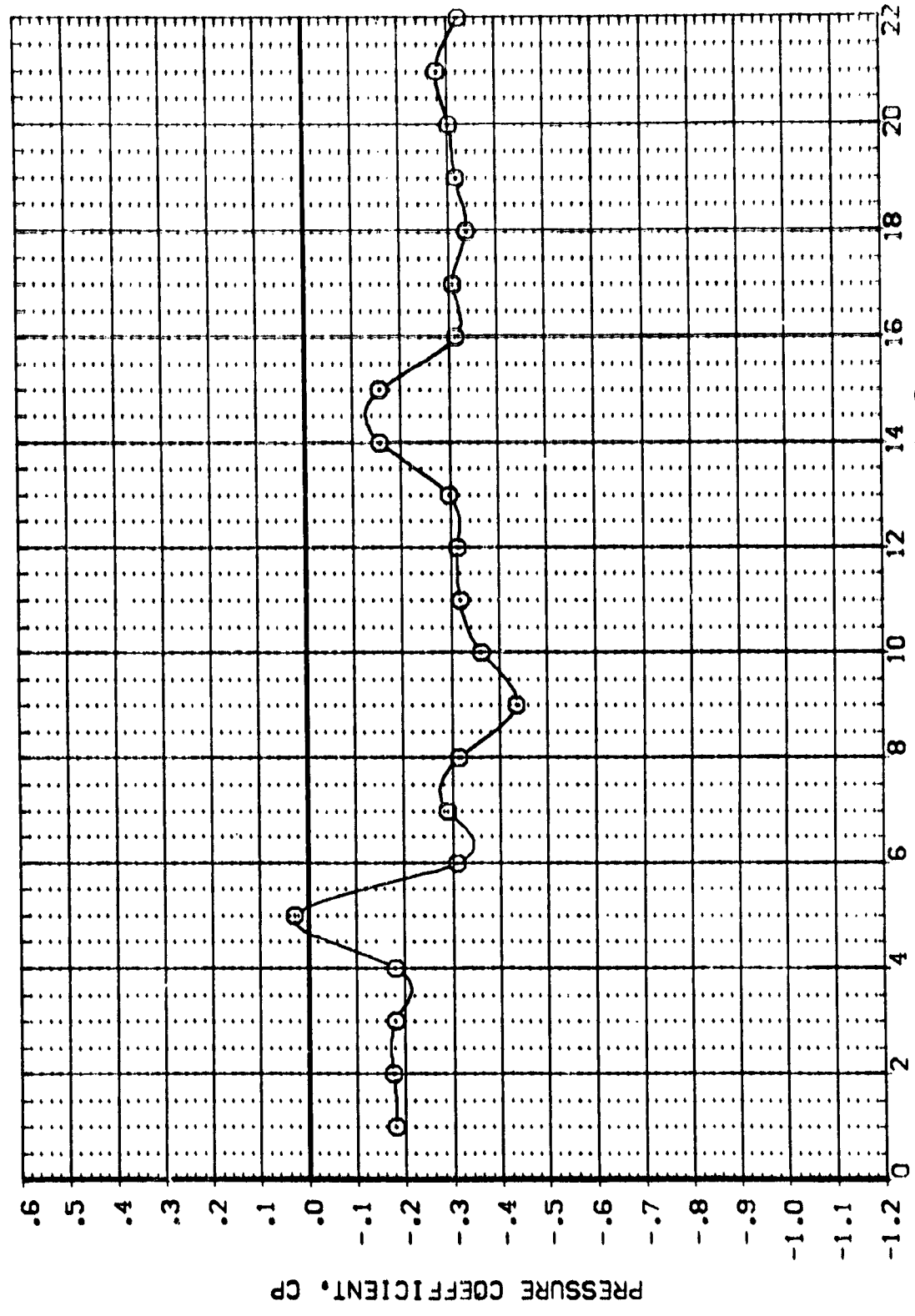


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

BASE REGIONS (994300)

SYMBOL MACH X/L ALPHA

○ .896 1.000 -4.000  
 ◊ 1.211  
 ◊ 1.503

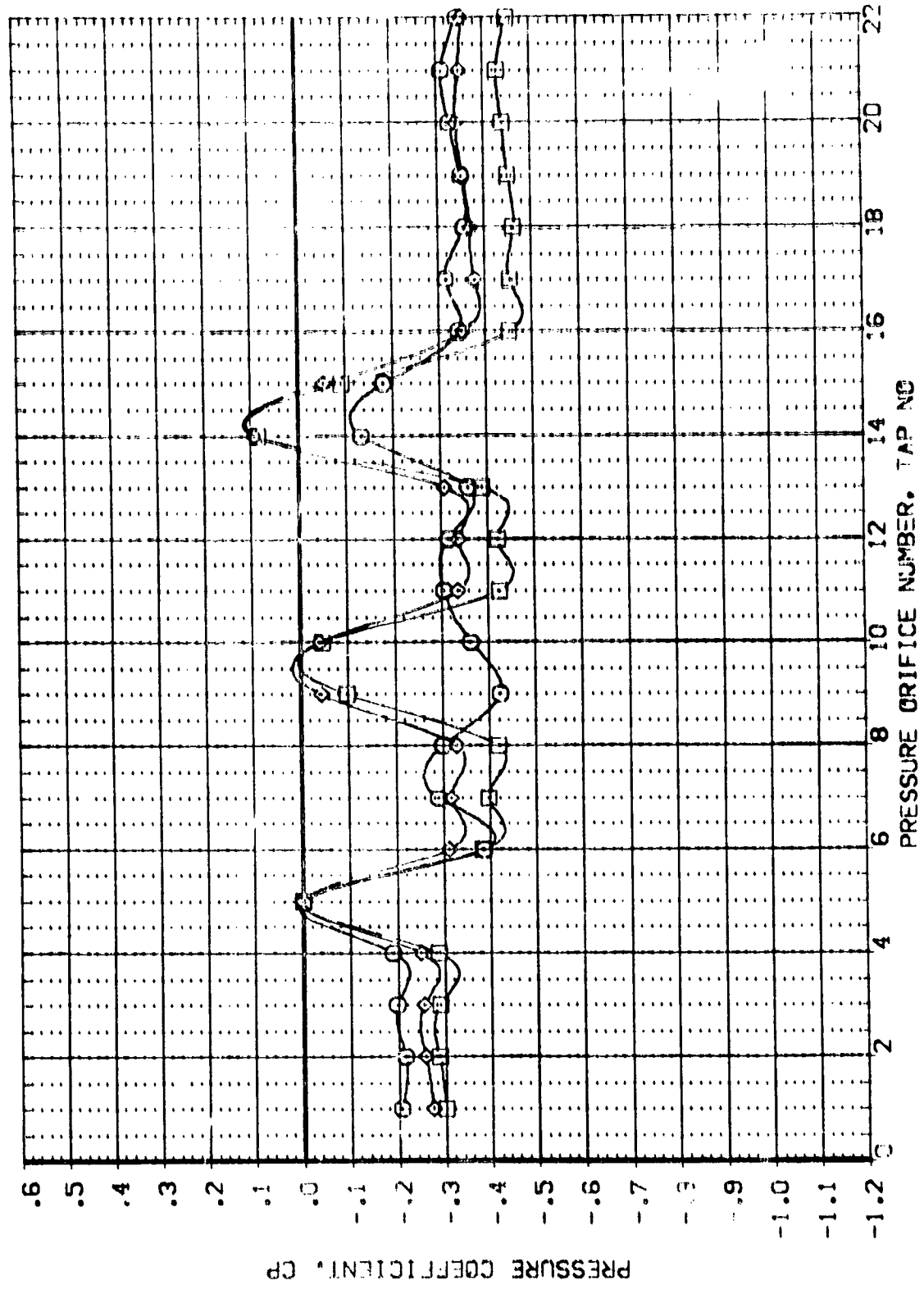


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS



IA68 C1 F1 BASE REGIONS (PF4302)

PARAMETRIC VALUES  
BETA .100

MACH 1.991 X/L 1.000 ALPHA -3.770

SYMBOL ○

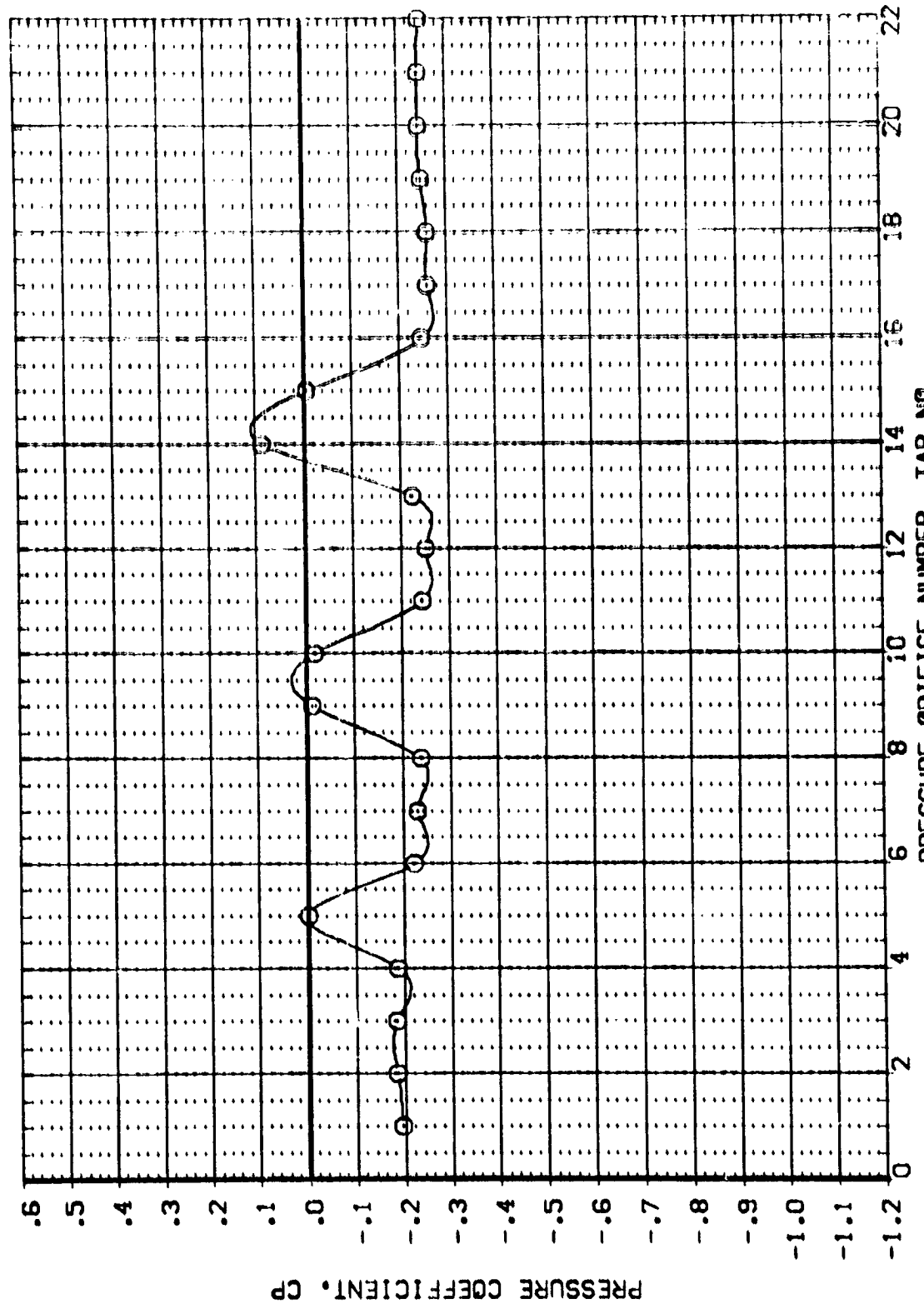


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

1A68 C: F1

BASE REGIONS (RF4802)

MACH X/L ALPHA

SYMBOL	MACH	X/L	ALPHA
○	.896	1.000	-2.000
◇	1.211		
◇	1.991		

PARAMETRIC VALUES

BETA

.000

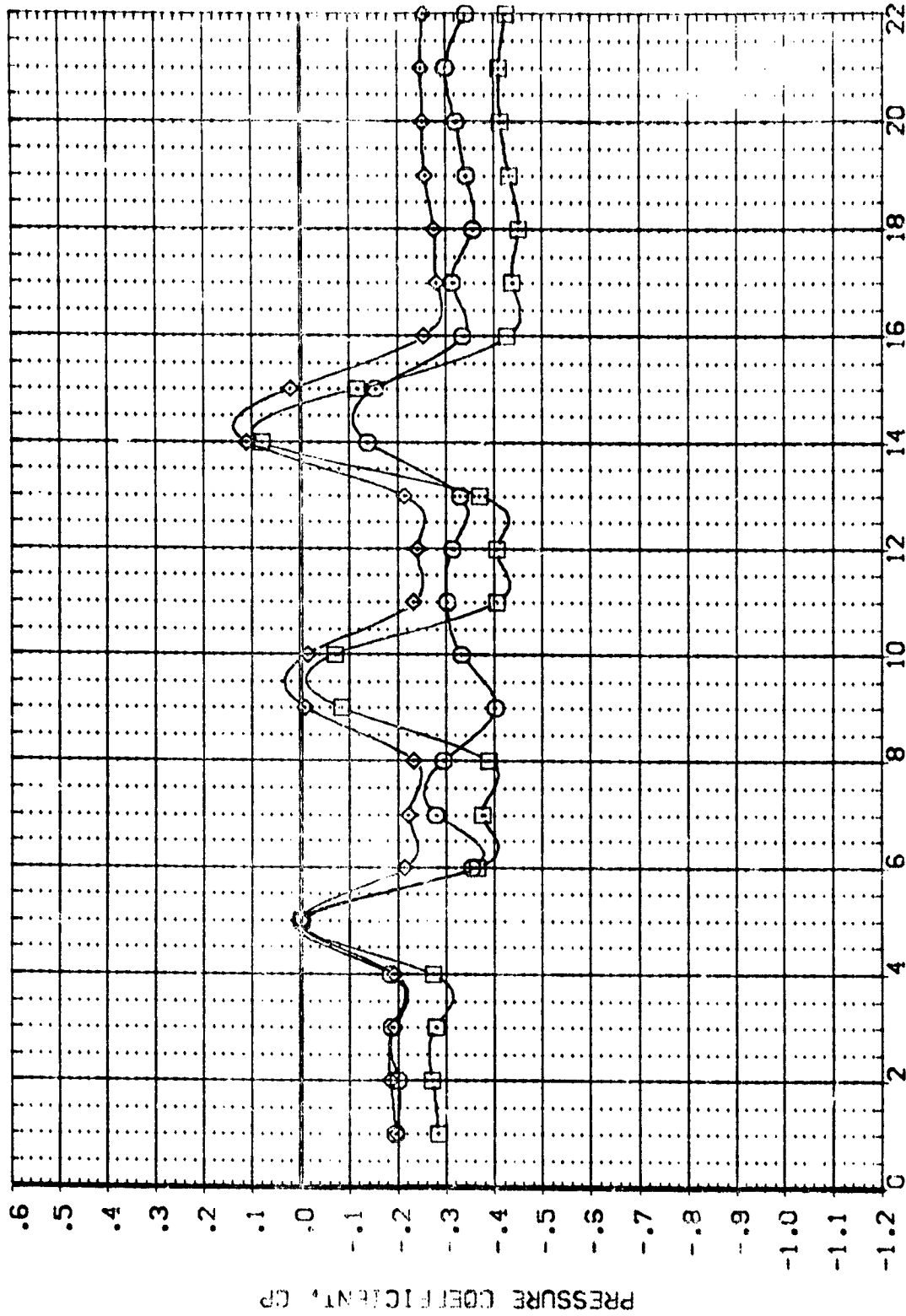


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS



BASE REGIONS (RF4302)

:A68 C1 F1  
 MACH 1.503 X/L 1.000 ALPHA -1.690  
 SYMBOL ○

BETA  
 PARAMETRIC VALUES  
 .000

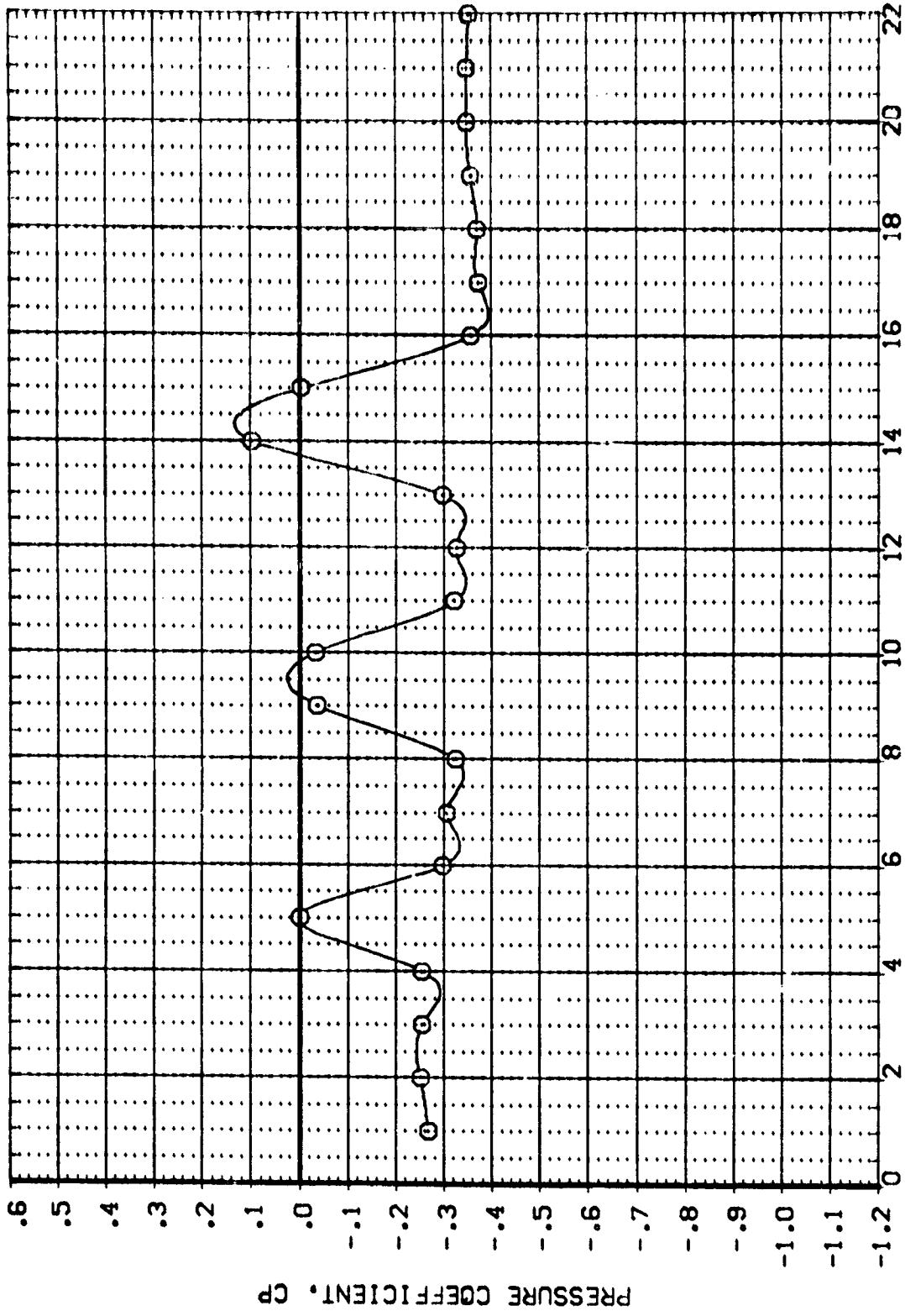


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS



BASE REGIONS (RF43000)

PARAMETRIC VALUES  
BETA .000

1468 C: F:  
MACH .896 ALPHA -.050  
X/L 1.000  
: .991

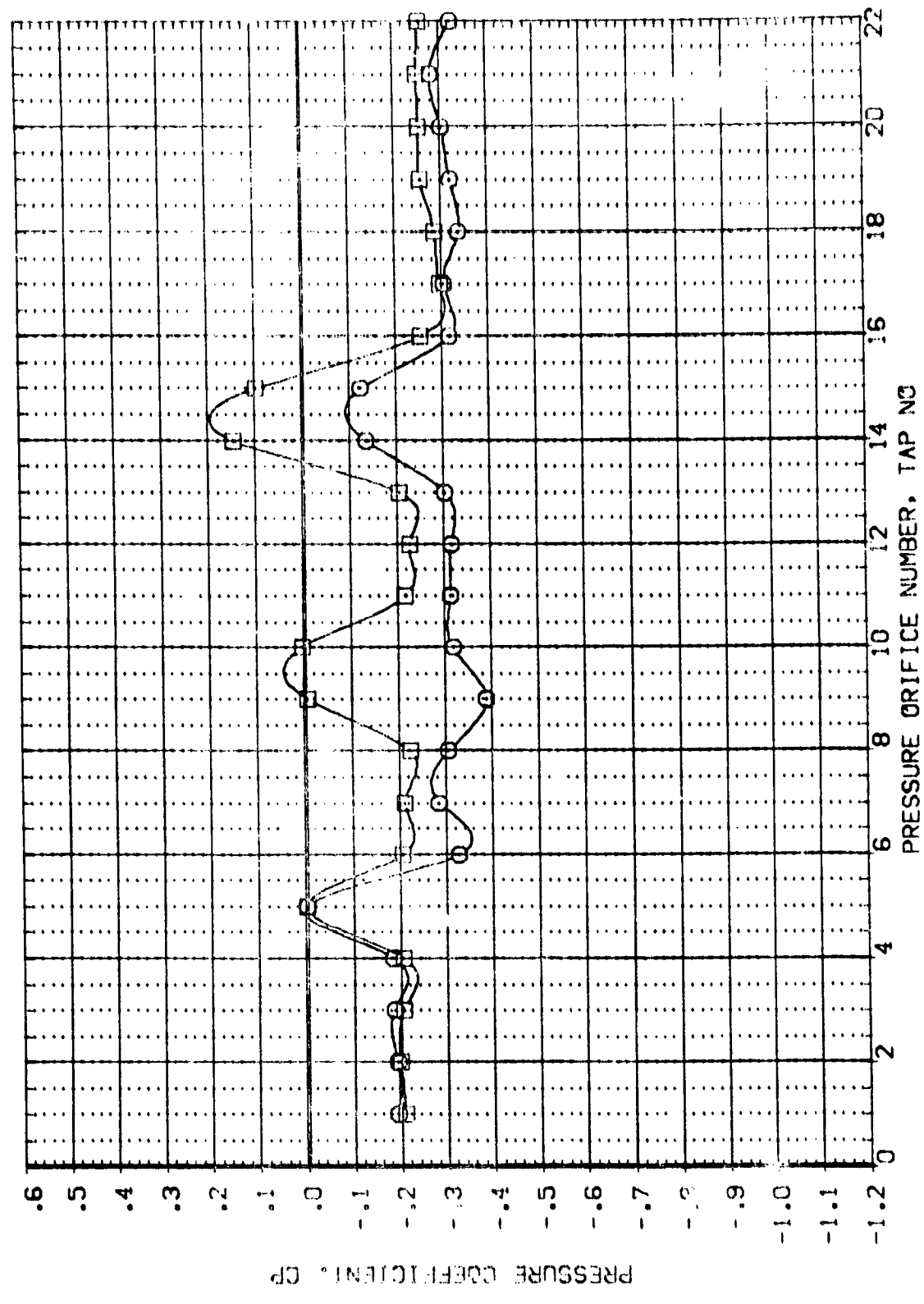


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NC STRUTS



IAG8 C: F1  
 MACH 1.211 X/L 1.000 ALPHA .150  
 1.503  
 BASE REGIONS (RF4302)  
 BETA .000  
 PARAMETRIC VALUES .000

SYMBOL  
 ○  
 □

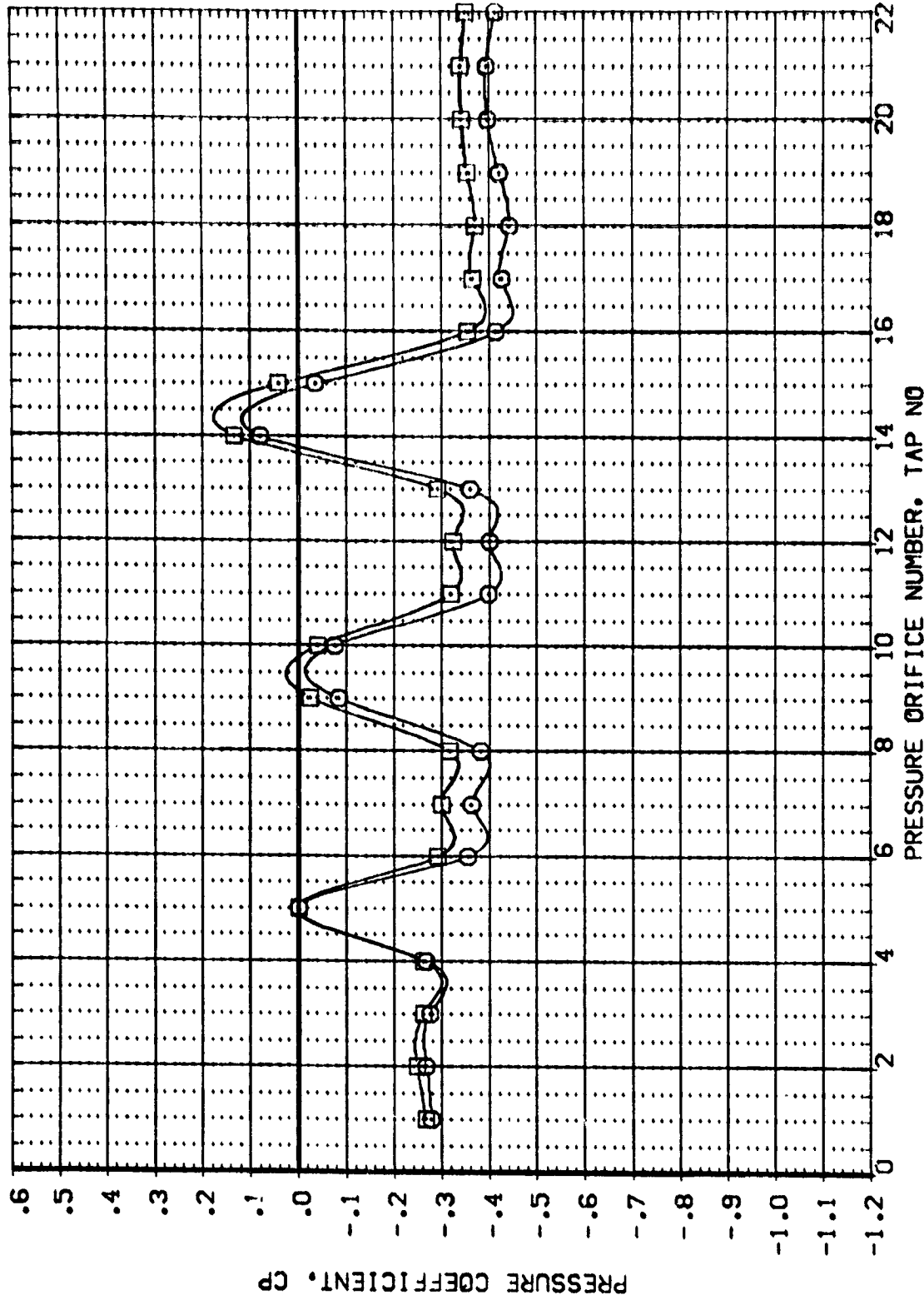


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

1A68 C1 F1

BASE REGIONS

CRF43020

PARAMETRIC VALUES

MACH .896 X/L 1.000 ALPHA 1.800

BETA

.000

SYMBOL

O

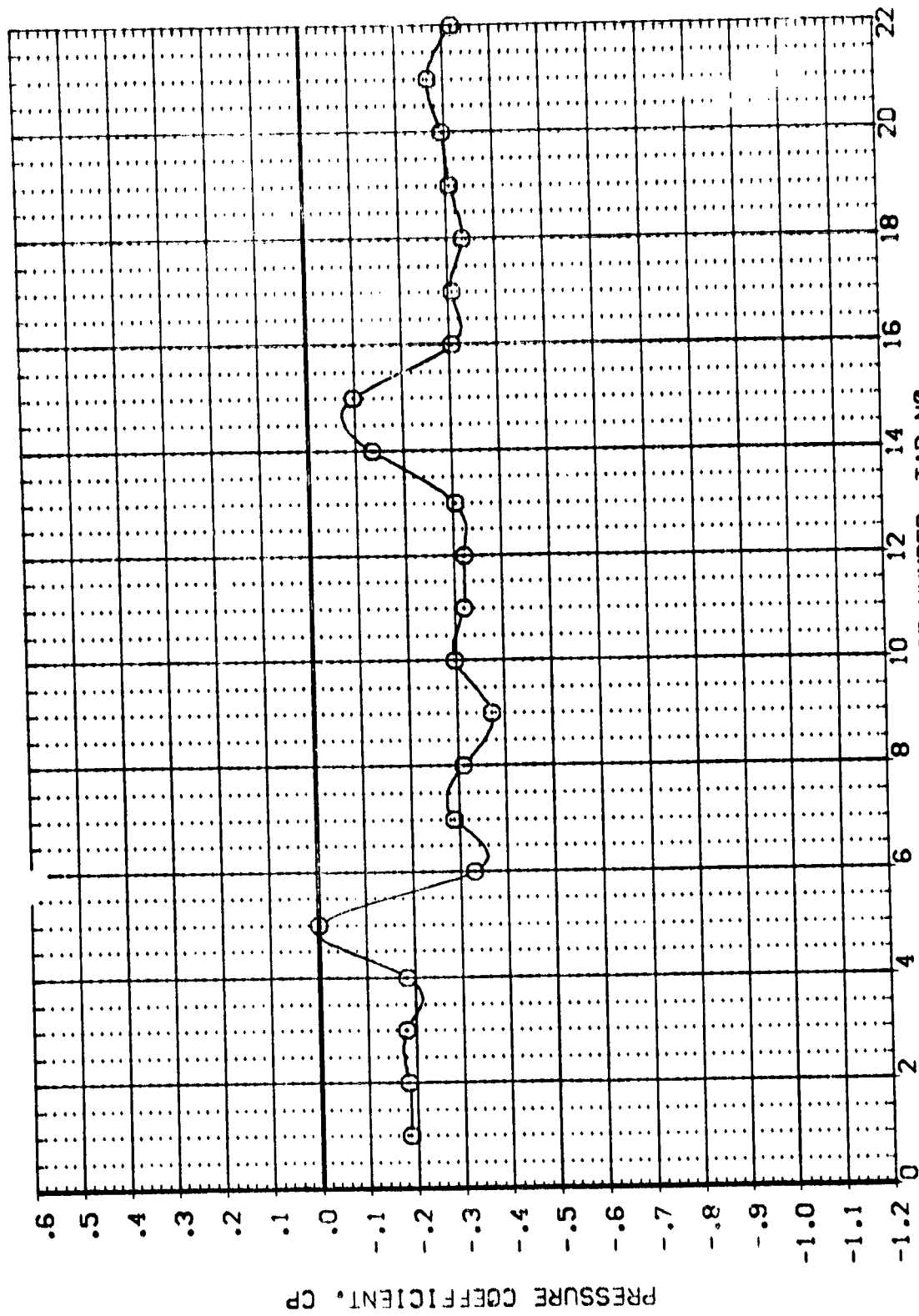


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS





IA68 C1 F1

BASE REGIONS

(RF4802)

SYMBOL

MACH  
1.211  
1.503  
1.991

X/L ALPHA  
1.000 2.120

PARAMETRIC VALUES  
BETA .000

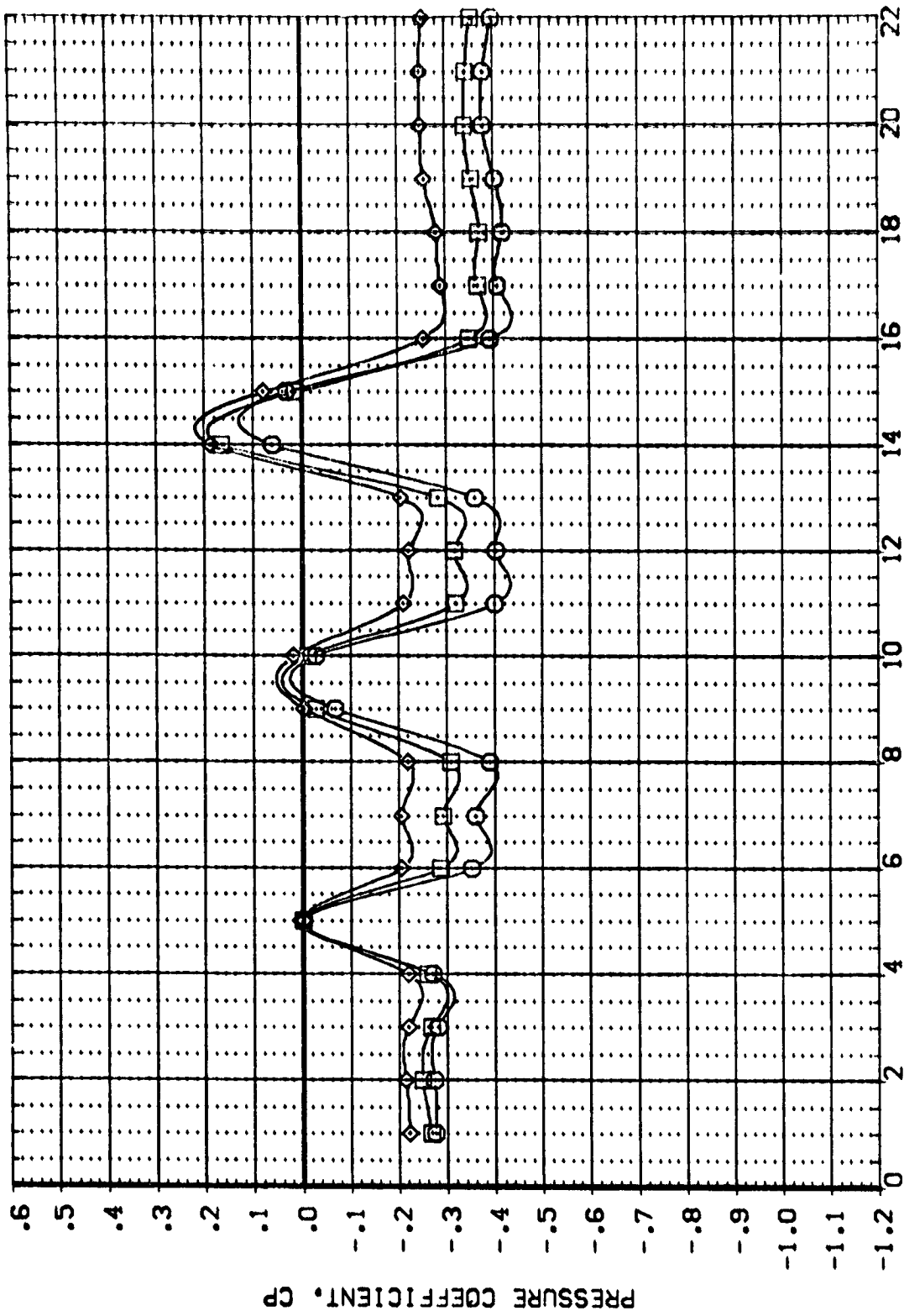


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

IA68 CI F1

BASE REGIONS

CRF43023

PARAMETRIC VALUES

BETA

ALPHA

X/L

MACH

SYMBOL

○

1.000

3.670

.000

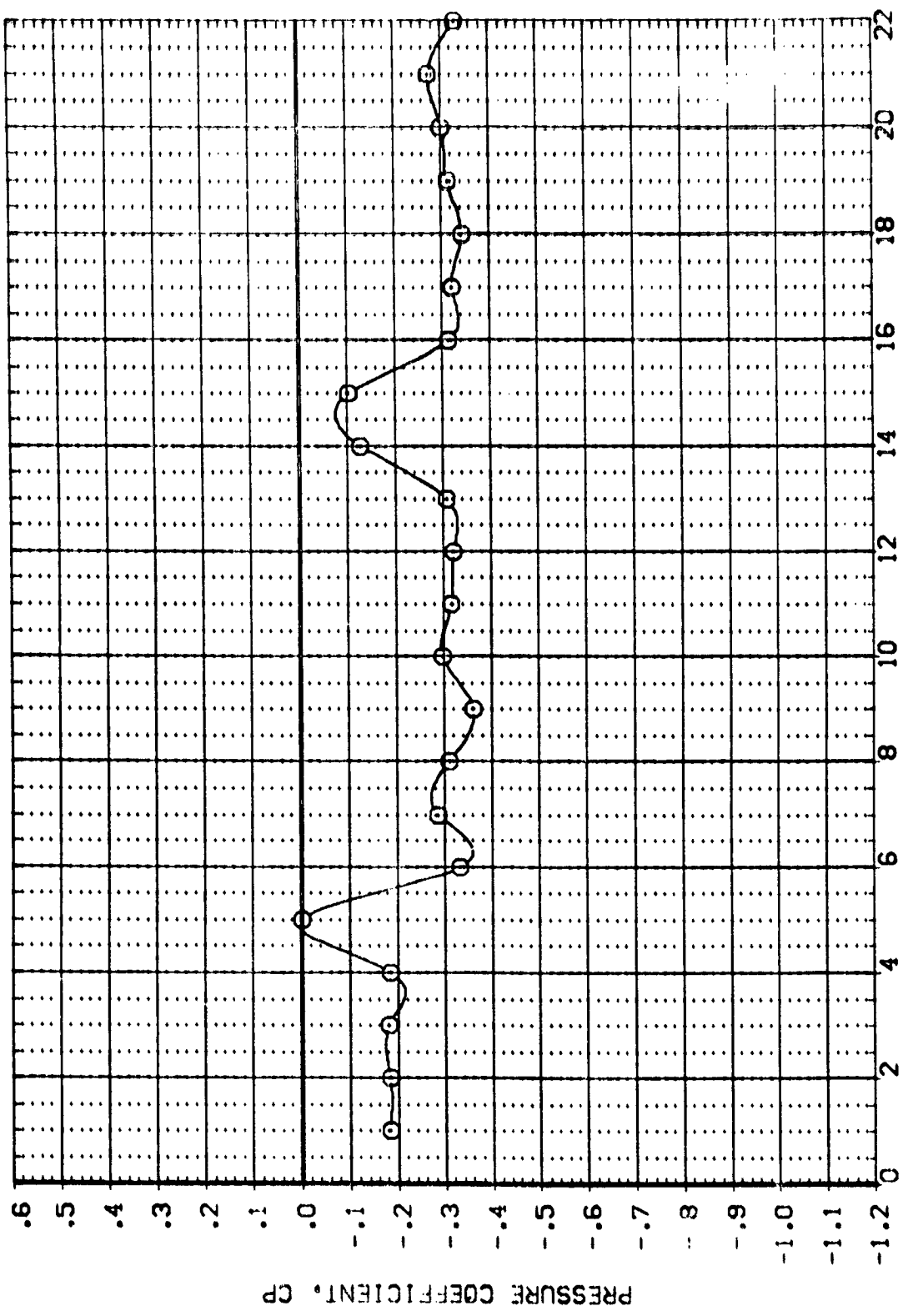


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS



IA68 C1 F1

BASE REGIONS

(RF4302)

SYMBOL  
○  
□  
◇

MACH X/L ALPHA  
1.211 1.000 4.030  
1.503  
1.991

PARAMETRIC VALUES  
BETA .000

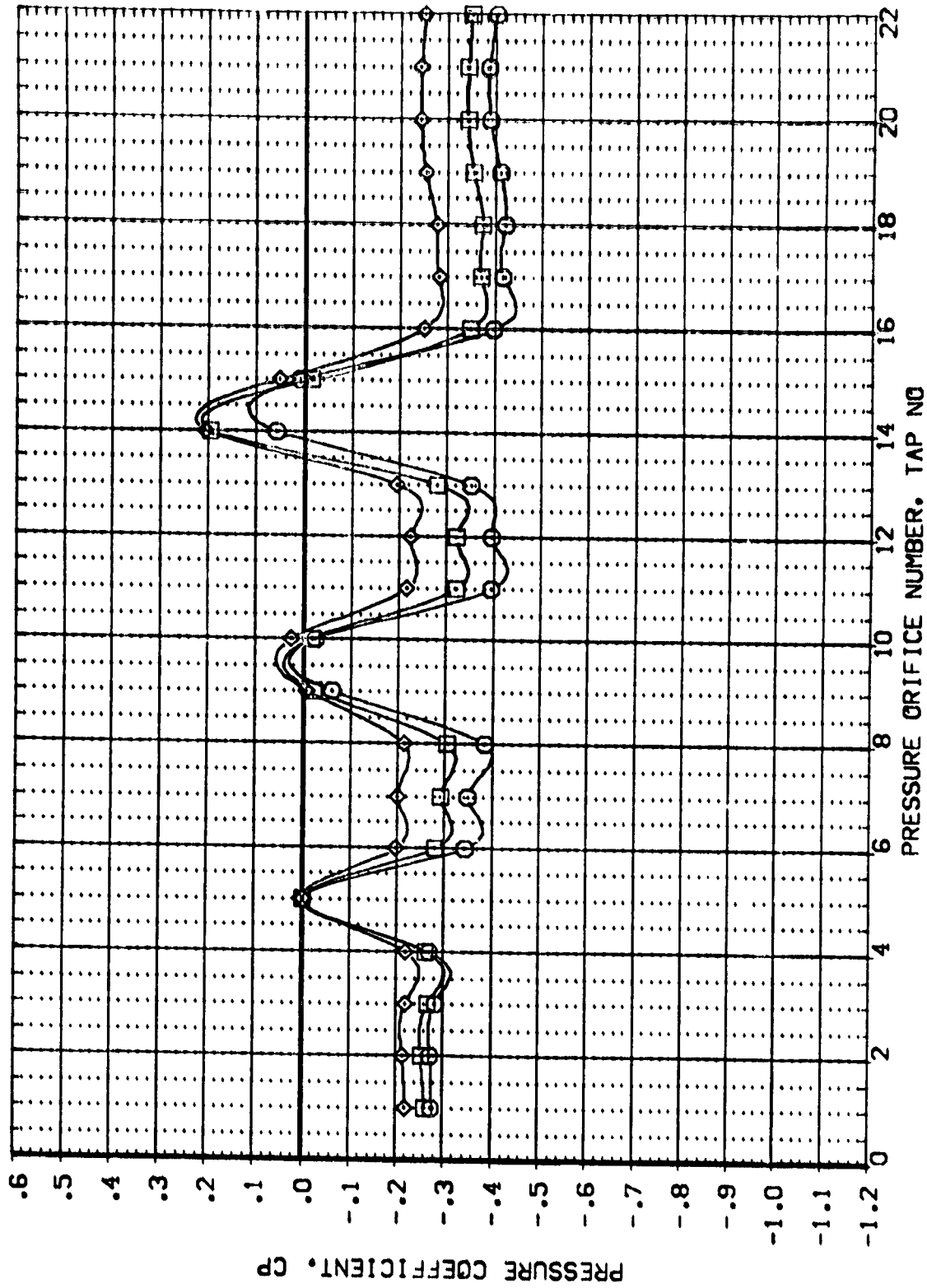


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

BASE REGIONS (RF4303)

IA68 C: F1

PARAMETRIC VALUES  
ALPHA .000

SYMBOL MACH X/L BETA  
 ○ .899 1.000 -3.750  
 △ 1.211  
 ◇ 1.503  
 □ 1.991

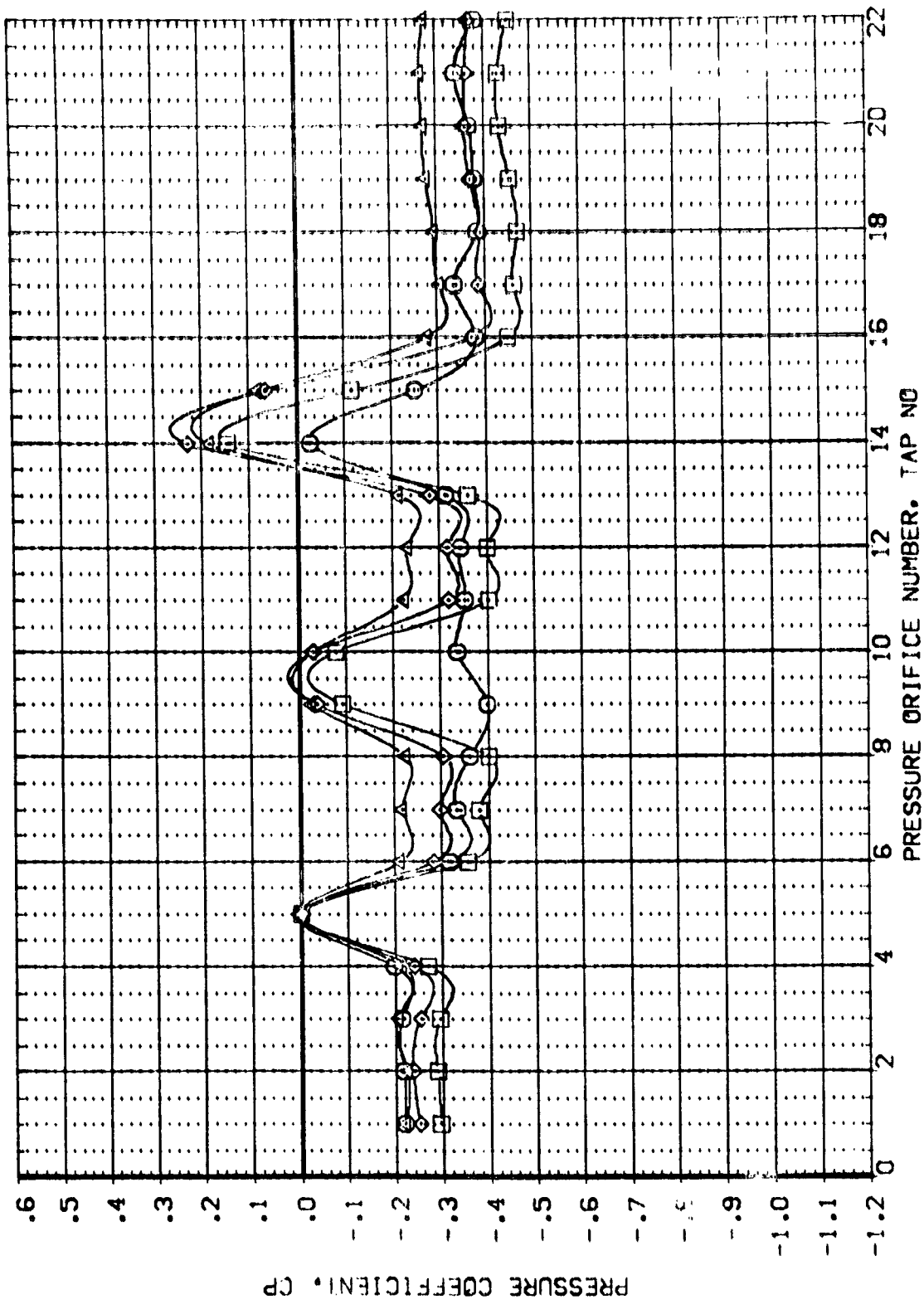


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS



IA68 C1 F1

BASE REGIONS

(RF4303)

PARAMETRIC VALUES  
ALPHA .000

SYMBOL	MACH	X/L	BETA
□	.899	1.000	-1.660
◇	1.211		
◇	1.503		
△	1.991		

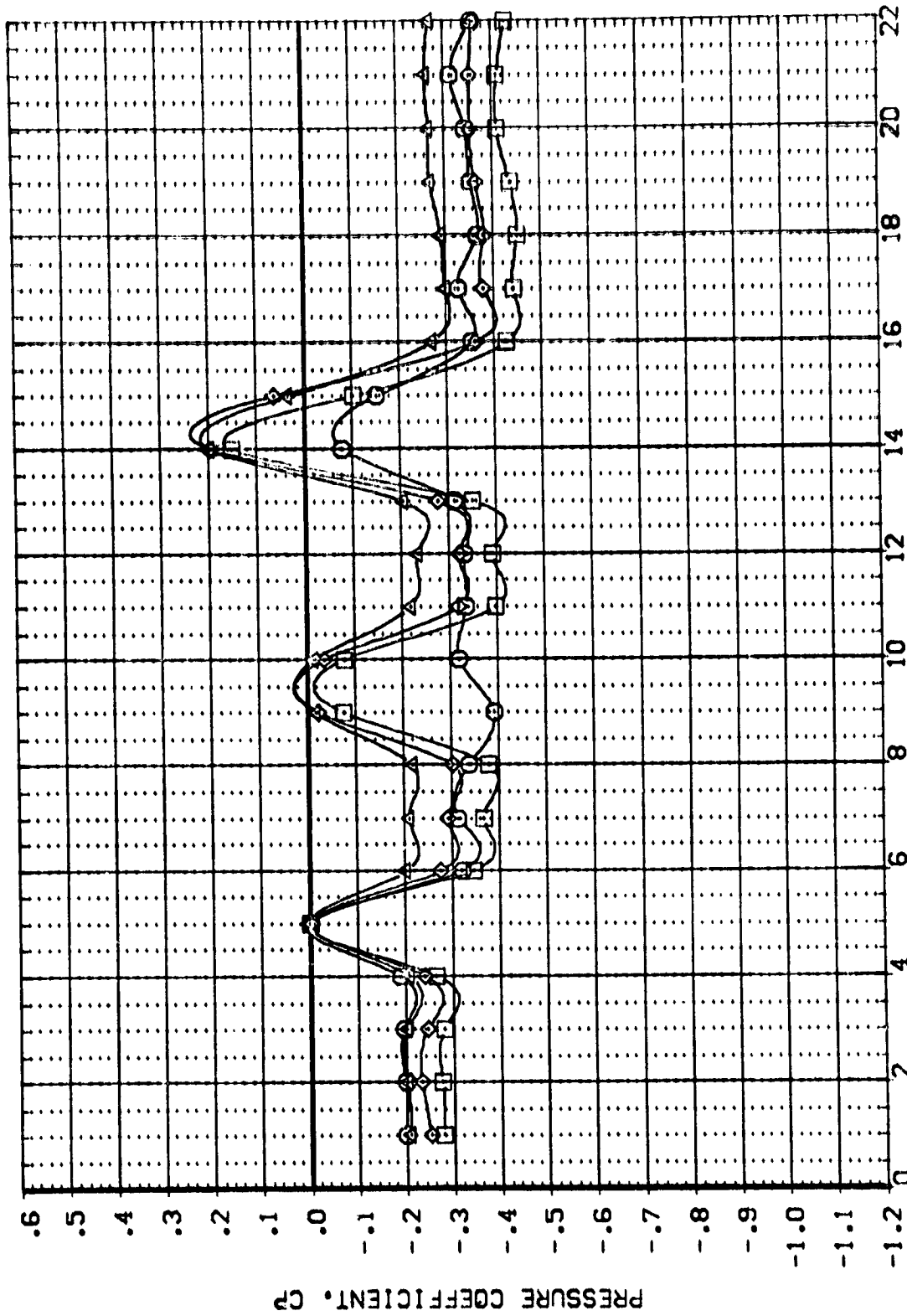


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

BASE REGIONS (RF-4303)

GEOMETRIC VALUES  
 $\mu$  = 0.00

TA68 C1 F:

SYMBOL MACH X/L BETA  
 $\Delta$  .858 1.000 .050  
 $\square$  1.211  
 $\circ$  1.503  
 $\diamond$  1.991

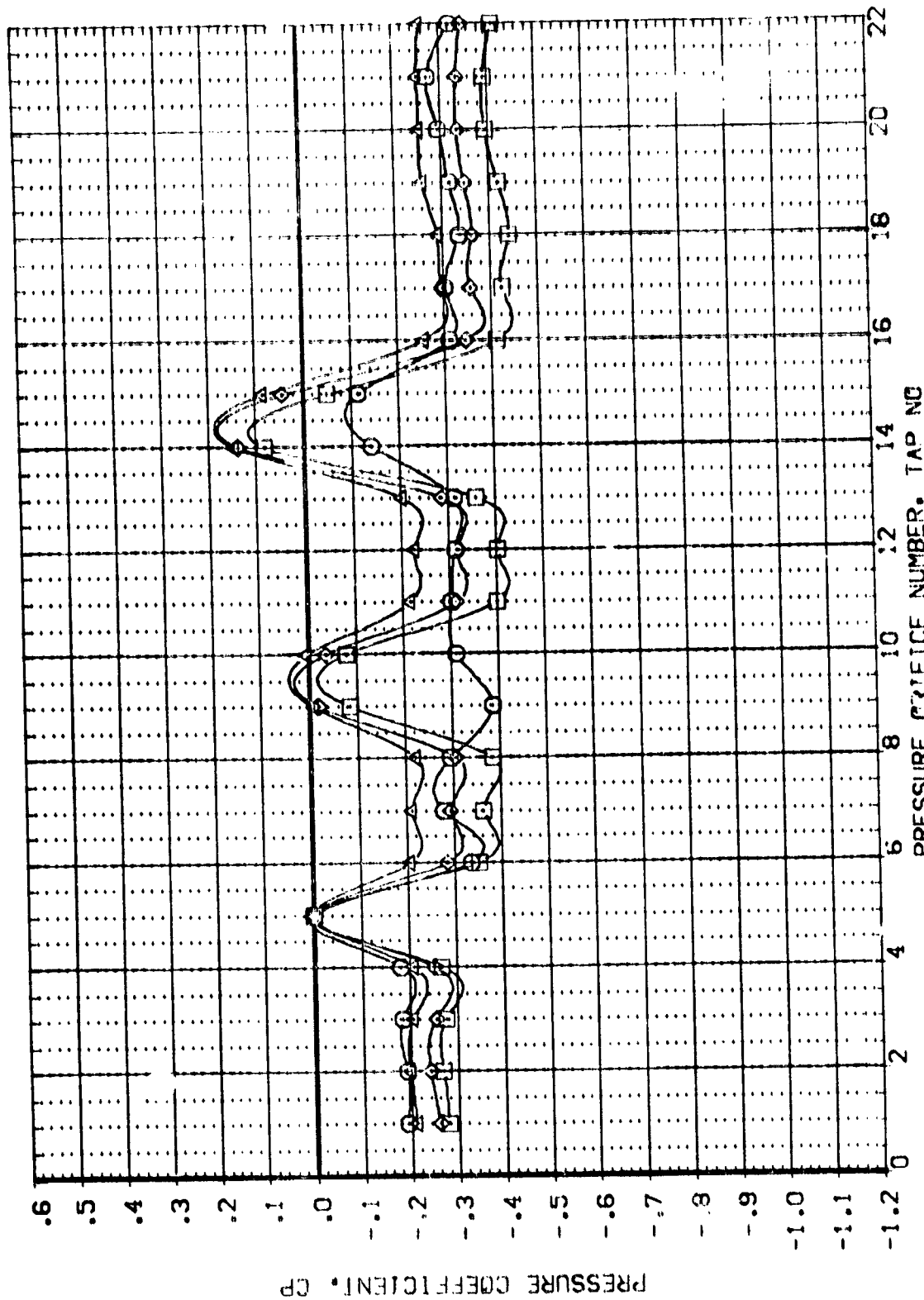


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS



IA68 C1 F1

BASE REGIONS

CR-4303

PARAMETRIC VALUES

L/D = .000

BETA 1.970

X/L 1.000

MACH .899

1.211

1.503

1.991

SYMB. O  
□  
◇  
△

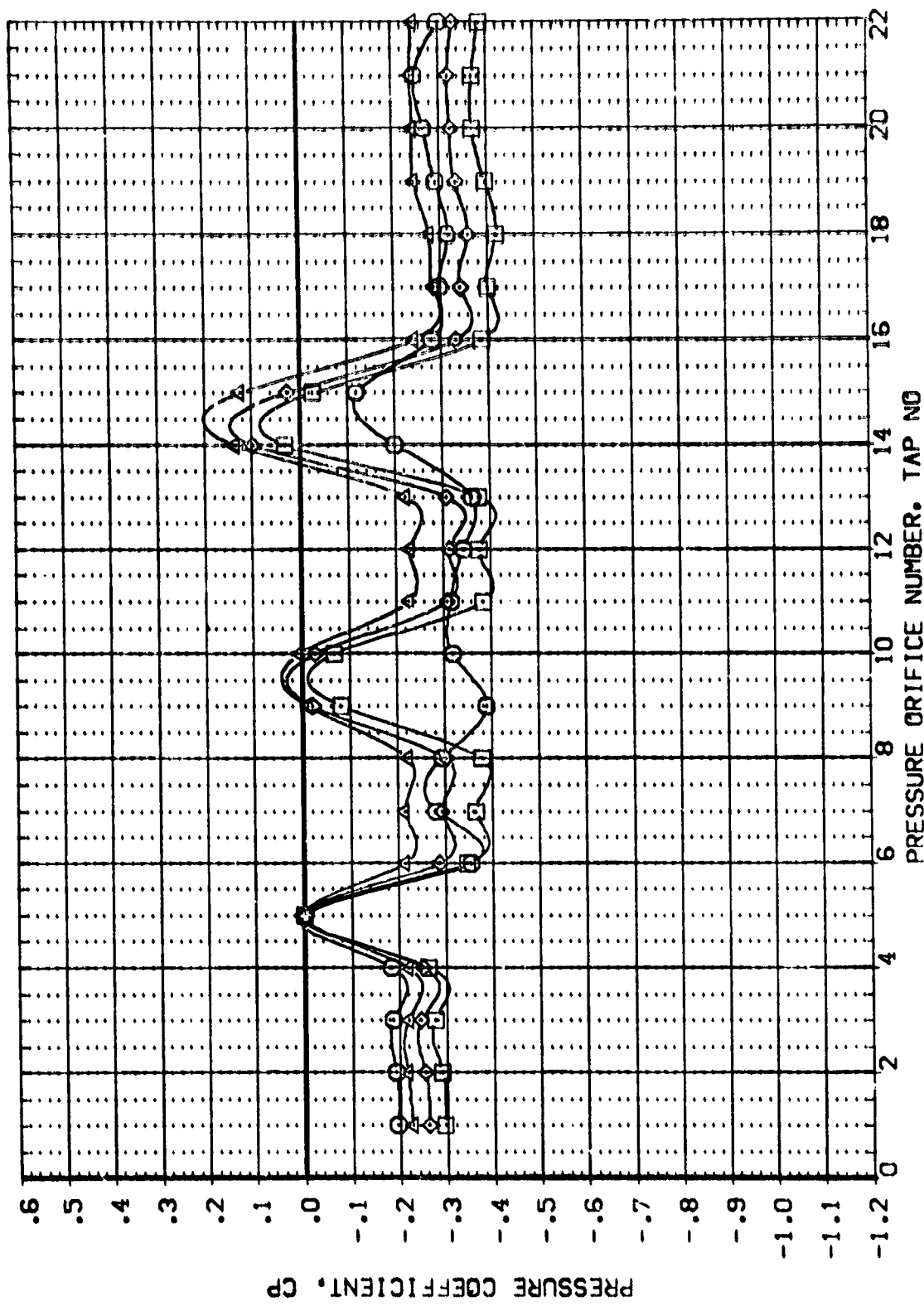


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

BASE REGIONS (REF 4903)

ALPHA .000  
 BETA .000

TAGE C I F:  
 MACH X/L BETA  
 .889 1.000 3.970  
 1.211  
 1.503  
 1.991

SYMBOL  
 ○  
 ◇  
 △

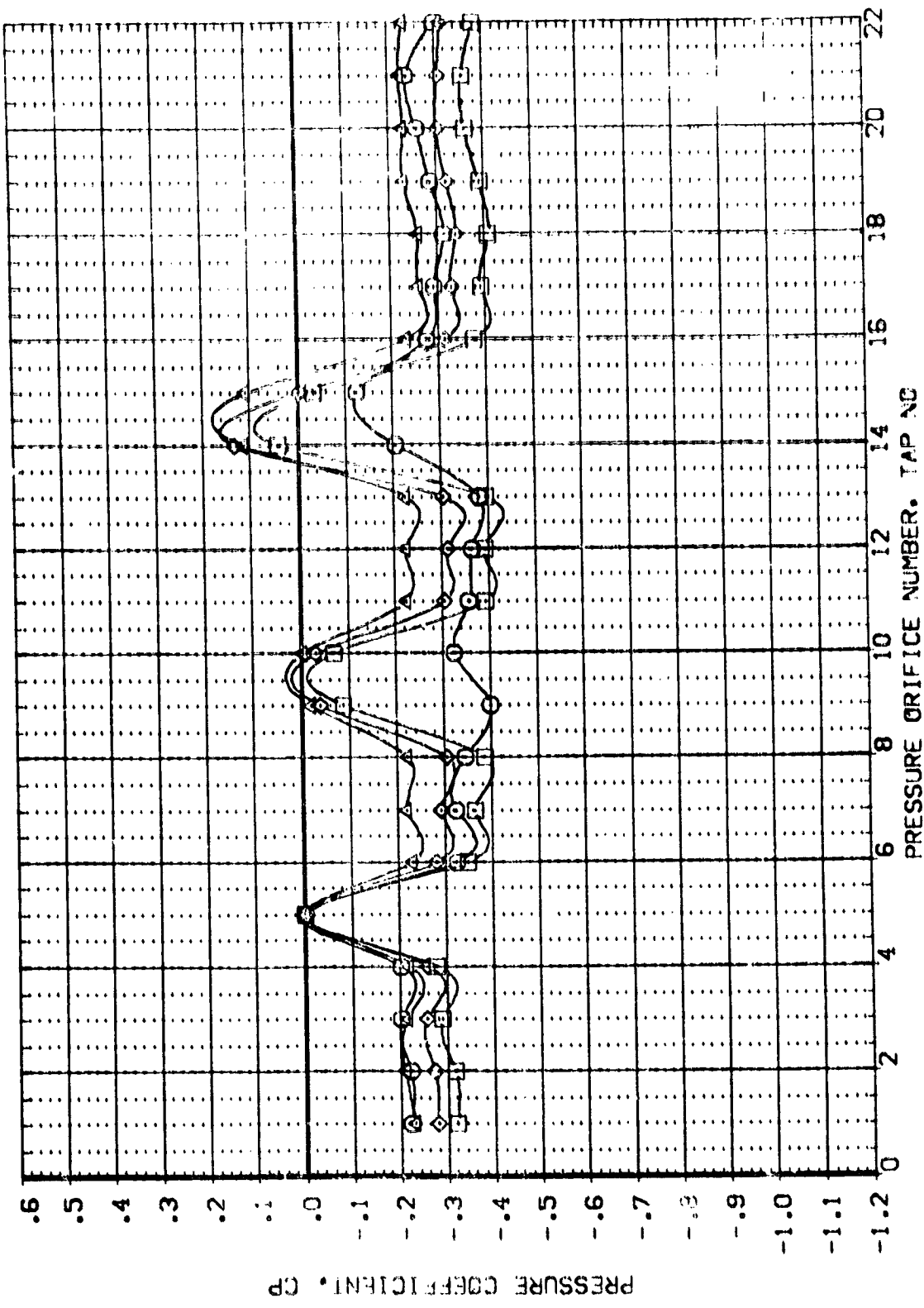


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS





BASE REGIONS (RF4304)

PARAMETRIC VALUES  
BE<sup>2</sup> .000

1A68 C1 F1 M:(1)

SYMBOL MACH X/L ALPHA  
○ 1.211 1.000 -3.870  
◇ 1.503  
◇ 1.991

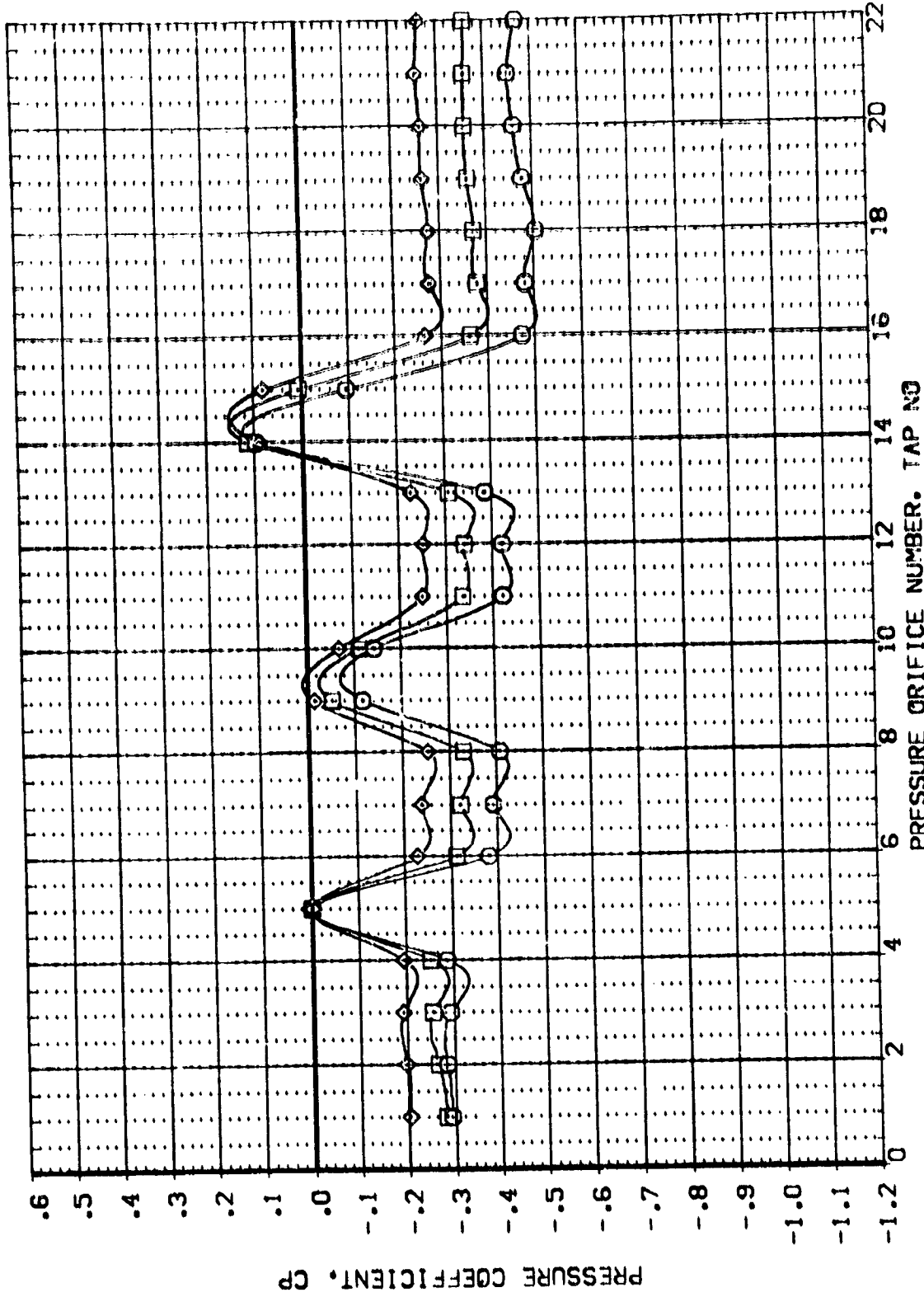


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - MI STRUT

IA68 C: F1 M(1)

BASE REGIONS

(RF4304)

SYMBOL

MACH  
1.211  
1.503  
1.591

X/L

1.000

ALPHA

-2.000

BETA

.000

PARAMETRIC VALUES

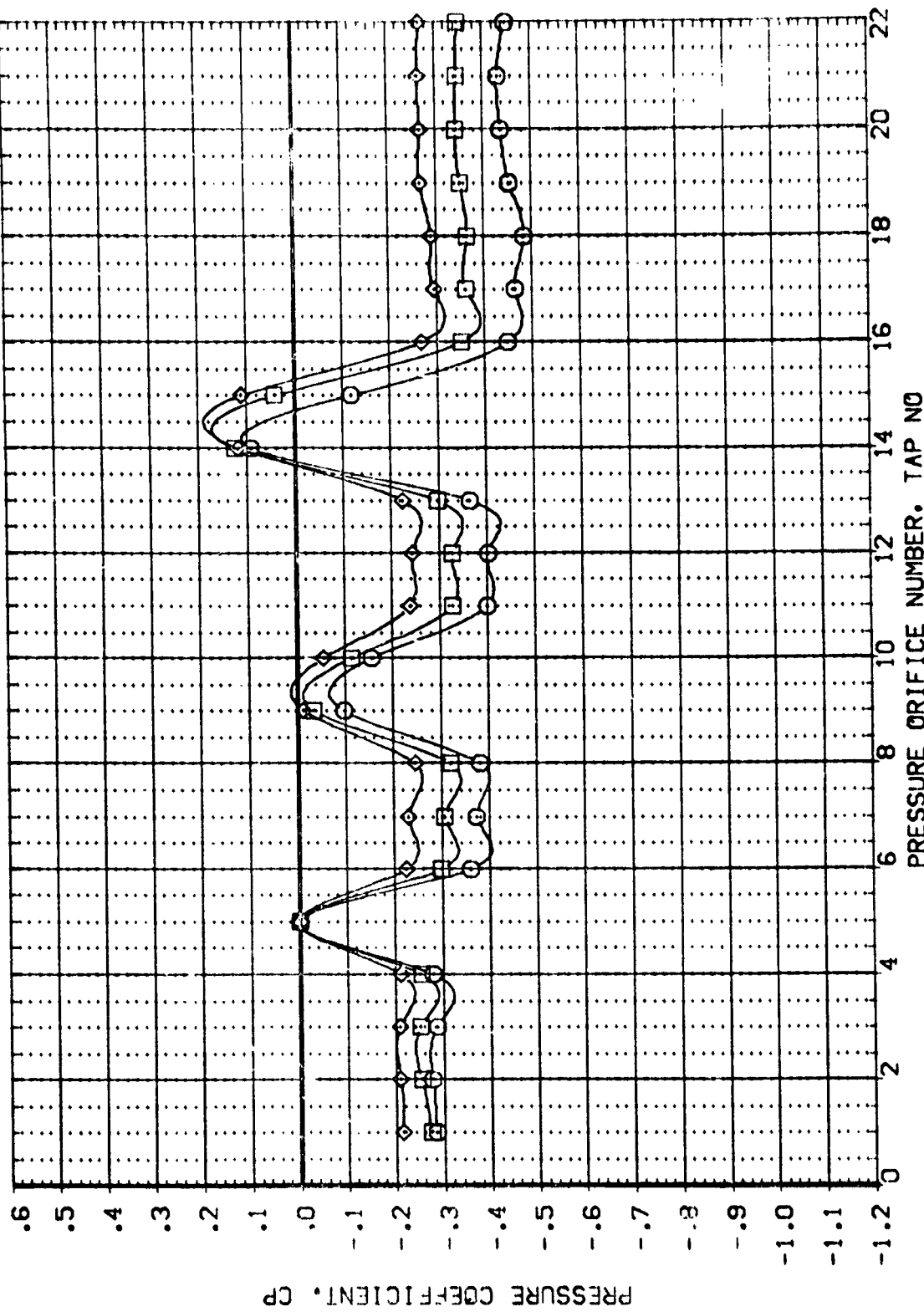


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT



IA68 C1 F1 M1(1)

BASE REGIONS

(RF4304)

SYMBOL  
◇  
□  
○

MACH  
1.211  
1.503  
1.991

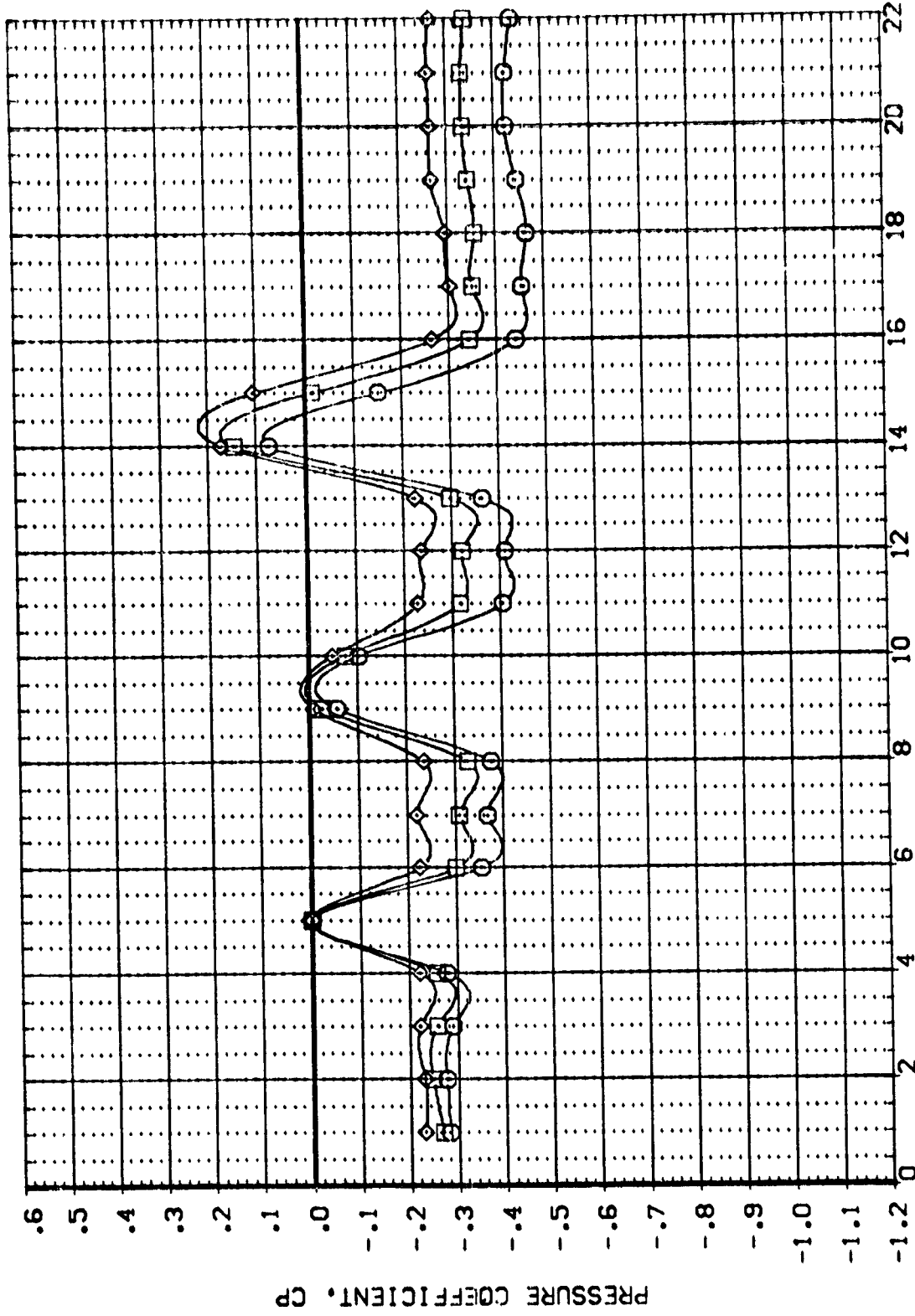
X/L  
1.000

ALPHA  
.000

PARAMETRIC VALUES

BETA

.000



PRESSURE ORIFICE NUMBER, TAP NO

FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT



BASE REGION'S (RF4304)

PARAMETRIC VALUES

1A68 C: F: M(1)

ALPHA 2.000

X/L 1.000

MACH 1.211

1.503

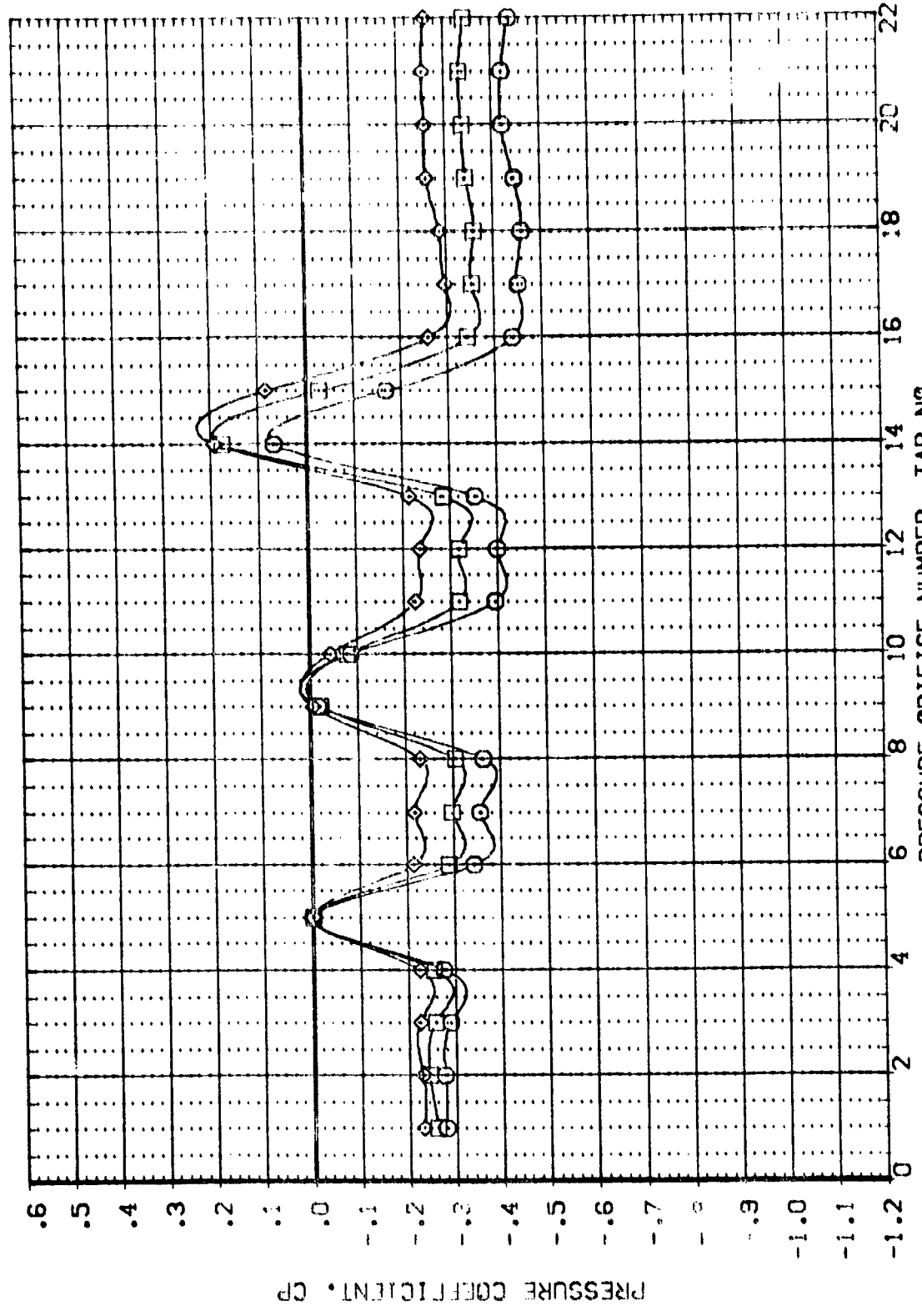
1.991

○

◇

□

+



MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT



IA68 C1 F1 M(1)

BASE REGIONS

(RF4804)

PARAMETRIC VALUES  
BETA .000

SYMBOL

MACH	X/L	ALPHA
1.211	1.000	3.900
1.503		
1.991		

○  
◇

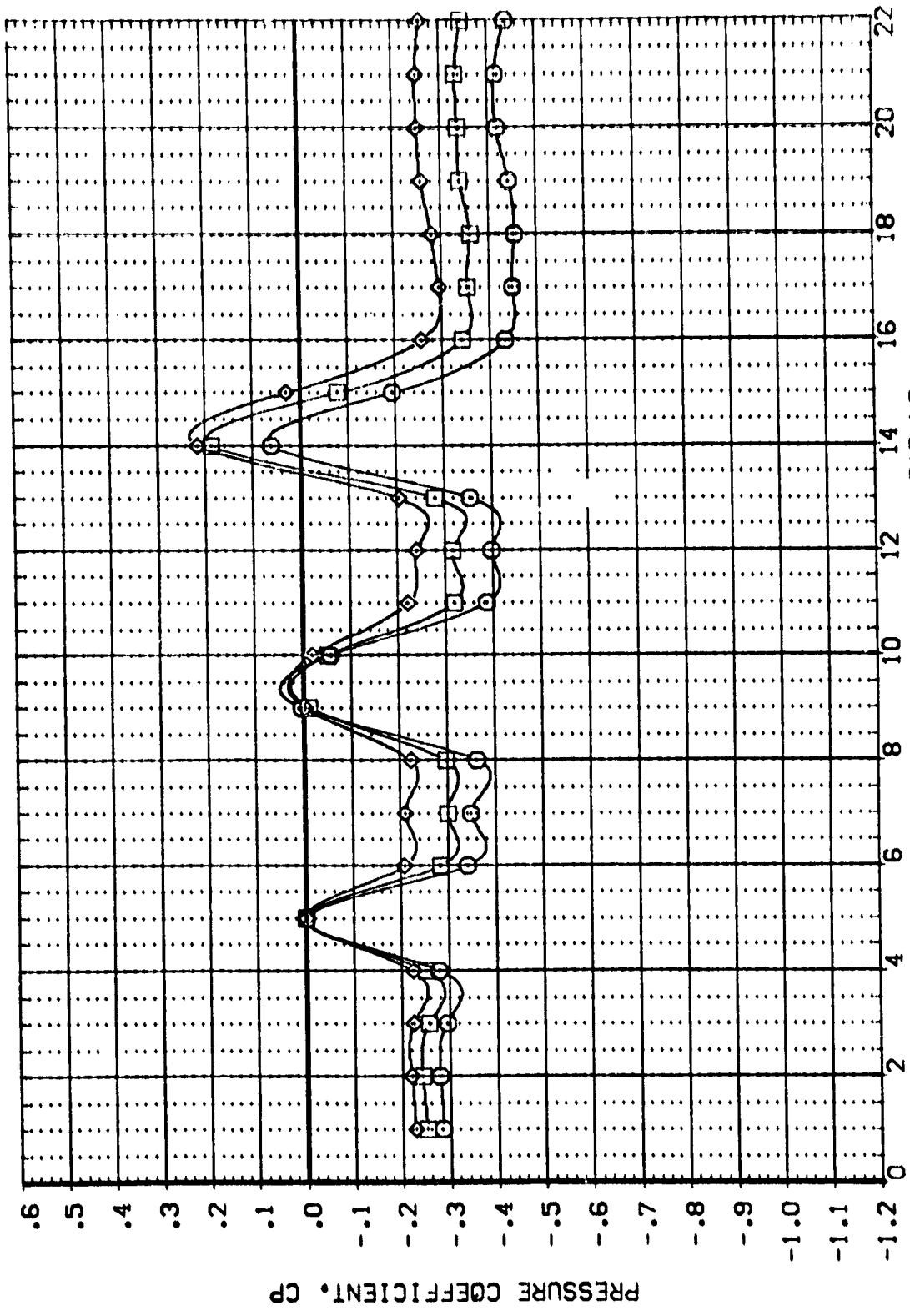


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

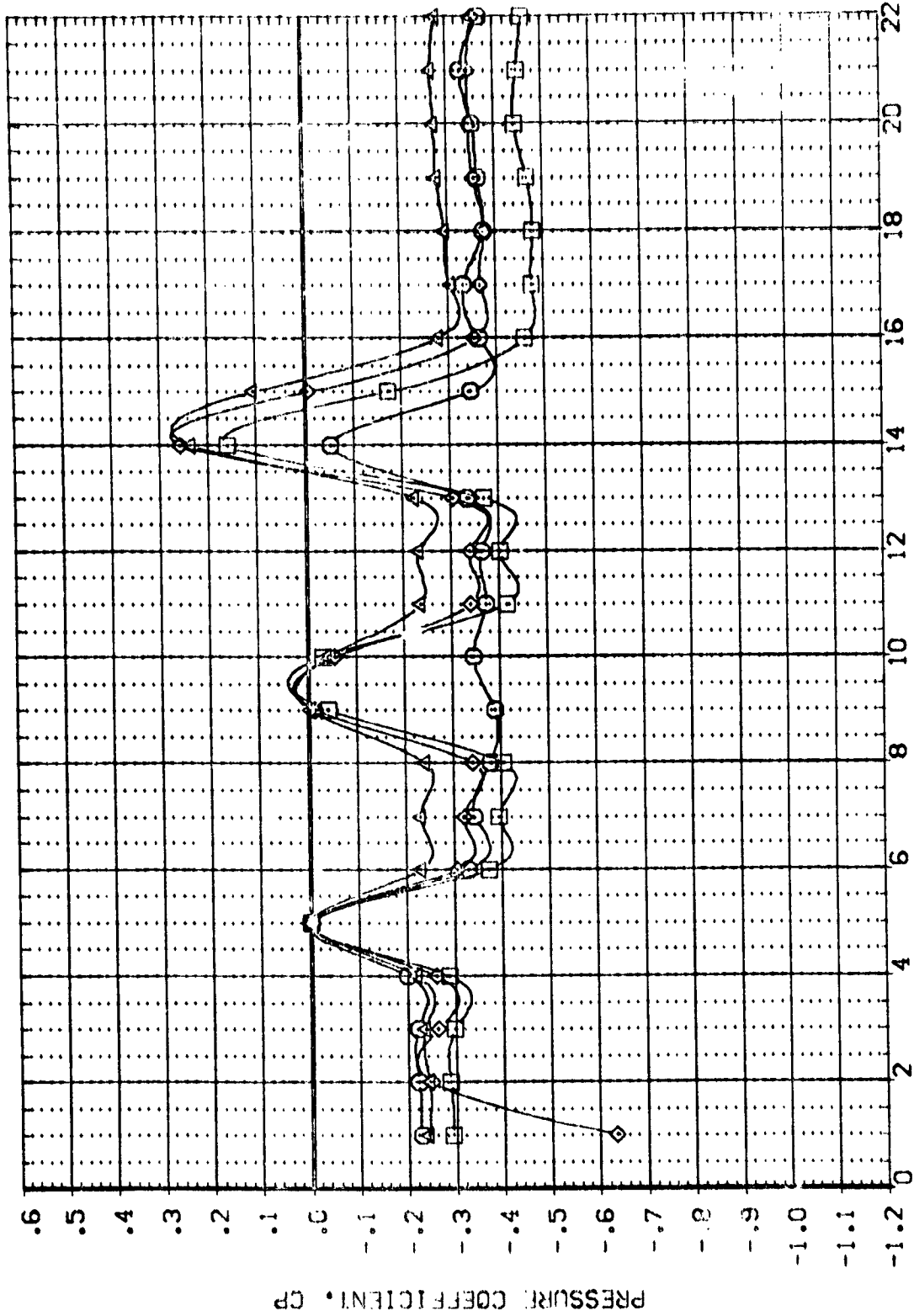
TA68 C1 F1 M(1)

BASE REGIONS

(REF 4305)

ASYMPTOTIC VALUES  
ALPHA .000

SYMBOL	MACH	X/L	BETA
○	.886	1.000	-3.860
◇	1.209		
△	1.503		
▽	1.991		



PRESSURE ORIFICE NUMBER, TAP NO

FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT



IA68 C1 F1 M(1)

BASE REGIONS

(RF4805)

PARAMETRIC VALUES  
ALPHA .000

SYMBOL	MACH	X/L	BETA
○	.896	1.000	-1.880
□	1.209		
◇	1.503		
△	1.991		

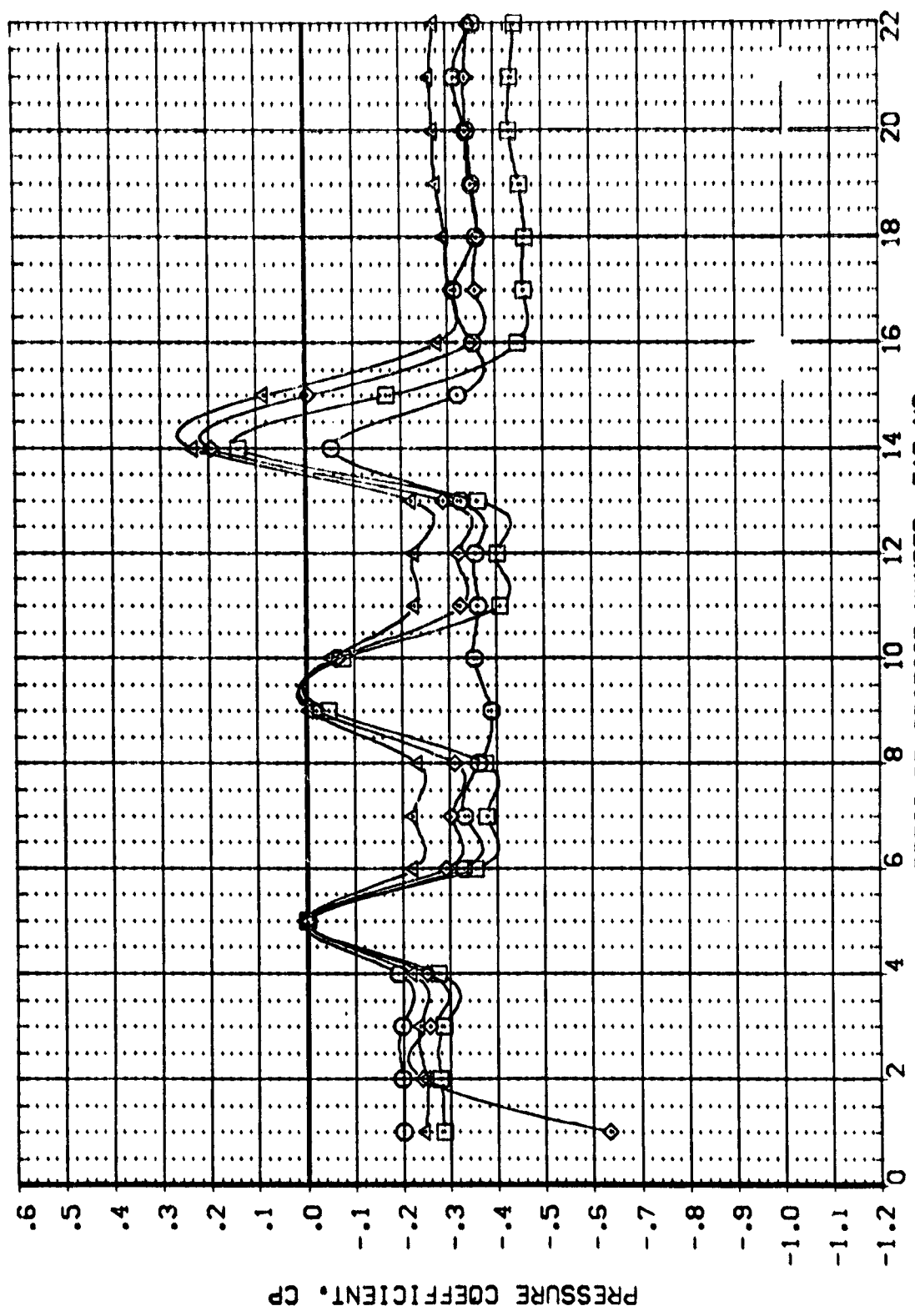


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT



IA68 C1 F1 M1(1) BASE REGIONS (RF4305)

PARAMETRIC VALUES  
ALPHA .030

SYMBD. MACH X/L BETA  
 O 1.000 .030  
 Δ 1.209  
 ◇ 1.503  
 △ 1.991

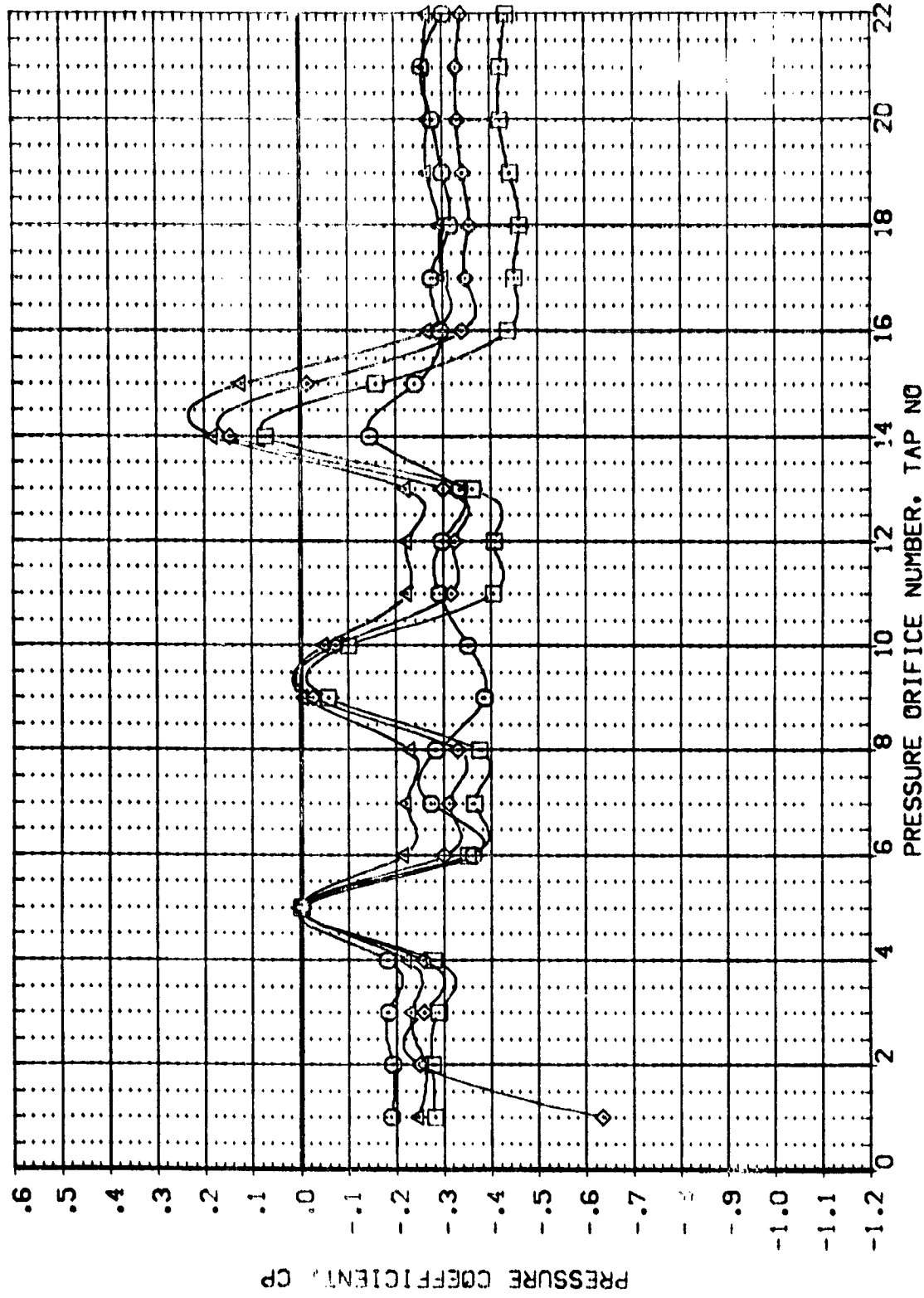


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - MI STRUT





BASE REGIONS (RF4305)

1A68 C1 F1 M(1)

PARAMETRIC VALUES  
ALPHA .000

BETA 1.960

X/L 1.000

MACH  
.856  
1.209  
1.503  
1.991

SYMBOL  
□  
○  
△  
◇

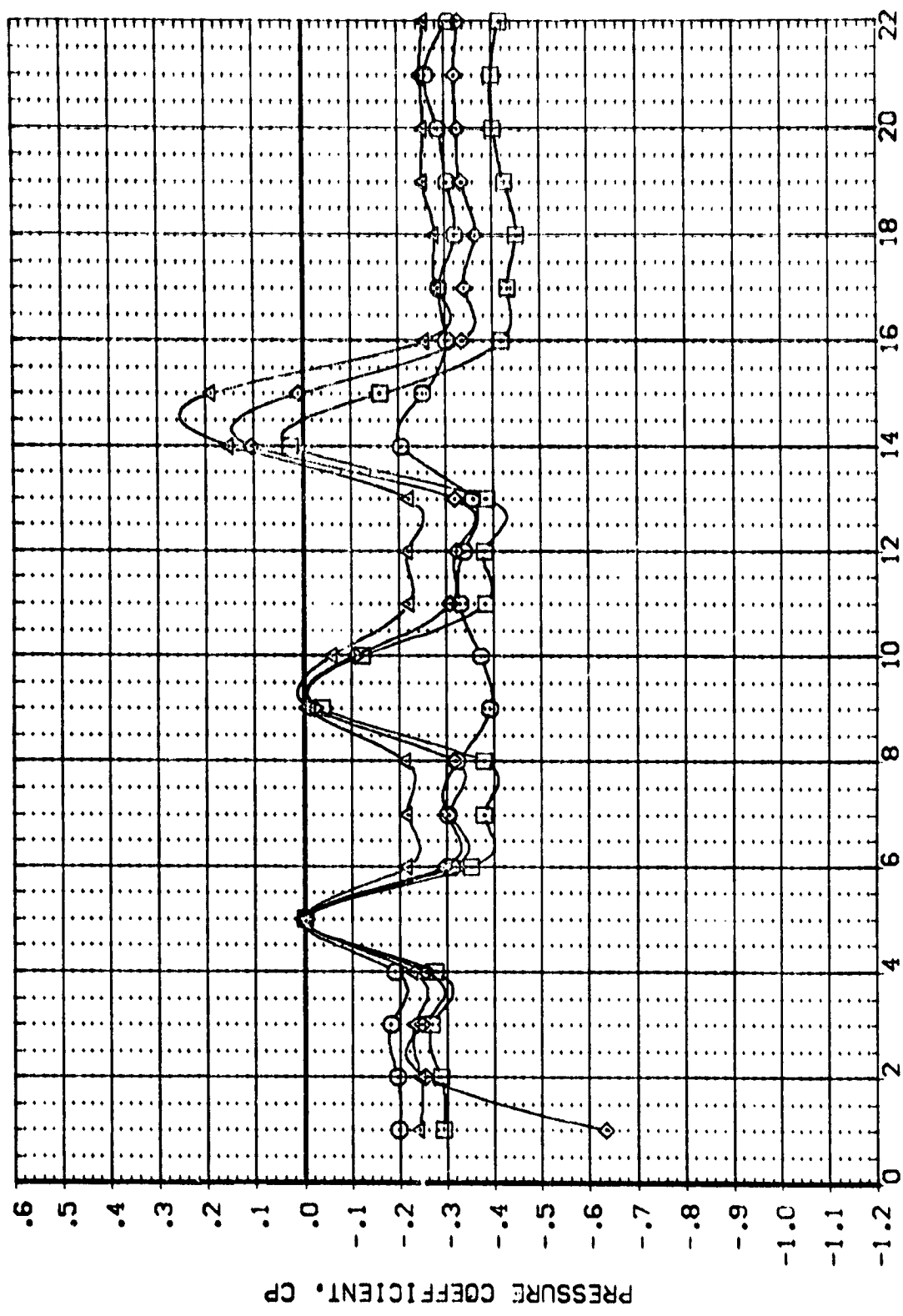


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT



IA68 C1 F1 M:(1)

BASE REGIONS

(PF-305)

PARAMETRIC VALUES  
ALPHA .300

SYMBOL MACH X/L BETA

○	1.209	1.000	3.910
◇	1.503		
△	1.991		

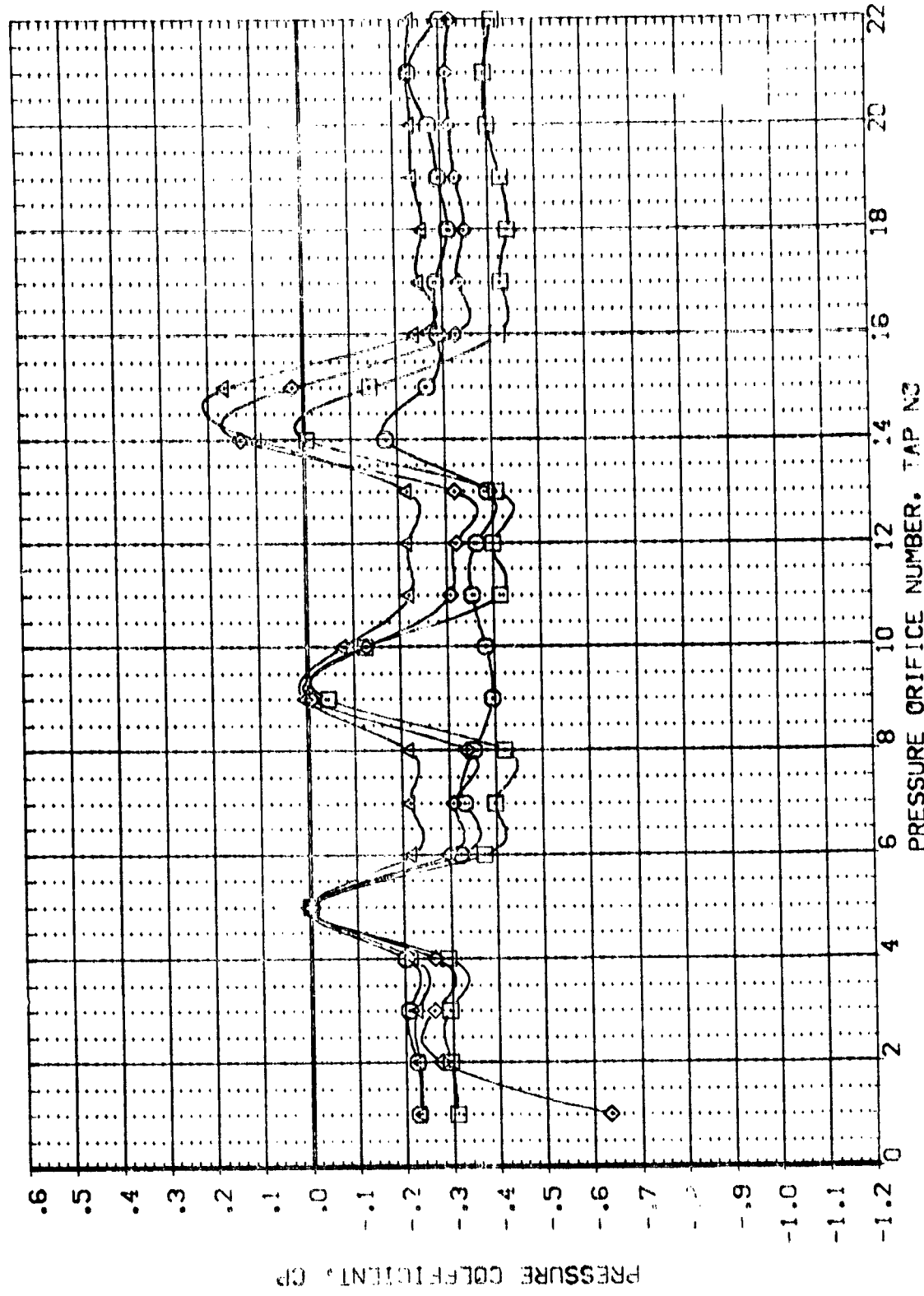


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT



BASE REGIONS (RF4311)

JAG8 C1 F1 M1(1)

PARAMETRIC VALUES

SYMBOL MACH X/L ALPHA  
 O 1.503 1.000 -3.700  
 □ 1.991

BETA

.000

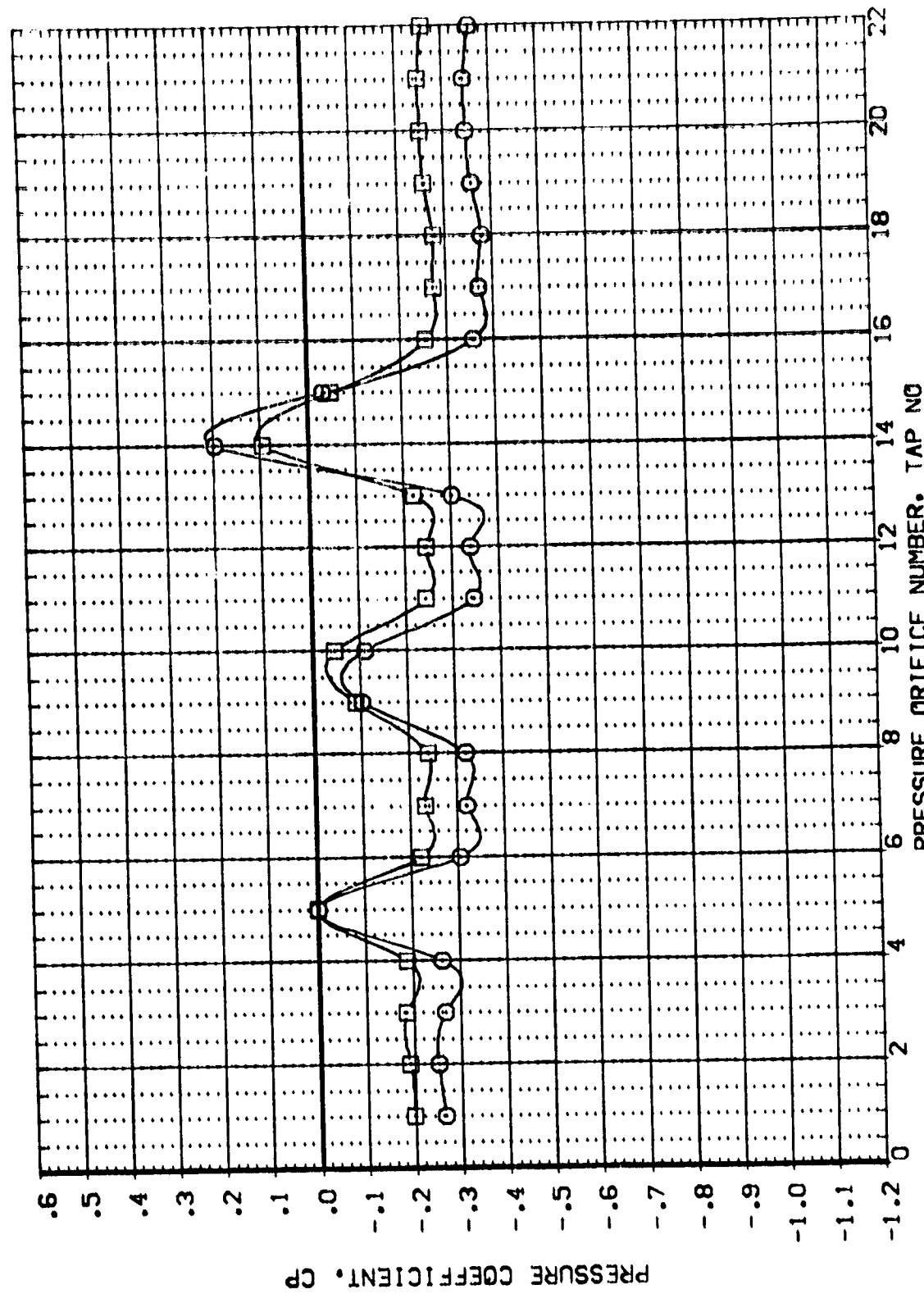


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - MI STRUT

BASE REGIONS (REF: 1311)

BASE REGIONS (REF: 1311)

1A68 C1 F: M(1)

SYMBOL MACH X/L ALPHA

REF: 1311

SYMBOL MACH X/L ALPHA

1.503 1.000 -1.790

1.991

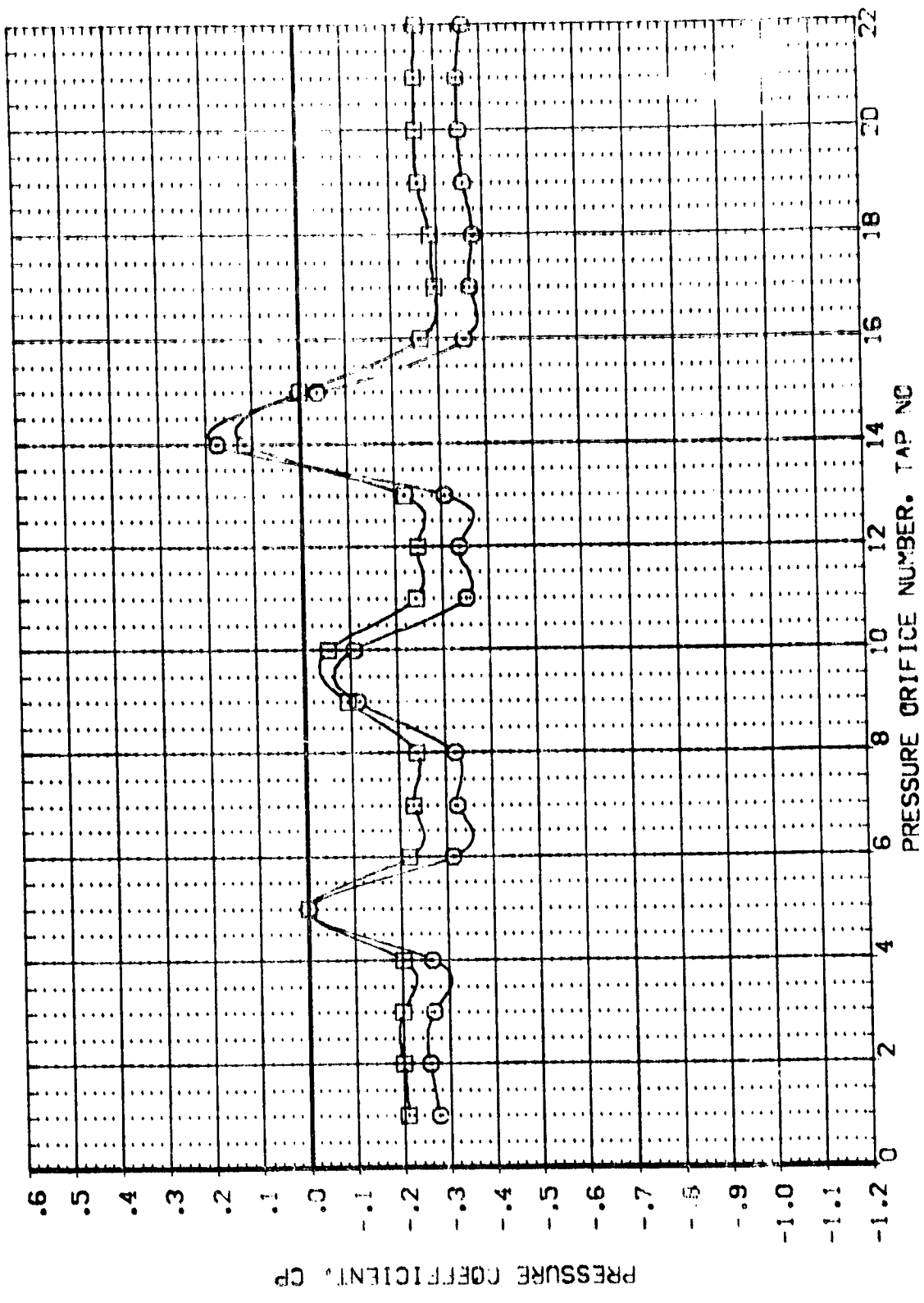


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUCT



1A68 C1 F1 M1010

BASE REGIONS

(RF4311)

SYMBOL MACH X/L ALPHA  
□ 1.503 1.000 .120  
○ 1.991

PARAMETRIC VALUES  
BETA .000

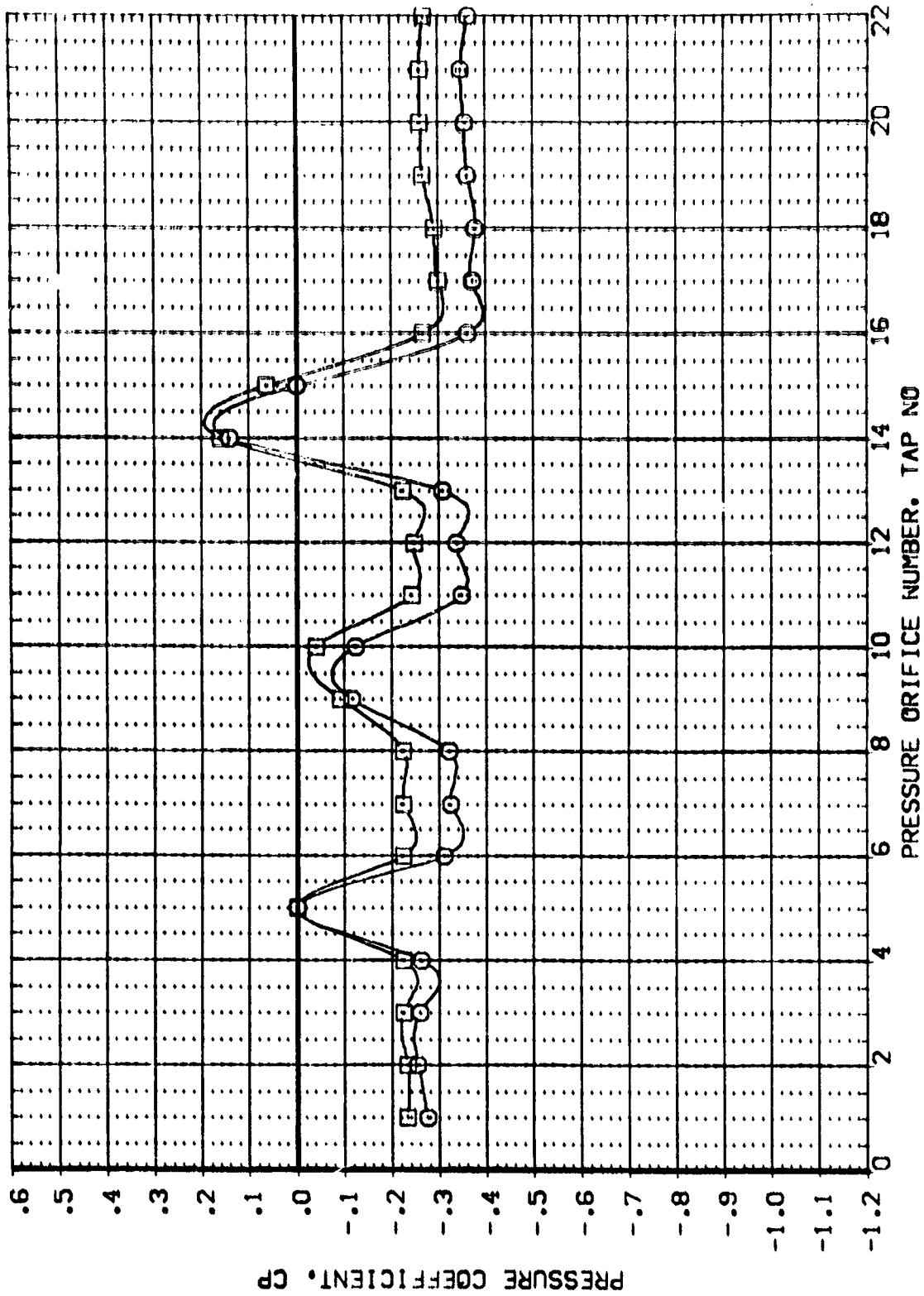


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - MI STRUT

IA68 C1 F1 M1010 BASE REGIONS (REF: 110)

PARAMETRIC VALUES

SYMBOL MACH X/L ALPHA  
 ○ 1.503 1.000 2.010  
 □ 1.991

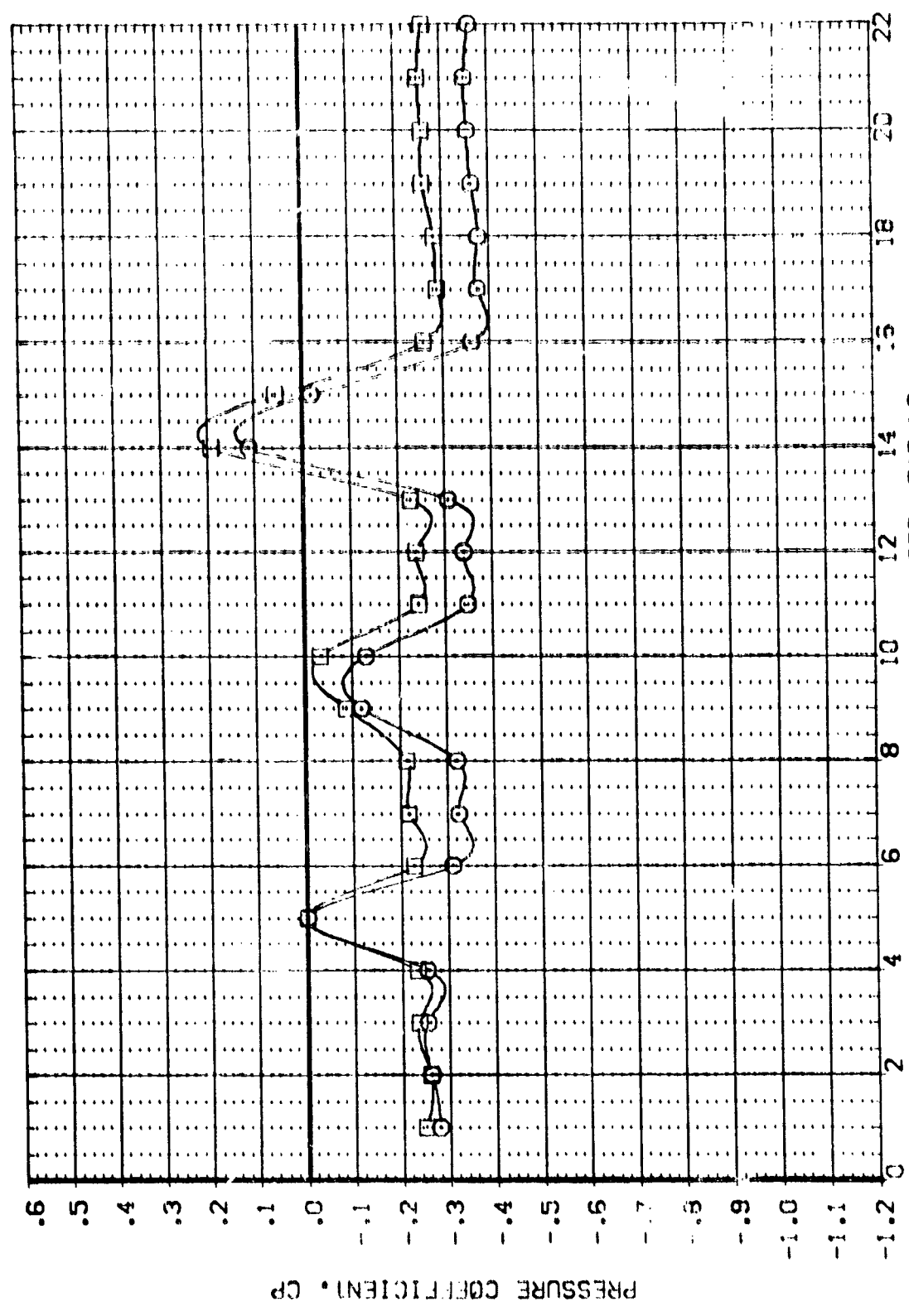


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - MI STRUT

IA68 C1 F1 M(1) [R-1310] BASE REGIONS (R-1310) PARAMETRIC VALUES

SYMBOL MACH X/L ALPHA .000

□ 1.503 1.000 4.040

○ 1.991

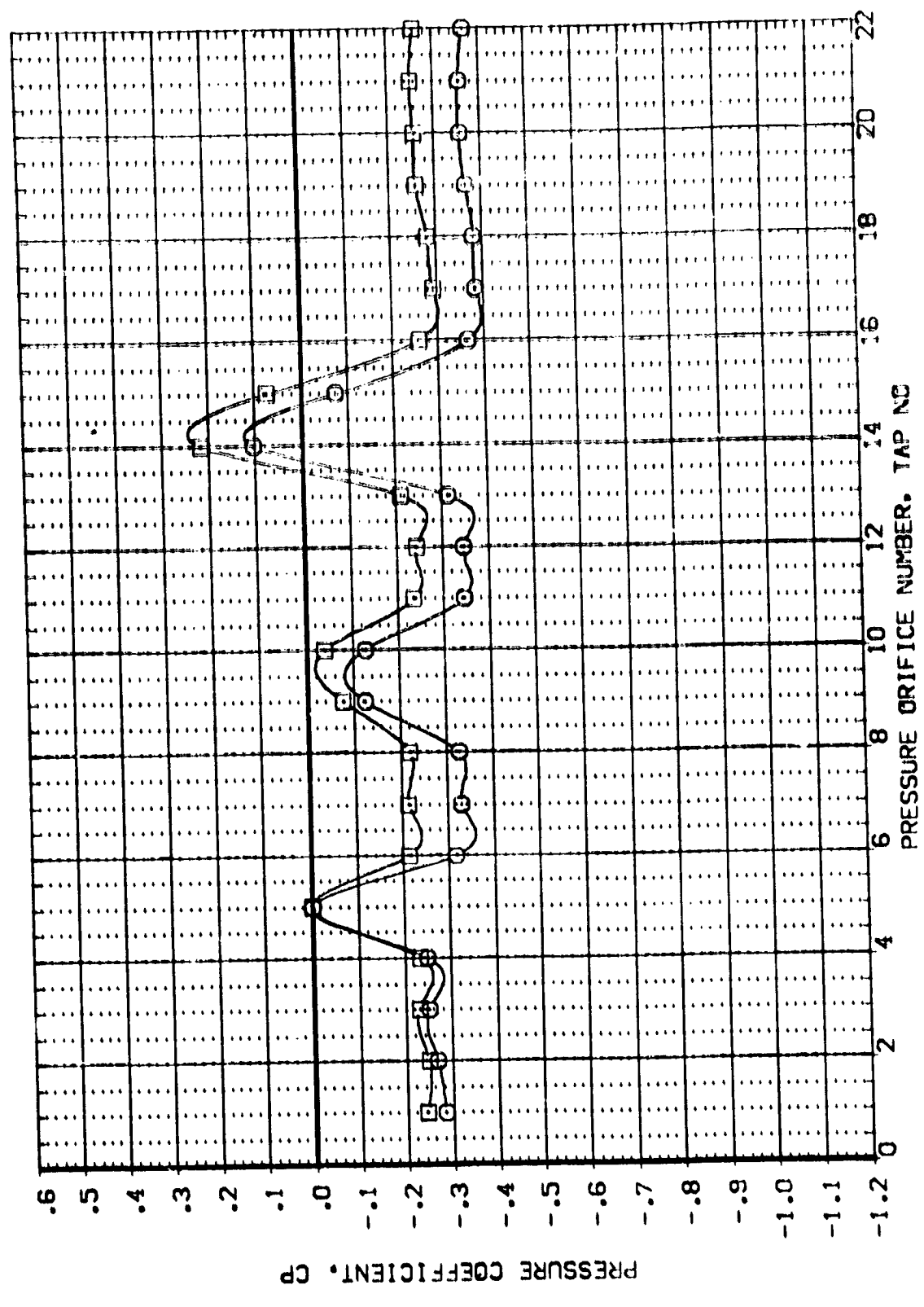


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - MI STRUT

BASE REGIONS (RF4306)

TA68 C: F: M2(1)

PARAMETRIC VALUES

BETA

ALPHA

X/L

MACH

SYMBOL

.896

1.000

1.223

.000

.000

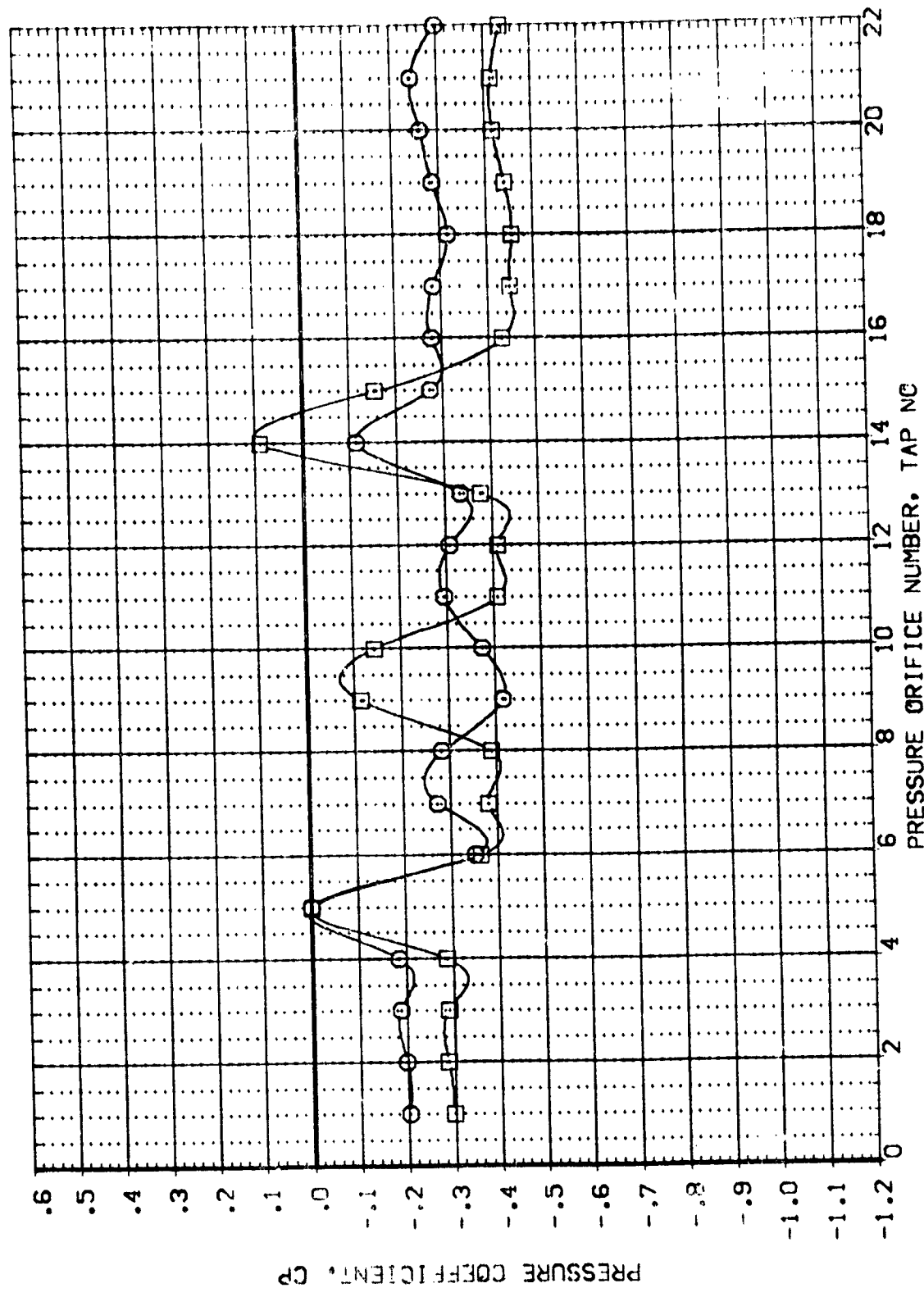


FIG 14 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT





IA68 C1 F1 M2(1) + FILLET BASE REGIONS (RF4BC7)

PARAMETRIC VALUES  
BETA .000

SYMBOL: MACH X/L ALPHA  
 O 1.206 1.000 -4.080  
 □ 1.991

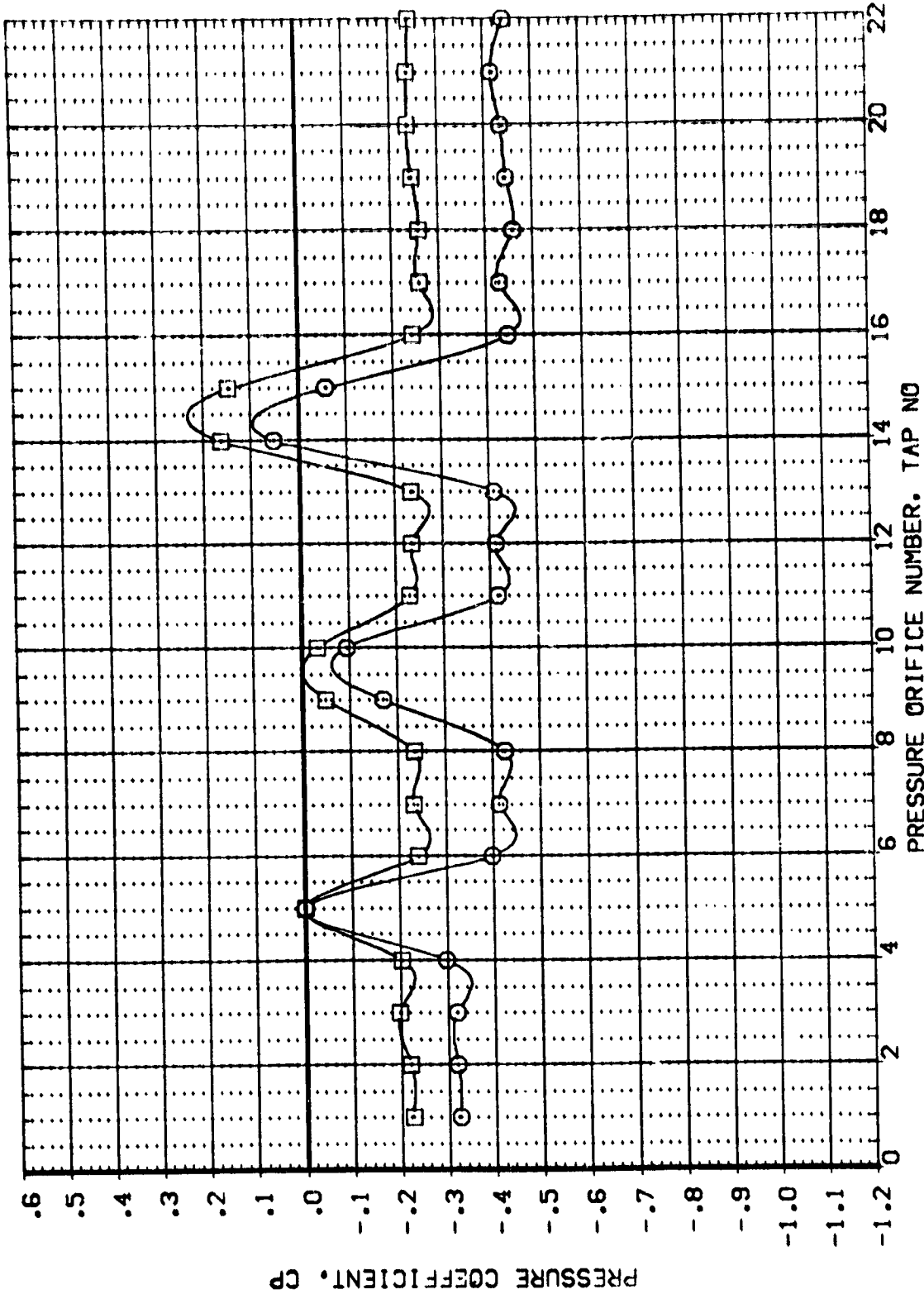


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET



IA68 C: F1 M2(1) + FILLET BASE REGIONS (REF300)

PARAMETRIC VALUES  
 BETA .300

SYMBOL MACH X/L ALPHA  
 O .896 1.000 -3.670  
 □ 1.503

$M_0$

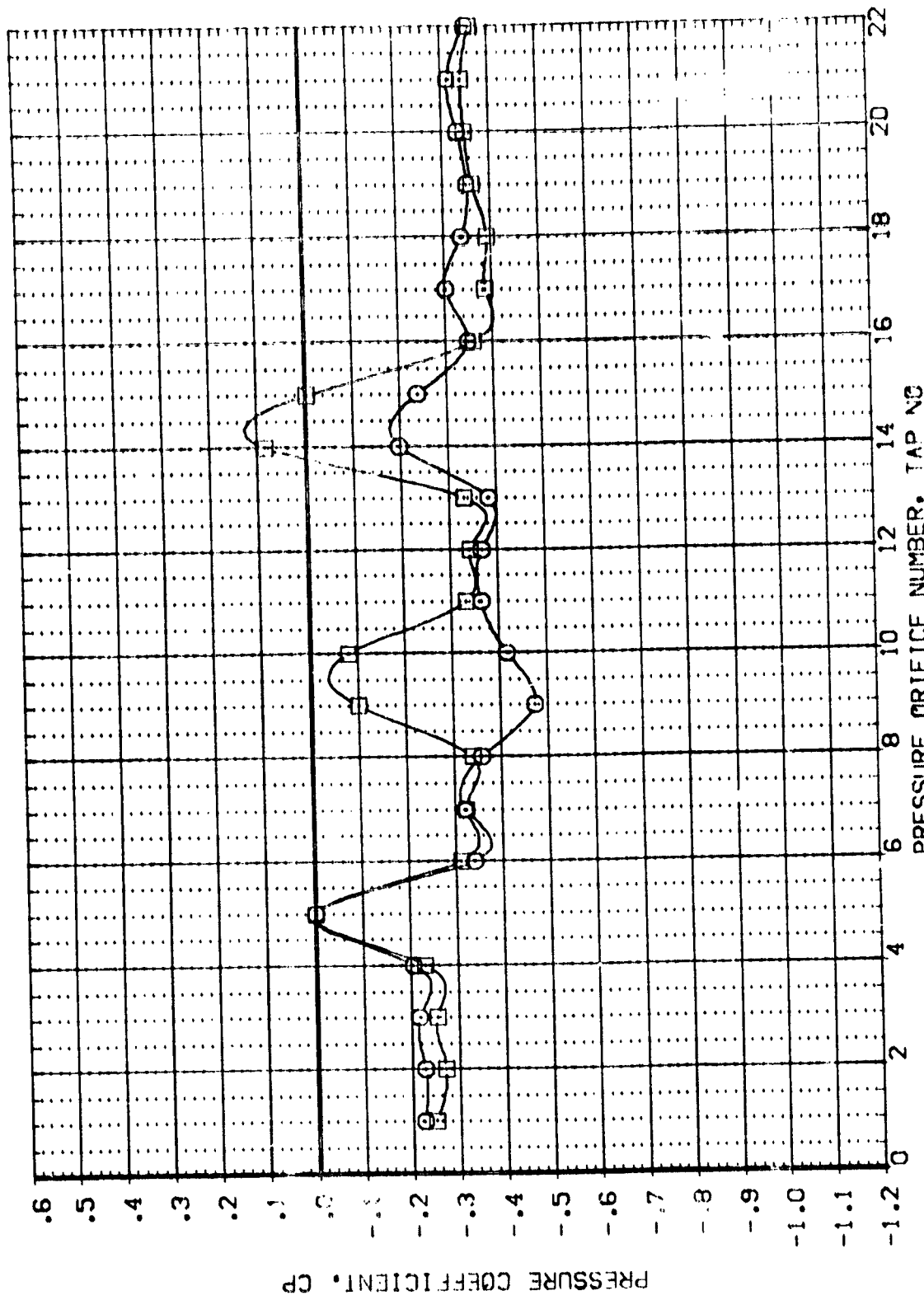


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET  
 PRESSURE ORIFICE NUMBER, TAP NO



JAG88 C: F: M2(1) + FILLET BASE REGIONS (RF48C7)

PARAMETRIC VALUES  
BETA .000

ALPHA -1.920

X/L 1.000

MACH  
.896  
1.206  
1.503  
1.991

SYMBOL  
○  
□  
◇  
△

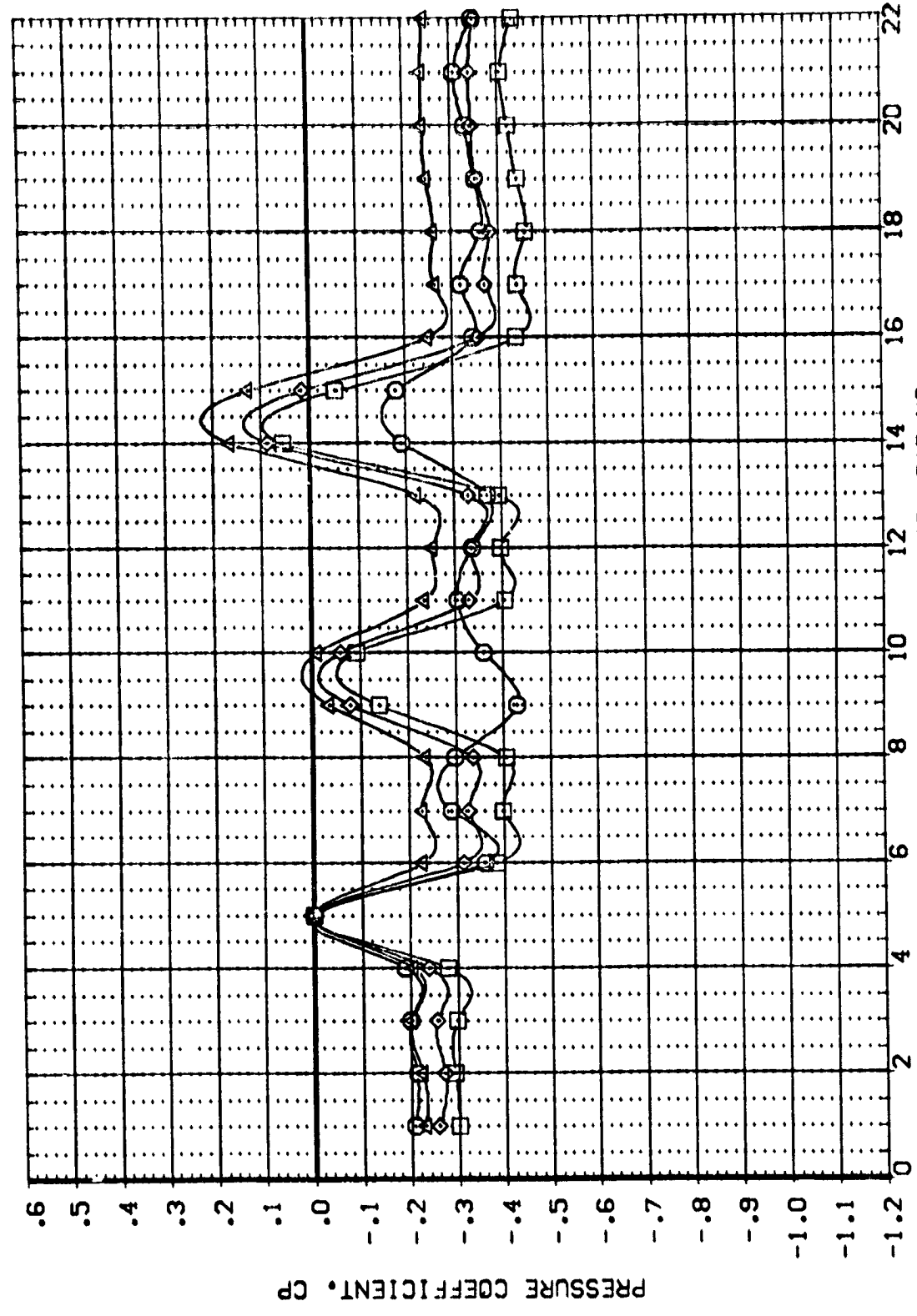


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

IA68 C1 F1 M2(1) + FILLET BASE REGIONS (REF4307)

PARAMETRIC VALUES  
 BETA

MACH X/L ALPHA  
 .896 1.000 .000  
 1.206  
 1.503  
 1.991

SYMBOL  
 ○ □ ◇ △

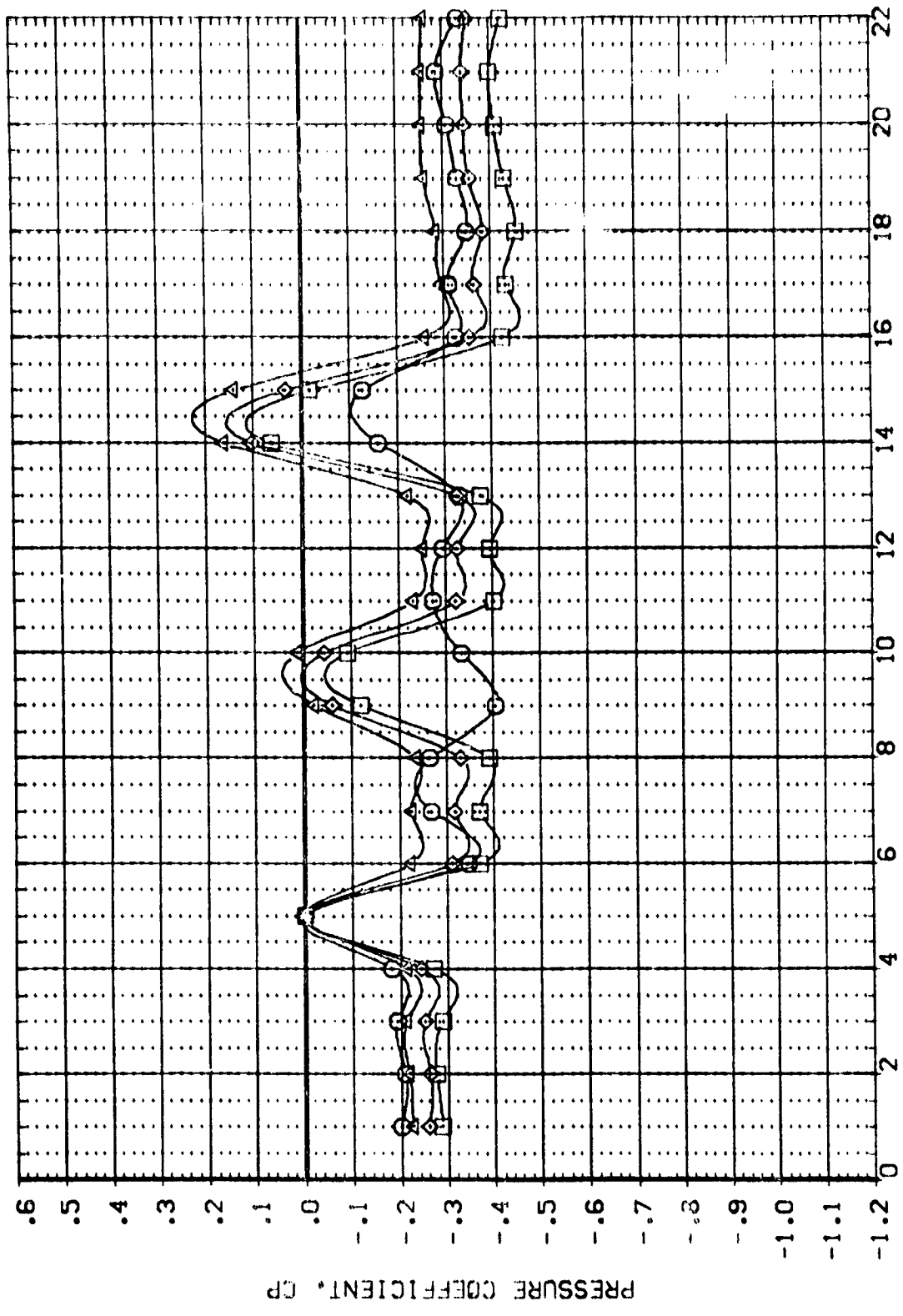


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET



IA68 C1 F1 M2(1) + FILLET BASE REGIONS (RF4807)

PARAMETRIC VALUES  
BETA .000

MACH X/L ALPHA  
.696 1.000 1.890  
1.206  
1.503

SYMBOL  
○ □ ◇

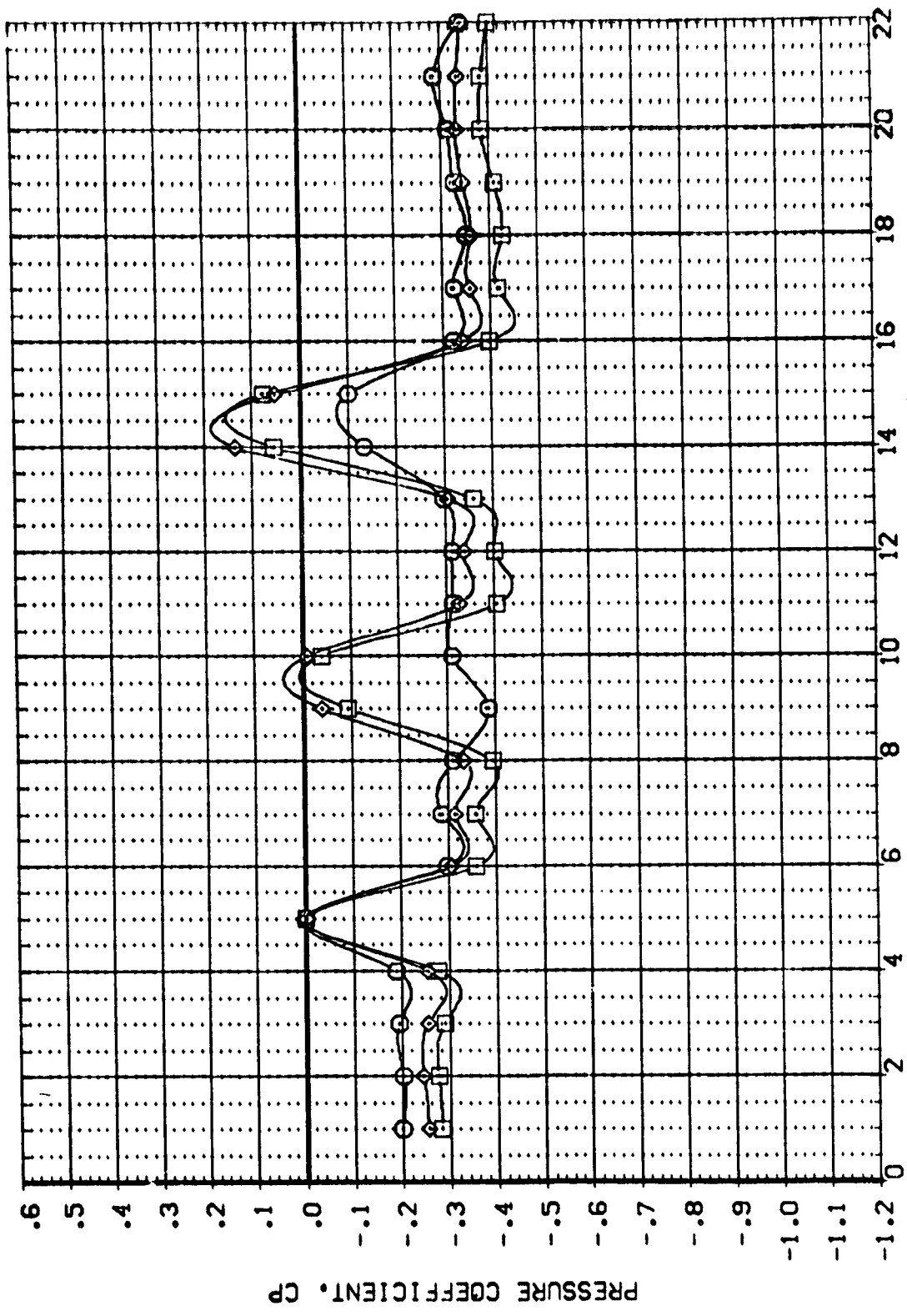


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

1A68 C1 F1 M2(1) + FILLET BASE REGIONS (RF4307)

PARAMETRIC VALUES  
BETA .000

SYMBOL MACH X/L ALPHA  
○ 1.991 1.000 2.120

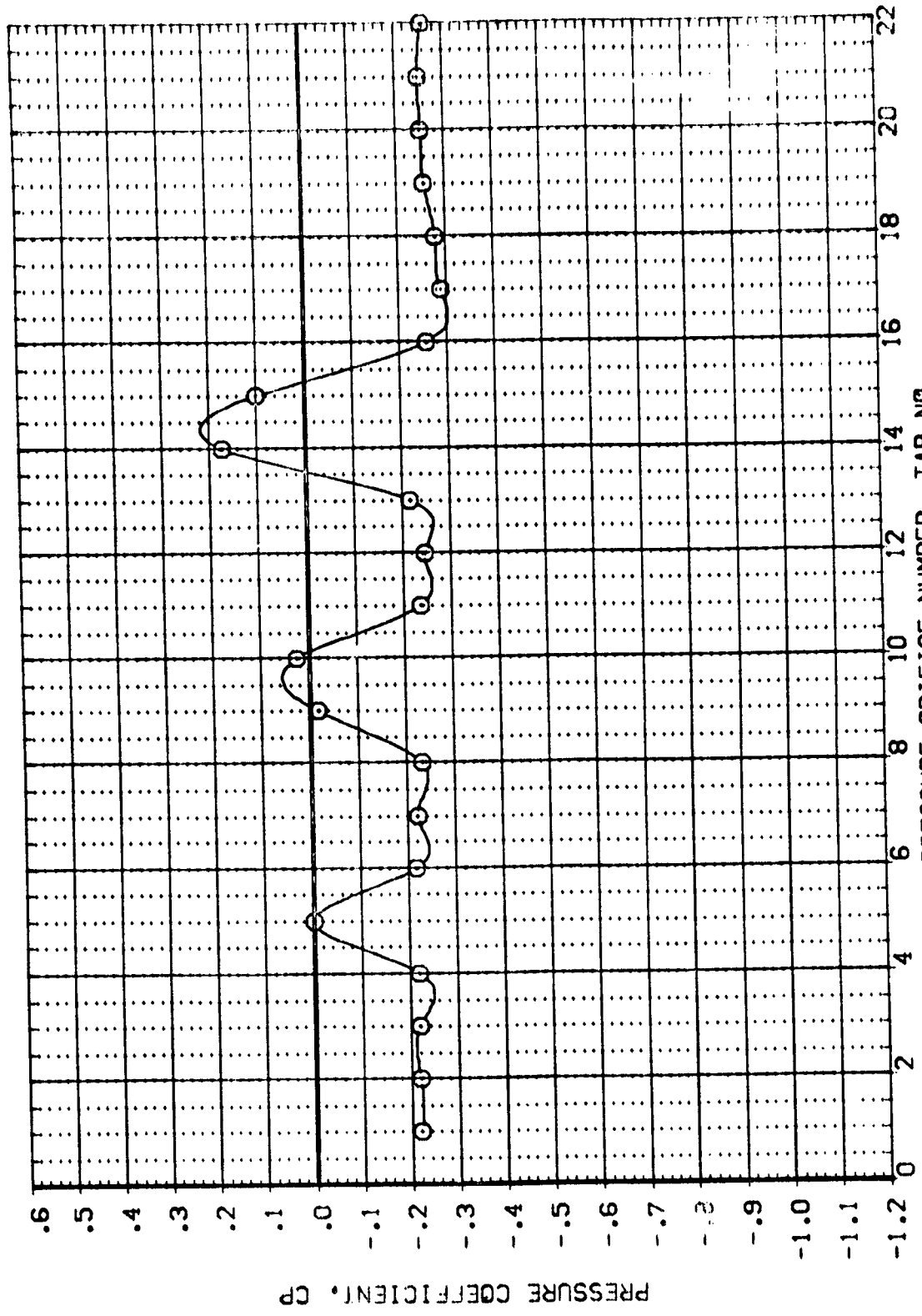


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET



IAG8 C1 F1 M2(1) + FILLET BASE REGIONS (RF4807)

PARAMETRIC VALUES  
BETA .000

SYMBOL MACH X/L ALPHA  
 □ 0.896 1.000 3.790  
 ○ 1.206  
 ◇ 1.503

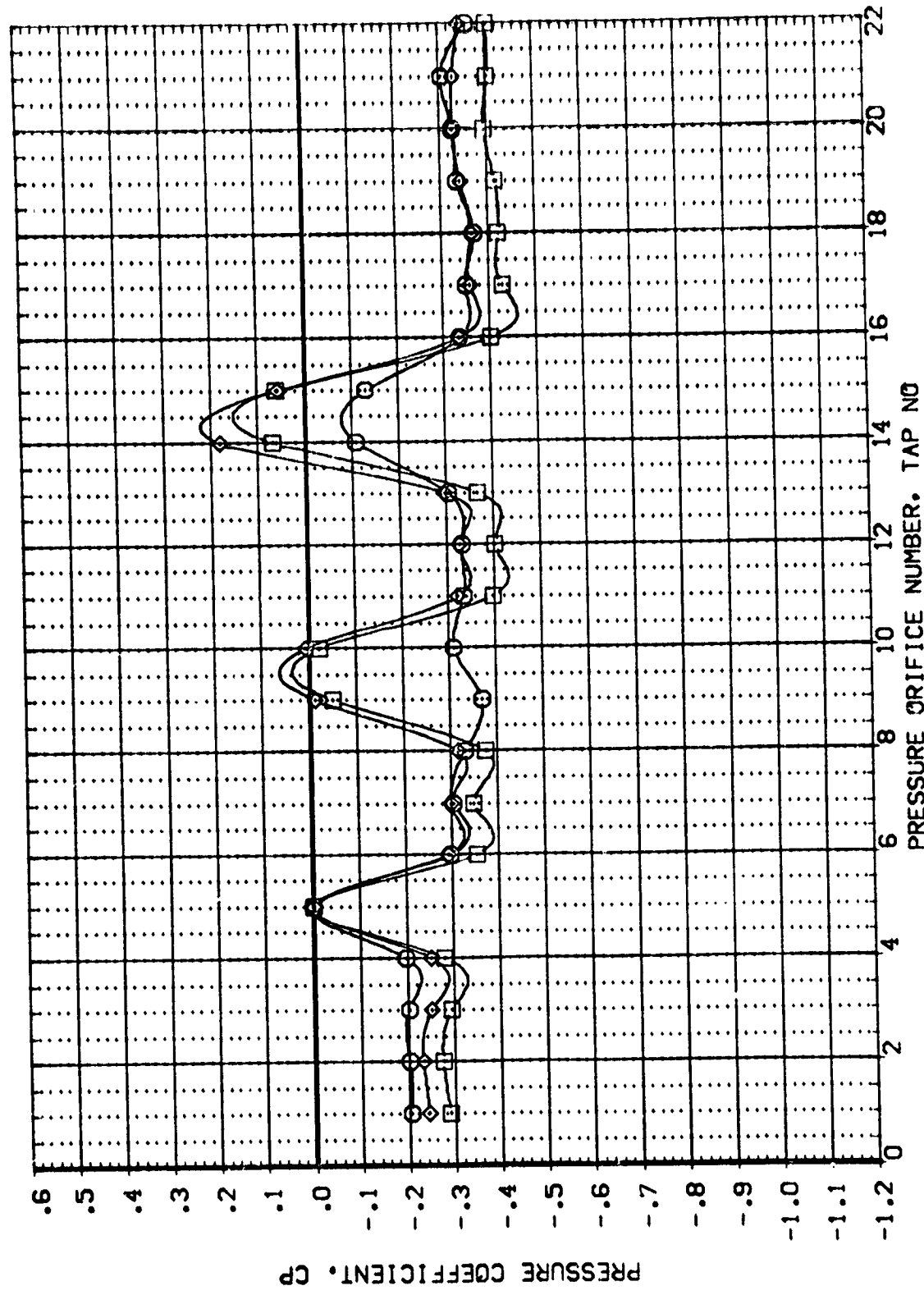


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

1A68 C1 F1 M2(1) + FILLET BASE REGIONS (RF43C7)

PARAMETRIC VALUES

SYMBOL: ○  
MACH: 1.991  
X/L: 1.000  
ALPHA: 4.070

BETA

.000

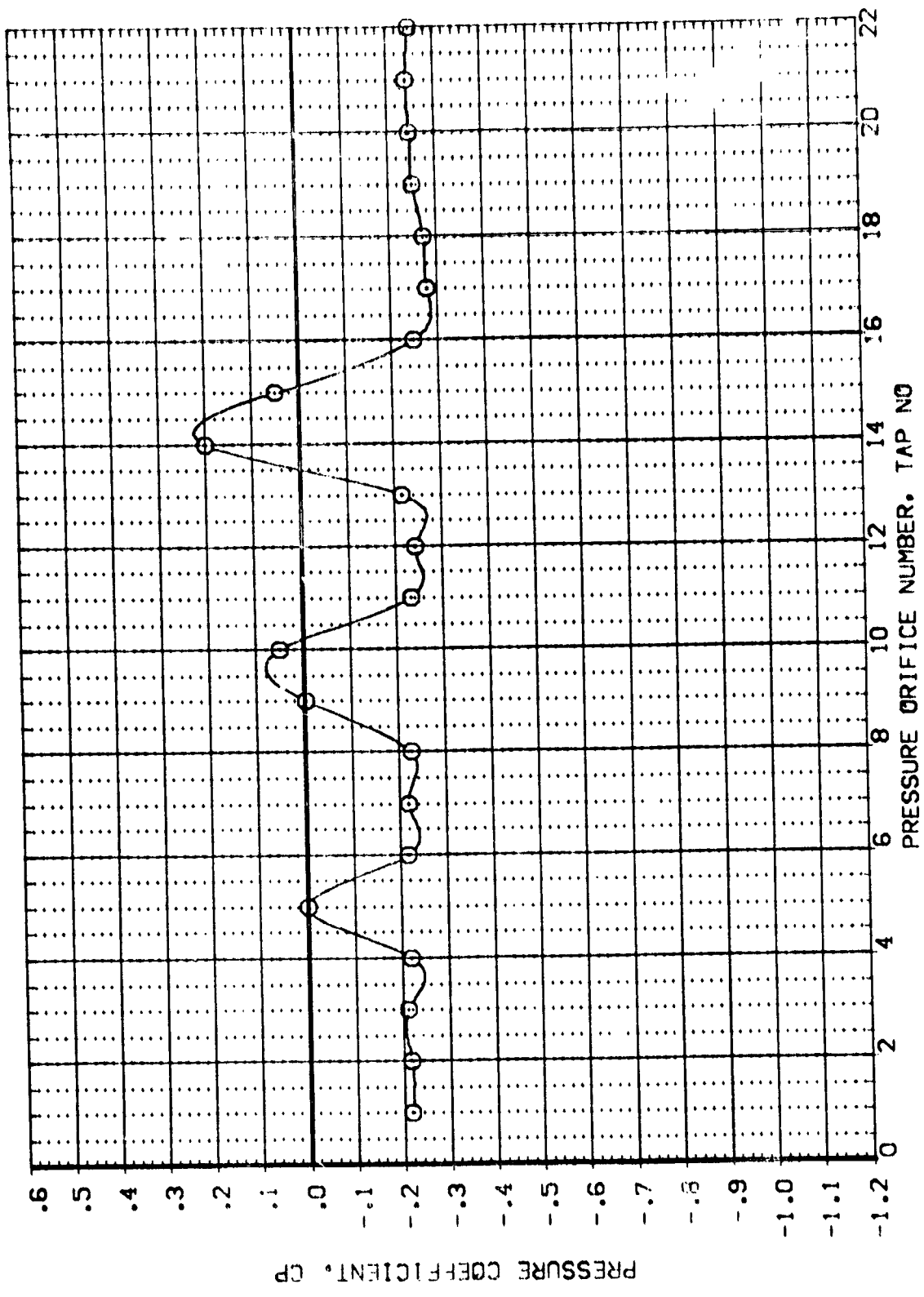


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET





IA68 CI F1 M2(1) + FILLET BASE REGIONS (RF-1308)

PARAMETRIC VALUES  
ALPHA .000

BETA -3.930

X/L 1.000

MACH .886  
1.210  
1.991

SYMBOL  
◇  
○  
□

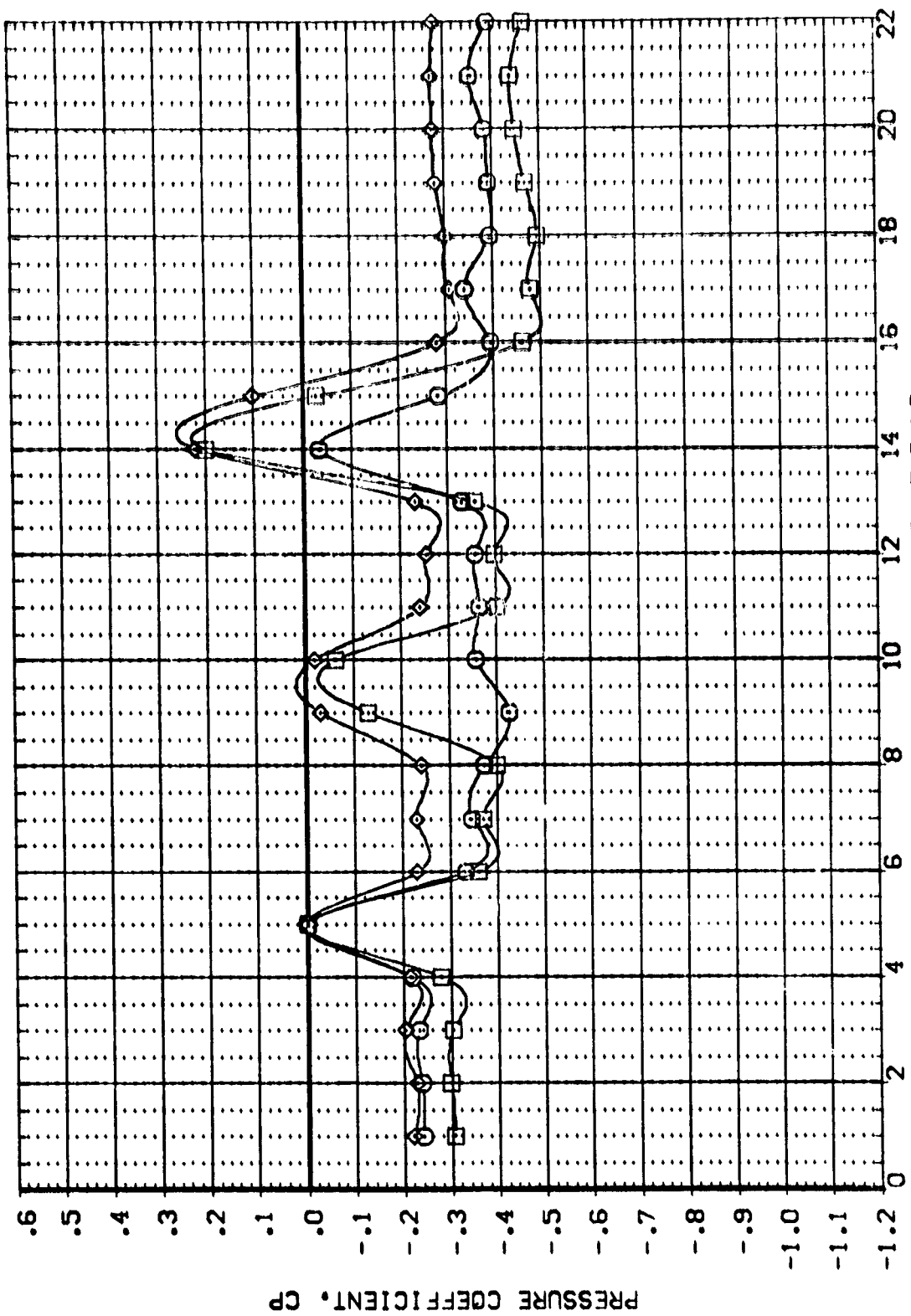


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

LA68 C1 F: M2(1) + FILLET BASE REGIONS (PF4308)

PARAMETRIC VALUES  
 ALPHA .000

SYMBOL MACH X/L BETA  
 O .866 1.000 -1.950  
 □ 1.210  
 ◇ 1.991

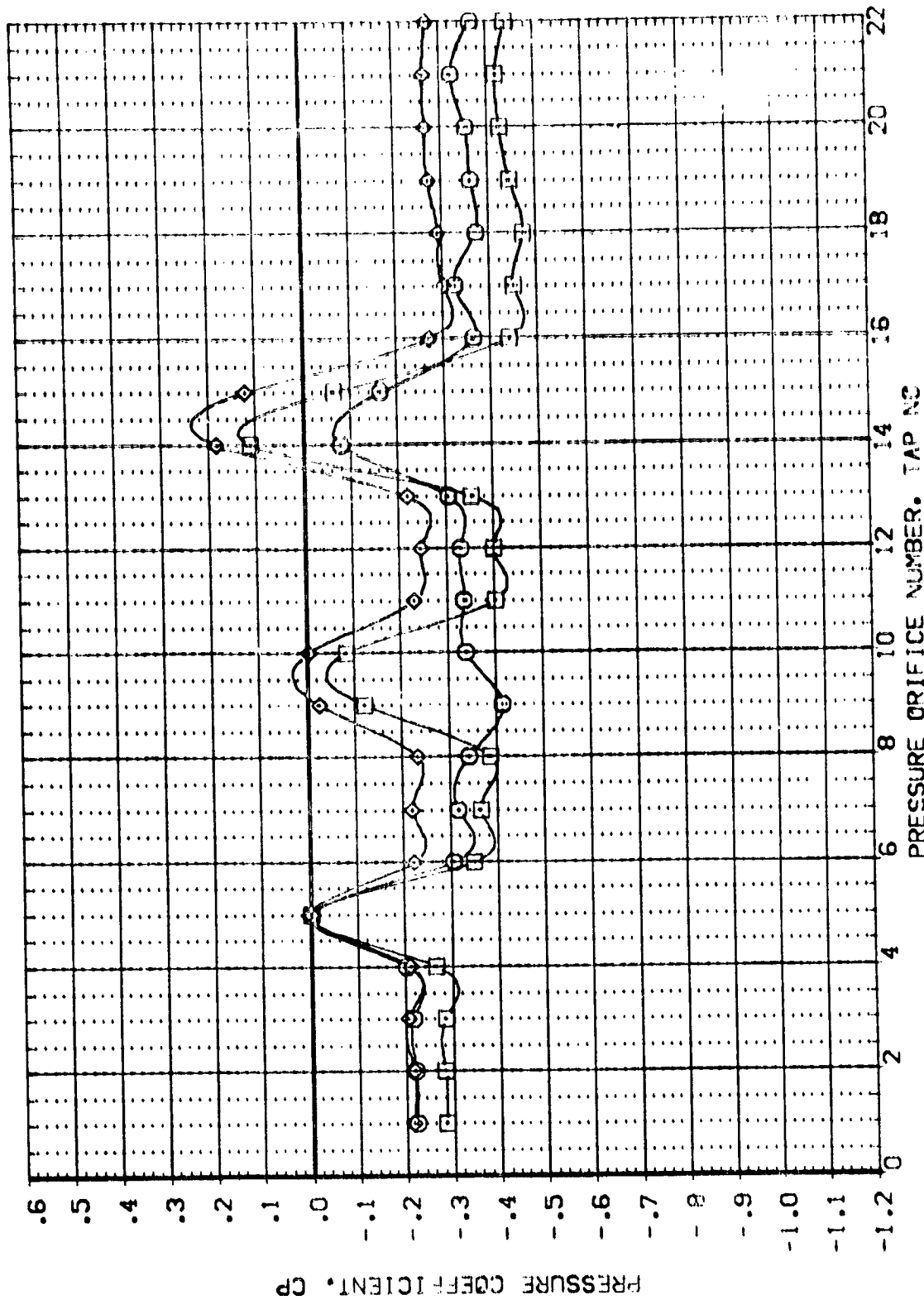


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET



CRF4308

BASE REGIONS

M2(1) + FILLET

C1 F1

PARAMETRIC VALUES  
ALPHA .000

BETA -.030

X/L 1.000

MACH .896  
1.210

SYMBOL  
○  
□

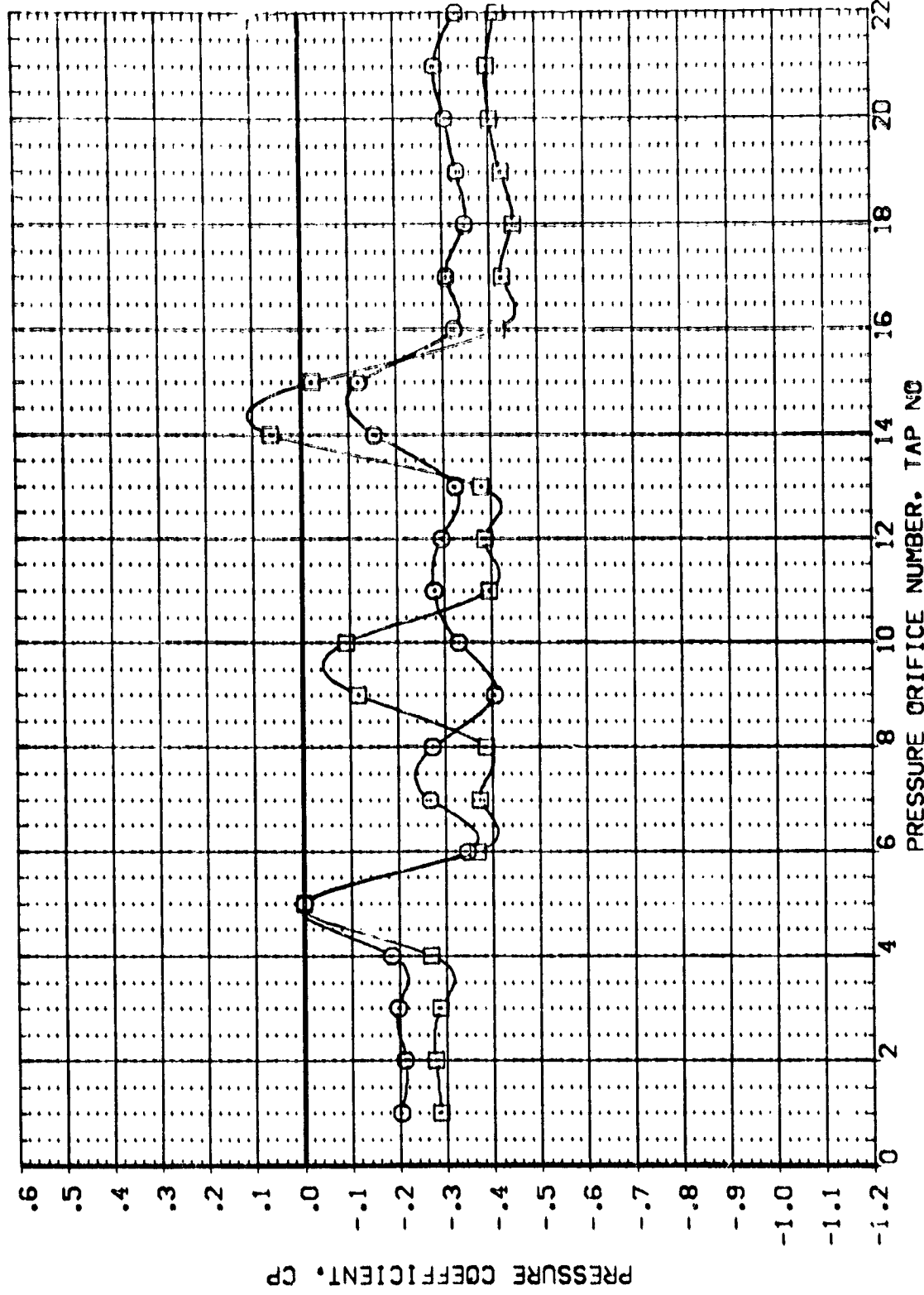


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

IA68 C1 F1 M2(1) + FILLET BASE REGIONS (REF 1308)

SYMBOL C MACH 1.991 X/L 1.000 BETA .210

APPROXIMATE VALUES

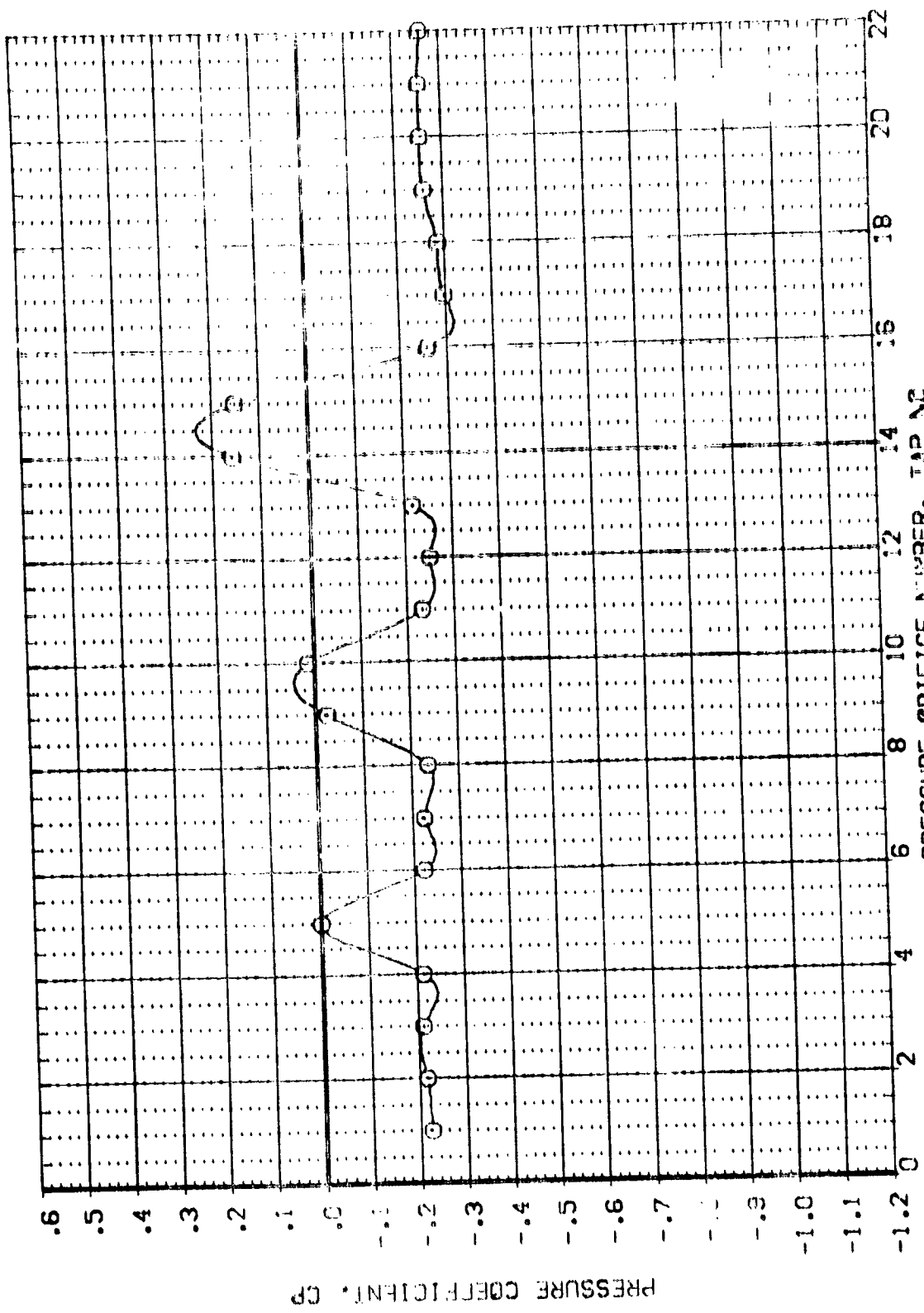


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET



IA68 C1 F1 M2(1) + FILLET BASE REGIONS (REF 5088)

SYMBOL: O

MACH .896 X/L 1.000 BETA 1.860

GEOMETRIC VALUES  
L/D 1.00

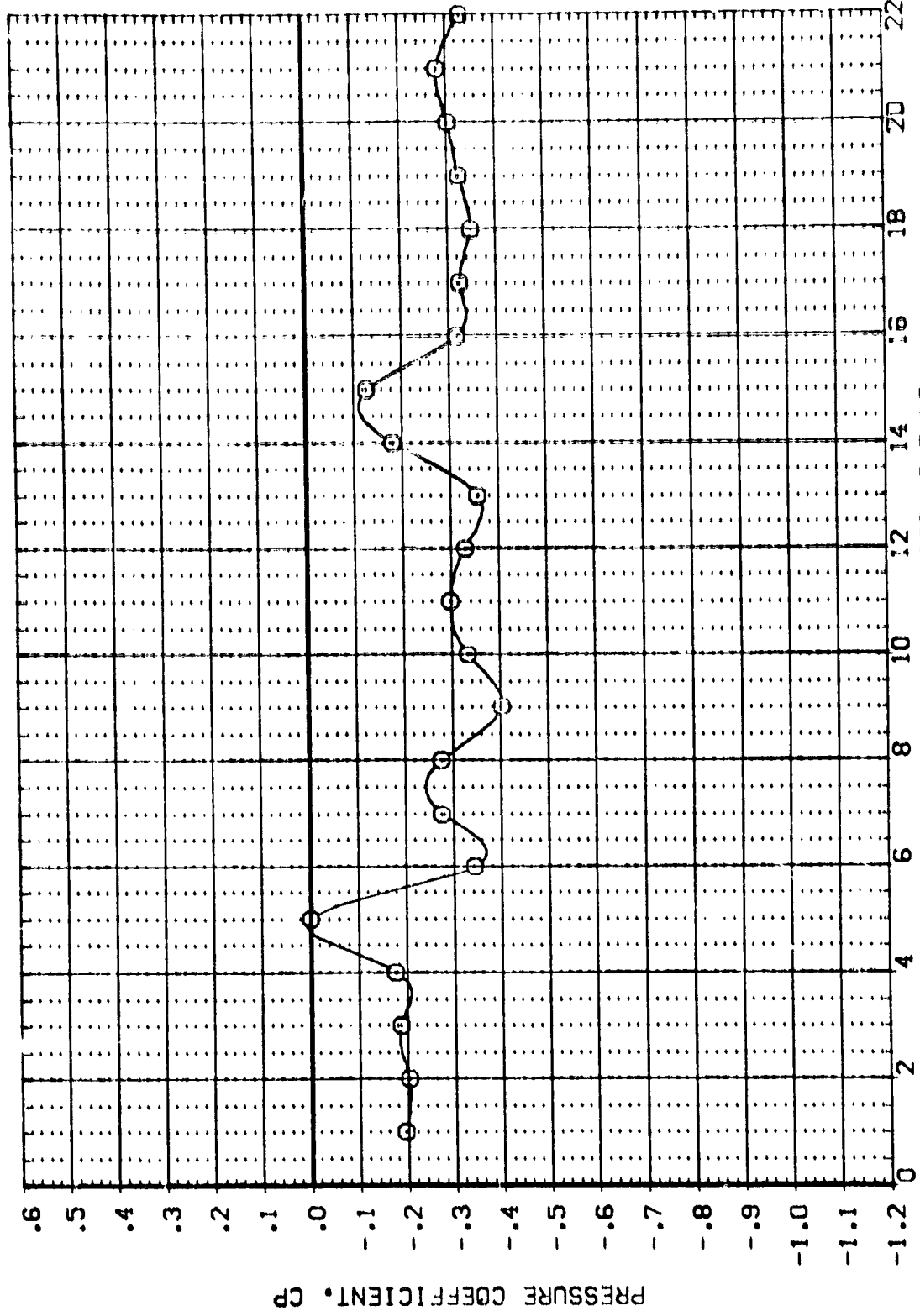


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

1A68 C: F1 M2(:) + FILLET BASE REGIONS (RF4308)

SYMBOL MACH X/L BETA  
 ○ 1.210 1.000 2.130  
 □ 1.991

PARAMETRIC VALUES  
 ALPHA .000

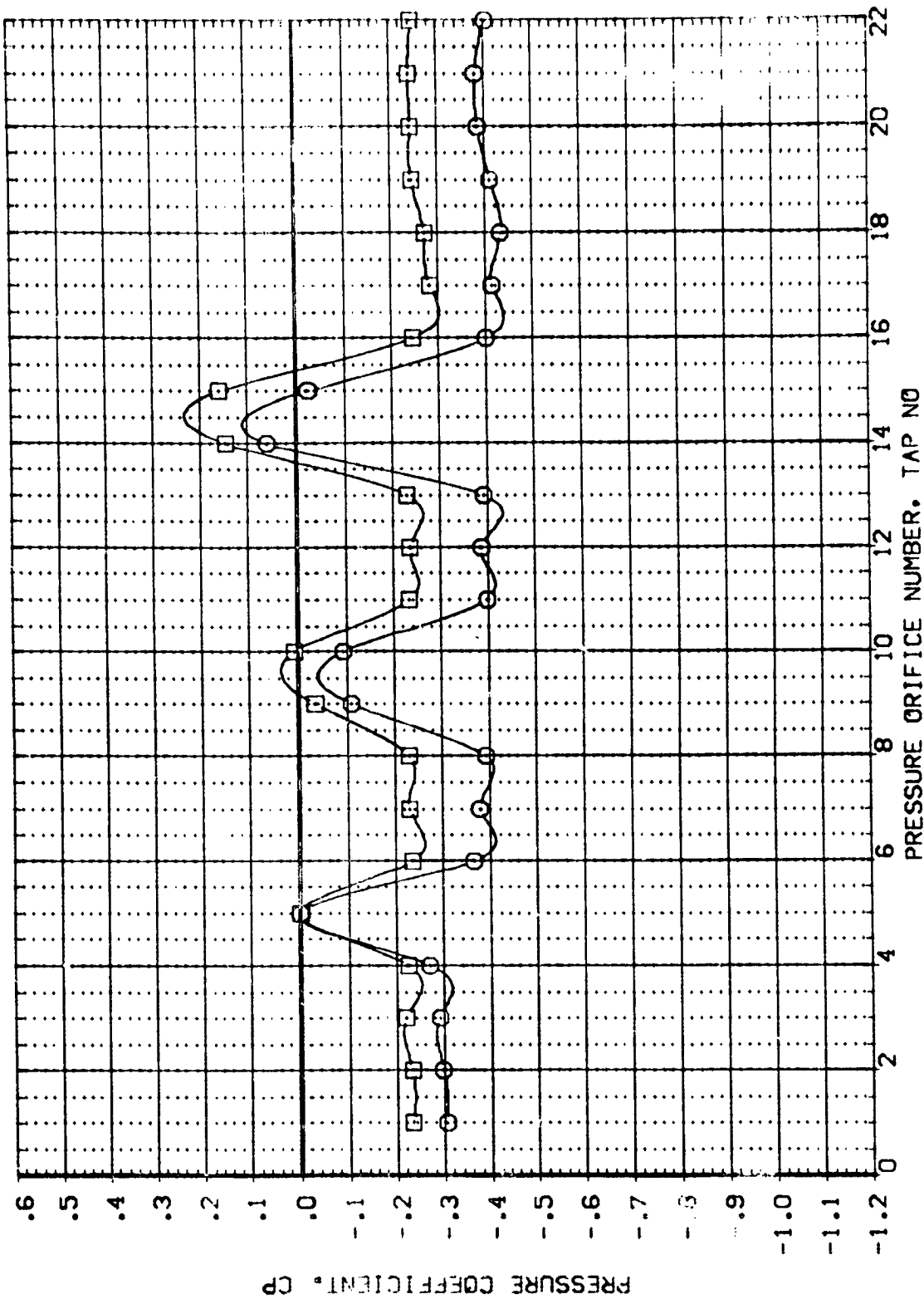


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET



IA68 C1 F1 M2(1) + FILLET BASE REGIONS (RF43C8)

SYMBOL MACH X/L BETA  
 O .896 1.000 3.810

ALPHA

PARAMETRIC VALUES  
 .000

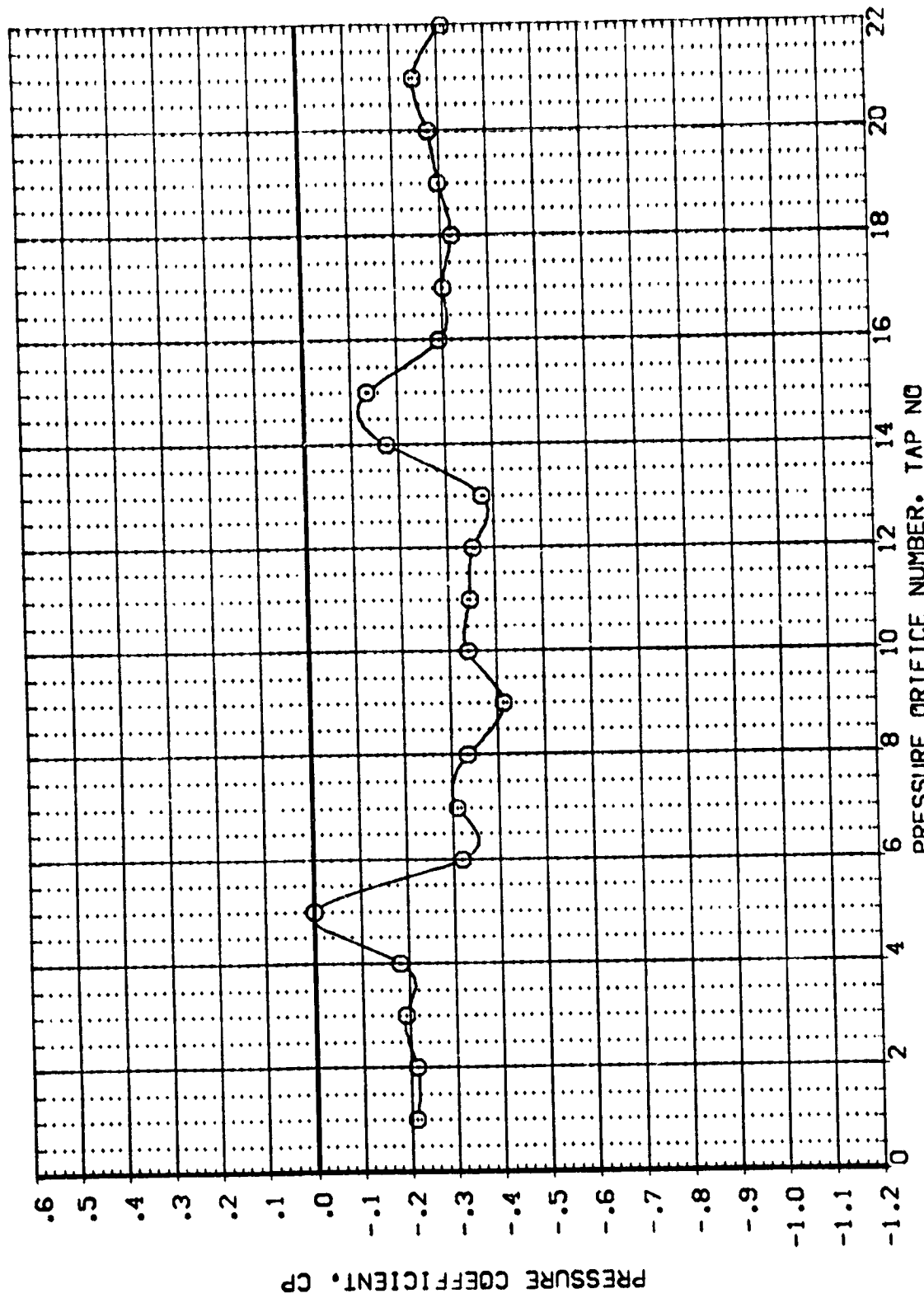


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

IA68 C1 F: M2(1) + FILLET BASE REGIONS (REF:308)

PARAMETRIC VALUES  
ALPHA .000

SYMBOL MACH X/L BETA  
O 1.210 1.000 4.070  
□ 1.991

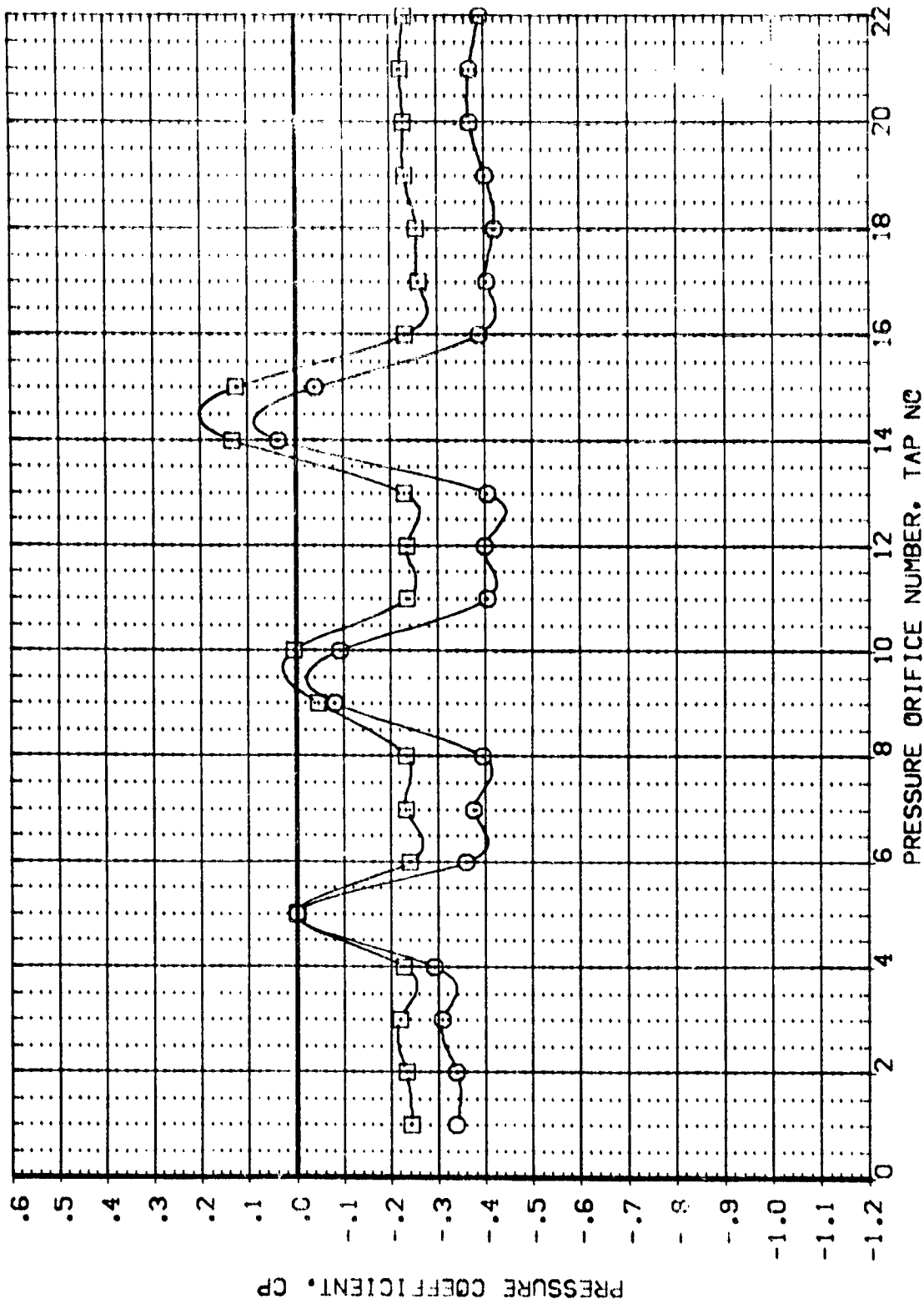


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET





JA68 C: F1 M3C1D M4C1D BASE REGIONS (RF48C9)  
 MACH X/L ALPHA  
 .896 1.000 -3.900  
 1.209  
 1.503

PARAMETRIC VALUES  
 BETA .300

SYMBOL  
 ◊  
 ○  
 □

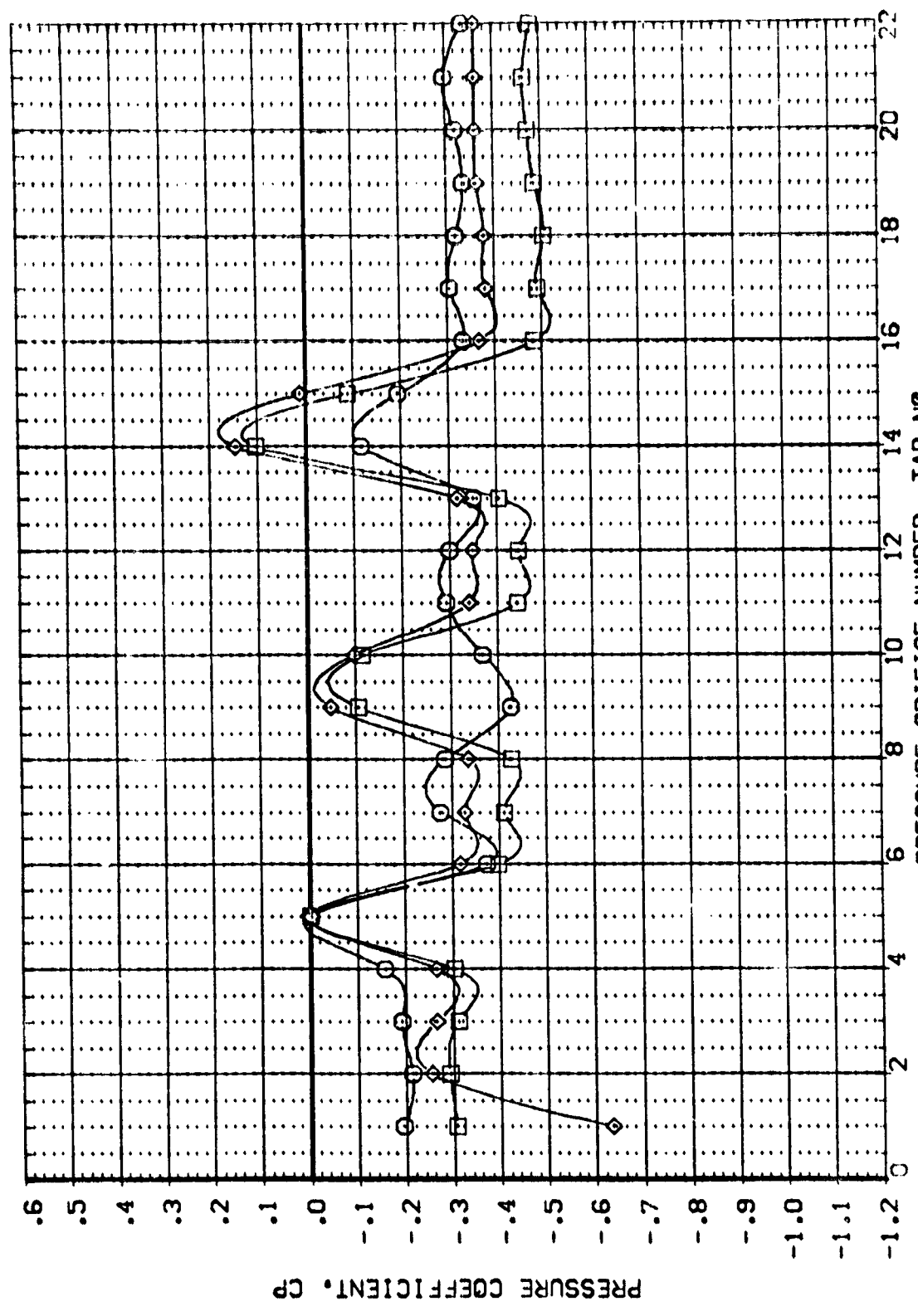


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT

IA68 C: F1 M3(1) M4(1)

BASE REGIONS

(RF4309)

PARAMETRIC VALUES  
BETA .000

ALPHA -1.940

X/L 1.000

MACH .896  
1.209  
1.503

SYMBOL  
○  
◇

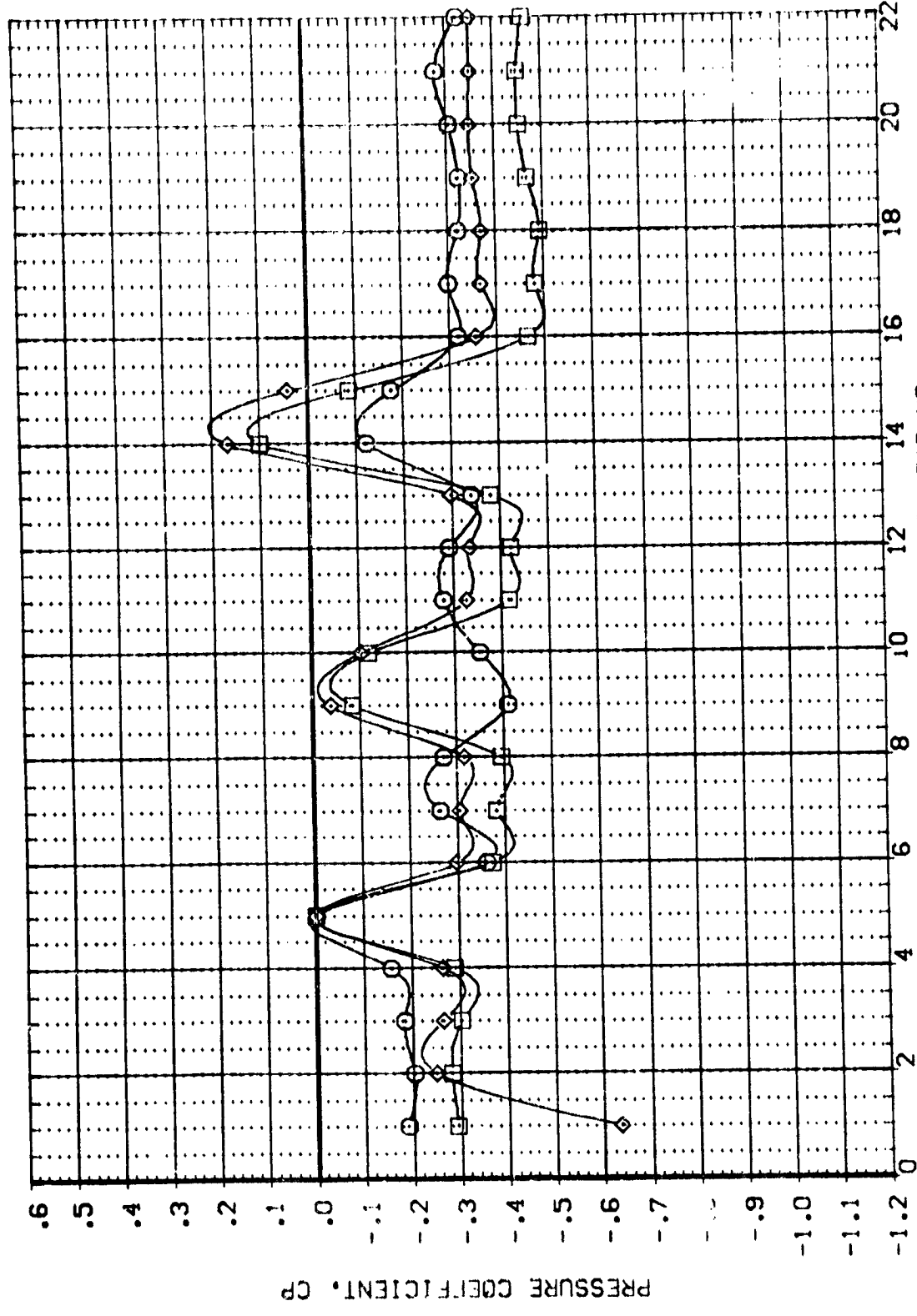


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT



:A68 C1 F1 M3(1) M4(1) BASE REGIONS (RF4B09)  
 PARAMETRIC VALUES  
 BETA .000

MACH X/L ALPHA  
 .896 1.000 .000  
 1.209  
 1.503

SYMBOL MACH X/L ALPHA  
 ○ .896 1.000 .000  
 □ 1.209  
 ◇ 1.503

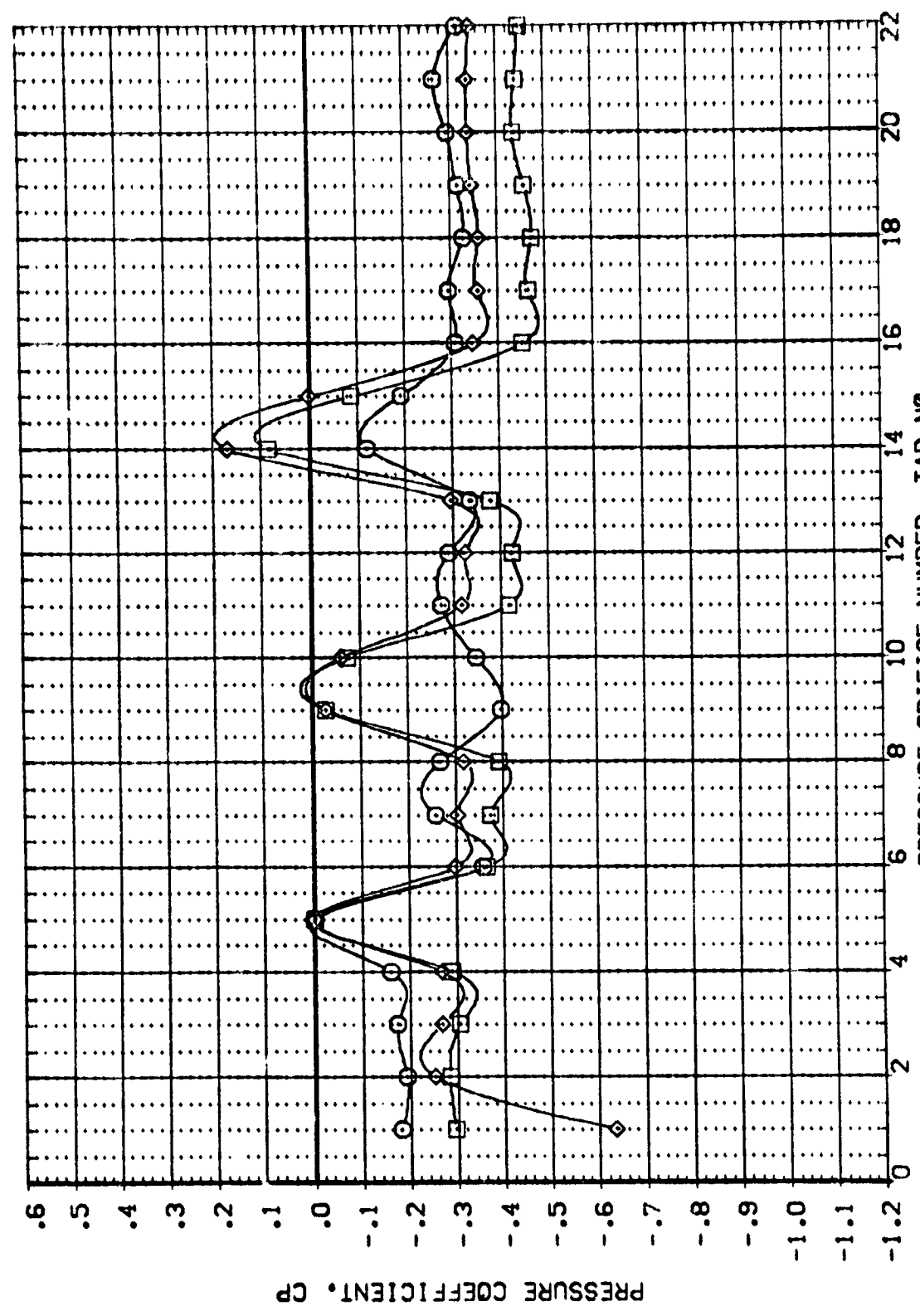


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT

IA68 C1 F1 M3(1) M4(1)

BASE REGIONS

(RF4309)

PARAMETRIC VALUES

BETA

.000

ALPHA

1.910

X/L

1.000

MACH

.896

1.209

SYMBOL

○

□

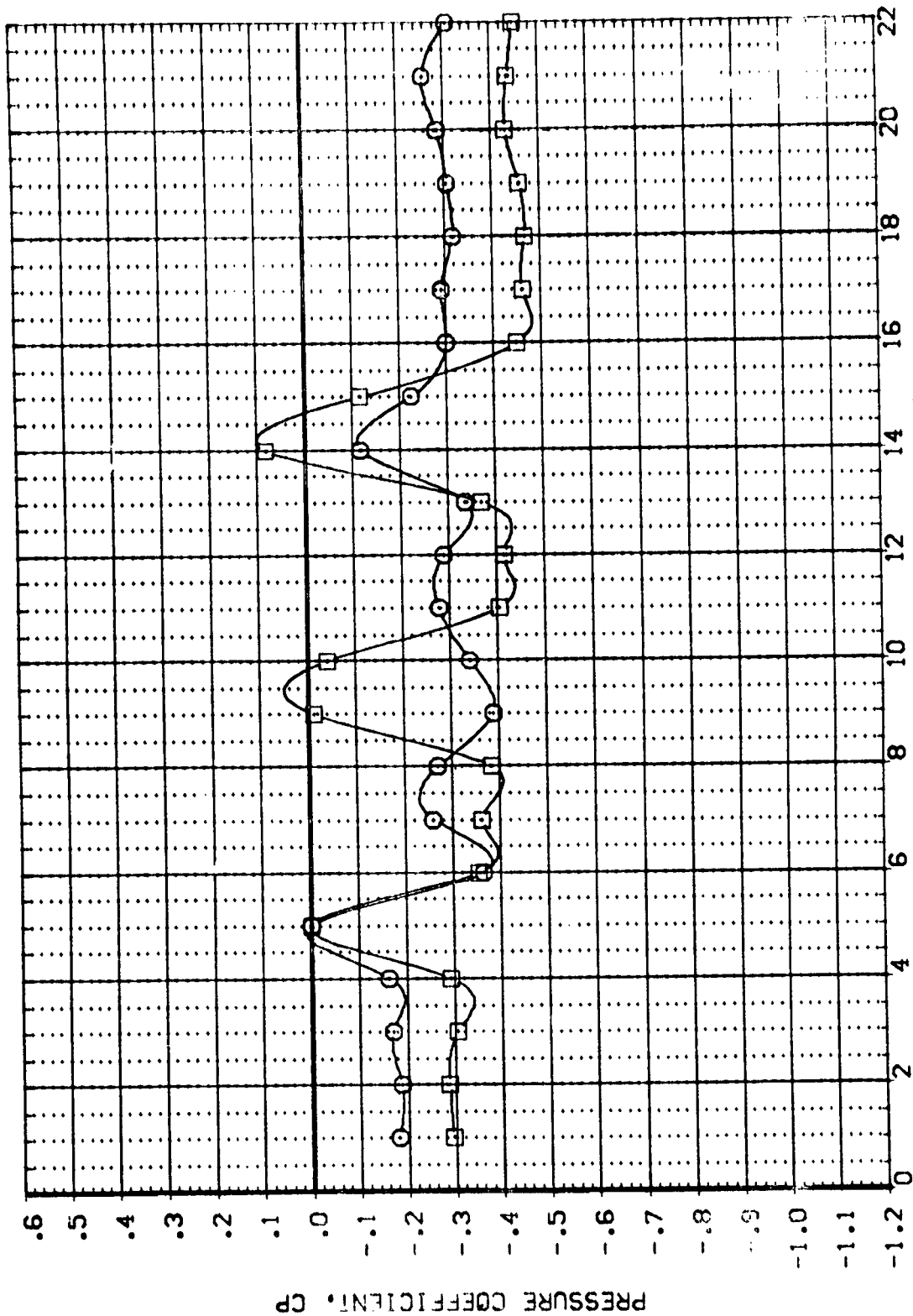


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT



1A68 C1 F1 M3(1) M4(1)

BASE REGIONS

(RF4309)

SYMBOL MACH X/L ALPHA  
O 1.503 1.000 2.120

PARAMETRIC VALUES  
BETA .000

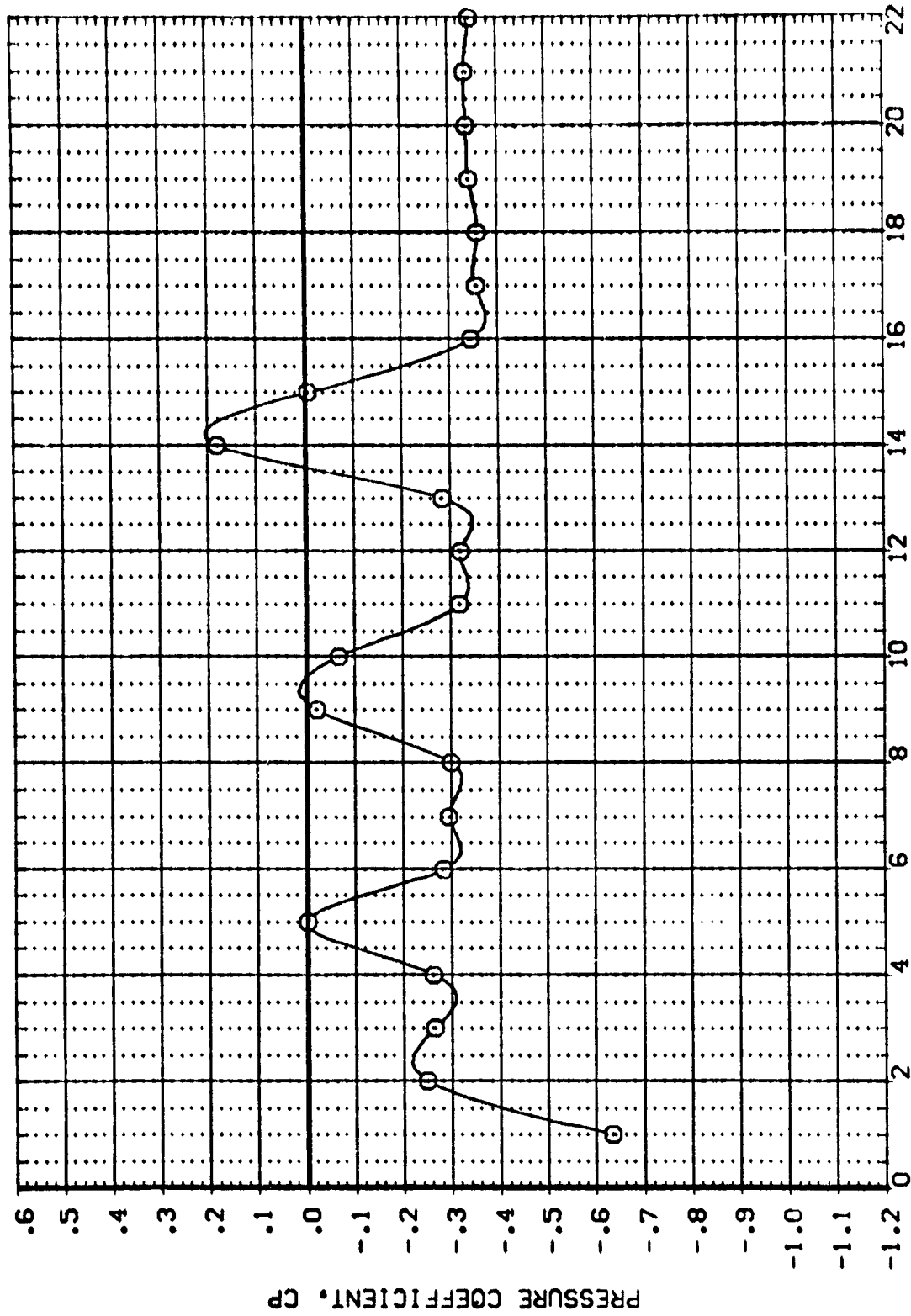


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT

[RF4309]

BASE REGIONS

TA68 C1 F1 M3(1) M4(1)

PARAMETRIC VALUES  
BETA .000

MACH X/L ALPHA  
.896 1.000 3.840  
1.209  
1.503

SYMBOL:  
○ □ ◇

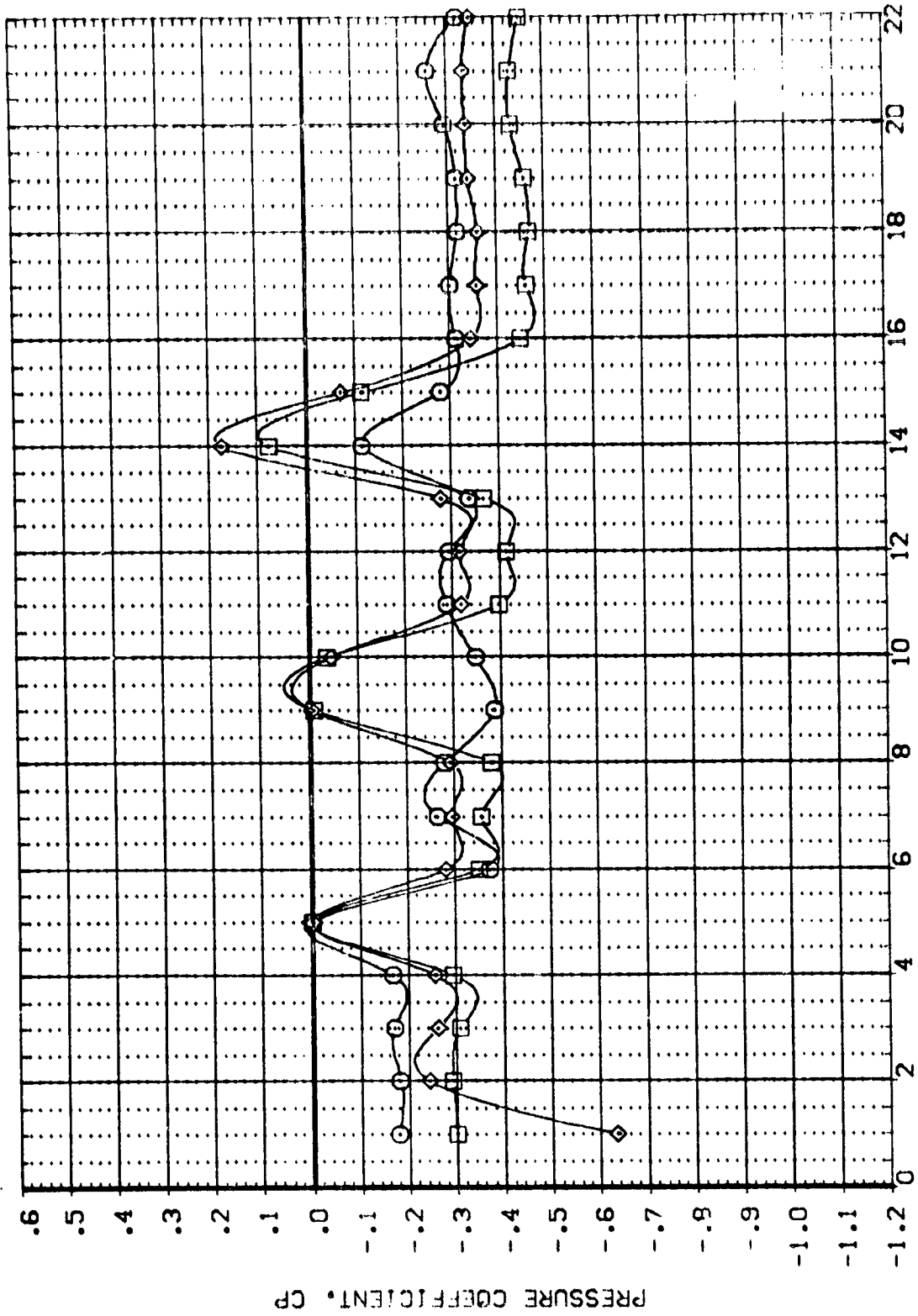


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRU



IA68 C1 F1 M3(1) M4(1) BASE REGIONS (RF4810)

MACH .897 X/L 1.000 BETA -3.920

SYMBOL  $\square$   $\circ$  ALPHA .000

PARAMETRIC VALUES

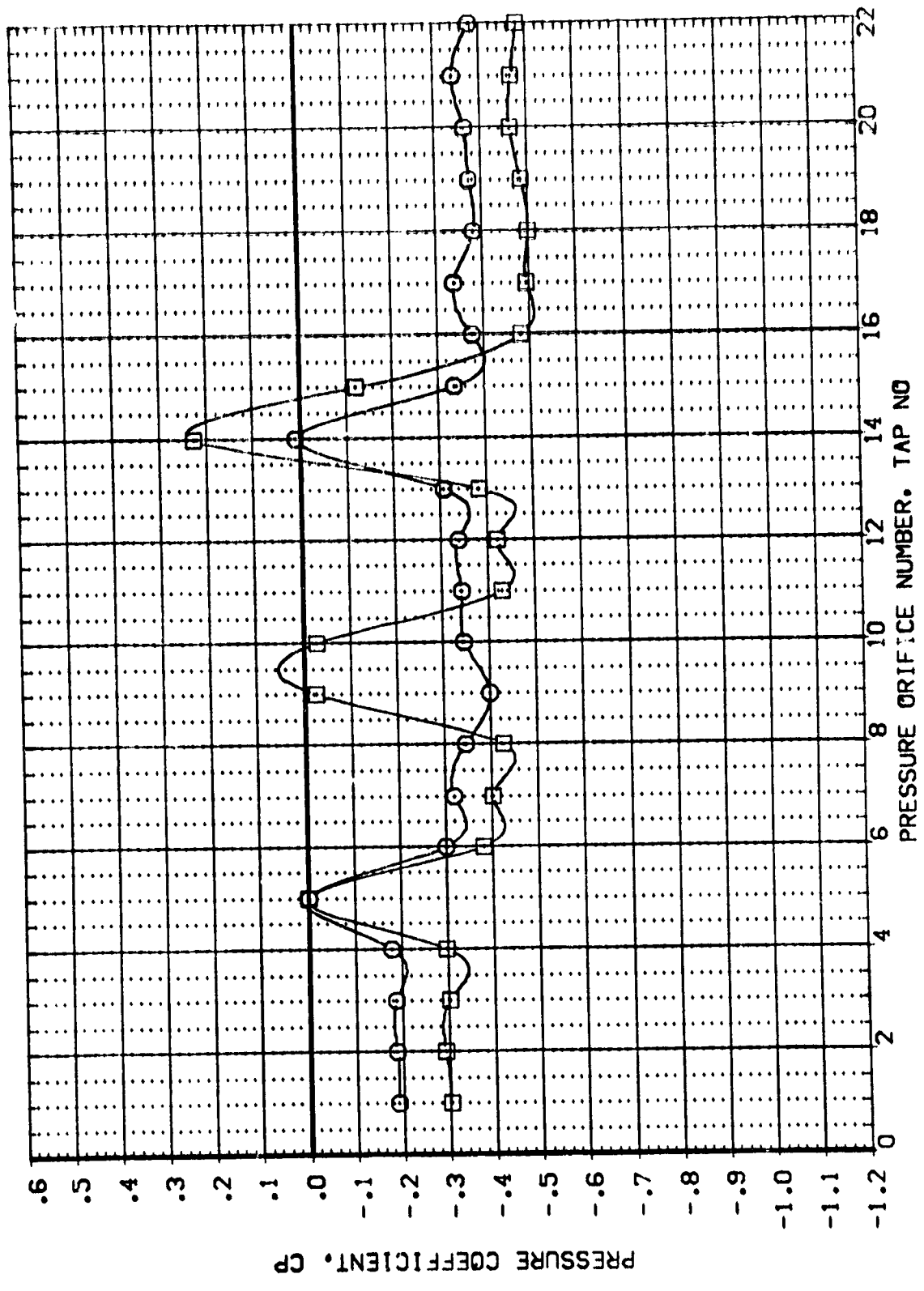


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT

BASE REGIONS (RF4310)

IA68 C: F1 M3(1) M4(1)

PARAMETRIC VALUES  
ALPHA .000

SYMBOL MACH X/L BETA  
○ .897 1.000 -1.970  
□ 1.210

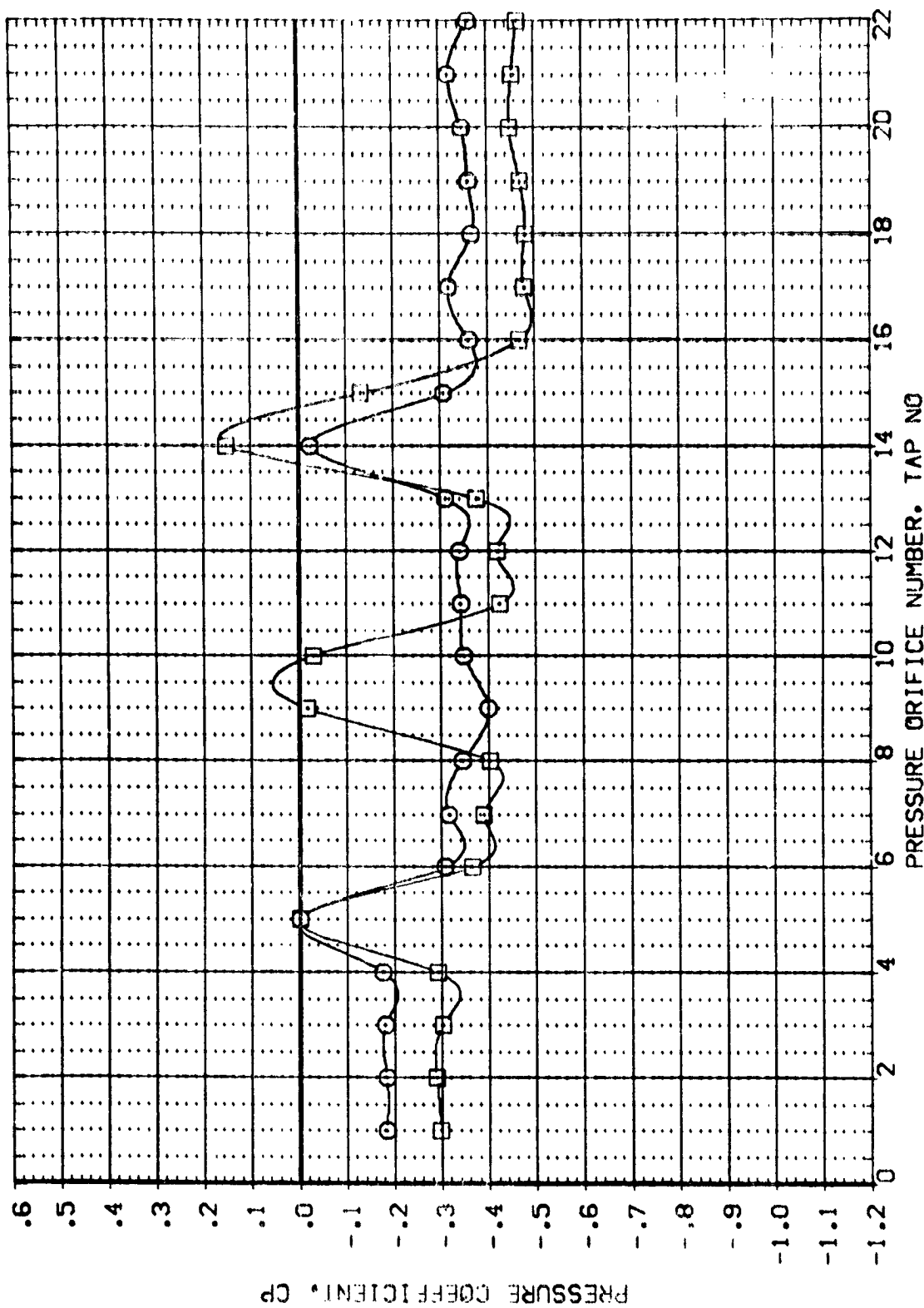


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT





IA68 C1 F1 M3(1) M4(1) BASE REGIONS (RF4810)

PARAMETRIC VALUES  
ALPHA .000

BETA -.050

X/L 1.000

MACH .857  
1.210

SYMBOL  
□  
○

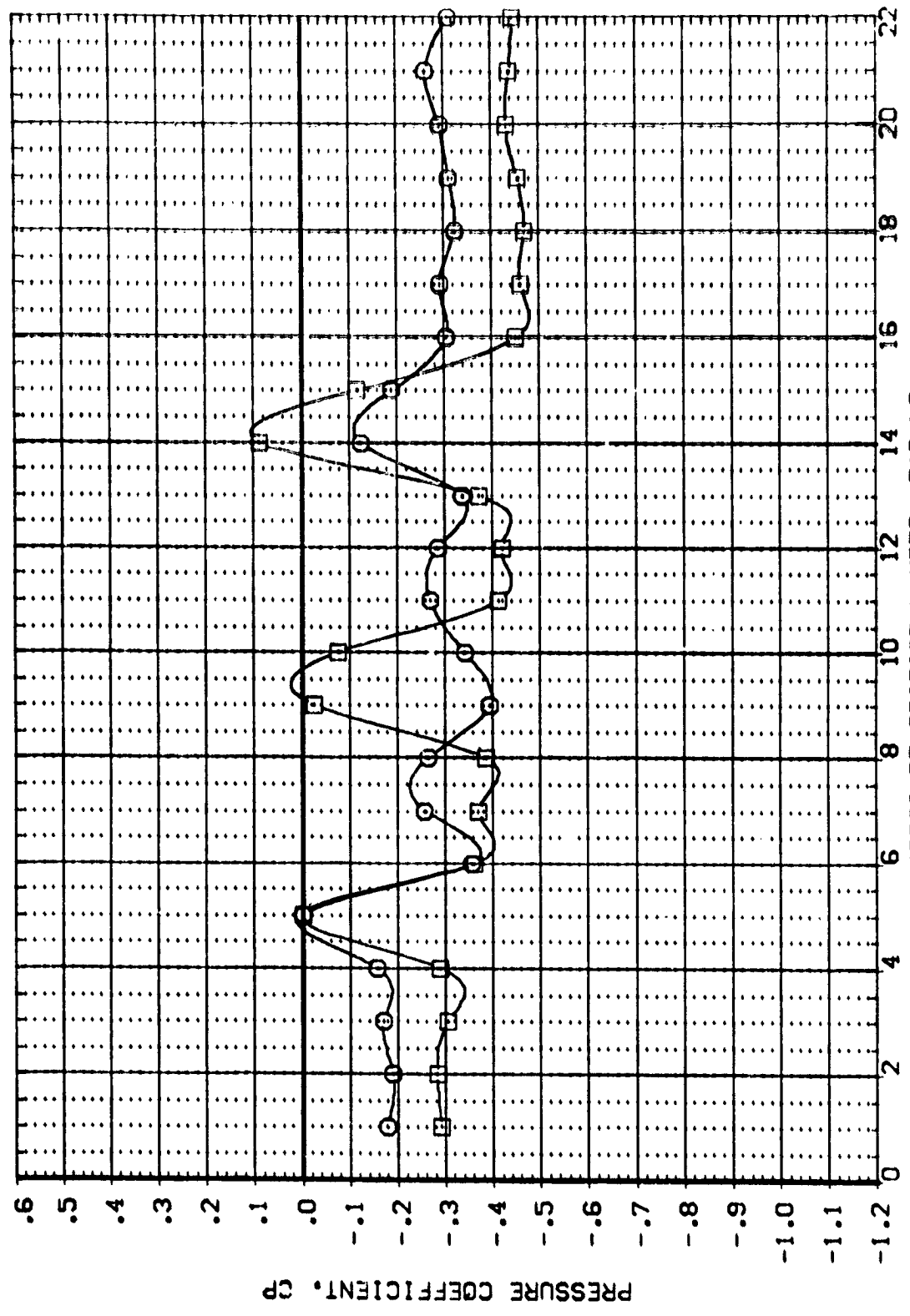


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT



CASE: M3(1) M4(1) BASE REGIONS (REF: 10)  
 MACH 1.210 X/L 1.000 BETA 1.620  
 SYMBOL: ○ DISTURBANCE VALUES  
 ALPH 0.000

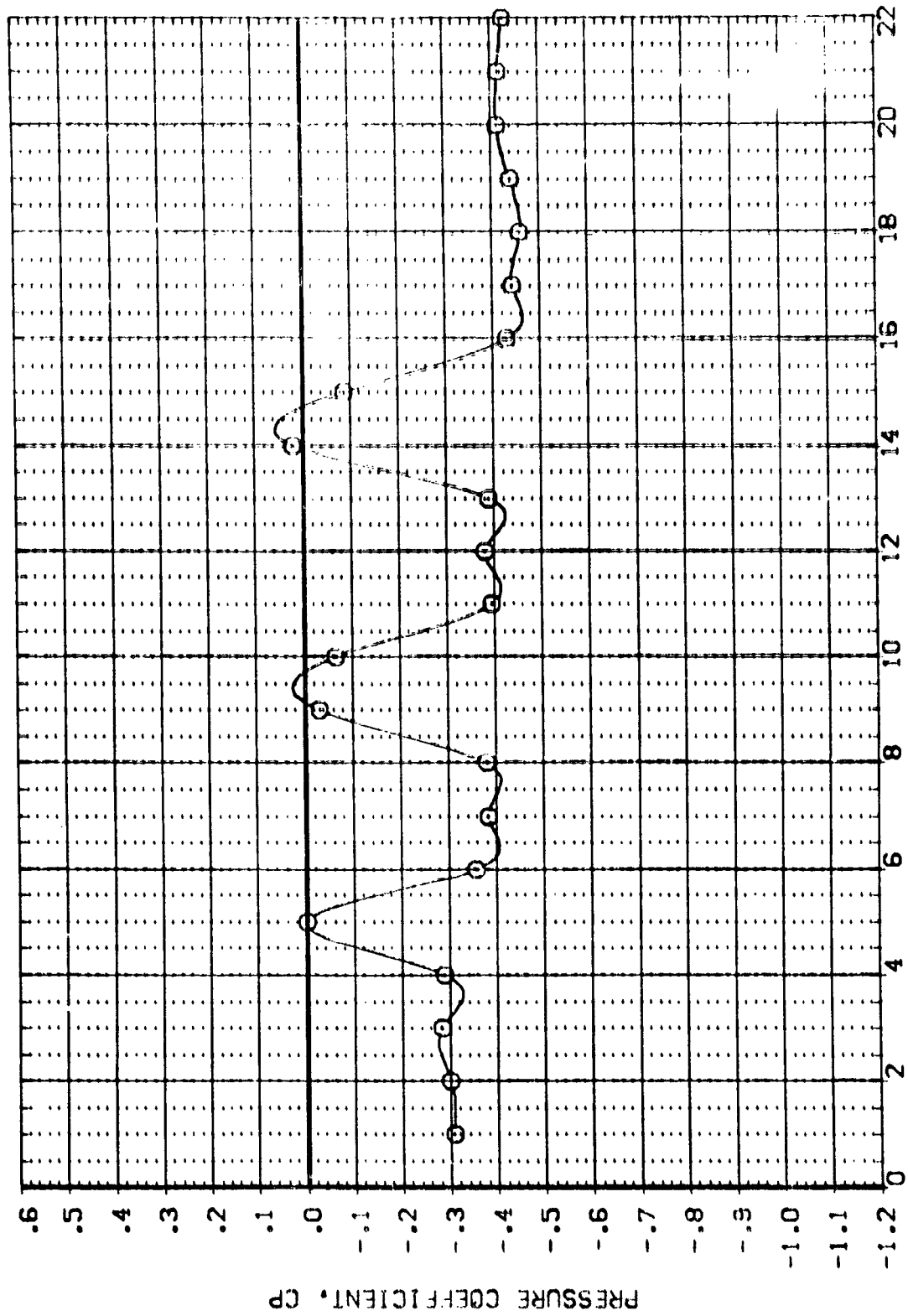


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT



1A68 C1 F1 M3(1) M4(1) BASE REGIONS (P=13:00)  
 SYMBOL MACH X/L BETA  
 O .697 1.000 1.630  
 PARAMETRIC VALUES  
 \*LPM\* .000

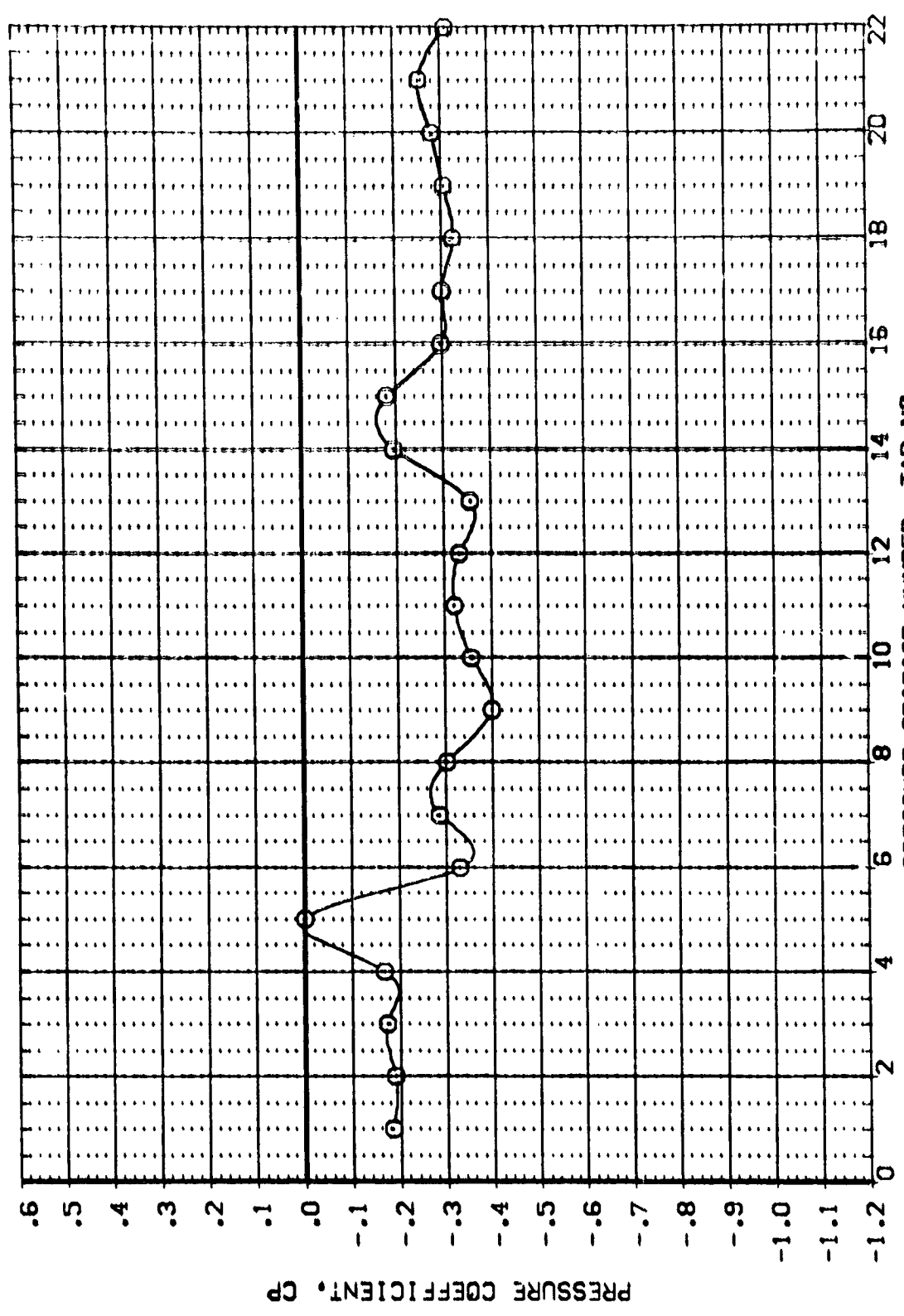


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT



1A68 C1 F1 M3(1) M4(1) BASE REGIONS (REF 4B:0)

PARAMETRIC VALUES  
ALPHA .000

SYMBOL MACH X/L BETA  
O .897 1.000 3.840  
□ 1.210

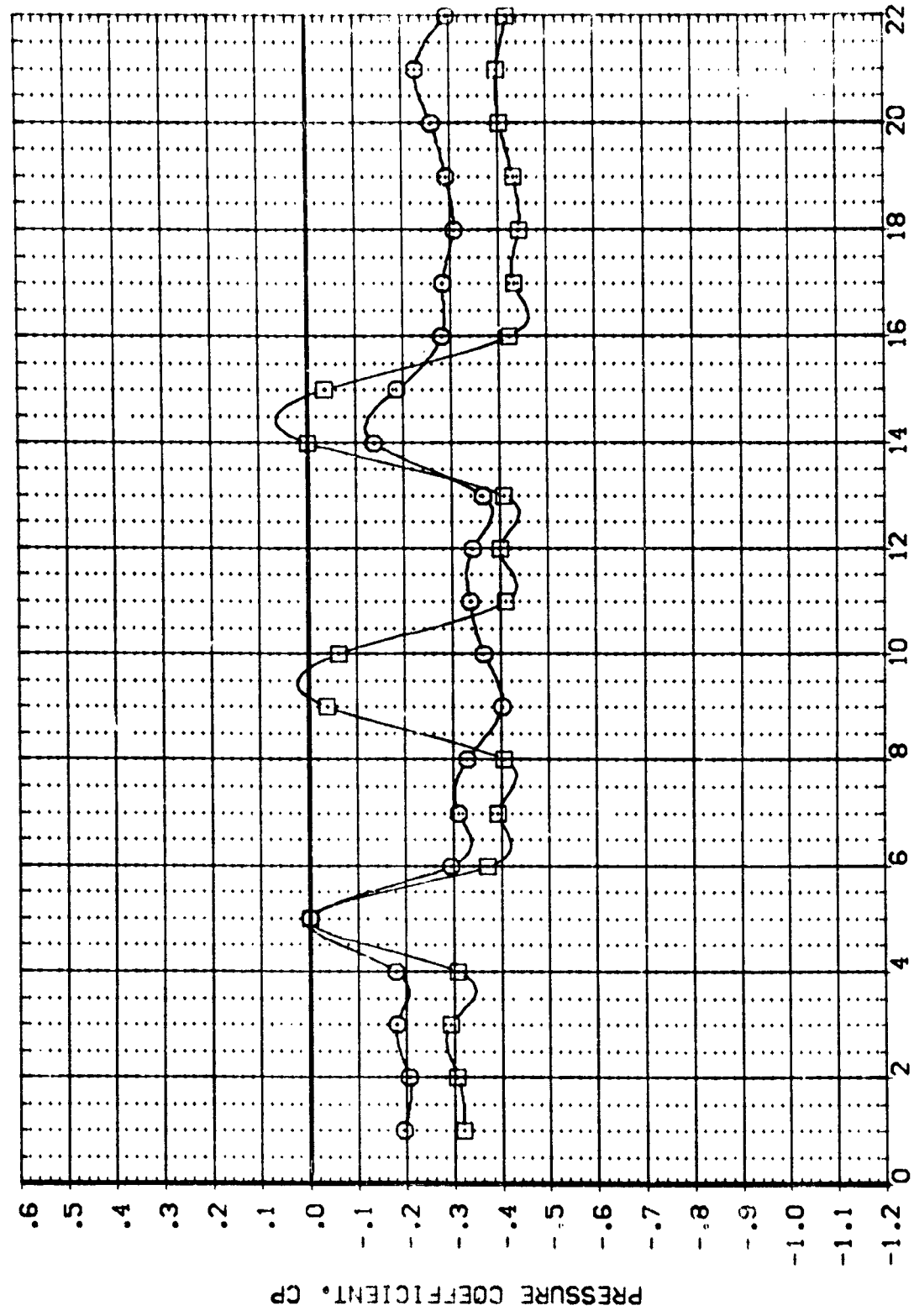


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT  
PRESSURE ORIFICE NUMBER, TAP NO



DATA SET SYMBOL    CONFIGURATION DESCRIPTION

[RF4U06]    [A68    C1 F1 M2(1)]

[RF4U12]    [A68    C1 F1 M2(1)]

[RF4L06]    [A68    C1 F1 M2(1)]

[RF4L12]    [A68    C1 F1 M2(1)]

UPPER WING SURFACE

UPPER WING SURFACE

LOWER WING SURFACE

LOWER WING SURFACE

BETA

.000

.000

.000

.000

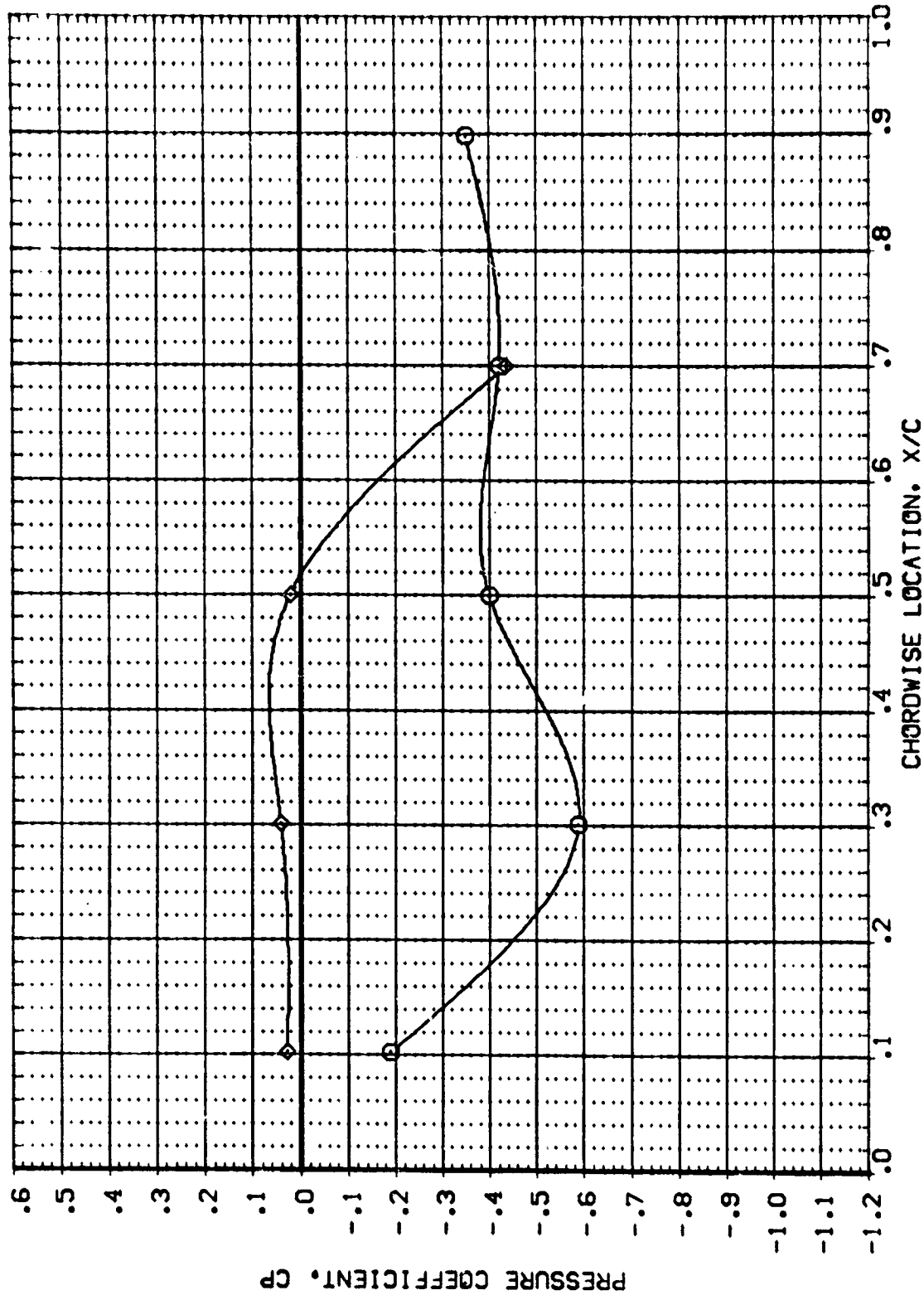


FIG 17 REPEATABILITY - WING CHORDWISE PRESSURE COEFFICIENT

MACH = .896    ALPHA = .000    ZY/B = .500

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RF 4L05)	Q	A88	C	F1	M2(1)
(RF 4L12)	Q	A88	C	F1	M2(1)
(RF 4L06)	X	A88	C	F1	M2(1)
(RF 4L12)	X	A88	C	F1	M2(1)

BETA

UPPER WING SURFACE	.000
UPPER WING SURFACE	.000
LOWER WING SURFACE	.000
LOWER WING SURFACE	.000

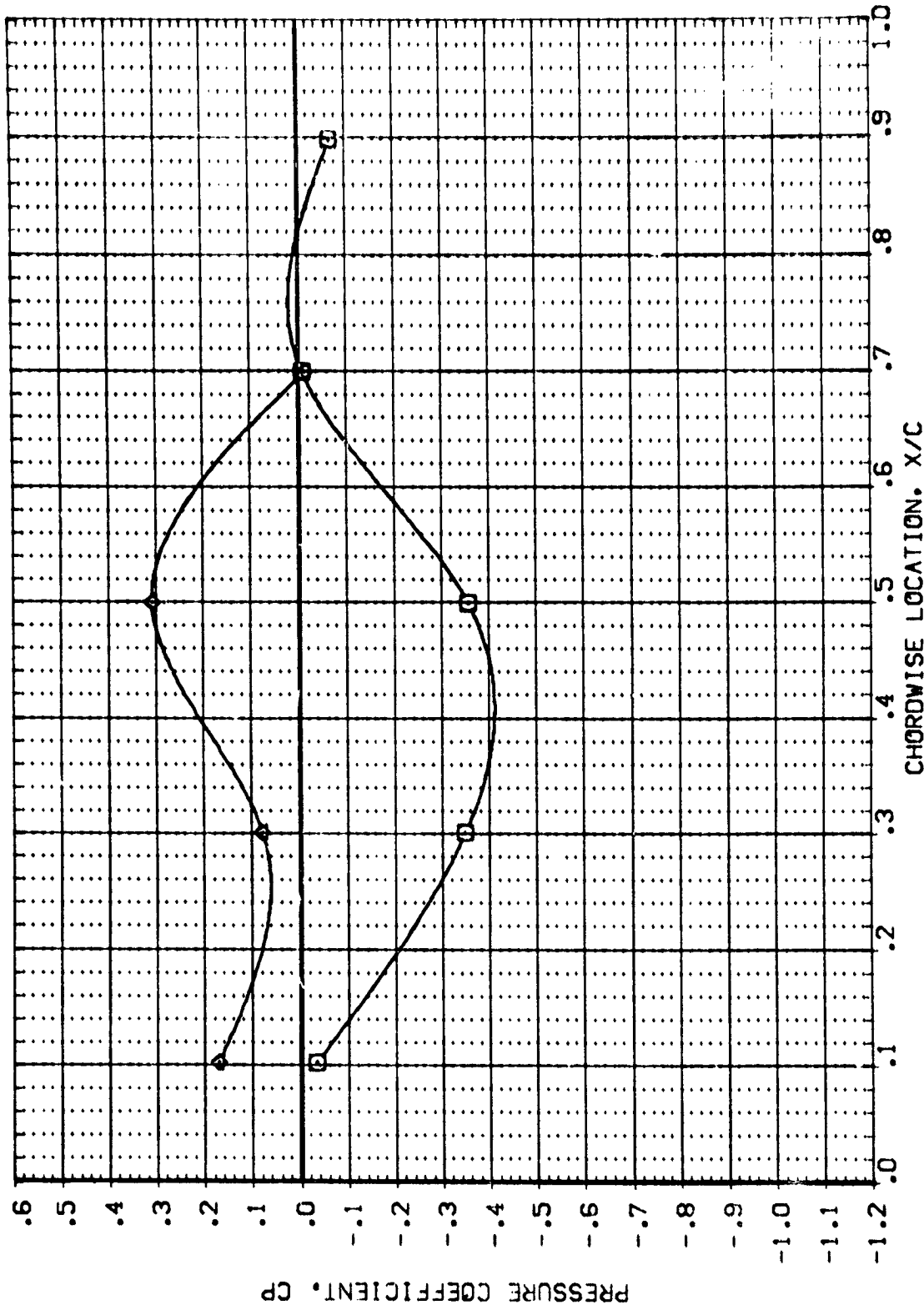


FIG 17 REPEATABILITY - WING CHORDWISE PRESSURE COEFFICIENT

MACH = 1.223 ALPHA = .000 2Y/B = .500



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 [R4L06]    [A68]    [C]    [F]    [M2(1)]    □  
 [R4L12]    [A68]    [C]    [F]    [M2(1)]    ⋈  
 [R4L06]    [A68]    [C]    [F]    [M2(1)]  
 [R4L12]    [A68]    [C]    [F]    [M2(1)]

BETA  
 UPPER WING SURFACE    .000  
 UPPER WING SURFACE    .000  
 LOWER WING SURFACE    .000  
 LOWER WING SURFACE    .000

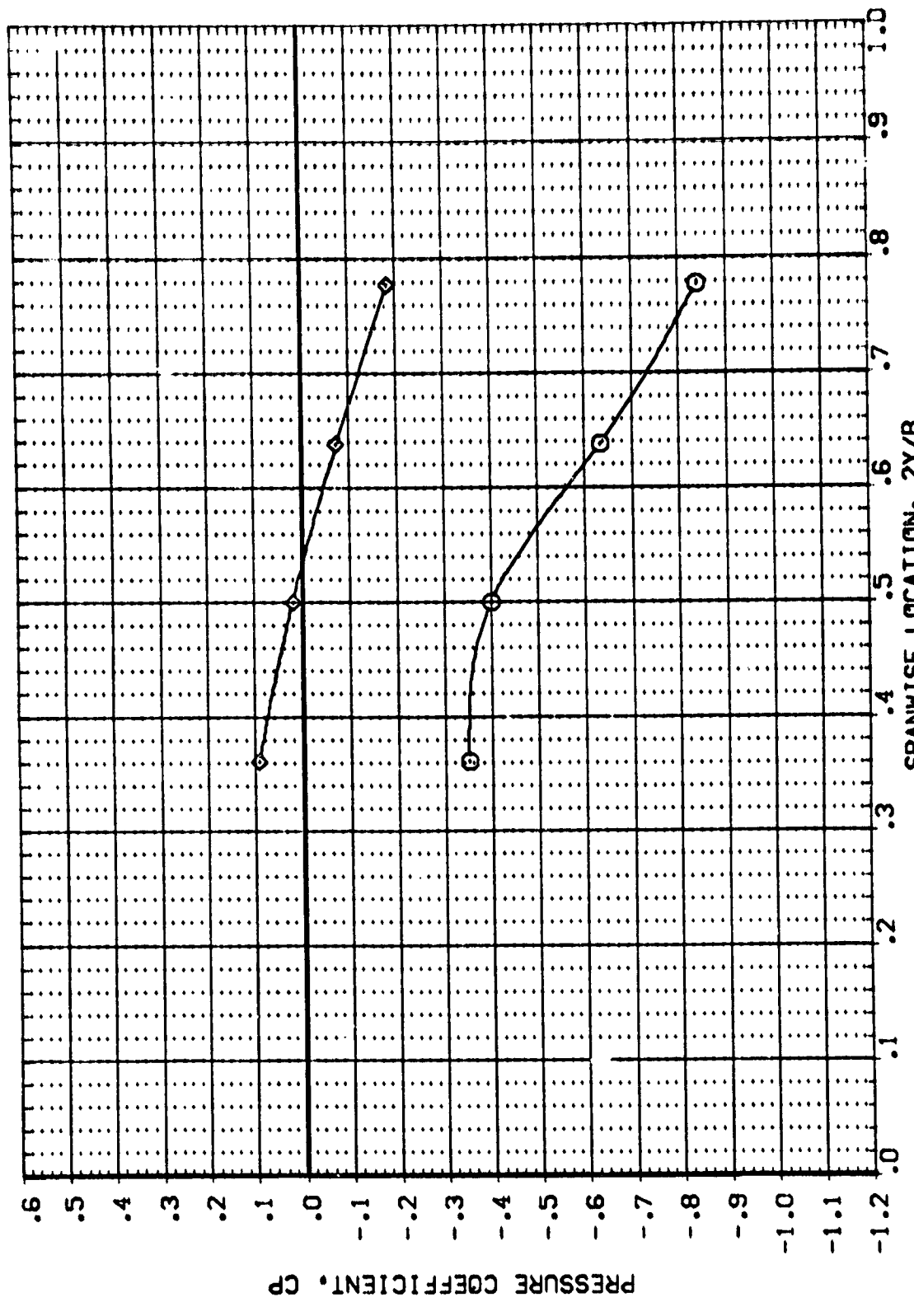


FIG 18 REPEATABILITY - WING SPANWISE PRESSURE COEFFICIENT

MACH = .896    ALPHA = .000    X/C = .500



DATA SET SYMBOL    CONFIGURATION DESCRIPTION

[R4.05]    [A68    C1 F1 M2(1)]

[R4.12]    [A68    C1 F1 M2(1)]

[R4.05]    [A68    C1 F1 M2(1)]

[R4.12]    [A68    C1 F1 M2(1)]

BETA

UPPER WING SURFACE    .000

UPPER WING SURFACE    .000

LOWER WING SURFACE    .000

LOWER WING SURFACE    .000

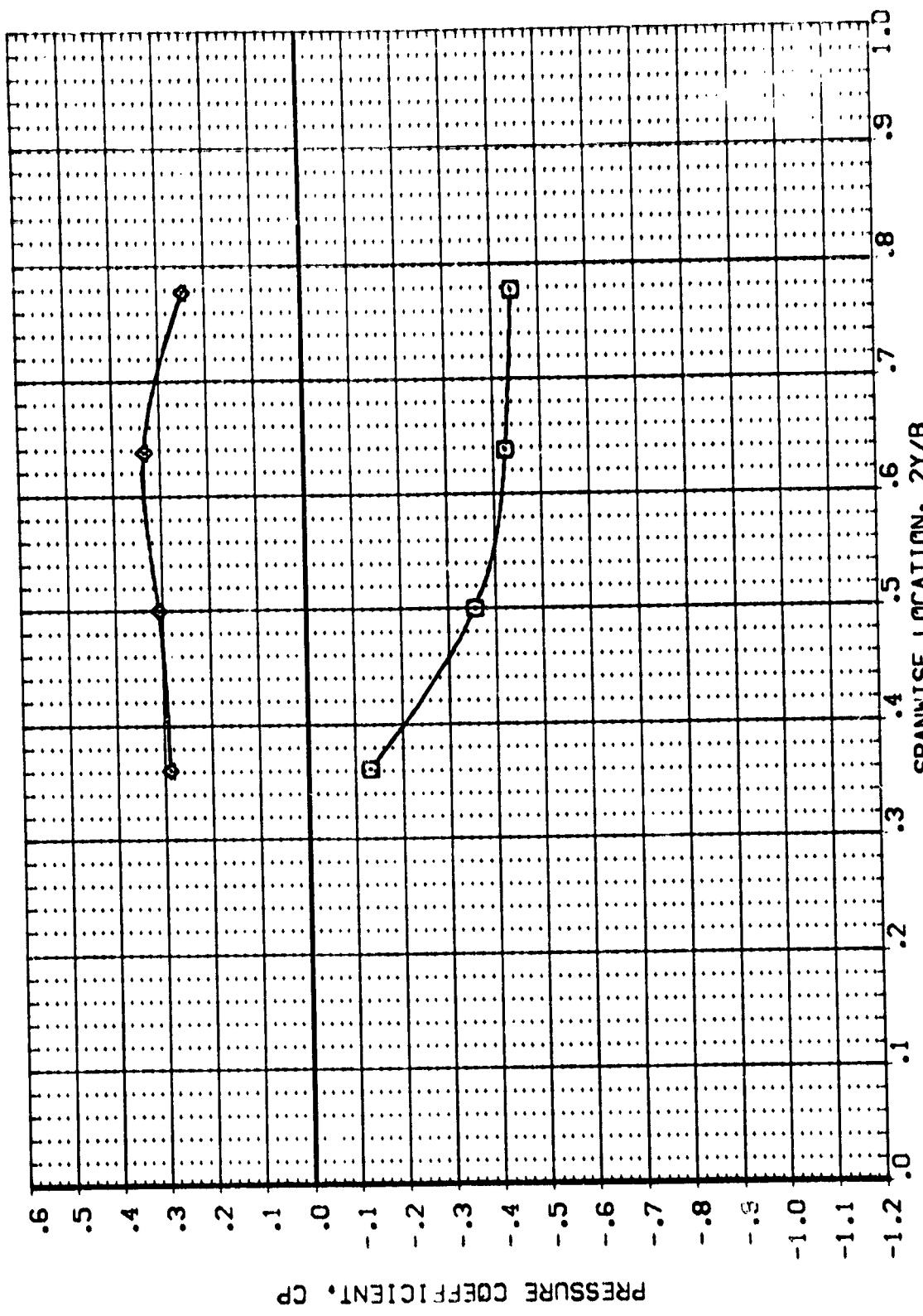


FIG 18 REPEATABILITY - WING SPANWISE PRESSURE COEFFICIENT

MACH = .223    ALPHA = .000    X/C = .500





DATA SET SYMBOL: Q  
 (RF4B05) (A68 C1 F1 M2(1))  
 (RF4B12) (A68 C1 F1 M2(1))

BASE REGIONS  
 BASE REGIONS

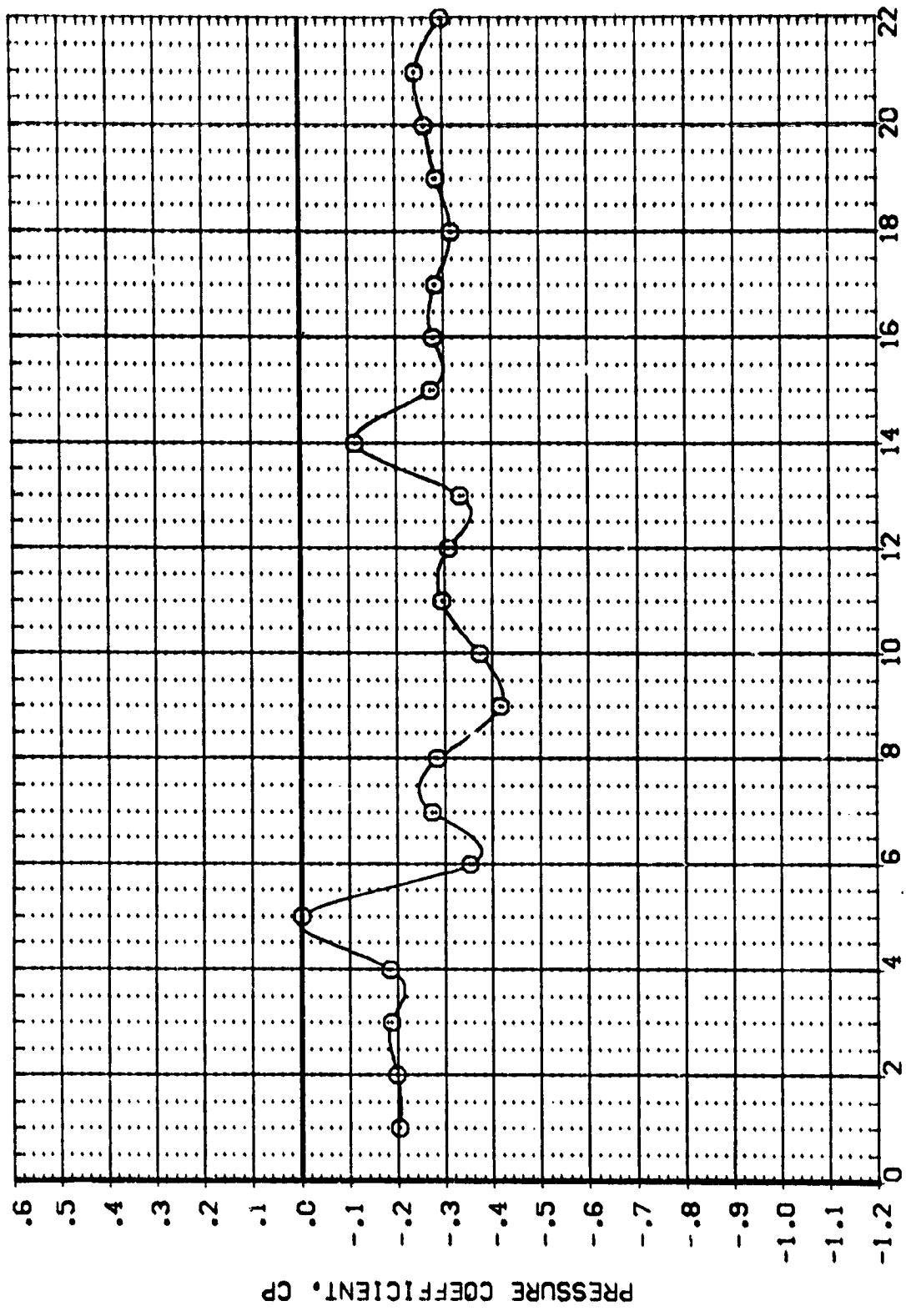


FIG 19 REPEATABILITY - BASE PRESSURES

MACH = .896 ALPHA = .000 X/L = 1.000

DATA SET SYMBOL: [A68] CONFIGURATION DESCRIPTION: [A68] C1: F1 M2(1) BASE REGIONS  
 [RF 4B:2] [A68] C1: F1 M2(1) BASE REGIONS

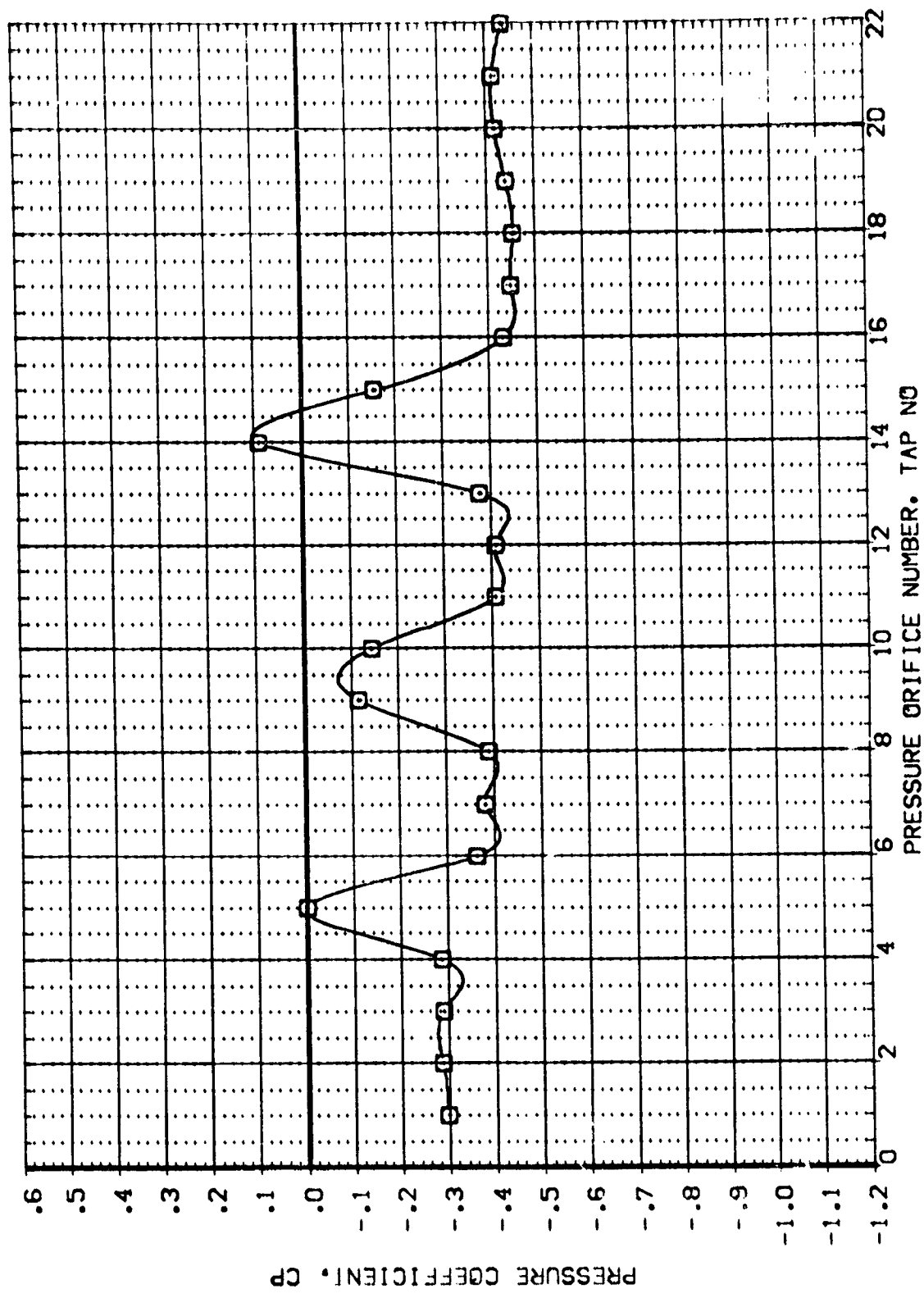


FIG 19 REPEATABILITY - BASE PRESSURES

MACH = 1.223 ALPHA = .000 X/L = 1.000



APPENDIX A  
TABULATED SOURCE DATA - FORCE

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

FRAGMENTIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040  
 BETA = .000  
 RUN NO. 1/ 0 RVL = 6.40 GRADIENT INTERVAL = -5.00/ 5.00  

MACH	ALPHA	CABO	CABT	CABS
.863	.000	.02790	.05710	.02340
GRADIENT	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

DATE 01 OCT 74

(RFA002) ( 07 MAR 74 )

1A68 C1 F1

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0000

BETA = .000

RUN NO. 6/ 0 RVL = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	CABT	CABS
.896	-4.000	.03100	.06250	.02500
.896	-2.000	.02940	.05940	.02470
.896	-.090	.02900	.05780	.02350
.896	1.800	.02840	.05700	.02290
.896	3.670	.02830	.05690	.02370
	GRADIENT	-.00034	-.00071	-.00023

RUN NO. 7/ 0 RVL = 7.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	CABT	CABS
1.211	-3.910	.04470	.06510	.03060
1.211	-1.830	.04270	.06350	.03220
1.211	.150	.04220	.06060	.03130
1.211	2.120	.04260	.04840	.02990
1.211	4.030	.04290	.04800	.03030
	GRADIENT	-.00019	-.00097	-.00045

RUN NO. 30/ 0 RVL = 9.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	CABT	CABS
1.503	-3.890	.03980	.04240	.02690
1.503	-1.690	.03960	.03990	.02690
1.503	.120	.04020	.03710	.02660
1.503	2.010	.04050	.03570	.02660
1.503	3.950	.04060	.03560	.02670
	GRADIENT	.00033	-.00090	-.00004

RUN NO. 35/ 0 RVL = 10.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	CABT	CABS
1.991	-3.770	.02890	.02920	.01880
1.991	-1.960	.02860	.02670	.01980
1.991	.020	.03160	.02210	.02030
1.991	2.050	.03370	.02090	.02000
1.991	4.050	.03380	.02060	.01960
	GRADIENT	.00071	-.00117	-.00009



(RF-4203) ( 07 MAY 74 )

1A68 C1 F1

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XREF = .0000  
 LREF = 1328.3000 IN. YREF = .0000  
 BREF = 1328.3000 IN. ZREF = .0000  
 SCALE = .0040

ALPHA = .000

RUN NO. 9/ 0 RVL = 6.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CABC	CABT	CAES
.899	-3.750	.03270	.06250	.02720
.899	-1.860	.03030	.05960	.02570
.899	.050	.02880	.05710	.02310
.899	1.970	.02820	.06150	.02170
.899	3.970	.03250	.06570	.02130
	GRADIENT	-.00007	.00044	-.00082

RUN NO. 8/ 0 RVL = 7.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CABC	CABT	CAES
1.211	-3.850	.04450	.05180	.03380
1.211	-1.900	.04270	.04990	.03230
1.211	.000	.04210	.05100	.03110
1.211	1.900	.04300	.05070	.02940
1.211	3.920	.04590	.05190	.02870
	GRADIENT	.00016	.00005	-.00068

RUN NO. 29/ 0 RVL = 9.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CABC	CABT	CAES
1.503	-3.910	.03620	.03320	.02800
1.503	-1.990	.03770	.03390	.02740
1.503	-.070	.03890	.03580	.02600
1.503	1.910	.03890	.03730	.02520
1.503	3.980	.04090	.03720	.02400
	GRADIENT	.00033	.00068	-.00062

RUN NO. 36/ 0 RVL = 13.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CABC	CABT	CAES
1.991	-3.830	.03300	.02350	.02130
1.991	-1.900	.03170	.02310	.02090
1.991	.050	.03190	.02250	.02030
1.991	2.020	.03400	.02280	.01990
1.991	3.890	.03380	.02410	.01810
	GRADIENT	.00020	.00015	-.00040

IA69 C1 F1 M1

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

BETA = .000

RUN NO. 13/ 0 RVL = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	CABT	CABS
.896	-3.870	.03170	.06560	.02420
.896	-2.000	.00000	.00000	.00000
.896	.000	.00000	.00000	.00000
.896	2.000	.00000	.00000	.00000
.896	304.000	.00000	.00000	.00000
GRADIENT	-.00478	-.01890	-.01365	

RUN NO. 12/ 0 RVL = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	CABT	CABS
1.211	-3.910	.04480	.05680	.03560
1.211	-1.930	.04350	.05470	.03410
1.211	.000	.04370	.05430	.03320
1.211	1.930	.04360	.05280	.03300
1.211	3.900	.04420	.05200	.03270
GRADIENT	-.00006	-.00060	-.00055	

RUN NO. 27/ 0 RVL = 9.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	CABT	CABS
1.503	-3.960	.04040	.04240	.02730
1.503	-1.870	.03960	.03970	.02640
1.503	.070	.03970	.03940	.02580
1.503	1.990	.03940	.03790	.02590
1.503	3.930	.03890	.03780	.02595
GRADIENT	-.00016	-.00056	-.00017	

RUN NO. 36/ 0 RVL = 13.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	CABT	CABS
1.991	-3.910	.03040	.02900	.02100
1.991	-2.000	.02820	.02640	.02080
1.991	-.020	.03490	.02430	.02090
1.991	1.910	.03490	.02350	.02145
1.991	3.850	.03460	.02330	.02110
GRADIENT	.00065	-.00074	-.00001	



TABLATED SOURCE DATA, R.I. TMT 281 - 1A69

(P-4726) ( 07 MAR 74 )

DATE 01 OCT 74

1A69 CI F1 M1

PARAMETRIC DATA

ALPHA = .00

REFERENCE DATA

SREF = 2690.0000 SQ-FT. XMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0000

RUN NO. 10/ 0 RVL = 6.70 GRADIENT INTERVAL = -5.00/ 5.00  

MACH	BETA	CASC	CASB	CASS
.896	-3.860	.03960	.06780	.02650
.896	-1.880	.03030	.06630	.02540
.896	.030	.02870	.06120	.02160
.896	1.960	.02920	.06650	.02210
.896	3.910	.03290	.06970	.02150
	GRADIENT	-.00013	.00021	-.00069

RUN NO. 11/ 0 RVL = 7.40 GRADIENT INTERVAL = -5.00/ 5.00  

MACH	BETA	CASC	CASB	CASS
1.209	-3.860	.04520	.06240	.03470
1.209	-1.950	.04370	.06250	.03360
1.209	-.040	.04370	.06430	.03300
1.209	1.870	.04290	.06530	.03170
1.209	3.928	.04570	.06920	.03130
	GRADIENT	.00002	.00085	-.00045

RUN NO. 28/ 0 RVL = 9.80 GRADIENT INTERVAL = -5.00/ 5.00  

MACH	BETA	CASC	CASB	CASS
1.503	-3.970	.06100	.03880	.02690
1.503	-2.060	.06020	.03720	.02630
1.503	-.130	.06050	.03940	.02560
1.503	1.800	.06000	.04080	.02530
1.503	3.940	.06200	.04040	.02470
	GRADIENT	.00010	.00042	-.00028

RUN NO. 37/ 0 RVL = 13.60 GRADIENT INTERVAL = -5.00/ 5.00  

MACH	BETA	CASC	CASB	CASS
1.991	-3.790	.03610	.02300	.02130
1.991	-1.870	.03640	.02310	.02130
1.991	-.080	.03650	.02310	.02100
1.991	1.950	.03610	.02170	.01980
1.991	3.790	.03490	.02390	.01840
	GRADIENT	-.00014	.00002	-.00038

REPRODUCIBILITY OF THE  
 ORIGINAL PAGE IS POOR



DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

1A68 C1 F1 M2

REFERENCE DATA

SREF = 2680.0000 SQ.FT. XMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

PARAMETRIC DATA

BETA = .000

RUN NO. 14/ 0 RVL = 6.50 GRADIENT INTERVAL = -5.00/ 5.00  
 MACH .896  
 ALPHA .000  
 GRADIENT .00000  
 CASC .02960  
 CABT .06210  
 CAES .02120  
 .00000  
 .00000

RUN NO. 15/ 0 RVL = 7.30 GRADIENT INTERVAL = -5.00/ 5.00  
 MACH 1.223  
 ALPHA .000  
 GRADIENT .00000  
 CASC .04470  
 CABT .05650  
 CAES .03275  
 .00000  
 .00000



IAGS C1 F1 M2(1)+FILLET

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000  
 UREF = 1328.3000 IN. YMRP = .0000  
 EREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

PARAMETRIC DATA

BETA = .000

RUN NO. 20/ 0 RVL = 6.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	CABT	CABS
.896	-3.870	.03370	.07170	.02460
.896	-1.920	.03110	.06430	.02520
.896	.000	.03000	.05720	.02400
.896	1.850	.03000	.05650	.02430
.896	3.790	.03110	.05850	.02570
	GRADIENT	-.0002	-.00179	.00007

RUN NO. 21/ 0 RVL = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	CABT	CABS
1.206	-3.950	.04680	.05780	.03280
1.206	-2.000	.04520	.05510	.03250
1.206	-.070	.04360	.05220	.03200
1.206	1.870	.04360	.04830	.03000
1.206	3.850	.04440	.04690	.03090
	GRADIENT	-.0003	-.00147	-.00031

RUN NO. 32/ 0 RVL = 9.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	CABT	CABS
1.503	-3.890	.03860	.04410	.02760
1.503	-1.900	.03930	.04250	.02690
1.503	.010	.03910	.04020	.02680
1.503	1.940	.03900	.03780	.02590
1.503	3.810	.03910	.03460	.02590
	GRADIENT	-.0007	-.00124	-.00023

RUN NO. 33/ 0 RVL = 10.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	CABT	CABS
1.991	-4.080	.03220	.02440	.01860
1.991	-1.900	.03280	.02420	.01890
1.991	.100	.03330	.02280	.02130
1.991	2.120	.03390	.02280	.02000
1.991	4.070	.03390	.02240	.01950
	GRADIENT	.00116	-.00027	-.00014

c-6

(RFAUZR) ( 07 MAY 74 )

1A68 C1 F1 M2(1)+FILLET

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

ALPHA = .000

FAGAMETRIC DATA

RUN NO. 19/ 0 RVL = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CABO	CABT	CABS
.896	-3.930	.03680	.06610	.02800
.896	-1.950	.03320	.06010	.02620
.896	-.030	.03050	.05700	.02390
.896	1.880	.02910	.06020	.02400
.896	3.810	.03040	.06440	.02220
	GRADIENT	-.00077	-.00018	-.00072

RUN NO. 18/ 0 RVL = 7.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CABO	CABT	CABS
1.210	-3.880	.04600	.04860	.03600
1.210	-1.830	.04310	.05130	.03390
1.210	.140	.04340	.06200	.03160
1.210	2.130	.04490	.05250	.03040
1.210	4.070	.04880	.06400	.02960
	GRADIENT	.00037	.00062	-.00069

RUN NO. 34/ 0 RVL = 10.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CABO	CABT	CABS
1.991	-3.800	.03280	.02420	.02160
1.991	-1.760	.03240	.02290	.02100
1.991	.210	.03320	.02260	.02040
1.991	2.160	.03490	.02300	.01930
1.991	4.060	.03620	.02460	.01810
	GRADIENT	.00037	.00004	-.00044



TABLATED SOURCE DATA, R.I. TMF 281 - 1A68  
 1A68 C1 F1 NS M4

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040  
 BETA = .000

RUN NO. 24/ 0 RVL = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CASC	CABT	CABS
.896	-3.940	.02920	.06090	.02370
.896	-1.940	.02810	.05960	.02300
.896	.000	.02710	.05790	.02270
.896	1.910	.02680	.05680	.02210
.896	3.840	.02670	.06100	.02270
GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT

RUN NO. 25/ 0 RVL = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CASC	CABT	CABS
1.209	-3.940	.04700	.05940	.03630
1.209	-1.960	.04540	.06490	.03510
1.209	-.030	.04570	.05320	.03400
1.209	1.900	.04590	.05160	.03380
1.209	3.860	.04650	.05100	.03380
GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT

RUN NO. 26/ 0 RVL = 9.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CASC	CABT	CABS
1.503	-3.890	.05160	.04200	.02770
1.503	-1.820	.05140	.03860	.02680
1.503	.120	.05170	.03790	.02600
1.503	2.120	.05140	.03680	.02600
1.503	4.030	.05070	.03720	.02610
GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABLATED SOURCE DATA, R.I. TWT 281 - 1A68

DATE 01 OCT 74

(RFAD10) ( 07 MAY 74 )

1A68 C1 F1 M3 M4

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

ALPHA = .000

RUN NO. 23/ 0 RVL = 6.50 GRADIENT INTERVAL = -5.00/ 5.00  
 MACH .897  
 BETA -3.920  
 CABO .02870  
 CABT .06250  
 CABS .02700  
 .897 -1.970 .02800 .06310 .02580  
 .897 -.060 .02660 .05770 .02240  
 .897 1.830 .02740 .06360 .02230  
 .897 3.840 .02890 .06390 .02100  
 GRADIENT -.00001 .00017 -.00090

RUN NO. 22/ 0 RVL = 7.40 GRADIENT INTERVAL = -5.00/ 5.00  
 MACH 1.210  
 BETA -3.930  
 CABO .04630  
 CABT .06140  
 CABS .03620  
 1.210 -2.070 .04580 .06200 .03490  
 1.210 -.130 .04570 .05340 .03380  
 1.210 1.620 .04510 .06280 .03260  
 1.210 3.780 .04680 .05450 .03160  
 GRADIENT .00002 .00037 -.00060



(6F4011) ( 07 MAY 74 )

IA68 CI F1 M1

REFERENCE DATA

SREF = 2690.0000 SQ-FT. XMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

PARAMETRIC DATA

BETA = .000

RUN NO. 31/ 0 RVL = 9.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CASO	CAS1	CABS
1.503	-3.700	.04060	.04180	.02710
1.503	-1.790	.04120	.04300	.02710
1.503	.120	.04060	.04300	.02730
1.503	2.010	.04020	.04460	.02740
1.503	4.040	.04000	.04640	.02770
	GRADIENT	-.00011	.00056	.00038

RUN NO. 39/ 0 RVL = 13.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CASO	CAS1	CABS
1.991	-3.660	.02920	.03150	.01970
1.991	-1.940	.03130	.02990	.02040
1.991	.000	.03500	.02690	.02080
1.991	1.980	.03720	.02560	.02120
1.991	3.910	.03640	.02400	.02120
	GRADIENT	.00104	-.00099	.00104

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

PARAMETRIC DATA

BETA = .000

RUN NO. 16/ 0 RVL = 7.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	CABT	CABS
1.223	.000	.04470	.08640	.03270
GRADIENT	GRADIENT	.00000	.00000	.00000



APPENDIX B  
TABULATED SOURCE DATA - PRESSURE

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



IAGS C1 F1 CASE REGIONS

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000  
 LREF = 1328.5000 IN. YMRP = .0000  
 BREF = 1328.5000 IN. ZMRP = .0000  
 SCALE = .0040

MACH ( 1 ) = .863 ALPHA ( 1 ) = .000 RV/L = 6.400  
 BETA = .000

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	VALUE
1.000	-.1814
2.000	-.1769
3.000	-.1819
4.000	-.1810
5.000	.0289
6.000	-.3068
7.000	-.2895
8.000	-.3141
9.000	-.4342
10.000	-.3623
11.000	-.3181
12.000	-.3142
13.000	-.2967
14.000	-.1583
15.000	-.1576
16.000	-.3141
17.000	-.3087
18.000	-.3379
19.000	-.3165
20.000	-.3090
21.000	-.2782
22.000	-.3253

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(REFELED ( 18 APR 74 )

IA68 CI F1 BASE REGIONS

FRAGMENTIC DATA

BETA = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

MACH ( 1 ) = .696 ALPHA ( 1 ) = -4.000 RV/L = 6.700

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	X/L
1.000	-.2066
2.000	-.2133
3.000	-.1986
4.000	-.1902
5.000	.0000
6.000	-.3870
7.000	-.2891
8.000	-.2993
9.000	-.4239
10.000	-.3626
11.000	-.3054
12.000	-.3157
13.000	-.3604
14.000	-.1340
15.000	-.1813
16.000	-.3432
17.000	-.3159
18.000	-.3553
19.000	-.3504
20.000	-.3274
21.000	-.3106
22.000	-.3458

MACH ( 1 ) = .696 ALPHA ( 2 ) = -2.000 RV/L = 6.700

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	X/L
1.000	-.1964
2.000	-.1993
3.000	-.1880
4.000	-.1839
5.000	.0000
6.000	-.3532
7.000	-.2792
8.000	-.2937



(RF45U2)

BASE REGIONS

1A68 C1 F1

MACH ( 1 ) = .896 ALPHA ( 2 ) = -2.000

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L	1.0000
TAP NO	
9.000	-.4012
10.000	-.3325
11.000	-.3018
12.000	-.3124
13.000	-.3300
14.000	-.1393
15.000	-.1548
16.000	-.3359
17.000	-.3142
18.000	-.3564
19.000	-.3425
20.000	-.3207
21.000	-.3003
22.000	-.3418

MACH ( 1 ) = .896 ALPHA ( 3 ) = -.080 RM/L = 6.700

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L	1.0000
TAP NO	
1.000	-.1924
2.000	-.1911
3.000	-.1657
4.000	-.1641
5.000	.0000
6.000	-.3267
7.000	-.2852
8.000	-.3050
9.000	-.3900
10.000	-.3176
11.000	-.3125
12.000	-.3159
13.000	-.3039
14.000	-.1350
15.000	-.1257
16.000	-.3165
17.000	-.3056
18.000	-.3387
19.000	-.3211
20.000	-.3035
21.000	-.2872
22.000	-.3254

TABLATED SOURCE DATA, R.I. TWT 281 - 1A68  
 BASE REGIONS

MACH ( 1 ) = .896 ALPHA ( 4 ) = 1.800 R/VL = 6.700

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	Value
1.000	-.1859
2.000	-.1838
3.000	-.1822
4.000	-.1845
5.000	.0000
6.000	-.3291
7.000	-.2895
8.000	-.3102
9.000	-.3735
10.000	-.2977
11.000	-.3190
12.000	-.3205
13.000	-.3045
14.000	-.1347
15.000	-.0976
16.000	-.3058
17.000	-.3068
18.000	-.3312
19.000	-.3092
20.000	-.2936
21.000	-.2673
22.000	-.3190

MACH ( 1 ) = .896 ALPHA ( 5 ) = 3.670 R/VL = 6.700

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	Value
1.000	-.1835
2.000	-.1830
3.000	-.1822
4.000	-.1852
5.000	.0000
6.000	-.3332
7.000	-.2869
8.000	-.3097
9.000	-.3623
10.000	-.2978
11.000	-.3160
12.000	-.3218
13.000	-.3070
14.000	-.1285
15.000	-.1541



TABLATED SOURCE DATA, R.I. TMT 281 - 1A63

(RFAE-Z)

BASE REGIONS

IAGS CI FI

MACH ( 1 ) = .886 ALPHA ( 5 ) = 3.670

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L	1.0000
TAP NO	
16.000	-.3131
17.000	-.3217
18.000	-.3425
19.000	-.3130
20.000	-.3013
21.000	-.2737
22.000	-.3299

MACH ( 2 ) = 1.211 ALPHA ( 1 ) = -3.910 RVL = 7.500

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L	1.0000
TAP NO	
1.000	-.2890
2.000	-.2854
3.000	-.2882
4.000	-.2959
5.000	.0000
6.000	-.3647
7.000	-.3960
8.000	-.4182
9.000	-.0994
10.000	-.0464
11.000	-.4239
12.000	-.4211
13.000	-.3896
14.000	.0241
15.000	-.0921
16.000	-.4499
17.000	-.4531
18.000	-.4625
19.000	-.4507
20.000	-.4393
21.000	-.4293
22.000	-.4497

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 291 - 1A68

BASE REGIONS

1A68 C1 F1

MACH ( 2 ) = 1.211 ALPHA ( 2 ) = -1.833 RV/L = 7.500

DEPENDENT VARIABLE OF

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	RV/L
1.000	-2833
2.000	-2711
3.000	-2777
4.000	-2719
5.000	.0000
6.000	-3641
7.000	-3742
8.000	-3897
9.000	-3843
10.000	-3709
11.000	-4040
12.000	-4058
13.000	-3703
14.000	.0807
15.000	-1171
16.000	-4277
17.000	-4379
18.000	-4510
19.000	-4318
20.000	-4142
21.000	-4102
22.000	-4259

MACH ( 2 ) = 1.211 ALPHA ( 3 ) = .150 RV/L = 7.500

DEPENDENT VARIABLE OF

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	RV/L
1.000	-2793
2.000	-2688
3.000	-2757
4.000	-2675
5.000	.0000
6.000	-3529
7.000	-3624
8.000	-3820
9.000	-3837
10.000	-3755
11.000	-3967
12.000	-3999
13.000	-3594
14.000	.0800
15.000	-3365



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

68F45020

BASE REGIONS

1A68 C1 F1

MACH ( 2 ) = 1.211 ALPHA ( 3 ) = .150

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L	TAP NO
16.000	-.4132
17.000	-.4252
18.000	-.4413
19.000	-.4209
20.000	-.3970
21.000	-.3936
22.000	-.4143

MACH ( 2 ) = 1.211 ALPHA ( 4 ) = 2.120 RV/L = 7.500

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L	TAP NO
1.000	-.2765
2.000	-.2726
3.000	-.2800
4.000	-.2700
5.000	.0000
6.000	-.3523
7.000	-.3579
8.000	-.3900
9.000	-.0685
10.000	-.0293
11.000	-.4002
12.000	-.4010
13.000	-.3595
14.000	.0805
15.000	.0314
16.000	-.3915
17.000	-.4089
18.000	-.4184
19.000	-.4030
20.000	-.3779
21.000	-.3789
22.000	-.3967

DATE 01 OCT 74

TABLATED SOURCE DATA, R.I. TW 281 - IA69

(RF4EJ2)

IA69 C1 F1 BASE REGIONS

MACH ( 2 ) = 1.211 ALPHA ( 5 ) = 4.030 RV/L = 7.500

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.2763
2.000	-.2740
3.000	-.2833
4.000	-.2708
5.000	.0000
6.000	-.3425
7.000	-.3485
8.000	-.3839
9.000	-.0608
10.000	-.0265
11.000	-.3947
12.000	-.3946
13.000	-.3507
14.000	.0576
15.000	.0188
16.000	-.3971
17.000	-.4158
18.000	-.4200
19.000	-.4103
20.000	-.3887
21.000	-.3858
22.000	-.4019

MACH ( 3 ) = 1.503 ALPHA ( 1 ) = -3.880 RV/L = 9.700

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.2740
2.000	-.2567
3.000	-.2549
4.000	-.2497
5.000	.0000
6.000	-.3097
7.000	-.3161
8.000	-.3284
9.000	-.0434
10.000	-.0421
11.000	-.3355
12.000	-.3388
13.000	-.3087
14.000	.0940
15.000	-.0546





DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - IA68

(RF48022)

BASE REGIONS

IA68 CI FI

MOY ( 3) = 1.503 ALPHA ( 1) = -3.680

DEPENDENT VARIABLE CP

SECTION ( 1)BASE

X/L 1.0000

TAP ~  
 16.000 -.5517  
 17.000 -.3782  
 18.000 -.3698  
 19.000 -.3650  
 20.000 -.3409  
 21.000 -.3471  
 22.000 -.3550

MOY ( 3) = 1.503 ALPHA ( 2) = -1.690 RVL = 9.700

SECTION ( 1)BASE

X/L 1.0000

TAP NO  
 1.000 -.2676  
 2.000 -.2504  
 3.000 -.2551  
 4.000 -.2555  
 5.000 .0000  
 6.000 -.2974  
 7.000 -.3058  
 8.000 -.3244  
 9.000 -.0553  
 10.000 -.0334  
 11.000 -.3225  
 12.000 -.3256  
 13.000 -.2975  
 14.000 .0979  
 15.000 -.0032  
 16.000 -.3563  
 17.000 -.3721  
 18.000 -.3705  
 19.000 -.3564  
 20.000 -.3479  
 21.000 -.3490  
 22.000 -.3536

DEPENDENT VARIABLE CP

(RF4802)

BASE REGIONS  
IA68 C1 F1

MACH (3) = 1.503 ALPHA (3) = .120 RV/L = 9.700

SECTION (1) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	1.000	2.000	3.000	4.000	5.000	6.000	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000	18.000	19.000	20.000	21.000	22.000
	-.2667	-.2484	-.2619	-.2613	.0000	-.2916	-.2992	-.3162	-.0264	-.0417	-.3177	-.3240	-.2921	.1330	.0405	-.3527	-.3641	-.3687	-.3546	-.3432	-.3414	-.3521

MACH (3) = 1.503 ALPHA (4) = 2.010 RV/L = 9.700

SECTION (1) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	1.000	2.000	3.000	4.000	5.000	6.000	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	15.000
	-.2668	-.2500	-.2669	-.2608	.0000	-.2877	-.2922	-.3087	-.0271	-.0133	-.3193	-.3174	-.2835	.1650	-.0111



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(REF:812)

BASE REGIONS

1A68 C1 F1

MACH ( 3 ) = 1.503 ALPHA ( 4 ) = 2.010

SECTION ( 1 ) BASE DEFENDENT VARIABLE OF

X/L 1.0000

TAP NO	
16.000	-.3484
17.000	-.3660
18.000	-.3696
19.000	-.3527
20.000	-.3402
21.000	-.3429
22.000	-.3525

MACH ( 3 ) = 1.503 ALPHA ( 5 ) = 3.950 RV/L = 9.700

SECTION ( 1 ) BASE DEFENDENT VARIABLE OF

X/L 1.0000

TAP NO	
1.000	-.2630
2.000	-.2533
3.000	-.2677
4.000	-.2618
5.000	.0000
6.000	-.2820
7.000	-.2922
8.000	-.3067
9.000	-.0237
10.000	-.0165
11.000	-.3222
12.000	-.3213
13.000	-.2819
14.000	.1955
15.000	-.0160
16.000	-.3476
17.000	-.3695
18.000	-.3727
19.000	-.3544
20.000	-.3418
21.000	-.3432
22.000	-.3507

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABLULATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF4E12)

BASE REGIONS

1A68 C1 F1

MACH ( 4 ) = 1.991 ALPHA ( 1 ) = -3.770 RM/L = 10.800

DEPENDENT VARIABLE CP

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.1955
2.000	-.1843
3.000	-.1851
4.000	-.1862
5.000	.0000
6.000	-.2233
7.000	-.2309
8.000	-.2368
9.000	-.0120
10.000	-.0173
11.000	-.2430
12.000	-.2529
13.000	-.2236
14.000	.0874
15.000	-.0058
16.000	-.2472
17.000	-.2597
18.000	-.2609
19.000	-.2481
20.000	-.2434
21.000	-.2431
22.000	-.2461

MACH ( 4 ) = 1.991 ALPHA ( 2 ) = -1.960 RM/L = 10.800

DEPENDENT VARIABLE CP

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.1971
2.000	-.1839
3.000	-.1923
4.000	-.1919
5.000	.0000
6.000	-.2150
7.000	-.2221
8.000	-.2340
9.000	-.0106
10.000	-.0150
11.000	-.2327
12.000	-.2401
13.000	-.2136
14.000	.1113
15.000	.0203



TABLATED SOURCE DATA, R.I. TMT 281 - IA68

(RF4502)

DATE 01 OCT 74

IA68 CI F1 BASE REGIONS

MACH ( 4 ) = 1.991 ALPHA ( 2 ) = -1.960

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	VALUE
16.000	-.2555
17.000	-.2824
18.000	-.2762
19.000	-.2559
20.000	-.2527
21.000	-.2489
22.000	-.2536

MACH ( 4 ) = 1.991 ALPHA ( 3 ) = .020 RV/L = 10.600

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	VALUE
1.000	-.2084
2.000	-.1979
3.000	-.2061
4.000	-.2052
5.000	.0000
6.000	-.2057
7.000	-.2125
8.000	-.2240
9.000	-.0059
10.000	.0041
11.000	-.2169
12.000	-.2269
13.000	-.2057
14.000	.1479
15.000	.0890
16.000	-.2550
17.000	-.2966
18.000	-.2874
19.000	-.2573
20.000	-.2552
21.000	-.2515
22.000	-.2570



(RF4EJZ)

BASE REGIONS

1A68 C1 F1

MACH ( 4 ) = 1.991 ALPHA ( 4 ) = 2.050 RV/L = 10.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	1.000	-.2219
	2.000	-.2144
	3.000	-.2187
	4.000	-.2182
	5.000	.0000
	6.000	-.2055
	7.000	-.2050
	8.000	-.2198
	9.000	-.0052
	10.000	.0169
	11.000	-.2103
	12.000	-.2231
	13.000	-.2063
	14.000	.1868
	15.000	.0798
	16.000	-.2531
	17.000	-.2904
	18.000	-.2819
	19.000	-.2564
	20.000	-.2502
	21.000	-.2477
	22.000	-.2545

MACH ( 4 ) = 1.991 ALPHA ( 5 ) = 4.050 RV/L = 10.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	1.000	-.2200
	2.000	-.2136
	3.000	-.2198
	4.000	-.2196
	5.000	.0000
	6.000	-.1943
	7.000	-.2008
	8.000	-.2132
	9.000	-.0075
	10.000	.0258
	11.000	-.2169
	12.000	-.2253
	13.000	-.1964
	14.000	-.2063
	15.000	.0637



TABLATED SOURCE DATA, R.I. TMT 261 - 1A69

(RF4902)

BASE REGIONS

IAG8 C1 F1

MOY ( 4) = 1.991 ALPHA ( 5) = 4.050

DEPENDENT VARIABLE CP

SECTION ( 1)BASE

X/L	1.0070
TAP NO	
5.000	-.2514
17.000	-.2826
18.000	-.2772
19.000	-.2534
20.000	-.2443
21.000	-.2447
22.000	-.2522

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

1A68 C1 F1

BASE REGIONS

(R54803) ( 18 APR 74 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

PARAMETRIC DATA

ALPHA = .000

MAO1 ( 1 ) = .689 BETA ( 1 ) = -3.750 RV/L = 6.600

SECTION ( 1 ) BASE

DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	CP
1.000	-.2193
2.000	-.2169
3.000	-.2139
4.000	-.1989
5.000	.0000
6.000	-.3164
7.000	-.3314
8.000	-.3588
9.000	-.3982
10.000	-.3340
11.000	-.3524
12.000	-.3434
13.000	-.3142
14.000	-.0275
15.000	-.2506
16.000	-.3790
17.000	-.3360
18.000	-.3838
19.000	-.3774
20.000	-.3684
21.000	-.3398
22.000	-.3809

MAO1 ( 1 ) = .689 BETA ( 2 ) = -1.860 RV/L = 6.600

SECTION ( 1 ) BASE

DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	CP
1.000	-.1992
2.000	-.1994
3.000	-.1968
4.000	-.1695
5.000	.0000
6.000	-.3216
7.000	-.3146
8.000	-.3375





DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

BASE REGIONS

1A68 CI F1

MACH ( 1 ) = .899 BETA ( 2 ) = -1.860

SECTION ( 1 ) BASE

Y/L	1.0000	DEPENDENT VARIABLE CP
TAP NO		
9.000	-.3904	
10.000	-.3198	
11.000	-.3361	
12.000	-.3330	
13.000	-.3135	
14.000	-.0794	
15.000	-.1521	
16.000	-.3545	
17.000	-.3270	
18.000	-.3666	
19.000	-.3538	
20.000	-.3438	
21.000	-.3146	
22.000	-.3591	

MACH ( 1 ) = .899 BETA ( 3 ) = .080 RV/L = 6.600

SECTION ( 1 ) BASE

Y/L	1.0000	DEPENDENT VARIABLE CP
TAP NO		
1.000	-.1215	
2.000	-.1921	
3.000	-.1845	
4.000	-.1027	
5.000	.0000	
6.000	-.3982	
7.000	-.2774	
8.000	-.2932	
9.000	-.3852	
10.000	-.3109	
11.000	-.3039	
12.000	-.3123	
13.000	-.3127	
14.000	-.1409	
15.000	-.1131	
16.000	-.3099	
17.000	-.3040	
18.000	-.3346	
19.000	-.3156	
20.000	-.2954	
21.000	-.2727	
22.000	-.3215	



TABULATED SOURCE DATA, R.I. TWT 281 - IA68

06F48233

BASE REGIONS

IA68 CI FI

RV/L = 6.600

BETA ( 4 ) = 1.970

BETA ( 5 ) = .699

MACH ( 1 ) = .899

DEPENDENT VARIABLE CP

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.1951
2.000	-.1927
3.000	-.1875
4.000	-.1849
5.000	.0000
6.000	-.3541
7.000	-.2823
8.000	-.2933
9.000	-.3891
10.000	-.3183
11.000	-.3154
12.000	-.3424
13.000	-.3617
14.000	-.2703
15.000	-.1279
16.000	-.2819
17.000	-.2965
18.000	-.3171
19.000	-.2914
20.000	-.2679
21.000	-.2489
22.000	-.3011

RV/L = 6.600

BETA ( 4 ) = 3.970

BETA ( 5 ) = .699

MACH ( 1 ) = .899

DEPENDENT VARIABLE CP

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.2217
2.000	-.2215
3.000	-.2031
4.000	-.2743
5.000	.0000
6.000	-.3255
7.000	-.3245
8.000	-.3454
9.000	-.3995
10.000	-.3254
11.000	-.3577
12.000	-.3648
13.000	-.3802
14.000	-.2760
15.000	-.1255



TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(F-4200)

BASE REGIONS

DATE 01 OCT 74

IAG9 CI F1

MACH ( 1 ) = .899 BETA ( 5 ) = 3.970

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
16.000	-.2761
17.000	-.2924
18.000	-.3139
19.000	-.2864
20.000	-.2600
21.000	-.2386
22.000	-.2987

MACH ( 2 ) = 1.211 BETA ( 1 ) = -3.850 RVL = 7.500

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
1.000	-.2937
2.000	-.2895
3.000	-.2949
4.000	-.2707
5.000	.0000
6.000	-.3530
7.000	-.3791
8.000	-.3989
9.000	-.0932
10.000	-.0781
11.000	-.4011
12.000	-.3993
13.000	-.3602
14.000	-.1670
15.000	-.1170
16.000	-.4473
17.000	-.4614
18.000	-.4704
19.000	-.4546
20.000	-.4356
21.000	-.4291
22.000	-.4499

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

TABULATED SOURCE DATA, R.I. TWT 231 - 1A69

(742-3)

BASE REGIONS

1A69 CI F1

RV/L = 7.500

BETA ( 2 ) = -1.900

MACH ( 2 ) = 1.211

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.2789
2.000	-.2780
3.000	-.2810
4.000	-.2857
5.000	.0000
6.000	-.3450
7.000	-.3660
8.000	-.3792
9.000	-.0776
10.000	-.0785
11.000	-.3965
12.000	-.3986
13.000	-.3515
14.000	.1529
15.000	-.1032
16.000	-.4274
17.000	-.4420
18.000	-.4507
19.000	-.4360
20.000	-.4111
21.000	-.4115
22.000	-.4287

RV/L = 7.500

BETA ( 3 ) = .000

MACH ( 2 ) = 1.211

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.2779
2.000	-.2683
3.000	-.2747
4.000	-.2677
5.000	.0000
6.000	-.3515
7.000	-.3625
8.000	-.3825
9.000	-.0852
10.000	-.0785
11.000	-.3936
12.000	-.4009
13.000	-.3593
14.000	.0829
15.000	-.0501



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(REFLECT)

BASE REGIONS

1A68 C1 F1

MACH (2) = 1.211 BETA (3) = .000

SECTION (1)BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
16.000	-.4089
17.000	-.4225
18.000	-.4392
19.000	-.4186
20.000	-.3940
21.000	-.3906
22.000	-.4114

MACH (2) = 1.211 BETA (4) = 1.900 RV/L = 7.500

SECTION (1)BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
1.000	-.2933
2.000	-.2895
3.000	-.2749
4.000	-.2630
5.000	.0000
6.000	-.3464
7.000	-.3648
8.000	-.3780
9.000	-.0820
10.000	-.0689
11.000	-.3834
12.000	-.3750
13.000	-.3766
14.000	.0308
15.000	-.0291
16.000	-.3652
17.000	-.4003
18.000	-.4189
19.000	-.3968
20.000	-.3703
21.000	-.3705
22.000	-.3850

(REFLECT)

BASE REGIONS

MACH ( 2 ) = 1.211 BETA ( 5 ) = 3.920 RV/L = 7.500

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L	1.0000
TAP NO	
1.000	-.3184
2.000	-.3156
3.000	-.2898
4.000	-.2787
5.000	.0000
6.000	-.3482
7.000	-.3644
8.000	-.3874
9.000	-.0881
10.000	-.0683
11.000	-.3915
12.000	-.3903
13.000	-.3938
14.000	.0424
15.000	-.0345
16.000	-.3750
17.000	-.3916
18.000	-.4084
19.000	-.3902
20.000	-.3612
21.000	-.3559
22.000	-.3812

MACH ( 3 ) = 1.503 BETA ( 1 ) = -3.910 RV/L = 9.800

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L	1.0000
TAP NO	
1.000	-.2503
2.000	-.2370
3.000	-.2541
4.000	-.2400
5.000	.0000
6.000	-.2829
7.000	-.2972
8.000	-.3048
9.000	-.0389
10.000	-.0904
11.000	-.3180
12.000	-.3170
13.000	-.2800
14.000	.2301
15.000	.0651



TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(SF4803)

BASE REGIONS

1A68 C1 F1

DATE 01 OCT 74

MCH ( 3) = 1.503 BETA ( 1) = -3.910

DEPENDENT VARIABLE OP

SECTION ( 1)BASE

X/L	1.0000
TAP NO	
16.000	-.3692
17.000	-.3868
18.000	-.3904
19.000	-.3691
20.000	-.3601
21.000	-.3606
22.000	-.3673

MCH ( 3) = 1.503 BETA ( 2) = -1.980 RVL = 9.800

DEPENDENT VARIABLE OP

SECTION ( 1)BASE

X/L	1.0000
TAP NO	
1.000	-.2521
2.000	-.2329
3.000	-.2469
4.000	-.2413
5.000	.0000
6.000	-.2770
7.000	-.2922
8.000	-.3017
9.000	-.0234
10.000	-.0372
11.000	-.3179
12.000	-.3220
13.000	-.2775
14.000	.1968
15.000	.0637
16.000	-.3625
17.000	-.3780
18.000	-.3806
19.000	-.3637
20.000	-.3533
21.000	-.3537
22.000	-.3619

TABLATED SOURCE DATA, R.I. TMT 291 - 1A69

(RF4833)

1A69 CI F1 BASE REGIONS

MACH ( 3 ) = 1.503 BETA ( 3 ) = -.070 RV/L = 9.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

TAP NO	X/L	1.0000
1.000	-.2592	
2.000	-.2409	
3.000	-.2530	
4.000	-.2525	
5.000	.0000	
6.000	-.2828	
7.000	-.2925	
8.000	-.3062	
9.000	-.0197	
10.000	-.0357	
11.000	-.3141	
12.000	-.3196	
13.000	-.2853	
14.000	.1368	
15.000	.0435	
16.000	-.3459	
17.000	-.3574	
18.000	-.3609	
19.000	-.3477	
20.000	-.3344	
21.000	-.3345	
22.000	-.3452	

MACH ( 3 ) = 1.503 BETA ( 4 ) = 1.910 RV/L = 9.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

TAP NO	X/L	1.0000
1.000	-.2613	
2.000	-.2542	
3.000	-.2461	
4.000	-.2513	
5.000	.0000	
6.000	-.2876	
7.000	-.2918	
8.000	-.3018	
9.000	-.0219	
10.000	-.0294	
11.000	-.3080	
12.000	-.3140	
13.000	-.3078	
14.000	.0994	
15.000	.0264	

11



DATE 01 OCT 74

66F48133

TABLATED SOURCE DATA, R.I. TWT 281 - 1A68

1A68 CI F1

BASE REGIONS

MACH ( 3) = 1.503 BETA ( 4) = 1.910

SECTION ( 1)BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
16.000	-.5328
17.000	-.3428
18.000	-.3595
19.000	-.3341
20.000	-.3235
21.000	-.3191
22.000	-.3309

MACH ( 3) = 1.503 BETA ( 5) = 3.980 RVL = 9.800

SECTION ( 1)BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
1.000	-.2775
2.000	-.2721
3.000	-.2577
4.000	-.2603
5.000	.0000
6.000	-.2822
7.000	-.2925
8.000	-.3060
9.000	-.0894
10.000	-.0321
11.000	-.3044
12.000	-.3125
13.000	-.3043
14.000	-.1331
15.000	-.0033
16.000	-.3146
17.000	-.3293
18.000	-.3407
19.000	-.3208
20.000	-.3020
21.000	-.3042
22.000	-.3143

THE QUALITY OF THE ORIGINAL PAGE IS POOR

TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF4803)

BASE REGIONS

IA68 CI F1

RVL = 13.800

MACH (4) = 1.991 BETA (1) = -3.630

DEPENDENT VARIABLE OF

SECTION (1)BASE

X/L 1.0000

TAP NO	Y/L
1.000	-.2200
2.000	-.2246
3.000	-.2085
4.000	-.2144
5.000	.0000
6.000	-.2122
7.000	-.2177
8.000	-.2232
9.000	-.0292
10.000	-.0291
11.000	-.2254
12.000	-.2329
13.000	-.2143
14.000	.1847
15.000	.0818
16.000	-.2773
17.000	-.3044
18.000	-.2941
19.000	-.2779
20.000	-.2723
21.000	-.2666
22.000	-.2756

MACH (4) = 1.991 BETA (2) = -1.900 RVL = 13.800

DEPENDENT VARIABLE OF

SECTION (1)BASE

X/L 1.0000

TAP NO	Y/L
1.000	-.2079
2.000	-.2032
3.000	-.2032
4.000	-.2078
5.000	.0000
6.000	-.2043
7.000	-.2100
8.000	-.2182
9.000	-.0163
10.000	-.0858
11.000	-.2188
12.000	-.2353
13.000	-.2045
14.000	.1978
15.000	.0328

TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF4503)

DATE 01 OCT 74

BASE REGIONS

1A68 C1 F1

MACH ( 4 ) = 1.991 BETA ( 2 ) = -1.900

DEPENDENT VARIABLE C<sup>0</sup>

SECTION ( 1 ) BASE

X/L	1.0000
TAP NO	
16.000	-.2694
17.000	-.3005
18.000	-.2917
19.000	-.2703
20.000	-.2676
21.000	-.2612
22.000	-.2700

MACH ( 4 ) = 1.991 BETA ( 3 ) = .050 RV/L = 13.600

DEPENDENT VARIABLE C<sup>0</sup>

SECTION ( 1 ) BASE

X/L	1.0000
TAP NO	
1.000	-.2116
2.000	-.1982
3.000	-.2066
4.000	-.2079
5.000	.0000
6.000	-.2045
7.000	-.2121
8.000	-.2227
9.000	-.0082
10.000	.0029
11.000	-.2178
12.000	-.2276
13.000	-.2032
14.000	.1466
15.000	.0837
16.000	-.2561
17.000	-.2976
18.000	-.2885
19.000	-.2593
20.000	-.2554
21.000	-.2524
22.000	-.2577

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

(RF48523)

IA68 CI F1 BASE REGIONS

MACH ( 4 ) = 1.991 BETA ( 4 ) = 2.020 RV/L = 13.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	CP
1.000	-.2263
2.000	-.2165
3.000	-.2187
4.000	-.2194
5.000	-.0000
6.000	-.2143
7.000	-.2145
8.000	-.2223
9.000	-.0112
10.000	.0037
11.000	-.2261
12.000	-.2311
13.000	-.2223
14.000	-.1356
15.000	-.1248
16.000	-.2446
17.000	-.2859
18.000	-.2782
19.000	-.2465
20.000	-.2442
21.000	-.2409
22.000	-.2467

MACH ( 4 ) = 1.991 BETA ( 5 ) = 3.890 RV/L = 13.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	CP
1.000	-.2310
2.000	-.2089
3.000	-.2165
4.000	-.2206
5.000	-.0000
6.000	-.2287
7.000	-.2202
8.000	-.2231
9.000	-.0210
10.000	-.0033
11.000	-.2238
12.000	-.2254
13.000	-.2259
14.000	.1134
15.000	.1093



TABLULATED SOURCE DATA, R.I. TMT 281 - 1A68

(RFAECC)

BASE REGIONS

1A68 C1 F1

MACH ( 4) = 1.991 BETA ( 5) = 3.890

SECTION ( 1)BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
16.000	-.2323
17.000	-.2606
18.000	-.2588
19.000	-.2309
20.000	-.2304
21.000	-.2240
22.000	-.2318

(REFACD) ( 15 APR 74 )

IA68 C1 F1 M(1) BASE REGIONS

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

BETA = .000

MACH ( 1 ) = .896 ALPHA ( 1 ) = -3.870 RVL = 6.500  
 MACH ( 2 ) = .896 ALPHA ( 2 ) = -2.000 RVL = 6.500

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAF NO

- 1.000 -2115
- 2.000 -2130
- 3.000 -2041
- 4.000 -1965
- 5.000 .0000
- 6.000 -3973
- 7.000 -3008
- 8.000 -3153
- 9.000 -4134
- 10.000 -3761
- 11.000 -3208
- 12.000 -3244
- 13.000 -3686
- 14.000 -1414
- 15.000 -2342
- 16.000 -3340
- 17.000 -3086
- 18.000 -3351
- 19.000 -3404
- 20.000 -3185
- 21.000 -3060
- 22.000 -3380

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAF NO

- 1.000 .0000
- 2.000 .0000
- 3.000 .0000
- 4.000 .0000
- 5.000 .0000
- 6.000 .0000
- 7.000 .0000
- 8.000 .0000



TABULATED SOURCE DATA, R.I., TWT 281 - 1A68

(CF6004)

BASE REGIONS

DATE 01 OCT 74

1A68 CI F1 MI(1)

MACH ( 1 ) = .696 ALPHA ( 2 ) = -2.000

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

Y/L	1.0000
TAP NO	
9.000	.570
10.000	.3
11.000	.0000
12.000	.0000
13.000	.0000
14.000	.0000
15.000	.0000
16.000	.0000
17.000	.0000
18.000	.0000
19.000	.0000
20.000	.0000
21.000	.0000
22.000	.0000

MACH ( 1 ) = .696 ALPHA ( 3 ) = .000 RV/L = 6.500

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

Y/L	1.0000
TAP NO	
1.000	.0000
2.000	.0000
3.000	.0000
4.000	.0000
5.000	.0000
6.000	.0000
7.000	.0000
8.000	.0000
9.000	.0000
10.000	.0000
11.000	.0000
12.000	.0000
13.000	.0000
14.000	.0000
15.000	.0000
16.000	.0000
17.000	.0000
18.000	.0000
19.000	.0000
20.000	.0000
21.000	.0000
22.000	.0000



(77-231-2)

1A68 C1 F1 M1(1) BASE REGIONS

MACH ( 1 ) = .896 ALPHA ( 4 ) = 2.000 RV/L = 6.500

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	1.000	.0000
1.000	.0000	.0000
2.000	.0000	.0000
3.000	.0000	.0000
4.000	.0000	.0000
5.000	.0000	.0000
6.000	.0000	.0000
7.000	.0000	.0000
8.000	.0000	.0000
9.000	.0000	.0000
10.000	.0000	.0000
11.000	.0000	.0000
12.000	.0000	.0000
13.000	.0000	.0000
14.000	.0000	.0000
15.000	.0000	.0000
16.000	.0000	.0000
17.000	.0000	.0000
18.000	.0000	.0000
19.000	.0000	.0000
20.000	.0000	.0000
21.000	.0000	.0000
22.000	.0000	.0000

MACH ( 1 ) = .896 ALPHA ( 5 ) = 304.000 RV/L = 6.500

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	1.000	.0000
1.000	.0000	.0000
2.000	.0000	.0000
3.000	.0000	.0000
4.000	.0000	.0000
5.000	.0000	.0000
6.000	.0000	.0000
7.000	.0000	.0000
8.000	.0000	.0000
9.000	.0000	.0000
10.000	.0000	.0000
11.000	.0000	.0000
12.000	.0000	.0000
13.000	.0000	.0000
14.000	.0000	.0000
15.000	.0000	.0000





UNCLASSIFIED SOURCE DATA, R.I. TMT 281 - IAGS

(RTF&JMK)

BASE REGIONS

IAGS CI F1 M1 (1)

DATE 01 OCT 74

MACH ( 1 ) = .686 ALPHA ( 5 ) = 304.000

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	Value
16.000	.0000
17.000	.0000
18.000	.0000
19.000	.0000
20.000	.0000
21.000	.0000
22.000	.0000

MACH ( 2 ) = 1.211 ALPHA ( 1 ) = -3.910 RVL = 7.400

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	Value
1.000	-.2829
2.000	-.2842
3.000	-.2930
4.000	-.2973
5.000	.0000
6.000	-.3803
7.000	-.3923
8.000	-.4079
9.000	-.1181
10.000	-.1438
11.000	-.4216
12.000	-.4232
13.000	-.3861
14.000	-.0994
15.000	-.0867
16.000	-.4731
17.000	-.4807
18.000	-.5032
19.000	-.4776
20.000	-.4605
21.000	-.4518
22.000	-.4694



DATE 03 OCT 74

TASULATED SOURCE DATA, R.I. TMT 291 - IA69

(STATIONS)

IA69 CI FI MI (1) BASE REGIONS

MACH ( 2 ) = 1.211 ALPHA ( 2 ) = -1.930 RV/L = 7.400

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	Y/L
1.000	-.2827
2.000	-.2756
3.000	-.2863
4.000	-.2773
5.000	.0000
6.000	-.3595
7.000	-.3723
8.000	-.3804
9.000	-.0969
10.000	-.1573
11.000	-.3984
12.000	-.4011
13.000	-.3655
14.000	-.0939
15.000	-.1195
16.000	-.4491
17.000	-.4644
18.000	-.4836
19.000	-.4547
20.000	-.4375
21.000	-.4306
22.000	-.4468

MACH ( 2 ) = 1.211 ALPHA ( 3 ) = .000 RV/L = 7.400

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	Y/L
1.000	-.2811
2.000	-.2760
3.000	-.2904
4.000	-.2777
5.000	.0000
6.000	-.3536
7.000	-.3670
8.000	-.3765
9.000	-.0550
10.000	-.1028
11.000	-.4053
12.000	-.4092
13.000	-.3640
14.000	.0724
15.000	-.1524



DATE 01 OCT 74  
TABULATED SOURCE DATA, R.I. TMT 281 - 1A68  
1A68 CI F1 MI (1) BASE REGIONS  
(GF4EJH)

MACH ( 2 ) = 1.211 ALPHA ( 3 ) = .000  
SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L	1.0000
TAP NO	
16.000	-.4388
17.000	-.4529
18.000	-.4652
19.000	-.4451
20.000	-.4230
21.000	-.4242
22.000	-.4370

MACH ( 2 ) = 1.211 ALPHA ( 4 ) = 1.930 RV-L = 7.400  
SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L	1.0000
TAP NO	
1.000	-.2797
2.000	-.2765
3.000	-.2898
4.000	-.2765
5.000	.0000
6.000	-.3438
7.000	-.3569
8.000	-.3653
9.000	-.0188
10.000	-.0870
11.000	-.3933
12.000	-.4005
13.000	-.3534
14.000	.0690
15.000	-.1672
16.000	-.4364
17.000	-.4497
18.000	-.4596
19.000	-.4441
20.000	-.4199
21.000	-.4215
22.000	-.4360

TABLATED SOURCE DATA, R.I. TWT 281 - 1A68  
1A68 CI F1 MI (1) BASE REGIONS

(3F4E54)

DATE 01 OCT 74

MACH ( 2 ) = 1.211 ALPHA ( 5 ) = 3.900 RVL = 7.400

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	VALUE
1.000	-.2841
2.000	-.2797
3.000	-.2933
4.000	-.2796
5.000	.0000
6.000	-.3406
7.000	-.3482
8.000	-.3626
9.000	.0032
10.000	-.0566
11.000	-.3848
12.000	-.3978
13.000	-.3542
14.000	.0598
15.000	-.1943
16.000	-.4318
17.000	-.4480
18.000	-.4543
19.000	-.4432
20.000	-.4176
21.000	-.4150
22.000	-.4361

MACH ( 3 ) = 1.503 ALPHA ( 1 ) = -3.960 RVL = 9.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	VALUE
1.000	-.2820
2.000	-.2655
3.000	-.2551
4.000	-.2526
5.000	.0000
6.000	-.3098
7.000	-.3228
8.000	-.3284
9.000	-.0527
10.000	-.1113
11.000	-.3340
12.000	-.3400
13.000	-.3090
14.000	.1144
15.000	.0057



TABLATED SOURCE DATA, R.I. TMT 281 - IA68

(RF45-54)

BASE REGIONS

IA68 CI F1 MI (1)

DATE 01 OCT 74

MACH (3) = 1.503 ALPHA (1) = -3.960

DEPENDENT VARIABLE OF

SECTION (1)BASE

X/L 1.0000

TAP NO	
16.000	-.3621
17.000	-.3775
18.000	-.3735
19.000	-.3609
20.000	-.3573
21.000	-.3576
22.000	-.3592

MACH (3) = 1.503 ALPHA (2) = -1.670 RWL = 9.600

DEPENDENT VARIABLE OF

SECTION (1)BASE

X/L 1.0000

TAP NO	
1.000	-.2720
2.000	-.2532
3.000	-.2519
4.000	-.2537
5.000	.0000
6.000	-.2985
7.000	-.3066
8.000	-.3192
9.000	-.0347
10.000	-.1149
11.000	-.3256
12.000	-.3274
13.000	-.2964
14.000	.1250
15.000	.0427
16.000	-.3510
17.000	-.3620
18.000	-.3653
19.000	-.3509
20.000	-.3425
21.000	-.3449
22.000	-.3476



(REF:24)

1A69 C1 F1 M1(1) BASE REGIONS

MACH ( 3) = 1.503 ALPHA ( 3) = .070 RV/L = 9.800

SECTION ( 1)PASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	
1.000	-.2674
2.000	-.2465
3.000	-.2571
4.000	-.2581
5.000	.0000
6.000	-.3009
7.000	-.3093
8.000	-.3276
9.000	-.0294
10.000	-.0754
11.000	-.3163
12.000	-.3228
13.000	-.2984
14.000	.1478
15.000	-.0142
16.000	-.3434
17.000	-.3504
18.000	-.3572
19.000	-.3441
20.000	-.3340
21.000	-.3322
22.000	-.3413

MACH ( 3) = 1.503 ALPHA ( 4) = 1.990 RV/L = 9.800

SECTION ( 1)BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	
1.000	-.2598
2.000	-.2428
3.000	-.2581
4.000	-.2553
5.000	.0000
6.000	-.2888
7.000	-.2936
8.000	-.3043
9.000	-.0242
10.000	-.0781
11.000	-.3183
12.000	-.3189
13.000	-.2861
14.000	-.1757
15.000	-.0295



TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF4854)

BASE REGIONS

IA68 CI F1 MI (1)

MACH ( 3 ) = 1.503 ALPHA ( 4 ) = 1.990

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
16.000	-.3437
17.000	-.3528
18.000	-.3599
19.000	-.3441
20.000	-.3364
21.000	-.3323
22.000	-.3442

MACH ( 3 ) = 1.503 ALPHA ( 5 ) = 3.930 RV/L = 9.800

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
1.000	-.2518
2.000	-.2422
3.000	-.2569
4.000	-.2518
5.000	.0000
6.000	-.2843
7.000	-.2987
8.000	-.2992
9.000	-.0130
10.000	-.0518
11.000	-.3195
12.000	-.3169
13.000	-.2818
14.000	.1873
15.000	-.0801
16.000	-.3423
17.000	-.3548
18.000	-.3607
19.000	-.3414
20.000	-.3372
21.000	-.3331
22.000	-.3460



TABLATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4ELM)

IA68 CI FI MI (1) BASE REGIONS

MACH ( 4 ) = 1.991 ALPHA ( 1 ) = -3.910 RV/L = 13.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	VALUE
1.000	-.2033
2.000	-.1991
3.000	-.1936
4.000	-.1961
5.000	.0000
6.000	-.2285
7.000	-.2387
8.000	-.2536
9.000	-.0135
10.000	-.0698
11.000	-.2480
12.000	-.2505
13.000	-.2271
14.000	.0895
15.000	.0819
16.000	-.2649
17.000	-.2747
18.000	-.2758
19.000	-.2648
20.000	-.2627
21.000	-.2553
22.000	-.2629

MACH ( 4 ) = 1.991 ALPHA ( 2 ) = -2.000 RV/L = 13.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	VALUE
1.000	-.2149
2.000	-.2097
3.000	-.2096
4.000	-.2107
5.000	.0000
6.000	-.2244
7.000	-.2303
8.000	-.2455
9.000	-.0129
10.000	-.0659
11.000	-.2376
12.000	-.2434
13.000	-.2253
14.000	.1203
15.000	.1126





DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - IAG9

PAGE 41

(REFLECT)

BASE REGIONS

IAG9 C1 F1 M1 (1)

MACH ( 4 ) = 1.991 ALPHA ( 2 ) = -2.000

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	
16.000	-.2678
17.000	-.2945
18.000	-.2891
19.000	-.2676
20.000	-.2679
21.000	-.2640
22.000	-.2688

MACH ( 4 ) = 1.991 ALPHA ( 3 ) = -.020 RVL = 13.800

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	
1.000	-.2298
2.000	-.2295
3.000	-.2231
4.000	-.2229
5.000	.0000
6.000	-.2237
7.000	-.2198
8.000	-.2353
9.000	-.0095
10.000	-.0497
11.000	-.2284
12.000	-.2358
13.000	-.2244
14.000	.1725
15.000	.1053
16.000	-.2655
17.000	-.3021
18.000	-.2937
19.000	-.2667
20.000	-.2562
21.000	-.2623
22.000	-.2673

DEPENDENT VARIABLE CP

TABLATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4EJ4)

IA68 CI F1 M(1) BASE REGIONS

MACH ( 4 ) = 1.991 ALPHA ( 4 ) = 1.910 RV/L = 13.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAF NC

1.000	-.2302
2.000	-.2287
3.000	-.2240
4.000	-.2240
5.000	.0000
6.000	-.2138
7.000	-.2166
8.000	-.2309
9.000	-.0062
10.000	-.0435
11.000	-.2254
12.000	-.2344
13.000	-.2148
14.000	.1929
15.000	.0860
16.000	-.2598
17.000	-.2968
18.000	-.2857
19.000	-.2603
20.000	-.2571
21.000	-.2531
22.000	-.2603

MACH ( 4 ) = 1.991 ALPHA ( 5 ) = 3.850 RV/L = 13.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAF NC

1.000	-.2263
2.000	-.2191
3.000	-.2249
4.000	-.2239
5.000	.0000
6.000	-.2088
7.000	-.2113
8.000	-.2240
9.000	-.0036
10.000	-.0277
11.000	-.2225
12.000	-.2419
13.000	-.2325
14.000	-.2160
15.000	.0235



TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF4EJ4)

BASE REGIONS

1A68 C1 F1 M1(1)

MAG ( 4 ) = 1.991 ALPHA ( 5 ) = 3.850

DEPENDENT VARIABLE CP

SECTION ( 1 ) BASE

X/L	1.0000
TAP NO	
16.000	-.2577
17.000	-.2938
18.000	-.2808
19.000	-.2601
20.000	-.2521
21.000	-.2504
22.000	-.2534

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



PARAMETRIC DATA

ALPHA = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000  
LREF = 1328.3000 IN. YMRP = .0000  
BREF = 1328.3000 IN. ZMRP = .0000  
SCALE = .0000

MACH ( 1 ) = .896 BETA ( 1 ) = -3.860 RV/L = 6.700

SECTION ( 1 ) BASE

X/L 1.0000

TAF NO	DEPENDENT VARIABLE OF
1.000	-.2261
2.000	-.2211
3.000	-.2210
4.000	-.2006
5.000	.0000
6.000	-.3305
7.000	-.3640
8.000	-.3777
9.000	-.3885
10.000	-.3451
11.000	-.3726
12.000	-.3648
13.000	-.3354
14.000	-.0531
15.000	-.3460
16.000	-.3638
17.000	-.3336
18.000	-.3745
19.000	-.3644
20.000	-.3543
21.000	-.3376
22.000	-.3710

MACH ( 2 ) = .896 BETA ( 2 ) = -1.880 RV/L = 6.700

SECTION ( 1 ) BASE

X/L 1.0000

TAF NO	DEPENDENT VARIABLE OF
1.000	-.1999
2.000	-.1986
3.000	-.1977
4.000	-.1897
5.000	.0000
6.000	-.3288
7.000	-.3313
8.000	-.3630



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(REFLECTS)

BASE REGIONS

1A68 C1 F1 M(1)

MACH ( 1 ) = .896 BETA ( 2 ) = -1.880

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAF NO	Y/L
9.000	-.3684
10.000	-.3526
11.000	-.3626
12.000	-.3574
13.000	-.3265
14.000	-.0546
15.000	-.3218
16.000	-.3534
17.000	-.3135
18.000	-.3609
19.000	-.3534
20.000	-.3421
21.000	-.3148
22.000	-.3565

MACH ( 1 ) = .896 BETA ( 3 ) = .030 RV/L = 6.700

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAF NO	Y/L
1.000	-.1902
2.000	-.1919
3.000	-.1835
4.000	-.1608
5.000	.0000
6.000	-.3624
7.000	-.2724
8.000	-.2852
9.000	-.3959
10.000	-.3524
11.000	-.2922
12.000	-.2974
13.000	-.3350
14.000	-.1470
15.000	-.2419
16.000	-.2948
17.000	-.2758
18.000	-.3154
19.000	-.3005
20.000	-.2786
21.000	-.2561
22.000	-.3015

DATE 03 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(REFLECT)

1A68 C1 F1 MI(1) BASE REGIONS

MACH ( 1 ) = .896 BETA ( 4 ) = 1.960 RV/L = 6.700

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
1.000	-.1978
2.000	-.1944
3.000	-.1826
4.000	-.1896
5.000	.0000
6.000	-.3105
7.000	-.3025
8.000	-.3228
9.000	-.3927
10.000	-.3715
11.000	-.3291
12.000	-.3379
13.000	-.3556
14.000	-.2067
15.000	-.2523
16.000	-.3027
17.000	-.2876
18.000	-.3216
19.000	-.3048
20.000	-.2870
21.000	-.2587
22.000	-.3076

MACH ( 1 ) = .896 BETA ( 5 ) = 3.910 RV/L = 6.700

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
1.000	-.2280
2.000	-.2243
3.000	-.2074
4.000	-.2027
5.000	.0000
6.000	-.3214
7.000	-.3311
8.000	-.3532
9.000	-.3937
10.000	-.3807
11.000	-.3539
12.000	-.3646
13.000	-.3877
14.000	-.1753
15.000	-.2647



DATE 03 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(REFUSED)

BASE REGIONS

1A68 CI F1 MI(1)

MACH ( 1 ) = .896 BETA ( 3 ) = 3.910

SECTION ( 1 )BASE

DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
16.000	-.2891
17.000	-.2966
18.000	-.3131
19.000	-.2942
20.000	-.2752
21.000	-.2358
22.000	-.3027

MACH ( 2 ) = 1.289 BETA ( 1 ) = -3.860 RML = 7.400

SECTION ( 1 )BASE

DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
1.000	-.2918
2.000	-.2876
3.000	-.2985
4.000	-.2860
5.000	.0000
6.000	-.3720
7.000	-.3945
8.000	-.4056
9.000	-.0417
10.000	-.0311
11.000	-.4152
12.000	-.4027
13.000	-.3690
14.000	.1600
15.000	-.1727
16.000	-.4589
17.000	-.4749
18.000	-.4784
19.000	-.4668
20.000	-.4421
21.000	-.4470
22.000	-.4593

TABLATED SOURCE DATA, R.I. TMT 231 - 1A58

BASE REGIONS

1A68 C1 F1 M(1) BASE REGIONS

MACH ( 2 ) = 1.209 BETA ( 2 ) = -1.950 RV/L = 7.400

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	Y/L
1.000	-.2857
2.000	-.2795
3.000	-.2868
4.000	-.2755
5.000	.0000
6.000	-.3544
7.000	-.3782
8.000	-.3750
9.000	-.0467
10.000	-.0778
11.000	-.4566
12.000	-.4019
13.000	-.3625
14.000	.1391
15.000	-.1720
16.000	-.4476
17.000	-.4604
18.000	-.4630
19.000	-.4527
20.000	-.4316
21.000	-.4355
22.000	-.4460

MACH ( 2 ) = 1.209 BETA ( 3 ) = -.040 RV/L = 7.400

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	Y/L
1.000	-.2800
2.000	-.2756
3.000	-.2900
4.000	-.2781
5.000	.0000
6.000	-.3519
7.000	-.3657
8.000	-.3742
9.000	-.0568
10.000	-.1016
11.000	-.4342
12.000	-.4072
13.000	-.3613
14.000	.0711
15.000	-.1692





DATE 01 OCT 74  
TABULATED SOURCE DATA, R.I. TWT 281 - 1A68  
1A68 CI F1 M1 (1) BASE REGIONS

(RFAEJ25)

MACH ( 2 ) = 1.209 BETA ( 3 ) = -.040

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
16.000	-.4360
17.000	-.4501
18.000	-.4624
19.000	-.4419
20.000	-.4205
21.000	-.4220
22.000	-.4334

MACH ( 2 ) = 1.209 BETA ( 4 ) = 1.870 RV/L = 7.400

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
1.000	-.2921
2.000	-.2858
3.000	-.2683
4.000	-.2758
5.000	.0000
6.000	-.3514
7.000	-.3788
8.000	-.3778
9.000	-.0384
10.000	-.1220
11.000	-.3843
12.000	-.3905
13.000	-.3868
14.000	.0266
15.000	-.1615
16.000	-.4172
17.000	-.4326
18.000	-.4509
19.000	-.4263
20.000	-.4030
21.000	-.3994
22.000	-.4145

REPRODUCIBILITY OF THIS ORIGINAL PAGE IS POOR

(RF4835)

TABLATED SOURCE DATA, R.I. TWT 281 - 1A68  
1A68 C1 F1 M1 (1) BASE REGIONS

MACH ( 2 ) = 1.209 BETA ( 5 ) = 3.920 RV/L = 7.400

DEPENDENT VARIABLE CP

SECTION ( 1 )BASE

X/L 1.0000

TAP NO
1.000
2.000
3.000
4.000
5.000
6.000
7.000
8.000
9.000
10.000
11.000
12.000
13.000
14.000
15.000
16.000
17.000
18.000
19.000
20.000
21.000
22.000

MACH ( 3 ) = 1.503 BETA ( 1 ) = -3.970 RV/L = 9.800

DEPENDENT VARIABLE CP

SECTION ( 1 )BASE

X/L 1.0000

TAP NO
1.000
2.000
3.000
4.000
5.000
6.000
7.000
8.000
9.000
10.000
11.000
12.000
13.000
14.000
15.000



TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(7F4E26)

BASE REGIONS

1A68 CI F1 M(1)

DATE 01 OCT 74

MACH ( 3 ) = 1.503 BETA ( 1 ) = -3.970

DEPENDENT VARIABLE CP

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	VALUE
16.000	-.3544
17.000	-.3678
18.000	-.3777
19.000	-.3554
20.000	-.3487
21.000	-.3451
22.000	-.3560

MACH ( 3 ) = 1.503 BETA ( 2 ) = -2.050 RM/L = 9.800

DEPENDENT VARIABLE CP

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.6323
2.000	-.2416
3.000	-.2560
4.000	-.2521
5.000	.0000
6.000	-.2913
7.000	-.3038
8.000	-.3109
9.000	-.0227
10.000	-.0653
11.000	-.3249
12.000	-.3204
13.000	-.2890
14.000	.1963
15.000	-.0076
16.000	-.3494
17.000	-.3592
18.000	-.3650
19.000	-.3500
20.000	-.3413
21.000	-.3391
22.000	-.3484

TABLATED SOURCE DATA, R.I. TMT 281 - IA69

(7F4605)

IA68 C1 F1 M1 (1) BASE REGIONS

MACH ( 3 ) = 1.503 BETA ( 3 ) = -.130 RV/L = 9.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	VALUE
1.000	-.6323
2.000	-.2477
3.000	-.2559
4.000	-.2569
5.000	.0000
6.000	-.3012
7.000	-.3106
8.000	-.3291
9.000	-.0269
10.000	-.0733
11.000	-.3159
12.000	-.3229
13.000	-.2989
14.000	.1468
15.000	-.0142
16.000	-.3417
17.000	-.3485
18.000	-.3555
19.000	-.3424
20.000	-.3318
21.000	-.3304
22.000	-.3398

MACH ( 3 ) = 1.503 BETA ( 4 ) = 1.800 RV/L = 9.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	VALUE
1.000	-.6323
2.000	-.2545
3.000	-.2463
4.000	-.2554
5.000	.0000
6.000	-.2944
7.000	-.3045
8.000	-.3169
9.000	-.0242
10.000	-.1084
11.000	-.3091
12.000	-.3210
13.000	-.3198
14.000	.1260
15.000	.0084



TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF4505)

BASE REGIONS

DATE 01 OCT 74

1A68 C1 F1 M1 (1)

MO1 ( 3) = 1.503 BETA ( 4) = 1.800

DEPENDENT VARIABLE OF

SECTION ( 1)BASE

X/L 1.0000

TAP NO	VALUE
16.000	-.3337
17.000	-.3409
18.000	-.3651
19.000	-.3345
20.000	-.3260
21.000	-.3207
22.000	-.3308

MO1 ( 3) = 1.503 BETA ( 5) = 3.840 RM/L = 9.800

SECTION ( 1)BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.6323
2.000	-.2761
3.000	-.2629
4.000	-.2652
5.000	.0000
6.000	-.2967
7.000	-.3090
8.000	-.3378
9.000	-.0094
10.000	-.1289
11.000	-.3082
12.000	-.3202
13.000	-.3193
14.000	.1332
15.000	.0225
16.000	-.3264
17.000	-.3339
18.000	-.3482
19.000	-.3308
20.000	-.3200
21.000	-.3141
22.000	-.3234

DEPENDENT VARIABLE OF

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RFBLS)

BASE REGIONS

1A68 C1 F1 M1(1)

BETA ( 1 ) = -3.790 RV/L = 13.800

BETA ( 4 ) = 1.991

DEPENDENT VARIABLE CP

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.2411
2.000	-.2428
3.000	-.2354
4.000	-.2186
5.000	.0000
6.000	-.2287
7.000	-.2288
8.000	-.2413
9.000	-.0051
10.000	-.0398
11.000	-.2355
12.000	-.2334
13.000	-.2239
14.000	.2366
15.000	.1064
16.000	-.2787
17.000	-.3053
18.000	-.2935
19.000	-.2782
20.000	-.2736
21.000	-.2693
22.000	-.2785

BETA ( 2 ) = -1.870 RV/L = 13.800

BETA ( 4 ) = 1.991

DEPENDENT VARIABLE CP

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.2456
2.000	-.2489
3.000	-.2348
4.000	-.2192
5.000	.0000
6.000	-.2233
7.000	-.2225
8.000	-.2337
9.000	-.0070
10.000	-.0534
11.000	-.2277
12.000	-.2263
13.000	-.2227
14.000	.2322
15.000	.0859



TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(GFASUS)

BASE REGIONS

1A68 C1 F1 M(1)

MACH ( 4 ) = 1.991 BETA ( 2 ) = -1.870

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO

- 16.000 -.2774
- 17.000 -.3073
- 18.000 -.2958
- 19.000 -.2776
- 20.000 -.2720
- 21.000 -.2661
- 22.000 -.2757

MACH ( 4 ) = 1.991 BETA ( 3 ) = -.010 RVL = 13.800

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO

- 1.000 -.2455
- 2.000 -.2582
- 3.000 -.2909
- 4.000 -.2220
- 5.000 .0000
- 6.000 -.2159
- 7.000 -.2220
- 8.000 -.2296
- 9.000 -.0079
- 10.000 -.0805
- 11.000 -.2253
- 12.000 -.2246
- 13.000 -.2214
- 14.000 .1805
- 15.000 .1221
- 16.000 -.2671
- 17.000 -.3023
- 18.000 -.2946
- 19.000 -.2679
- 20.000 -.2675
- 21.000 -.2630
- 22.000 -.2685

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABLULATED SOURCE DATA, R.I. TMT 281 - 1A68

(3F4EJF)

BASE REGIONS

1A68 C1 F1 M1(1)

RVL = 13.800

BETA ( 4 ) = 1.991

BETA ( 4 ) = 1.950

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
1.000	-.2406
2.000	-.2427
3.000	-.2307
4.000	-.2269
5.000	.0000
6.000	-.2166
7.000	-.2166
8.000	-.2137
9.000	-.0057
10.000	-.0604
11.000	-.2219
12.000	-.2189
13.000	-.2208
14.000	.1507
15.000	.1894
16.000	-.2559
17.000	-.2834
18.000	-.2788
19.000	-.2532
20.000	-.2554
21.000	-.2491
22.000	-.2570

RVL = 13.800

BETA ( 5 ) = 3.790

BETA ( 5 ) = 1.991

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
1.000	-.2317
2.000	-.2289
3.000	-.2262
4.000	-.2198
5.000	.0000
6.000	-.2202
7.000	-.2167
8.000	-.2173
9.000	.0052
10.000	-.0775
11.000	-.2230
12.000	-.2202
13.000	-.2199
14.000	.0943
15.000	.1657





DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(ZPABUS)

BASE REGIONS

1A68 C1 F1 M1(1)

MACH ( 4 ) = 1.991 BETA ( 5 ) = 3.790

SECTION ( 1 )BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NC	
16.000	-.2419
17.000	-.2529
18.000	-.2608
19.000	-.2407
20.000	-.2383
21.000	-.2318
22.000	-.2412



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TABULATED SOURCE DATA, R.I. TMT 281 - 1A58

PAGE 04

IA68 CI F1 M2(1)

BASE REGIONS

(ZFAEUB) (19 SEP 73)

REFERENCE DATA

SREF = 2690.0000 SAJFT. XMRP = .0000  
LREF = 1328.3000 IN. YMRP = .0000  
BREF = 1328.3000 IN. ZMRP = .0000  
SCALE = .0240

PARAMETRIC DATA

BETA = .000

MACH ( 1 ) = .896 ALPHA ( 1 ) = .000 RV/L = 6.500

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO

- 1.000 -.2034
- 2.000 -.1989
- 3.000 -.1869
- 4.000 -.1844
- 5.000 .0000
- 6.000 -.3521
- 7.000 -.2737
- 8.000 -.2847
- 9.000 -.4156
- 10.000 -.3716
- 11.000 -.2938
- 12.000 -.3090
- 13.000 -.3331
- 14.000 -.1131
- 15.000 -.2741
- 16.000 -.2782
- 17.000 -.2834
- 18.000 -.3166
- 19.000 -.2860
- 20.000 -.2632
- 21.000 -.2430
- 22.000 -.2962

MACH ( 2 ) = 1.223 ALPHA ( 1 ) = .000 RV/L = 7.300

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO

- 1.000 -.2967
- 2.000 -.2866
- 3.000 -.2895
- 4.000 -.2858
- 5.000 .0000
- 6.000 -.3629
- 7.000 -.3902
- 8.000 -.3891



(R24E36)

TABULATED SOURCE DATA, R.I. TWT 281 - IAGS

BASE REGIONS

IAGS C1 F1 M2(1)

MACH ( 2 ) = 1.223 ALPHA ( 1 ) = .000

DEPENDENT VARIABLE CP

SECTION ( 1)BASE

X/L 1.0000

TAP NO	CP
9.000	-.1138
10.000	-.1432
11.000	-.4074
12.000	-.4091
13.000	-.3748
14.000	.0900
15.000	-.1554
16.000	-.4299
17.000	-.4480
18.000	-.4546
19.000	-.4403
20.000	-.4165
21.000	-.4132
22.000	-.4350

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

(REF:4807) ( 13 -PI 74 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XGRP = .0000  
LREF = 1328.3000 IN. YGRP = .0000  
BREF = 1328.3000 IN. ZGRP = .0000  
SCALE = .0040

PARAMETRIC DATA

BETA = .000

MACH ( 1 ) = .896 ALPHA ( 1 ) = -3.870 RV/L = 6.600

SECTION ( 1)BASE

DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	CP
1.000	-.2241
2.000	-.2280
3.000	-.2171
4.000	-.2070
5.000	.0000
6.000	-.3393
7.000	-.3217
8.000	-.3591
9.000	-.4711
10.000	-.4160
11.000	-.3636
12.000	-.3672
13.000	-.3834
14.000	-.1969
15.000	-.2368
16.000	-.3472
17.000	-.3017
18.000	-.3377
19.000	-.3522
20.000	-.3334
21.000	-.3140
22.000	-.3531

MACH ( 1 ) = .896 ALPHA ( 2 ) = -1.920 RV/L = 6.600

SECTION ( 1)BASE

DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	CP
1.000	-.2075
2.000	-.2127
3.000	-.2066
4.000	-.1912
5.000	.0000
6.000	-.3589
7.000	-.2895
8.000	-.2969



TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(REF:077)

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

DATE 01 OCT 74

MACH ( 1 ) = .896 ALPHA ( 2 ) = -1.920

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
9.000	-.4301
10.000	-.3603
11.000	-.3061
12.000	-.3377
13.000	-.3703
14.000	-.1912
15.000	-.1826
16.000	-.3442
17.000	-.3190
18.000	-.3620
19.000	-.3506
20.000	-.3300
21.000	-.3088
22.000	-.3497

MACH ( 1 ) = .896 ALPHA ( 3 ) = .000 RV/L = 6.600

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
1.000	-.1984
2.000	-.2089
3.000	-.1927
4.000	-.1829
5.000	.0000
6.000	-.3462
7.000	-.2687
8.000	-.2655
9.000	-.4054
10.000	-.3321
11.000	-.2744
12.000	-.2936
13.000	-.3292
14.000	-.1614
15.000	-.1282
16.000	-.3241
17.000	-.3097
18.000	-.3489
19.000	-.3356
20.000	-.3080
21.000	-.2841
22.000	-.3322



TABLULATED SOURCE DATA, R.I. TWT 281 - 1A68

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

MAGN ( 1 ) = .896 ALPHA ( 4 ) = 1.890 R/VL = 6.600

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	X/L
1.000	-.2000
2.000	-.2035
3.000	-.1953
4.000	-.1893
5.000	-.0000
6.000	-.2974
7.000	-.2877
8.000	-.3112
9.000	-.3857
10.000	-.3286
11.000	-.3132
12.000	-.3123
13.000	-.2983
14.000	-.1345
15.000	-.1009
16.000	-.3227
17.000	-.3248
18.000	-.3512
19.000	-.3265
20.000	-.3129
21.000	-.2863
22.000	-.3392

MAGN ( 1 ) = .896 ALPHA ( 5 ) = 3.790 R/VL = 6.600

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	X/L
1.000	-.2390
2.000	-.2024
3.000	-.2022
4.000	-.1976
5.000	-.0000
6.000	-.2982
7.000	-.3567
8.000	-.3323
9.000	-.3691
10.000	-.3114
11.000	-.3345
12.000	-.3329
13.000	-.3046
14.000	-.1045
15.000	-.1336



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REF4EJ77

TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

MA-1 ( 1 ) = .696 ALPHA ( 5 ) = 3.790

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO
16.000
17.000
18.000
19.000
20.000
21.000
22.000

MAC1 ( 2 ) = 1.206 ALPHA ( 1 ) = -3.950 RVL = 7.400

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO
1.000
2.000
3.000
4.000
5.000
6.000
7.000
8.000
9.000
10.000
11.000
12.000
13.000
14.000
15.000
16.000
17.000
18.000
19.000
20.000
21.000
22.000

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - IA68

IA68 C1 F1 M2(1) + FILLET BASE REGIONS

(RESULTS)

MACH ( 2 ) = 1.206 ALPHA ( 2 ) = -2.000 RV/L = 7.400

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	
1.000	-.3006
2.000	-.2922
3.000	-.2976
4.000	-.2772
5.000	.0000
6.000	-.3835
7.000	-.3973
8.000	-.4060
9.000	-.1384
10.000	-.0924
11.000	-.4043
12.000	-.3966
13.000	-.3939
14.000	.0555
15.000	-.0551
16.000	-.4334
17.000	-.4372
18.000	-.4573
19.000	-.4391
20.000	-.4208
21.000	-.4067
22.000	-.4327

MACH ( 2 ) = 1.206 ALPHA ( 3 ) = -.070 RV/L = 7.400

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	
1.000	-.2878
2.000	-.2759
3.000	-.2887
4.000	-.2717
5.000	.0000
6.000	-.3695
7.000	-.3713
8.000	-.3923
9.000	-.1199
10.000	-.0927
11.000	-.4029
12.000	-.3941
13.000	-.3744
14.000	.0643
15.000	-.0172





DATE 01 OCT 74 TABULATED SOURCE DATA, R.J. TMT 281 - 1A68

(RESULT)

IA68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH ( 2) = 1.206 ALPHA ( 3) = -.070

DEPENDENT VARIABLE CP

SECTION ( 1)BASE

X/L 1.0000

TAP NO	
16.000	-.4230
17.000	-.4386
18.000	-.4535
19.000	-.4298
20.000	-.4092
21.000	-.4007
22.000	-.4240

MACH ( 2) = 1.206 ALPHA ( 4) = 1.870 RV/L = 7.400

SECTION ( 1)BASE

X/L 1.0000

TAP NO	
1.000	-.2817
2.000	-.2753
3.000	-.2881
4.000	-.2770
5.000	.0000
6.000	-.3559
7.000	-.3569
8.000	-.3945
9.000	-.0939
10.000	-.0385
11.000	-.4053
12.000	-.4009
13.000	-.3584
14.000	.0649
15.000	.0770
16.000	-.3966
17.000	-.4158
18.000	-.4262
19.000	-.4597
20.000	-.3835
21.000	-.3843
22.000	-.4025



DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TMT 281 - 1A69

5-13E 66

(8F4537)

1A69 C1 F1 M2(1) + FILLET BASE REGIONS

MACH ( 2 ) = 1.206 ALPHA ( 5 ) = 3.850 RV/L = 7.400

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	
1.000	-.2687
2.000	-.2757
3.000	-.2956
4.000	-.2817
5.000	.0000
6.000	-.3528
7.000	-.3492
8.000	-.3750
9.000	-.0505
10.000	-.0224
11.000	-.3958
12.000	-.4031
13.000	-.3672
14.000	.0682
15.000	.0601
16.000	-.4030
17.000	-.4288
18.000	-.4220
19.000	-.4164
20.000	-.3941
21.000	-.4032
22.000	-.4024

MACH ( 3 ) = 1.503 ALPHA ( 1 ) = -3.850 RV/L = 9.500

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	
1.000	-.2481
2.000	-.2710
3.000	-.2533
4.000	-.2299
5.000	.0000
6.000	-.3105
7.000	-.3250
8.000	-.3393
9.000	-.0698
10.000	-.5812
11.000	-.3316
12.000	-.3442
13.000	-.3320
14.000	.5843
15.000	-.0042



DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

PAGE 67

1A68 CI F1 M2(1) + FILLET BASE REGIONS

(RF45J7)

MACH ( 3) = 1.503 ALPHA ( 1) = -3.850

SECTION ( 1)BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
16.000	-.3593
17.000	-.3872
18.000	-.3918
19.000	-.3632
20.000	-.3492
21.000	-.3428
22.000	-.3611

MACH ( 3) = 1.503 ALPHA ( 2) = -1.900 RV/L = 9.600

SECTION ( 1)BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
1.000	-.2576
2.000	-.2716
3.000	-.2549
4.000	-.2378
5.000	.0000
6.000	-.3135
7.000	-.3248
8.000	-.3348
9.000	-.0798
10.000	-.0801
11.000	-.3309
12.000	-.3332
13.000	-.3295
14.000	.0879
15.000	.0151
16.000	-.3526
17.000	-.3709
18.000	-.3917
19.000	-.3541
20.000	-.3443
21.000	-.3404
22.000	-.3536

TABLULATED SOURCE DATA, R.I. TWT 281 - 1A68

(REF:507)

DATE 01 OCT 74

1A68 C1 F1 M2(1) + FILLET EASE REGIONS

MACH (3) = 1.503 ALPHA (3) = .010 RV/L = 9.600

DEPENDENT VARIABLE CP

SECTION (1)BASE

X/L 1.0000

TAF NO	CP
1.000	-.2585
2.000	-.2633
3.000	-.2523
4.000	-.2437
5.000	.0000
6.000	-.3105
7.000	-.3164
8.000	-.3309
9.000	-.0614
10.000	-.0456
11.000	-.3213
12.000	-.3244
13.000	-.3237
14.000	-.1042
15.000	.0336
16.000	-.3136
17.000	-.3652
18.000	-.3826
19.000	-.3552
20.000	-.3448
21.000	-.3396
22.000	-.3519

MACH (3) = 1.503 ALPHA (4) = 1.940 RV/L = 9.600

DEPENDENT VARIABLE CP

SECTION (1)BASE

X/L 1.0000

TAF NO	CP
1.000	-.2539
2.000	-.2447
3.000	-.2543
4.000	-.2541
5.000	.0000
6.000	-.3054
7.000	-.3130
8.000	-.3312
9.000	-.0378
10.000	-.0080
11.000	-.3274
12.000	-.3371
13.000	-.3264
14.000	.1368
15.000	.0517



DATE 01 OCT 74  
TABULATED SOURCE DATA, R.I. TMT 281 - 1A68  
1A68 C1 F1 M2(1) + FILLET BASE REGIONS  
(P4E27)

MACH ( 3 ) = 1.503 ALPHA ( 4 ) = 1.940

SECTION ( 1 ) BASE  
DEPENDENT VARIABLE CP

X/L	1.0000
TAP NO	
16.000	-.3402
17.000	-.3554
18.000	-.3595
19.000	-.3442
20.000	-.3317
21.000	-.3340
22.000	-.3439

MACH ( 3 ) = 1.503 ALPHA ( 5 ) = 3.810 RM/L = 9.600

SECTION ( 1 ) BASE  
DEPENDENT VARIABLE CP

X/L	1.0000
TAP NO	
1.000	-.2441
2.000	-.2314
3.000	-.2321
4.000	-.2515
5.000	.0000
6.000	-.2932
7.000	-.2994
8.000	-.3173
9.000	-.0124
10.000	.0073
11.000	-.3228
12.000	-.3270
13.000	-.2967
14.000	.1815
15.000	.0573
16.000	-.3357
17.000	-.3596
18.000	-.3633
19.000	-.3428
20.000	-.3277
21.000	-.3289
22.000	-.3439

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(CF4507)

1A69 C1 F1 M(1) + FILLET BASE REGIONS

MACH (4) = 1.991 ALPHA (1) = -4.080 RVL = 10.600

SECTION (1)BASE

X/L 1.0000

TAP NO

- 1.000 -.2236
- 2.000 -.2205
- 3.000 -.1983
- 4.000 -.2038
- 5.000 .0000
- 6.000 -.2405
- 7.000 -.2319
- 8.000 -.2350
- 9.000 -.0511
- 10.000 -.0023
- 11.000 -.2305
- 12.000 -.2360
- 13.000 -.2359
- 14.000 .1641
- 15.000 .1453
- 16.000 -.2441
- 17.000 -.2585
- 18.000 -.2600
- 19.000 -.2461
- 20.000 -.2372
- 21.000 -.2393
- 22.000 -.2432

MACH (4) = 1.991 ALPHA (2) = -1.900 RVL = 10.600

SECTION (1)BASE

X/L 1.0000

TAP NO

- 1.000 -.2298
- 2.000 -.2250
- 3.000 -.2029
- 4.000 -.2046
- 5.000 .0000
- 6.000 -.2282
- 7.000 -.2278
- 8.000 -.2365
- 9.000 -.0360
- 10.000 -.0117
- 11.000 -.2362
- 12.000 -.2545
- 13.000 -.2220
- 14.000 .1649
- 15.000 .1293



DATE 01 OCT 74  
 TABULATED SOURCE DATA, R.I. TWT 281 - IA69  
 IA69 CI F1 M2(1) + FILLET BASE REGIONS

(REF:EDJ7)

MACH ( 4 ) = 1.991 ALPHA ( 2 ) = -1.900

DEPENDENT VARIABLE OF

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	Value
16.000	-.2485
17.000	-.2643
18.000	-.2632
19.000	-.2487
20.000	-.2419
21.000	-.2406
22.000	-.2459

MACH ( 4 ) = 1.991 ALPHA ( 3 ) = .100 RV/L = 10.600

DEPENDENT VARIABLE OF

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	Value
1.000	-.2234
2.000	-.2166
3.000	-.2124
4.000	-.2145
5.000	.0000
6.000	-.2223
7.000	-.2243
8.000	-.2356
9.000	-.0239
10.000	.0129
11.000	-.2308
12.000	-.2509
13.000	-.2193
14.000	.1621
15.000	.1413
16.000	-.2583
17.000	-.2956
18.000	-.2840
19.000	-.2589
20.000	-.2554
21.000	-.2537
22.000	-.2590

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(REF:57)

IA68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH ( 4 ) = 1.991 ALPHA ( 4 ) = 2.120 RV/L = 10.600

DEPENDENT VARIABLE OF

SECTION ( 1)BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.2203
2.000	-.2188
3.000	-.2192
4.000	-.2201
5.000	.0000
6.000	-.2178
7.000	-.2211
8.000	-.2328
9.000	-.0164
10.000	.0252
11.000	-.2346
12.000	-.2464
13.000	-.2171
14.000	.1736
15.000	.1020
16.000	-.2560
17.000	-.2887
18.000	-.2796
19.000	-.2581
20.000	-.2528
21.000	-.2480
22.000	-.2571

MACH ( 4 ) = 1.991 ALPHA ( 5 ) = 4.070 RV/L = 10.600

DEPENDENT VARIABLE OF

SECTION ( 1)BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.2170
2.000	-.2173
3.000	-.2124
4.000	-.2186
5.000	.0000
6.000	-.2154
7.000	-.2180
8.000	-.2261
9.000	-.0541
10.000	.0495
11.000	-.2319
12.000	-.2444
13.000	-.2168
14.000	.1999
15.000	.0508





DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - IA68

(REF 507)

IA68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH ( 4 ) = 1.991 ALPHA ( 5 ) = 4.070

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L	1.0000
TAP NO	
16.000	-.2483
17.000	-.2797
18.000	-.2738
19.000	-.2519
20.000	-.2474
21.000	-.2418
22.000	-.2497

MEMORIAL FACILITY



TABULATED SOURCE DATA, R.I. TMT 281 - 1A68  
 1A68 C1 F1 M2(1) + FILLET BASE REGIONS

REFERENCE DATA

SREF = 2680.0000 SQ.FT. XMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

ALPHA = .0200

MACH ( 1 ) = .896 BETA ( 1 ) = -3.930 RWL = 6.700

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	X/L
1.000	-.2403
2.000	-.2370
3.000	-.2334
4.000	-.2187
5.000	.0000
6.000	-.3310
7.000	-.3469
8.000	-.3734
9.000	-.4269
10.000	-.3569
11.000	-.3650
12.000	-.3564
13.000	-.3305
14.000	-.0324
15.000	-.2850
16.000	-.3932
17.000	-.3402
18.000	-.3939
19.000	-.3919
20.000	-.3942
21.000	-.3534
22.000	-.3920

MACH ( 2 ) = .896 BETA ( 2 ) = -1.950 RWL = 6.700

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	X/L
1.000	-.2207
2.000	-.2206
3.000	-.2161
4.000	-.2037
5.000	.0000
6.000	-.3062
7.000	-.3163
8.000	-.3404



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(REFUR)

1A68 CI F1 M2(1) + FILLET BASE REGIONS

MACH ( 1 ) = .896 BETA ( 2 ) = -1.950

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NC	
9.000	-.4136
10.000	-.3370
11.000	-.3357
12.000	-.3288
13.000	-.3065
14.000	-.0781
15.000	-.1667
16.000	-.3638
17.000	-.3259
18.000	-.3714
19.000	-.3626
20.000	-.3530
21.000	-.3244
22.000	-.3663

MACH ( 1 ) = .896 BETA ( 3 ) = -.000 RV/L = 6.700

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NC	
1.000	-.2020
2.000	-.2123
3.000	-.1972
4.000	-.1840
5.000	.0000
6.000	-.3450
7.000	-.2665
8.000	-.2732
9.000	-.4051
10.000	-.3299
11.000	-.2782
12.000	-.2936
13.000	-.3247
14.000	-.1551
15.000	-.1236
16.000	-.3232
17.000	-.3079
18.000	-.3479
19.000	-.3313
20.000	-.3283
21.000	-.2858
22.000	-.3311



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - IAS8

IAS8 C1 F1 M(1) + FILLET BASE REGIONS

MACH ( 1 ) = .896 BETA ( 4 ) = 1.880 RVL = 6.700

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	
1.000	-.1954
2.000	-.2024
3.000	-.1863
4.000	-.1765
5.000	-.0000
6.000	-.3431
7.000	-.2759
8.000	-.2752
9.000	-.4005
10.000	-.3324
11.000	-.2934
12.000	-.3288
13.000	-.3563
14.000	-.1820
15.000	-.1285
16.000	-.3163
17.000	-.3245
18.000	-.3477
19.000	-.3248
20.000	-.3025
21.000	-.2806
22.000	-.3309

MACH ( 1 ) = .896 BETA ( 5 ) = 3.810 RVL = 6.700

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	
1.000	-.2104
2.000	-.2128
3.000	-.1921
4.000	-.1817
5.000	-.0000
6.000	-.3176
7.000	-.3109
8.000	-.3339
9.000	-.4121
10.000	-.3397
11.000	-.3450
12.000	-.3548
13.000	-.3750
14.000	-.1763
15.000	-.1364



TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF48DR)

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH ( 1 ) = .896 BETA ( 5 ) = 3.810

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	VALUE
16.000	-.2924
17.000	-.3028
18.000	-.3230
19.000	-.2986
20.000	-.2774
21.000	-.2489
22.000	-.3104

MACH ( 2 ) = 1.210 BETA ( 1 ) = -3.880 RVL = 7.500

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.3065
2.000	-.2983
3.000	-.3040
4.000	-.2794
5.000	.0000
6.000	-.3680
7.000	-.3699
8.000	-.4006
9.000	-.1317
10.000	-.0633
11.000	-.4036
12.000	-.3956
13.000	-.3572
14.000	.2009
15.000	-.0274
16.000	-.4614
17.000	-.4765
18.000	-.4925
19.000	-.4692
20.000	-.4483
21.000	-.4405
22.000	-.4655



TABULATED SOURCE DATA, R.I. TWT 281 - IA69

REF: 281

IA69 C1 F1 M2(1) + FILLET BASE REGIONS

MACH ( 2 ) = 1.210 BETA ( 2 ) = -1.830 RV/L = 7.500

DEPENDENT VARIABLE CP

SECTION ( 1 )BASE

X/L 1.0000

TAF NO	CP
1.000	-.2848
2.000	-.2809
3.000	-.2834
4.000	-.2638
5.000	.0000
6.000	-.3493
7.000	-.3637
8.000	-.3872
9.000	-.1231
10.000	-.0839
11.000	-.4023
12.000	-.3988
13.000	-.3538
14.000	.1109
15.000	-.0659
16.000	-.4390
17.000	-.4509
18.000	-.4722
19.000	-.4461
20.000	-.4256
21.000	-.4179
22.000	-.4400

MACH ( 2 ) = 1.210 BETA ( 3 ) = .140 RV/L = 7.500

DEPENDENT VARIABLE CP

SECTION ( 1 )BASE

X/L 1.0000

TAF NO	CP
1.000	-.2868
2.000	-.2759
3.000	-.2875
4.000	-.2670
5.000	.0000
6.000	-.3673
7.000	-.3731
8.000	-.3872
9.000	-.1181
10.000	-.0921
11.000	-.3951
12.000	-.3868
13.000	-.3772
14.000	.0629
15.000	-.0251



(CPAGE)

1A68 CI F1 M(1) + FILLET BASE REGIONS

MACH ( 2 ) = 1.210 BETA ( 3 ) = .140

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
16.000	-.4168
17.000	-.4269
18.000	-.4498
19.000	-.4255
20.000	-.4023
21.000	-.3958
22.000	-.4176

MACH ( 2 ) = 1.210 BETA ( 4 ) = 2.130 R/V/L = 7.500

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
1.000	-.3088
2.000	-.2986
3.000	-.2906
4.000	-.2710
5.000	.0000
6.000	-.3651
7.000	-.3785
8.000	-.3907
9.000	-.1283
10.000	-.0930
11.000	-.3957
12.000	-.3858
13.000	-.3911
14.000	.0614
15.000	-.0244
16.000	-.4007
17.000	-.4140
18.000	-.4329
19.000	-.4112
20.000	-.3862
21.000	-.3826
22.000	-.4010



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - IA68

(REFLECT)

IA68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH ( 2 ) = 1.210 BETA ( 5 ) = 4.070 RVL = 7.500

DEPENDENT VARIABLE CP

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	CP
1.000	-.3383
2.000	-.3382
3.000	-.3092
4.000	-.2920
5.000	.0000
6.000	-.3692
7.000	-.3756
8.000	-.3952
9.000	-.0821
10.000	-.0934
11.000	-.4036
12.000	-.4001
13.000	-.4047
14.000	.0374
15.000	-.0404
16.000	-.3876
17.000	-.4055
18.000	-.4211
19.000	-.4028
20.000	-.3699
21.000	-.3703
22.000	-.3910

MACH ( 3 ) = 1.991 BETA ( 1 ) = -3.800 RVL = 10.600

DEPENDENT VARIABLE CP

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	CP
1.000	-.2206
2.000	-.2263
3.000	-.2028
4.000	-.2130
5.000	.0000
6.000	-.2303
7.000	-.2297
8.000	-.2413
9.000	-.0319
10.000	-.0204
11.000	-.2416
12.000	-.2542
13.000	-.2314
14.000	.2213
15.000	.1027





TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(REAR)

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

DATE 01 OCT 74

MACH ( 3 ) = 1.991 BETA ( 1 ) = -3.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L	1.0000
TAP NO	
16.000	-.2808
17.000	-.3070
18.000	-.2987
19.000	-.2821
20.000	-.2760
21.000	-.2739
22.000	-.2794

MACH ( 3 ) = 1.991 BETA ( 2 ) = -1.760 RM/L = 10.600

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L	1.0000
TAP NO	
1.000	-.2141
2.000	-.2154
3.000	-.2055
4.000	-.2107
5.000	.0000
6.000	-.2219
7.000	-.2201
8.000	-.2337
9.000	-.0268
10.000	-.0036
11.000	-.2301
12.000	-.2473
13.000	-.2189
14.000	.1837
15.000	.1222
16.000	-.2717
17.000	-.3019
18.000	-.2928
19.000	-.2722
20.000	-.2669
21.000	-.2651
22.000	-.2722



DATE 01 OCT 74  
TABULATED SOURCE DATA, R.I. TMT 281 - 1A68  
(RF4525)

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH ( 3 ) = 1.991 BETA ( 3 ) = .210 RVL = 10.600

DEPENDENT VARIABLE CP

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.2242
2.000	-.2153
3.000	-.2104
4.000	-.2146
5.000	.0000
6.000	-.2214
7.000	-.2254
8.000	-.2355
9.000	-.0249
10.000	.0130
11.000	-.2314
12.000	-.2521
13.000	-.2162
14.000	.1611
15.000	.1523
16.000	-.2592
17.000	-.2973
18.000	-.2862
19.000	-.2593
20.000	-.2556
21.000	-.2541
22.000	-.2601

MACH ( 3 ) = 1.991 BETA ( 4 ) = 2.160 RVL = 10.600

DEPENDENT VARIABLE CP

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.2337
2.000	-.2319
3.000	-.2199
4.000	-.2250
5.000	.0000
6.000	-.2361
7.000	-.2294
8.000	-.2303
9.000	-.0335
10.000	.0073
11.000	-.2338
12.000	-.2362
13.000	-.2297
14.000	.1474
15.000	.1604



DATE 01 OCT 74  
TABULATED SOURCE DATA, R.I. TMT 201 - 1A68  
1A68 C1 F1 M2(1) + FILLET BASE REGIONS

(SF4208)

MACH ( 3 ) = 1.991 BETA ( 4 ) = 2.160

DEPENDENT VARIABLE CP

SECTION ( 1 ) BASE

X/L	1.0000
TAP NO	
16.000	-.2460
17.000	-.2834
18.000	-.2723
19.000	-.2455
20.000	-.2429
21.000	-.2412
22.000	-.2467

MACH ( 3 ) = 1.991 BETA ( 5 ) = 4.060 RV/L = 10.600

DEPENDENT VARIABLE CP

SECTION ( 1 ) BASE

X/L	1.0000
TAP NO	
1.000	-.2431
2.000	-.2315
3.000	-.2191
4.000	-.2274
5.000	.0000
6.000	-.2419
7.000	-.2331
8.000	-.2334
9.000	-.0470
10.000	.0038
11.000	-.2362
12.000	-.2350
13.000	-.2292
14.000	.1345
15.000	.1256
16.000	-.2334
17.000	-.2614
18.000	-.2579
19.000	-.2319
20.000	-.2299
21.000	-.2239
22.000	-.2336

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABLATED SOURCE DATA, R.I. TWT 281 - 1A69

(REVISION) ( 19 APR 74 )

1A69 C1 F1 M3(1) M4(1) BASE REGIONS

PARAMETRIC DATA

BETA = .000

DATE 01 OCT 74

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000  
 LGEF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

MACH ( 1 ) = .896 ALPHA ( 1 ) = -3.900 RVL = 6.500  
 ALPHA ( 2 ) = -1.940 RVL = 6.500

DEPENDENT VARIABLE OF

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	X/L
1.000	-.1953
2.000	-.2139
3.000	-.1929
4.000	-.1572
5.000	.0000
6.000	-.3719
7.000	-.2767
8.000	-.2856
9.000	-.4258
10.000	-.3682
11.000	-.2910
12.000	-.3006
13.000	-.3512
14.000	-.1158
15.000	-.1955
16.000	-.3018
17.000	-.3049
18.000	-.3195
19.000	-.3362
20.000	-.3188
21.000	-.2969
22.000	-.3351

MACH ( 1 ) = .896 ALPHA ( 2 ) = -1.940 RVL = 6.500  
 ALPHA ( 2 ) = -1.940 RVL = 6.500

DEPENDENT VARIABLE OF

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	X/L
1.000	-.1887
2.000	-.2033
3.000	-.1832
4.000	-.1569
5.000	.0000
6.000	-.3606
7.000	-.2654
8.000	-.2727



TABLATED SOURCE DATA, R.I. TMT 281 - 1A63

(REFLECT)

1A63 C1 F1 M3(1), M4(1) BASE REGIONS

DATE 01 OCT 74

MACH ( 1 ) = .896 ALPHA ( 2 ) = -1.940

DEPENDENT VARIABLE CP

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	CP
9.000	-.4096
10.000	-.3527
11.000	-.2788
12.000	-.2915
13.000	-.3400
14.000	-.1212
15.000	-.1773
16.000	-.3182
17.000	-.2987
18.000	-.3209
19.000	-.3246
20.000	-.3042
21.000	-.2789
22.000	-.3229

MACH ( 1 ) = .896 ALPHA ( 3 ) = .000 RV/L = 6.500

DEPENDENT VARIABLE CP

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	CP
1.000	-.1815
2.000	-.1927
3.000	-.1747
4.000	-.1594
5.000	.0000
6.000	-.3560
7.000	-.2581
8.000	-.2672
9.000	-.3962
10.000	-.3450
11.000	-.2732
12.000	-.2892
13.000	-.3343
14.000	-.1185
15.000	-.1920
16.000	-.3087
17.000	-.2945
18.000	-.3263
19.000	-.3148
20.000	-.2942
21.000	-.2686
22.000	-.3156

(3F4E05)

TABLATED SOURCE DATA, R.I. TWT 281 - 1A63

1A63 C1 F1 M0(1) M4(1) BASE REGIONS

MACH ( 1 ) = .896 ALPHA ( 4 ) = 1.910 RVL = 6.500

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
1.000	-.1804
2.000	-.1869
3.000	-.1704
4.000	-.1641
5.000	.0000
6.000	-.3647
7.000	-.2607
8.000	-.2705
9.000	-.3892
10.000	-.3413
11.000	-.2774
12.000	-.2899
13.000	-.3362
14.000	-.1170
15.000	-.2242
16.000	-.3010
17.000	-.2926
18.000	-.3164
19.000	-.3066
20.000	-.2861
21.000	-.2569
22.000	-.3091

MACH ( 1 ) = .896 ALPHA ( 5 ) = 3.840 RVL = 6.500

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
1.000	-.1795
2.000	-.1829
3.000	-.1697
4.000	-.1670
5.000	.0000
6.000	-.3726
7.000	-.2645
8.000	-.2803
9.000	-.3850
10.000	-.3471
11.000	-.2885
12.000	-.2937
13.000	-.3391
14.000	-.1151
15.000	-.2799



TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(TF-5225)

1A68 CI F1 M3(1) M4(1) BASE REGIONS

DATE 01 OCT 74

MACH ( 1 ) = .856 ALPHA ( 5 ) = 3.840

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L	1.0000
TAP NO	
16.000	-.3136
17.000	-.3027
18.000	-.3183
19.000	-.3171
20.000	-.2957
21.000	-.2597
22.000	-.3204

MACH ( 2 ) = 1.208 ALPHA ( 1 ) = -3.940 RV/L = 7.200

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L	1.0000
TAP NO	
1.000	-.3056
2.000	-.2910
3.000	-.3102
4.000	-.3017
5.000	.0000
6.000	-.3973
7.000	-.4086
8.000	-.4268
9.000	-.1084
10.000	-.1149
11.000	-.4437
12.000	-.4459
13.000	-.4053
14.000	-.1043
15.000	-.0897
16.000	-.4833
17.000	-.4922
18.000	-.5055
19.000	-.4866
20.000	-.4721
21.000	-.4646
22.000	-.4796

TABLATED SOURCE DATA, R.I. TMT 281 - IA68

(REF 4528)

IA68 C1 F1 M3(1) M4(1) BASE REGIONS

MACH ( 2) = 1.209 ALPHA ( 2) = -1.960 RV/L = 7.200

DEPENDENT VARIABLE CP

SECTION ( 1)BASE

X/L 1.0000

TAP NO	CP
1.000	-.2927
2.000	-.2813
3.000	-.3034
4.000	-.2883
5.000	.0000
6.000	-.3721
7.000	-.3836
8.000	-.3953
9.000	-.0854
10.000	-.1235
11.000	-.4159
12.000	-.4218
13.000	-.3816
14.000	.0997
15.000	-.0854
16.000	-.4633
17.000	-.4792
18.000	-.4909
19.000	-.4681
20.000	-.4498
21.000	-.4482
22.000	-.4602

MACH ( 2) = 1.209 ALPHA ( 3) = -.050 RV/L = 7.200

DEPENDENT VARIABLE CP

SECTION ( 1)BASE

X/L 1.0000

TAP NO	CP
1.000	-.2933
2.000	-.2832
3.000	-.3064
4.000	-.2932
5.000	.0000
6.000	-.3654
7.000	-.3732
8.000	-.3928
9.000	-.0291
10.000	-.0729
11.000	-.4152
12.000	-.4234
13.000	-.3792
14.000	.0849
15.000	-.0873





DATE 01 OCT 74 TASSULATED SOURCE DATA, R.I. TWT 291 - IAS3  
IAGS CI F1 M3(1), M4(1) BASE REGIONS

MACH ( 2 ) = 1.209 ALPHA ( 3 ) = -.030

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO.	
16.000	-.4520
17.000	-.4633
18.000	-.4719
19.000	-.4571
20.000	-.4333
21.000	-.4391
22.000	-.4483

MACH ( 2 ) = 1.209 ALPHA ( 4 ) = 1.900 R/V/L = 7.202

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO.	
1.000	-.2939
2.000	-.2971
3.000	-.3062
4.000	-.2914
5.000	.0000
6.000	-.3643
7.000	-.3628
8.000	-.3821
9.000	-.0118
10.000	-.0408
11.000	-.4038
12.000	-.4151
13.000	-.3689
14.000	.0825
15.000	-.1161
16.000	-.4489
17.000	-.4617
18.000	-.4671
19.000	-.4567
20.000	-.4332
21.000	-.4351
22.000	-.4486

TABLATED SOURCE DATA, R.I. TWT 201 - 1552

IA69 (1 F1 MG(1) M4(1)) CASE SECTION

MACH (2) = 1.209 ALPHA (5) = 3.890 RVL = 7.200

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAF NO	Y/L
1.000	-0.2997
2.000	-0.2931
3.000	-0.3294
4.000	-0.2953
5.000	-0.0000
6.000	-0.3515
7.000	-0.3564
8.000	-0.3767
9.000	-0.0000
10.000	-0.0000
11.000	-0.3961
12.000	-0.4134
13.000	-0.3686
14.000	-0.0775
15.000	-0.1141
16.000	-0.4470
17.000	-0.4606
18.000	-0.4672
19.000	-0.4592
20.000	-0.4307
21.000	-0.4302
22.000	-0.4518

MACH (3) = 1.503 ALPHA (1) = -3.890 RVL = 9.800

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAF NO	Y/L
1.000	-0.6323
2.000	-0.2543
3.000	-0.2659
4.000	-0.2649
5.000	-0.0000
6.000	-0.3149
7.000	-0.3264
8.000	-0.3357
9.000	-0.0490
10.000	-0.0971
11.000	-0.3396
12.000	-0.3488
13.000	-0.3154
14.000	-0.1455
15.000	-0.1109



C-7

RELATED SOURCE DATA. R.I. TWT 281 - 1A69

(NF4239)

1A69 (1 F1 (M1)) M(1) CASE RESONS

DATE 08 OCT 74

MOM ( 3) = 1.503 ALPHA ( 1) = -3.680

DEPENDENT VARIABLE CP

SECTION ( 1)BASE

M/L 1.0000

1A' NO	
16.000	-.3662
17.000	-.3918
18.000	-.3791
19.000	-.3846
20.000	-.3623
21.000	-.3615
22.000	-.3632

MOM ( 3) = 1.503 ALPHA ( 2) = -1.660 RM/L = 9.600

DEPENDENT VARIABLE CP

SECTION ( 1)BASE

M/L 1.0000

TAP NO	
1.000	-.6323
2.000	-.2499
3.000	-.2643
4.000	-.2653
5.000	.0000
6.000	-.2979
7.000	-.3043
8.000	-.3160
9.000	-.0377
10.000	-.1044
11.000	-.3261
12.000	-.3343
13.000	-.2966
14.000	.1677
15.000	.0423
16.000	-.3960
17.000	-.3675
18.000	-.3700
19.000	-.3950
20.000	-.3485
21.000	-.3908
22.000	-.3622

TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(UF4ELB)

1A68 C1 F1 MS(1) M4(1) BASE REGIONS

MACH (3) = 1.503 ALPHA (3) = .120 RVL = 9.800

DEPENDENT VARIABLE CP

SECTION (1)BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.6323
2.000	-.2510
3.000	-.2677
4.000	-.2666
5.000	.0000
6.000	-.2979
7.000	-.3021
8.000	-.3164
9.000	-.0289
10.000	-.0612
11.000	-.3163
12.000	-.3246
13.000	-.2943
14.000	.1704
15.000	.0003
16.000	-.3469
17.000	-.3657
18.000	-.3693
19.000	-.3467
20.000	-.3384
21.000	-.3379
22.000	-.3442

MACH (3) = 1.503 ALPHA (4) = 2.120 RVL = 9.600

DEPENDENT VARIABLE CP

SECTION (1)BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.6323
2.000	-.2494
3.000	-.2656
4.000	-.2634
5.000	.0000
6.000	-.2941
7.000	-.2947
8.000	-.3010
9.000	-.0216
10.000	-.0678
11.000	-.3200
12.000	-.3221
13.000	-.2934
14.000	.1825
15.000	-.0361



TABLATED SOURCE DATA, R.I. TMT 201 - 1A69

(RF4829)

1A68 CI FI MS(1) MI(1) BASE REGIONS

DATE DR CCT 74

MOY ( 3 ) = 1.503 ALPHA ( 4 ) = 2.120

DEPENDENT VARIABLE CP

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	VALUE
16.000	-.3450
17.000	-.3555
18.000	-.3600
19.000	-.3443
20.000	-.3382
21.000	-.3345
22.000	-.3462

MOY ( 3 ) = 1.503 ALPHA ( 5 ) = 4.030 RV/L = 9.600

DEPENDENT VARIABLE CP

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.6323
2.000	-.2428
3.000	-.2612
4.000	-.2561
5.000	.0000
6.000	-.2803
7.000	-.2939
8.000	-.2930
9.000	-.0098
10.000	-.0433
11.000	-.3179
12.000	-.3172
13.000	-.2794
14.000	.1748
15.000	-.0710
16.000	-.3449
17.000	-.3581
18.000	-.3612
19.000	-.3429
20.000	-.3381
21.000	-.3340
22.000	-.3476

PARAMETRIC DATA

ALPHA = .0000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XREF = .0000  
 UREF = 1328.3000 IN. YREF = .0000  
 BREF = 1328.3000 IN. ZREF = .0000  
 SCALE = .0000

MMO1 ( 1 ) = .897 BETA ( 1 ) = -3.920 RVL = 6.500

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	VALUE
1.000	-.1895
2.000	-.1873
3.000	-.1873
4.000	-.1789
5.000	.0000
6.000	-.2988
7.000	-.3188
8.000	-.3444
9.000	-.4003
10.000	-.3469
11.000	-.3422
12.000	-.3382
13.000	-.3074
14.000	.0087
15.000	-.3337
16.000	-.3745
17.000	-.3376
18.000	-.3914
19.000	-.3737
20.000	-.3648
21.000	-.3405
22.000	-.3779

MMO1 ( 2 ) = .897 BETA ( 2 ) = -1.970 RVL = 6.500

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	VALUE
1.000	-.1839
2.000	-.1837
3.000	-.1825
4.000	-.1752
5.000	.0000
6.000	-.3088
7.000	-.3167
8.000	-.3458



DATE 01 OCT 74

TABLED SOURCE DATA, R.I. TMT 281 - 1A68

BASE REGIONS

MAC ( 1 ) = .097 BETA ( 2 ) = -1.970

DEPENDENT VARIABLE CP

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	VALUE
9.000	-.3604
10.000	-.3467
11.000	-.3435
12.000	-.3402
13.000	-.3107
14.000	-.0253
15.000	-.3097
16.000	-.3611
17.000	-.3180
18.000	-.3669
19.000	-.3621
20.000	-.3467
21.000	-.3194
22.000	-.3631

MAC ( 1 ) = .097 BETA ( 3 ) = -.050 RVL = 6.500

DEPENDENT VARIABLE CP

SECTION ( 1 ) BASE

X/L 1.0000

TAP NO	VALUE
1.000	-.1766
2.000	-.1697
3.000	-.1709
4.000	-.1568
5.000	.0000
6.000	-.3659
7.000	-.2560
8.000	-.2637
9.000	-.3949
10.000	-.3432
11.000	-.2696
12.000	-.2864
13.000	-.3372
14.000	-.1243
15.000	-.1697
16.000	-.3042
17.000	-.2916
18.000	-.3235
19.000	-.3109
20.000	-.2306
21.000	-.2629
22.000	-.3112

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(SF481D)

TABLATED SOURCE DATA, R.I. TMT. 281 - 1A69

IAGS CI F1 X5(1) M(1) BASE REGIONS

MOM ( 1 ) = .697 BETA ( 4 ) = 1.630 RM/L = 6.500

DEPENDENT VARIABLE CP

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
1.000	-.1636
2.000	-.1904
3.000	-.1754
4.000	-.1693
5.000	.0000
6.000	-.3309
7.000	-.2867
8.000	-.3016
9.000	-.3567
10.000	-.3576
11.000	-.3223
12.000	-.3332
13.000	-.3566
14.000	-.1959
15.000	-.1818
16.000	-.2972
17.000	-.2998
18.000	-.3235
19.000	-.3382
20.000	-.2854
21.000	-.2550
22.000	-.3103

MOM ( 1 ) = .697 BETA ( 5 ) = 3.840 RM/L = 6.500

DEPENDENT VARIABLE CP

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
1.000	-.1951
2.000	-.2092
3.000	-.1807
4.000	-.1791
5.000	.0000
6.000	-.2938
7.000	-.3095
8.000	-.3291
9.000	-.4019
10.000	-.3652
11.000	-.3370
12.000	-.3433
13.000	-.3650
14.000	-.3376
15.000	-.1865





DATE OF OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A65

08F4810

1A65 CI F1 M(1) M(1) BASE REGIONS

MMOY ( 1 ) = .697 BETA ( 5 ) = 3.640

SECTION ( 1 ) BASE DEPENDENT VARIABLE C<sup>2</sup>

X/L	1.0000
TAP NO	
16.000	-.8808
17.000	-.8943
18.000	-.3066
19.000	-.2914
20.000	-.2614
21.000	-.2308
22.000	-.2943

MMOY ( 2 ) = 1.210 BETA ( 1 ) = -3.930 RV/L = 7.400

SECTION ( 1 ) BASE DEPENDENT VARIABLE C<sup>2</sup>

X/L	1.0000
TAP NO	
1.000	-.3018
2.000	-.2586
3.000	-.3099
4.000	-.2971
5.000	.0000
6.000	-.3708
7.000	-.4018
8.000	-.4882
9.000	-.0264
10.000	-.0293
11.000	-.4269
12.000	-.4211
13.000	-.3930
14.000	-.2272
15.000	-.1229
16.000	-.4905
17.000	-.4990
18.000	-.4999
19.000	-.4964
20.000	-.4637
21.000	-.4665
22.000	-.4607



DATE 01 OCT 74

06F48100

TABLATED SOURCE DATA, R.I. INT 201 - 1A69

BASE REGIONS

1A69 C1 F1 M5(1) M4(1) RVL = 7.400

BETA ( 2 ) = -2.070

MMO1 ( 2 ) = 1.210

DEPENDENT VARIABLE C'

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	Y/L
1.000	-.2980
2.000	-.2996
3.000	-.3026
4.000	-.2936
5.000	.0000
6.000	-.3649
7.000	-.3662
8.000	-.4014
9.000	-.0162
10.000	-.0313
11.000	-.4243
12.000	-.4173
13.000	-.3762
14.000	.1510
15.000	-.1330
16.000	-.4658
17.000	-.4760
18.000	-.4729
19.000	-.4699
20.000	-.4480
21.000	-.4530
22.000	-.4634

BASE REGIONS

1A69 C1 F1 M5(1) M4(1) RVL = 7.400

BETA ( 3 ) = -.130

MMO1 ( 2 ) = 1.210

DEPENDENT VARIABLE C'

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	Y/L
1.000	-.2982
2.000	-.2933
3.000	-.3069
4.000	-.2903
5.000	.0000
6.000	-.3606
7.000	-.3707
8.000	-.3666
9.000	-.0265
10.000	-.0763
11.000	-.4121
12.000	-.4801
13.000	-.3736
14.000	.0461
15.000	-.1181



TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF481D)

BASE REGIONS

1A68 CI FI AG(1) M(1)

DATE 01 07 74

MMOY ( 2 ) = 1.210 BETA ( 3 ) = -.130

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
16.000	-.4501
17.000	-.4619
18.000	-.4698
19.000	-.4730
20.000	-.4815
21.000	-.4890
22.000	-.4960

MMOY ( 2 ) = 1.210 BETA ( 4 ) = 1.650 RVL = 7.400

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
1.000	-.3071
2.000	-.3033
3.000	-.2957
4.000	-.2880
5.000	-.0000
6.000	-.3039
7.000	-.3021
8.000	-.3797
9.000	-.0296
10.000	-.0852
11.000	-.3947
12.000	-.3820
13.000	-.3968
14.000	-.0206
15.000	-.0972
16.000	-.4298
17.000	-.4432
18.000	-.4598
19.000	-.4392
20.000	-.4131
21.000	-.4149
22.000	-.4233

(RF481U)

1A68 C1 F1 M9(1) M4(1) BASE REGIONS

MCH (2) = 1.620 BETA (5) = 3.780 RVL = 7.400

SECTION (1)BASE DEPENDENT VARIABLE CP

M/L	TRP NO	1.0000
	1.000	-.3196
	2.000	-.3084
	3.000	-.2982
	4.000	-.3069
	5.000	.0000
	6.000	-.3708
	7.000	-.3626
	8.000	-.4048
	9.000	-.0383
	10.000	-.0640
	11.000	-.4112
	12.000	-.3996
	13.000	-.4080
	14.000	-.0005
	15.000	-.0356
	16.000	-.4210
	17.000	-.4311
	18.000	-.4421
	19.000	-.4310
	20.000	-.4031
	21.000	-.3977
	22.000	-.4195



TABULATED SOURCE DATA, R.I. TW 261 - 1A88

BASE REGIONS

IAGS CI FI MI (1)

PARAMETRIC DATA

BETA = .000

DATE OF OCT 74

REFERENCE DATA

SWEP = 2880.0000 SQ.FT.    WRP = .0000  
 LWEP = 1329.3000 IN.    WRP = .0000  
 SWEP = 1329.3000 IN.    ZWRP = .0000  
 SCALE = .0040

MON ( 1 ) = 1.503    ALPHA ( 1 ) = -3.700    RVAL = 9.600  
 MON ( 2 ) = 1.503    ALPHA ( 2 ) = -1.790    RVAL = 9.600

DEPENDENT VARIABLE OF

SECTION ( 1 ) NAME

X/L 1.0000

TWP NO	VALUE
1.000	-.2646
2.000	-.2507
3.000	-.2694
4.000	-.2680
5.000	.0000
6.000	-.3167
7.000	-.3225
8.000	-.3213
9.000	-.1037
10.000	-.1106
11.000	-.3451
12.000	-.3394
13.000	-.3084
14.000	.1846
15.000	-.0340
16.000	-.3561
17.000	-.3708
18.000	-.3767
19.000	-.3396
20.000	-.3492
21.000	-.3469
22.000	-.3593

DEPENDENT VARIABLE OF

SECTION ( 1 ) NAME

X/L 1.0000

TWP NO	VALUE
1.000	-.2748
2.000	-.2596
3.000	-.2676
4.000	-.2663
5.000	.0000
6.000	-.3137
7.000	-.3253
8.000	-.3215



TABULATED SOURCE DATA, N.I. TMT 281 - 1A69

(SF4811)

BASE REGIONS

IA68 CI FI MI (1)

DATE 01 OCT 74

MOY ( 1 ) = 1.503 ALPHA ( 2 ) = -1.750

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	
9.000	-.1138
10.000	-.1098
11.000	-.3515
12.000	-.3380
13.000	-.3080
14.000	.1767
15.000	-.0386
16.000	-.3570
17.000	-.3707
18.000	-.3776
19.000	-.3596
20.000	-.3507
21.000	-.3480
22.000	-.3607

MOY ( 1 ) = 1.503 ALPHA ( 3 ) = .180 RMYL = 9.800

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO	
1.000	-.2748
2.000	-.2534
3.000	-.2882
4.000	-.2624
5.000	.0000
6.000	-.3058
7.000	-.3250
8.000	-.3212
9.000	-.1158
10.000	-.1228
11.000	-.3477
12.000	-.3388
13.000	-.3073
14.000	.1423
15.000	-.0007
16.000	-.3615
17.000	-.3717
18.000	-.3793
19.000	-.3628
20.000	-.3554
21.000	-.3496
22.000	-.3633



TABLATED SOURCE DATA, R.I., TMT 201 - 1A60

(RFE11)

BASE REGIONS

IAGS CI FI MI (1)

MOY ( 1 ) = 1.503 ALPHA ( 4 ) = 2.010 RV/L = 9.603

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	Y/L
1.000	-.2795
2.000	-.2826
3.000	-.2940
4.000	-.2947
5.000	.0000
6.000	-.3107
7.000	-.3250
8.000	-.3226
9.000	-.1200
10.000	-.1371
11.000	-.3471
12.000	-.3405
13.000	-.3087
14.000	.1105
15.000	-.0210
16.000	-.3631
17.000	-.3749
18.000	-.3777
19.000	-.3635
20.000	-.3562
21.000	-.3515
22.000	-.3624

MOY ( 1 ) = 1.503 ALPHA ( 5 ) = 4.040 RV/L = 9.600

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	Y/L
1.000	-.2806
2.000	-.2837
3.000	-.2913
4.000	-.2960
5.000	.0000
6.000	-.3161
7.000	-.3298
8.000	-.3262
9.000	-.1242
10.000	-.1267
11.000	-.3457
12.000	-.3462
13.000	-.3137
14.000	.1045
15.000	-.0730



TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(FF4811)

BASE REGIONS

1A68 C1 F1 M1 (1)

MCH4 ( 1 ) = 1.503 ALPHA ( 5 ) = 4.046

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
16.000	-.3567
17.000	-.7944
18.000	-.3617
19.000	-.3664
20.000	-.3552
21.000	-.3561
22.000	-.3660

MCH1 ( 2 ) = 1.991 ALPHA ( 1 ) = -3.860 RVL = 13.600

SECTION ( 1 ) BASE DEPENDENT VARIABLE OF

X/L	1.0000
TAP NO	
1.000	-.1983
2.000	-.1907
3.000	-.1853
4.000	-.1874
5.000	-.0000
6.000	-.2218
7.000	-.2321
8.000	-.2400
9.000	-.0998
10.000	-.0463
11.000	-.2444
12.000	-.2471
13.000	-.2217
14.000	.0862
15.000	-.0498
16.000	-.2581
17.000	-.2740
18.000	-.2752
19.000	-.2576
20.000	-.2516
21.000	-.2496
22.000	-.2585





TABLATED SOURCE DATA, R.I. TMT 201 - 1A69

(874811)

BASE REGIONS

LAGS CI FI MI (1)

MO0 ( 2) = 1.991 ALPHA ( 2) = -1.940 RVL = 13.000

DEPENDENT VARIABLE CP

SECTION ( 1)BASE

X/L 1.0000

TAP NO	Value
1.000	-.2083
2.000	-.1999
3.000	-.2010
4.000	-.2025
5.000	.0000
6.000	-.2206
7.000	-.2505
8.000	-.2394
9.000	-.0823
10.000	-.0822
11.000	-.2431
12.000	-.2460
13.000	-.2211
14.000	.1162
15.000	-.0004
16.000	-.2611
17.000	-.2336
18.000	-.2861
19.000	-.2613
20.000	-.2580
21.000	-.2573
22.000	-.2619

MO1 ( 2) = 1.991 ALPHA ( 2) = .000 RVL = 13.000

DEPENDENT VARIABLE CP

SECTION ( 1)BASE

X/L 1.0000

TAP NO	Value
1.000	-.2360
2.000	-.2332
3.000	-.2259
4.000	-.2234
5.000	.0000
6.000	-.2234
7.000	-.2255
8.000	-.2255
9.000	-.0922
10.000	-.0413
11.000	-.2431
12.000	-.2407
13.000	-.2239
14.000	.1996
15.000	.0636

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



TABLATED SOURCE DATA, R.I. TMT 281 - 1A69

(RF4B11)

BASE REGIONS

1A69 CI FI MI (1)

DATE 01 OCT 74

MAO1 ( 2 ) = 1.991 ALPHA ( 3 ) = .000

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	VALUE
16.000	-.2676
17.000	-.2999
18.000	-.2914
19.000	-.2695
20.000	-.2636
21.000	-.2616
22.000	-.2693

MAO1 ( 2 ) = 1.991 ALPHA ( 4 ) = 1.963 RV/L = 13.600

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO	VALUE
1.000	-.3498
2.000	-.2993
3.000	-.2342
4.000	-.2923
5.000	.0100
6.000	-.2266
7.000	-.2179
8.000	-.2135
9.000	-.0973
10.000	-.0942
11.000	-.2431
12.000	-.2393
13.000	-.2261
14.000	.1927
15.000	.0557
16.000	-.2601
17.000	-.2903
18.000	-.2935
19.000	-.2604
20.000	-.2594
21.000	-.2525
22.000	-.2619



TABLATED SOURCE DATA, R.I. TWT 261 - 1A68

(6F4B11)

IA68 CI F1 MI (1) BASE REGIONS

MMO1 ( 2 ) = 1.991 ALPHA ( 5 ) = 3.910 SN/L = 13.601

DEPENDENT VARIABLE OF

SECTION ( 1 )BASE

X/L 1.0000

TAP NO	
1.000	-.2469
2.000	-.3406
3.000	-.2206
4.000	-.2325
5.000	.0000
6.000	-.2133
7.000	-.2160
8.000	-.2200
9.000	-.0767
10.000	-.0363
11.000	-.2367
12.000	-.2428
13.000	-.1120
14.000	-.2172
15.000	.0751
16.000	-.2587
17.000	-.2360
18.000	-.2610
19.000	-.2596
20.000	-.2561
21.000	-.2508
22.000	-.2600



66F4812 ( 18 APR 74 )

1A69 CI FI NR(1) BASE REGIONS

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 94.FT. MRP = .0000  
 LREF = 1320.3000 IN. YRP = .0000  
 BREF = 1320.3000 IN. ZRP = .0000  
 SCALE = .0040

BETA = .000

MAG ( 1 ) = 1.223 ALPHA ( 1 ) = .000 RVL = 7.300

SECTION ( 1 ) BASE DEPENDENT VARIABLE CP

TAP NO	X/L
1.000	1.0000
2.000	-.2964
3.000	-.2060
4.000	-.2693
5.000	-.2669
6.000	.0000
7.000	-.3620
8.000	-.3601
9.000	-.3683
10.000	-.1140
11.000	-.1436
12.000	-.4067
13.000	-.4077
14.000	-.3740
15.000	.0801
16.000	-.1554
17.000	-.4310
18.000	-.4482
19.000	-.4945
20.000	-.404
21.000	-.4175
22.000	-.4133
23.000	-.4357



TABULATED SOURCE DATA, R.I. TMT 201 - 1A69

(RECALC) ( 18 APR 74 )

UPPER MING SURFACE

1A69 C1 F1

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SREF = 2890.0000 SA.FT.    MAPP = .0000  
 LREF = 1329.3000 IN.    YAPP = .0000  
 BREF = 1329.3000 IN.    ZAPP = .0000  
 SCALE = .0000

MACH ( 1 ) = .663    ALPHA ( 1 ) = .000    BNVL = 6.400

SECTION ( 1 ) UPPER MING    DEPENDENT VARIABLE CP

27/8    .3610    -.6996    .6380    .7770

X/C

.102    -.1653  
 .301    -.4804  
 .500    -.8531    -.6008    -.7001  
 .700    -.1776  
 .899    -.0860

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SREF = 2680.0000 SQ.FT. XAPP = .0000  
 LREF = 1320.0000 IN. YAPP = .0000  
 BREF = 1320.0000 IN. ZAPP = .0000  
 SCALE = .0040

MACH ( 1 ) = .656 ALPHA ( 1 ) = -4.000 AN/L = 6.700

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

X/C

.102 .1007  
 .301 -.3116  
 .500 -.2508 -.3091 -.4615 -.6229  
 .700 -.3240  
 .899 -.1444

MACH ( 1 ) = .686 ALPHA ( 2 ) = -2.000 AN/L = 6.700

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

X/C

.102 -.0344  
 .301 -.3591  
 .500 -.2464 -.3595 -.5277 -.6906  
 .700 -.3722  
 .899 -.1122

MACH ( 1 ) = .686 ALPHA ( 3 ) = -.080 AN/L = 6.700

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

X/C

.102 .1109  
 .301 1.4785  
 .500 -.2984 -.3667 -.5808 -.7803  
 .700 -.3965  
 .899 -.0992



DATE 08 OCT 74 TABULATED SOURCE DATA, R.I. TMJ 261 - 1A68

(5F4UJZ)

1A68 C1 F1 UPPER MINE SURFACE

MMOY ( 1 ) = .086 ALPHA ( 4 ) = 1.800 RM/L = 6.700

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4286 .6380 .7770

X/C

.10E -.2227  
.30I -.5882  
.50J -.3448 -.3878 -.6728 -.7875  
.70D -.3046  
.888 -.1032

MMOY ( 1 ) = .086 ALPHA ( 5 ) = 3.670 RM/L = 6.700

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4986 .6380 .7770

X/C

.10E -.3385  
.30I -.6855  
.50J -.3878 -.4355 -.7537 -.7806  
.70D -.3296  
.888 -.1074

MMOY ( 2 ) = 1.211 ALPHA ( 1 ) = -3.910 RM/L = 7.500

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4986 .6380 .7770

X/C

.10E .1513  
.30I -.1862  
.50J -.0570 -.0579 -.1877 -.2948  
.70D .0234  
.888 -.1045

MMOY ( 2 ) = 1.211 ALPHA ( 2 ) = -1.850 RM/L = 7.500

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4986 .6380 .7770

X/C

.10E .0601  
.30I -.2477  
.50J -.0875 -.1546 -.2680 -.4079  
.70D .0166  
.888 -.1041

DATE 01 OCT 74

TABLATED SOURCE DATA, R.I. TMT 261 - 1A69

(6FAUJ2)

1A69 C1 F1 UPPER MINE SURFACE

MNOY ( 2) = 1.211 ALPHA ( 3) = .150 RMVL = 7.500

SECTION ( 1) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 -.0291  
.301 -.3035  
.500 -.1320  
.700 -.2966  
.899 -.3997

MNOY ( 2) = 1.211 ALPHA ( 4) = 2.120 RMVL = 7.500

SECTION ( 1) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 -.1249  
.301 -.3018  
.500 -.5012  
.700 -.4034  
.899 -.6815

MNOY ( 2) = 1.211 ALPHA ( 5) = 4.030 RMVL = 7.500

SECTION ( 1) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 -.2131  
.301 -.4317  
.500 -.2637  
.700 -.4623  
.899 -.5403

MNOY ( 2) = 1.503 ALPHA ( 1) = -3.680 RMVL = 9.700

SECTION ( 1) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .1677  
.301 -.1574  
.500 -.1423  
.700 -.2536  
.899 -.2837





TABULATED SOURCE DATA, R.I. TMF 201 - 1A68

(RFAU02)

UPPER MINE SURFACE

IAGS CI F1

MOY ( 2 ) = 1.503 ALPHA ( 2 ) = -1.680 RML = 9.700

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

Z/Y .3610 .4886 .6380 .7770

Z/C	
.102	.1026
.301	-.2077
.500	-.2906
.700	-.0438
.899	.0074

MOY ( 3 ) = 1.503 ALPHA ( 3 ) = .180 RML = 9.700

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

Z/Y .3610 .4886 .6380 .7770

Z/C	
.102	.0542
.301	-.2288
.500	-.3346
.700	-.0848
.899	-.0082

MOY ( 4 ) = 1.503 ALPHA ( 4 ) = 2.010 RML = 9.700

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

Z/Y .3610 .4886 .6380 .7770

Z/C	
.102	-.0029
.301	-.2761
.500	-.2889
.700	-.1408
.899	-.0863

MOY ( 5 ) = 1.503 ALPHA ( 5 ) = 3.920 RML = 9.700

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

Z/Y .3610 .4886 .6380 .7770

Z/C	
.102	-.0862
.301	-.3087
.500	-.2915
.700	-.1673
.899	-.0843

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TABULATED SOURCE DATA, R.I. TMT 201 - 1A68

(RFAULZ)

UPPER MING SURFACE

1A68 CI F1

MACH ( 4 ) = 1.891 ALPHA ( 1 ) = -3.770 RW/L = 10.800

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

ZT/B	.3610	.4996	.6380	.7770
X/C				
.102		.1626		
.301		-.0697		
.500	-.1038	-.1570	-.1618	-.1467
.700		-.0863		
.899		-.0009		

MACH ( 4 ) = 1.891 ALPHA ( 2 ) = -1.960 RW/L = 10.800

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

ZT/B	.3610	.4996	.6380	.7770
X/C				
.102		.1111		
.301		-.1034		
.500	-.1279	-.1655	-.1814	-.1725
.700		-.1299		
.899		-.0379		

MACH ( 4 ) = 1.891 ALPHA ( 3 ) = .080 RW/L = 10.800

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

ZT/B	.3610	.4996	.6380	.7770
X/C				
.102		.0669		
.301		-.1367		
.500	-.1542	-.2099	-.2055	-.2025
.700		-.1603		
.899		-.0725		

MACH ( 4 ) = 1.891 ALPHA ( 4 ) = 2.050 RW/L = 10.800

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

ZT/B	.3610	.4996	.6380	.7770
X/C				
.102		.0101		
.301		-.1629		
.500	-.1730	-.2329	-.2341	-.2267
.700		-.1824		
.899		-.1075		



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067402D

UPPER MINE SURFACE

IAGS CI F1

RVL = 10.000

ALPHA (S) = 4.000

BETA (A) = 1.000

DEPENDENT VARIABLE CP

SECTION ( 1) UPPER MINE

27/8 .3610 .4066 .6380 .7770

N/C

.102	-.0002
.301	1.2010
.500	-.2529
.700	7.2748
.899	-1.1339

-.2529

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

PAGAMETRIC DATA

ALPHA = .000

REFERENCE DATA

REF = 2860.000 SA.FT. WRP = .000  
 LRF = 1388.500 IN. WRP = .000  
 REF = 1388.500 IN. WRP = .000  
 SCALE = .0040

WAV ( 1 ) = .000 BETA ( 1 ) = -3.750 RWL = 6.000

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE C

ST/B .3610 .4886 .6360 .7770

X/C

.10E .0000  
 .30E -.6082  
 .50E -.2569 -.3342 -.6076 -.7943  
 .70E -.1758  
 .90E -.0006

WAV ( 1 ) = .000 BETA ( 2 ) = -1.000 RWL = 6.000

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE C

ST/B .3610 .4886 .6360 .7770

X/C

.10E .0000  
 .30E -.2628  
 .50E -.8080 -.3501 -.6321 -.6009  
 .70E -.3684  
 .90E -.0076

WAV ( 1 ) = .000 BETA ( 3 ) = .050 RWL = 6.000

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE C

ST/B .3610 .4886 .6360 .7770

X/C

.10E .0000  
 .30E -.5048  
 .50E -.3072 -.3634 -.6041 -.7943  
 .70E -.4028  
 .90E -.1030



TABULATED SOURCE DATA, R.I. TMJ 201 - 1A69

(RF-6033)

UPPER MINE SURFACE

1A69 C1 F1

MMOM ( 1 ) = .699 BETA ( 4 ) = 1.970 RVL = 6.630

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6360 .7770

Z/C

.10E .0310  
.30E -.4353  
.50E -.3607 -.5879 -.7674  
.70E -.4373  
.90E -.1402

MMOM ( 1 ) = .699 BETA ( 5 ) = 3.970 RVL = 6.630

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6360 .7770

Z/C

.10E .0310  
.30E -.3976  
.50E -.3870 -.4076 -.5750 -.7646  
.70E -.4627  
.90E -.1636

MMOM ( 2 ) = 1.211 BETA ( 1 ) = -3.630 RVL = 7.500

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6360 .7770

Z/C

.10E -.0308  
.30E -.3760  
.50E -.2181 -.4294 -.4726 -.5036  
.70E .0345  
.90E -.0845

MMOM ( 2 ) = 1.211 BETA ( 2 ) = -1.900 RVL = 7.500

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6360 .7770

Z/C

.10E -.0339  
.30E -.3524  
.50E -.1622 -.3745 -.4371 -.4984  
.70E .0231  
.90E -.0879

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMF 281 - 1A68

(RFAUD3)

1A68 C1 F1 UPPER MING SURFACE

MM01 ( 2) = 1.211 BETA ( 3) = .000 RVL = 7.500

SECTION ( 1) UPPER MING DEPENDENT VARIABLE CP

ZT/B	.3610	.4996	.6380	.7770
X/C				
	.102	-.0810		
	.301	-.3149		
	.500	-.1245	-.2727	-.3961
	.700	.0068		-.4802
	.899	-.1123		

MM01 ( 2) = 1.211 BETA ( 4) = 1.920 RVL = 7.500

SECTION ( 1) UPPER MING DEPENDENT VARIABLE CP

ZT/B	.3610	.4996	.6380	.7770
X/C				
	.102	-.0206		
	.301	-.2713		
	.500	-.1268	-.1683	-.3579
	.700	-.0238		-.4646
	.899	-.1434		

MM01 ( 2) = 1.211 BETA ( 5) = 3.920 RVL = 7.500

SECTION ( 1) UPPER MING DEPENDENT VARIABLE CP

ZT/B	.3610	.4996	.6380	.7770
X/C				
	.102	.0045		
	.301	-.2343		
	.500	-.1310	-.1671	-.3155
	.700	-.0260		-.4327
	.899	-.1686		

MM01 ( 3) = 1.503 BETA ( 1) = -3.910 RVL = 9.600

SECTION ( 1) UPPER MING DEPENDENT VARIABLE CP

ZT/B	.3610	.4996	.6380	.7770
X/C				
	.102	.0701		
	.301	-.2406		
	.500	-.2427	-.3434	-.3613
	.700	-.1639		-.3848
	.899	.0029		



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A69

0674133

1A69 CI F1 UPPER WING SURFACE

MACH ( 3) = 1.503 BETA ( 2) = -1.980 RV/L = 9.800

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .0579  
 .301 -.2405  
 .500 -.2439 -.3580 -.3607 -.3542  
 .700 -.0924  
 .899 -.0389

MACH ( 3) = 1.503 BETA ( 3) = -.070 RV/L = 9.800

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .0604  
 .301 -.2374  
 .500 -.2307 -.3292 -.3650 -.3543  
 .700 -.0880  
 .899 .0001

MACH ( 3) = 1.503 BETA ( 4) = 1.910 RV/L = 9.800

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .0366  
 .301 -.2366  
 .500 -.1634 -.3130 -.3612 -.3593  
 .700 -.0727  
 .899 -.0320

MACH ( 3) = 1.503 BETA ( 5) = 3.980 RV/L = 9.800

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .0216  
 .301 -.2207  
 .500 -.1320 -.2634 -.3366 -.3564  
 .700 -.0665  
 .899 -.0660

66F4023)

TABLATED SOURCE DATA, R.I. TMT 281 - 1A69

UPPER WING SURFACE

MACI = 1.991 BETA ( 1 ) = -3.830 RVL = 13.800

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C	
.102	.0766
.301	-.1906
.500	-.1623
.700	-.2094
.899	-.2191
	-.1979
	-.2051
	-.0749

MACI = 1.991 BETA ( 2 ) = -1.900 RVL = 13.800

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C	
.102	.0446
.301	-.1463
.500	-.1619
.700	-.2176
.899	-.2196
	-.2081
	-.1827
	-.0711

MACI = 1.991 BETA ( 3 ) = .050 RVL = 13.800

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C	
.102	.0573
.301	-.1455
.500	-.1994
.700	-.2145
.899	-.2112
	-.2081
	-.1692
	-.0791

MACI = 1.991 BETA ( 4 ) = 2.070 RVL = 13.800

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C	
.102	.0429
.301	-.1372
.500	-.1452
.700	-.2044
.899	-.2072
	-.2047
	-.1272
	-.0759





DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 201 - 1A68

66F4J13

UPPER MINE SURFACE

1A68 C1 F1

MOI ( 4 ) = 1.991 BETA ( 5 ) = 3.680 RML = 13.800

SECTION ( 3 ) UPPER MINE DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6380 .7770

X/C

.102	.0978
.301	-.1312
.500	-.1400
.700	-.1974
.899	-.1204
	-.0716

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

TABLATED SOURCE DATA, R.I., TMF 281 - 1A68

DATE 01 OCT 74

(REFJ004) ( 19 APR 74 )

1A68 C1 F1 ML(1) UPPER MING SURFACE

PARAMETER DATA

BETA = .000

REFERENCE DATA

REF = 2680.0000 SQ.FT.    2MRP = .0000  
 LREF = 1328.3000 IN.    1MRP = .0000  
 BREF = 1328.3000 IN.    2MRP = .0000  
 SCALE = .0040

MACH ( 1 ) = .696    ALPHA ( 1 ) = -3.870    RV/L = 6.500

SECTION ( 1 ) UPPER MING    DEPENDENT VARIABLE OF

Z1/B    .3610    .4996    .6380    .7770

X/C

.102    .0814  
 .301    -.3254  
 .500    -.2289    -.3086    -.4619    -.6531  
 .700    -.3677  
 .899    -.1674

MACH ( 1 ) = .696    ALPHA ( 2 ) = -2.000    RV/L = 6.500

SECTION ( 1 ) UPPER MING    DEPENDENT VARIABLE OF

Z1/B    .3610    .4996    .6380    .7770

X/C

.102    .0000  
 .301    .0000  
 .500    .0000    .0000    .0000    .0000  
 .700    .0000  
 .899    .0000

MACH ( 1 ) = .696    ALPHA ( 3 ) = .000    RV/L = 6.500

SECTION ( 1 ) UPPER MING    DEPENDENT VARIABLE OF

Z1/B    .3610    .4996    .6380    .7770

X/C

.102    .0000  
 .301    .0000  
 .500    .0000    .0000    .0000    .0000  
 .700    .0000  
 .899    .0000



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 201 - 1A66

(PFAULDA)

1A66 CI F1 MI (1) UPPER MINS SURFACE

MMO1 ( 1 ) = .696 ALPHA ( 4 ) = 2.000 RVL = 6.500

SECTION ( 1 ) UPPER MINS DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .0000  
 .301 .0000  
 .500 .0000 .0000 .0000  
 .700 .0000  
 .899 .0000

MMO1 ( 1 ) = .696 ALPHA ( 5 ) = 304.000 RVL = 6.500

SECTION ( 1 ) UPPER MINS DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .0000  
 .301 .0000  
 .500 .0000 .0000 .0000  
 .700 .0000  
 .899 .0000

MMO1 ( 2 ) = 1.211 ALPHA ( 1 ) = -3.910 RVL = 7.400

SECTION ( 1 ) UPPER MINS DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .1502  
 .301 -.1609  
 .500 -.0167 -.0529 -.1955 -.3064  
 .700 .0283  
 .899 -.1042

MMO1 ( 2 ) = 1.211 ALPHA ( 2 ) = -1.950 RVL = 7.400

SECTION ( 1 ) UPPER MINS DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .0729  
 .301 -.2450  
 .500 -.0743 -.1440 -.3215 -.4141  
 .700 .0228  
 .899 -.1045

TABLATED SOURCE DATA, R.J. TMT 261 - 1A60

(SF4UJ34)

1A68 C1 F1 M(1) UPPER MINE SURFACE

MOM ( 2) = 1.211 ALPHA ( 3) = .000 RVL = 7.400

SECTION ( 1) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 -.0086  
.301 -.3121  
.500 -.2855 -.3668 -.4753  
.700 .0031  
.899 -.1214

MOM ( 2) = 1.211 ALPHA ( 4) = 1.930 RVL = 7.400

SECTION ( 1) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 -.0862  
.301 -.3696  
.500 -.1765 -.3876 -.4686 -.5372  
.700 -.0233  
.899 .1346

MOM ( 2) = 1.211 ALPHA ( 5) = 3.000 RVL = 7.400

SECTION ( 1) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 -.1685  
.301 -.4218  
.500 -.8480 -.4542 -.5311 -.6216  
.700 -.0695  
.899 -.1567

MOM ( 2) = 1.503 ALPHA ( 1) = -3.960 RVL = 9.000

SECTION ( 1) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 .1369  
.301 -.1594  
.500 -.1466 -.2536 -.5919 -.2882  
.700 .0280  
.899 .0346



DATE 01 OCT 74 TABLATED SOURCE DATA, R.I. TMT 281 - 1A69

(RF4004)

1A69 CI F1 M(1) UPPER MINE SURFACE

MNO1 ( 3) = 1.503 ALPHA ( 2) = -1.870 RVL = 9.600

SECTION ( 1) UPPER MINE DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

N/C	
.10E	.0894
.30E	-.8033
.500	-.1960
.700	-.2962
.899	-.3896
	-.5817
	-.0834
	.0139

MNO1 ( 3) = 1.503 ALPHA ( 3) = .070 RVL = 9.600

SECTION ( 1) UPPER MINE DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

N/C	
.10E	.0861
.30E	-.2944
.500	-.2298
.700	-.3374
.899	-.3650
	-.3850
	-.0856
	.0287

MNO1 ( 3) = 1.503 ALPHA ( 4) = 1.980 RVL = 9.600

SECTION ( 1) UPPER MINE DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

N/C	
.10E	-.0105
.30E	-.2774
.500	-.2298
.700	-.3617
.899	-.3917
	-.4084
	-.1404
	-.0435

MNO1 ( 3) = 1.503 ALPHA ( 5) = 3.930 RVL = 9.600

SECTION ( 1) UPPER MINE DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

N/C	
.10E	-.0949
.30E	-.3091
.500	-.3965
.700	-.1469
.899	-.0805
	-.4854
	-.4027

TABLATED SOURCE DATA, R.I. TWT 201 - 1A68

(RFAUDM)

UPPER WING SURFACE

MACH ( 4 ) = 1.991 ALPHA ( 1 ) = -3.910 RV/L = 13.600

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE C<sub>P</sub>

Z<sub>1</sub>/B .3610 .4996 .6380 .7770

Z/C

.10Z .1625  
.30Z -.0790  
.50Z -.1077  
.70Z -.1616  
.899 -.0697  
-0.0365

MACH ( 4 ) = 1.991 ALPHA ( 2 ) = -2.000 RV/L = 13.600

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE C<sub>P</sub>

Z<sub>1</sub>/B .3610 .4996 .6380 .7770

Z/C

.10Z .1310  
.30Z -.1052  
.50Z -.1295  
.70Z -.1679  
.899 -.1331  
-0.0402

MACH ( 4 ) = 1.991 ALPHA ( 3 ) = -0.050 RV/L = 13.600

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE C<sub>P</sub>

Z<sub>1</sub>/B .3610 .4996 .6380 .7770

Z/C

.10Z .0655  
.30Z -.1416  
.50Z -.1532  
.70Z -.2107  
.899 -.1803  
-0.0591

MACH ( 4 ) = 1.991 ALPHA ( 4 ) = 1.910 RV/L = 13.600

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE C<sub>P</sub>

Z<sub>1</sub>/B .3610 .4996 .6380 .7770

Z/C

.10Z .0149  
.30Z -.1661  
.50Z -.1726  
.70Z -.2336  
.899 -.1943  
-0.0331  
-0.1050



DATE 01 OCT 76      TABLED SOURCE DATA, R.I. TWT 501 - 1466

(REFLECT)

1466 CI F1 MI(1)      UPPER MING SURFACE

MON ( 40 ) 1.501 ALPHA ( 5 ) = 3.650      RVL = 13.603

SECTION ( UPPER MING.      DEPENDENT VARIABLE OF

27/8      .3010      .4006      .6300      .7770

X/C

.102  
.503  
.500  
.700  
.609

-.0284  
-.11406  
-.2530  
-.2724  
-.1316

-.2546

PARAMETRIC DATA

ALPHA = .000

REFERENCE DATA

REF = 260.0000 SQ.FT. WARP = .0000  
 LEF = 1200.0000 IN. WARP = .0000  
 REF = 1200.0000 IN. WARP = .0000  
 SCALE = .0000

MACH ( 1 ) = .686 BETA ( 1 ) = -3.660 RWL = 6.700  
 SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE OF

ST/B .3610 .4886 .6360 .7770

M/C  
 .102 .0000  
 .301 -.6644  
 .500 -.2318 -.3.96 -.6087 -.7870  
 .700 -.1589  
 .888 -.0802

MACH ( 1 ) = .686 BETA ( 2 ) = -1.660 RWL = 6.700  
 SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE OF

ST/B .3610 .4886 .6360 .7770

M/C  
 .102 .0000  
 .301 -.5907  
 .500 -.2888 -.3442 -.6381 -.6828  
 .700 -.3632  
 .888 -.0868

MACH ( 1 ) = .686 BETA ( 3 ) = .000 RWL = 6.700  
 SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE OF

ST/B .3610 .4886 .6360 .7770

M/C  
 .102 .0000  
 .301 -.4974  
 .500 -.3123 -.3645 -.5897 -.6002  
 .700 -.4127  
 .888 -.1267





DATE 08 OCT 74 TABULATED SOURCE DATA, R.I. PAF 203 - 1A68

OFF-LOADS

1A68 CI FI MI (1) UPPER MINE SURFACE

MMON ( 1 ) = .696 BETA ( 4 ) = 1.960 RVL = 6.770

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4996 .6360 .7770

K/C

.102 .0100  
.301 -.3682  
.500 -.3659 -.5697 -.7539  
.700 -.4468  
.899 -.8124

MMON ( 1 ) = .696 BETA ( 5 ) = 3.360 RVL = 6.700

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4996 .6360 .7770

K/C

.102 .0100  
.301 -.3682  
.500 -.3659 -.5619 -.7572  
.700 -.4740  
.899 -.8465

MMON ( 2 ) = 1.829 BETA ( 1 ) = -3.060 RVL = 7.400

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4996 .6360 .7770

K/C

.102 .0100  
.301 -.3684  
.500 -.2768 -.4571 -.5009 -.5396  
.700 .0430  
.899 -.0811

MMON ( 2 ) = 1.829 BETA ( 2 ) = -1.960 RVL = 7.400

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4996 .6360 .7770

K/C

.102 .0100  
.301 -.3448  
.500 -.1642 -.3933 -.4480 -.6886  
.700 .0259  
.899 -.0801

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DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TMT 201 - 1A69

(87-8025)

1A69 CI F1 M(1) UPPER MING SURFACE

MAG: ( 2) = 1.209 BETA ( 3) = -.040 RWL = 7.400

SECTION ( 1) UPPER MING DEPENDENT VARIABLE OF

Z/F 21/8 .3610 .4996 .6380 .7770

Z/C	.102	.0000
.301	-.3073	
.500	-.1167	-.6636
.700	-.0006	-.4010
.899	-.1232	-.4797

MAG: ( 2) = 1.209 BETA ( 4) = 1.670 RWL = 7.400

SECTION ( 1) UPPER MING DEPENDENT VARIABLE OF

Z/F 21/8 .3610 .4996 .6380 .7770

Z/C	.102	.0000
.301	-.2567	
.500	-.1137	-.1793
.700	-.0382	-.3403
.899	-.1593	-.4452

MAG: ( 2) = 1.209 BETA ( 5) = 3.920 RWL = 7.400

SECTION ( 1) UPPER MING DEPENDENT VARIABLE OF

Z/F 21/8 .3610 .4996 .6380 .7770

Z/C	.102	.0000
.301	-.1651	
.500	-.1356	-.1852
.700	-.0766	-.2862
.899	-.1697	-.3594

MAG: ( 3) = 1.503 BETA ( 1) = -3.970 RWL = 9.000

SECTION ( 1) UPPER MING DEPENDENT VARIABLE OF

Z/F 21/8 .3610 .4996 .6380 .7770

Z/C	.102	.0620
.301	-.2962	
.500	-.2616	-.3427
.700	-.1572	-.3695
.899	-.0215	-.3710



TABULATED SOURCE DATA, R.I. TWT 201 - 1A69

(FFAUS)

UPPER MING SURFACE

MACH ( 3) = 1.503 BETA ( 2) = -2.030 RV/L = 9.600

SECTION ( 1) UPPER MING DEPENDENT VARIABLE OF

Z/T/B .3610 .4996 .6360 .7770

Z/C

.102 .0825  
.301 -.2473  
.500 -.2465 -.3414 -.3697 -.3660  
.700 -.1411  
.899 -.0046

MACH ( 3) = 1.503 BETA ( 3) = -.130 RV/L = 9.600

SECTION ( 1) UPPER MING DEPENDENT VARIABLE OF

Z/T/B .3610 .4996 .6360 .7770

Z/C

.102 .0295  
.301 -.2432  
.500 -.2378 -.3328 -.3686 -.3636  
.700 -.0954  
.899 .0042

MACH ( 3) = 1.503 BETA ( 4) = 1.600 RV/L = 9.600

SECTION ( 1) UPPER MING DEPENDENT VARIABLE OF

Z/T/B .3610 .4996 .6360 .7770

Z/C

.102 .0177  
.301 -.2353  
.500 -.2463 -.2599 -.3533 -.3626  
.700 -.0745  
.899 -.0931

MACH ( 3) = 1.503 BETA ( 5) = 3.040 RV/L = 9.600

SECTION ( 1) UPPER MING DEPENDENT VARIABLE OF

Z/T/B .3610 .4996 .6360 .7770

Z/C

.102 .0017  
.301 -.2111  
.500 -.1102 -.2114 -.3179 -.3515  
.700 -.0709  
.899 -.0619

(RELAUS)

UPPER MING SURFACE

1A69 C3 F1 M1(1)

MACH ( 4 ) = 1.991 BETA ( 1 ) = -3.790 RVL = 13.600

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .0870  
.301 -.1489  
.500 -.1608 -.2315 -.2194 -.2015  
.700 -.2075  
.899 -.0707

MACH ( 4 ) = 1.991 BETA ( 2 ) = -1.870 RVL = 13.600

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .0535  
.301 -.1465  
.500 -.1594 -.2210 -.2219 -.2127  
.700 -.1816  
.899 -.0661

MACH ( 4 ) = 1.991 BETA ( 3 ) = -.010 RVL = 13.600

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .0565  
.301 -.1460  
.500 -.1572 -.2141 -.2127 -.2145  
.700 -.1665  
.899 -.0765

MACH ( 4 ) = 1.991 BETA ( 4 ) = 1.950 RVL = 13.600

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .0521  
.301 -.1344  
.500 -.1421 -.2024 -.2074 -.2061  
.700 -.1233  
.899 -.0737



TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(68-403)

UPPER MING SURFACE

IAGS C1 F1 M(1)

RM/L = 13.873

BETA ( 5 ) = 3.790

MACH ( 4 ) = 1.991

DEPENDENT VARIABLE C

SECTION ( 1 ) UPPER MING

Z1/B .3610 .4996 .6390 .7770

X/C

.102	.0431
.301	-.1274
.500	-.1399
.700	-.1960
.899	-.2080
	-.2000
	-.1169
	-.0704

TABLATED SOURCE DATA, R.I. TMF 201 - 1A68

DATE 01 OCT 74

(RFAUJ3) ( 14 APR 74 )

1A68 C1 F1 M2(1) UPPER WING SURFACE

PARAMETRIC DATA

BETA = .020

REFERENCE DATA

SREF = 2680.0000 SQ.FT. XMRP = .0000  
LREF = 1328.3000 IN. YMRP = .0000  
BREF = 1328.3000 IN. ZMRP = .0000  
SCALE = .0040

MAG1 ( 1 ) = .696 ALPHA ( 1 ) = .000 RVL = 6.500

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 -.1662  
.301 -.5882  
.500 -.3499 -.3985 -.6323 -.6412  
.700 -.4201  
.899 -.3506

MAG1 ( 2 ) = 1.223 ALPHA ( 1 ) = .000 RVL = 7.300

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 -.0339  
.301 -.3492  
.500 -.1308 -.3556 -.4256 -.4427  
.700 -.0082  
.899 -.0695



## REFERENCE DATA

SEF = 2890.0000 SQ.FT. MRP = .0000  
 LEF = 1328.3000 IN. YRP = .0000  
 BEF = 1328.3000 IN. ZRP = .0000  
 SCALE = .0040

MACH ( 1 ) = .686 ALPHA ( 1 ) = -3.870 RVL = 6.600

## SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 .1333  
 .301 -.3022  
 .500 -.2373  
 .700 -.3925  
 .899 -.2104

BETA = .000

## PARAMETRIC DATA

MACH ( 1 ) = .686 ALPHA ( 2 ) = -1.980 RVL = 6.600

## SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 .0216  
 .301 -.3921  
 .500 -.2376  
 .700 -.4037  
 .899 -.2036

MACH ( 1 ) = .686 ALPHA ( 3 ) = .000 RVL = 6.600

## SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 -.1015  
 .301 -.4568  
 .500 -.3023  
 .700 -.4187  
 .899 -.1627

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DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TMT 201 - 1A69

(RF-4UJ7)

1A69 C1 F1 M2(1) ↑ FILLET UPPER WING SURFACE

MACH ( 1 ) = .686 ALPHA ( 4 ) = 1.690 RVL = 6.600

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C

.102 -.2355  
.301 -.6196  
.500 -.3576  
.700 -.4251  
.899 -.1156

MACH ( 1 ) = .686 ALPHA ( 5 ) = 3.790 RVL = 6.600

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C

.102 -.3794  
.301 -.7167  
.500 -.4082  
.700 -.3295  
.899 -.1324

MACH ( 2 ) = 1.206 ALPHA ( 1 ) = -3.950 RVL = 7.400

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C

.102 .2436  
.301 -.0402  
.500 .0213  
.700 .0175  
.899 -.1107

MACH ( 2 ) = 1.206 ALPHA ( 2 ) = -2.000 RVL = 7.400

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C

.102 .1965  
.301 -.1975  
.500 -.0371  
.700 .0288  
.899 -.1218





DATE OF OCT 74  
TABULATED SOURCE DATA, R.I. TMT 281 - 1A68  
1A68 C1 F1 M2(1) + FILLET UPPER MING SURFACE  
(RF4UJ37)

MA01 ( 2) = 1.206 ALPHA ( 3) = -.070 RVL = 7.400

SECTION ( 1) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 .0420  
.301 -.2634  
.500 -.1731 -.3509 -.4322  
.700 -.0121  
.899 -.1215

MA01 ( 2) = 1.206 ALPHA ( 4) = 1.670 RVL = 7.400

SECTION ( 1) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 -.0655  
.301 -.3399  
.500 -.1737 -.3562 -.4445 -.5153  
.700 -.0167  
.899 -1.1405

MA01 ( 2) = 1.206 ALPHA ( 5) = 3.650 RVL = 7.400

SECTION ( 1) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 -.1648  
.301 -.4140  
.500 -.2873 -.4639 -.5284 -.6110  
.700 -.0738  
.899 -.1716

MA01 ( 3) = 1.503 ALPHA ( 1) = 3.350 RVL = 9.600

SECTION ( 1) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 .1596  
.301 -.1244  
.500 -.0273 -.1529 -.2251 -.2536  
.700 .0236  
.899 .0214



DATE 01 OCT 74

TABLATED SOURCE DATA, R.I. TMT 261 - 1A69

(RF4U077)

1A69 C1 F1 M2(1) + FILLET UPPER WING SURFACE

MACH ( 3) = 1.503 ALPHA ( 2) = -1.900 RWL = 9.600

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6360 .7770

X/C

.102 .0794  
.301 -.1827  
.500 -.0827 -.2408 -.2524 -.3044  
.700 .0222  
.899 .0082

MACH ( 3) = 1.503 ALPHA ( 3) = .010 RWL = 9.600

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6360 .7770

X/C

.102 .0276  
.301 -.2353  
.500 -.1486 -.2336 -.3466 -.3555  
.700 -.0455  
.899 -.0046

MACH ( 3) = 1.503 ALPHA ( 4) = 1.940 RWL = 9.600

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6360 .7770

X/C

.102 -.0213  
.301 -.2804  
.500 -.2315 -.3481 -.3624 -.3668  
.700 -.0850  
.899 -.0366

MACH ( 3) = 1.503 ALPHA ( 5) = 3.610 RWL = 9.600

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6360 .7770

X/C

.102 -.1026  
.301 -.3145  
.500 -.2755 -.3914 -.4262 -.4082  
.700 -.1165  
.899 -.0798



(5F4UD7)

1A68 CI F1 N2C1) + FILLET UPPER MING SURFACE

MAC1 ( 4) = 1.991 ALPHA ( 1) = -4.080 RVL = 10.600

SECTION ( 1) UPPER MING DEPENDENT VARIABLE O'

Z/Y	.3610	.4996	.6380	.7770
X/C				
.10E				.1660
.30E				-.0803
.50E	-.0809			-.1394
.70E				-.0856
.89E				.0259

MAC1 ( 4) = 1.991 ALPHA ( 2) = -1.900 RVL = 10.600

SECTION ( 1) UPPER MING DEPENDENT VARIABLE O'

Z/Y	.3610	.4996	.6380	.7770
X/C				
.10E				.1064
.30E				-.0846
.50E	-.1169			-.1708
.70E				-.0966
.89E				-.0142

MAC1 ( 4) = 1.991 ALPHA ( 3) = .100 RVL = 10.600

SECTION ( 1) UPPER MING DEPENDENT VARIABLE O'

Z/Y	.3610	.4996	.6380	.7770
X/C				
.10E				.0258
.30E				-.1346
.50E	-.1477			-.2016
.70E				-.1408
.89E				-.0546

MAC1 ( 4) = 1.991 ALPHA ( 4) = 2.120 RVL = 10.600

SECTION ( 1) UPPER MING DEPENDENT VARIABLE O'

Z/Y	.3610	.4996	.6380	.7770
X/C				
.10E				-.0290
.30E				-.1663
.50E	-.1728			-.2314
.70E				-.1766
.89E				-.1025



TABULATED SOURCE DATA, R.I. TRF 891 - 1469

(5F4U07)

1469 C1 F1 M2(1) + FILLET UPPER MING SURFACE

MACH (4) = 1.991 ALPHA (5) = 4.070 RVL = 10.600

SECTION ( UPPER MING DEPENDENT VARIABLE OF

Z/Y

.102	-.0633
.204	-.1267
.307	-.1901
.410	-.2535
.513	-.3169
.616	-.3803
.719	-.4437
.822	-.5071
.925	-.5705
1.028	-.6339
1.131	-.6973
1.234	-.7607
1.337	-.8241
1.440	-.8875
1.543	-.9509
1.646	-.1014
1.749	-.1648
1.852	-.2282
1.955	-.2916
2.058	-.3550
2.161	-.4184
2.264	-.4818
2.367	-.5452
2.470	-.6086
2.573	-.6720
2.676	-.7354
2.779	-.7988
2.882	-.8622
2.985	-.9256
3.088	-.9890
3.191	-.1014
3.294	-.1648
3.397	-.2282
3.500	-.2916
3.603	-.3550
3.706	-.4184
3.809	-.4818
3.912	-.5452
4.015	-.6086
4.118	-.6720
4.221	-.7354
4.324	-.7988
4.427	-.8622
4.530	-.9256
4.633	-.9890
4.736	-.1014
4.839	-.1648
4.942	-.2282
5.045	-.2916
5.148	-.3550
5.251	-.4184
5.354	-.4818
5.457	-.5452
5.560	-.6086
5.663	-.6720
5.766	-.7354
5.869	-.7988
5.972	-.8622
6.075	-.9256
6.178	-.9890
6.281	-.1014
6.384	-.1648
6.487	-.2282
6.590	-.2916
6.693	-.3550
6.796	-.4184
6.899	-.4818
7.002	-.5452
7.105	-.6086
7.208	-.6720
7.311	-.7354
7.414	-.7988
7.517	-.8622
7.620	-.9256
7.723	-.9890
7.826	-.1014
7.929	-.1648
8.032	-.2282
8.135	-.2916
8.238	-.3550
8.341	-.4184
8.444	-.4818
8.547	-.5452
8.650	-.6086
8.753	-.6720
8.856	-.7354
8.959	-.7988
9.062	-.8622
9.165	-.9256
9.268	-.9890
9.371	-.1014
9.474	-.1648
9.577	-.2282
9.680	-.2916
9.783	-.3550
9.886	-.4184
9.989	-.4818



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TABULATED SOURCE DATA, R.I. INT 201 - 1A60

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1A60 CI F1 M(1) + FILLET UPPER MING SURFACE

STF4000 ( 18 APR 74 )

REFERENCE DATA

REF = 2880.0000 84. FT. 344P = .0000  
LREF = 1320.0000 IN. 144P = .0000  
BREF = 1320.0000 IN. 244P = .0000  
SCALE = .0040

PARAMETRIC DATA

ALPHA = .000

MAG1 ( 1 ) = .686 BETA ( 1 ) = -3.830 RMVL = 6.700

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 -.1801  
.301 -.5008  
.500 -.2430 -.3452 -.6130 -.8211  
.700 -.3284  
.899 -.0009

MAG1 ( 1 ) = .686 BETA ( 2 ) = -1.930 RMVL = 6.700

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 -.1901  
.301 -.5483  
.500 -.2809 -.3925 -.6140 -.8083  
.700 -.3881  
.899 -.0863

MAG1 ( 1 ) = .686 BETA ( 3 ) = -.030 RMVL = 6.700

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 -.1117  
.301 -.4813  
.500 -.3035 -.3720 -.3917 -.7956  
.700 -.4146  
.899 -.1493

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 201 - 1A68

(RFAJ03)

1A68 CI F1 MB(1) + FILLET UPPER MINE SURFACE

MOY ( 1 ) = .696 BETA ( 4 ) = 1.660 RV/L = 6.700

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 -.0265  
.301 -.4235  
.500 -.3609 -.3934 -.5774 -.7769  
.700 -.4422  
.899 -.2288

MOY ( 1 ) = .696 BETA ( 5 ) = 3.610 RV/L = 6.700

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 -.0262  
.301 -.4050  
.500 -.3329 -.4109 -.5747 -.7645  
.700 -.4684  
.899 -.2326

MOY ( 2 ) = 1.210 BETA ( 1 ) = -3.660 RV/L = 7.500

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 .0109  
.301 -.3162  
.500 -.1114 -.2576 -.4069 -.4641  
.700 .0446  
.899 -.0745

MOY ( 2 ) = 1.210 BETA ( 2 ) = -1.630 RV/L = 7.500

SECTION ( 1 ) UPPER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 .0143  
.301 -.3008  
.500 -.1174 -.3170 -.3889 -.4472  
.700 .0302  
.899 -.0917



1A68 C1 F1 ME(1) + FILLET UPPER WING SURFACE 667-61000

MACH ( 2 ) = 1.210 BETA ( 3 ) = .140 RWL = 7.500

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C

.102 .0266  
.301 -.2680  
.500 -.1086  
.700 -.0081  
.899 -.1257

MACH ( 2 ) = 1.210 BETA ( 4 ) = 2.130 RWL = 7.500

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C

.102 .0433  
.301 -.2436  
.500 -.1028  
.700 -.0342  
.899 -.1216

MACH ( 2 ) = 1.210 BETA ( 5 ) = 4.070 RWL = 7.500

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C

.102 .0314  
.301 -.1860  
.500 -.1275  
.700 -.0264  
.899 -.1695

MACH ( 3 ) = 1.991 BETA ( 1 ) = -3.600 RWL = 10.600

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C

.102 .0566  
.301 -.1372  
.500 -.1939  
.700 -.1674  
.899 -.0566



TABLED SOURCE DATA, R.I. TWT 200 - 1468

(FF-6J3)

1468 CI F1 ME(1) + FILLET UPPER WING SURFACE

MMO1 ( 3) = 1.991 BETA ( 2) = -1.760 RV/L = 10.600

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102	.0800
.301	-.1393
.500	-.1929
.700	-.2061
.899	-.2108
	-.2029
	-.1617
	-.0630

MMO1 ( 3) = 1.991 BETA ( 3) = .210 RV/L = 10.600

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102	.0897
.301	-.1346
.500	-.1491
.700	-.2047
.899	-.2037
	-.2001
	-.1449
	-.0637

MMO1 ( 3) = 1.991 BETA ( 4) = 2.160 RV/L = 10.600

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102	.0535
.301	-.1290
.500	-.1424
.700	-.1970
.899	-.2038
	-.1969
	-.1191
	-.0602

MMO1 ( 3) = 1.991 BETA ( 5) = 4.080 RV/L = 10.600

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102	.0425
.301	-.1245
.500	-.1129
.700	-.1661
.899	-.2073
	-.1964
	-.1026
	-.0478





UPPER MING SURFACE

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

REF = 2690.0000 IN. FT. XPRP = .0000  
 LREF = 1328.3000 IN. YPRP = .0000  
 RREF = 1328.3000 IN. ZPRP = .0000  
 SCALE = .0040

MOY ( 1 ) = .696 ALPHA ( 1 ) = -3.900 RV/L = 6.500

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6366 .7770

X/C

.102 -.0276  
 .301 -.4045  
 .500 -.2616 -.3636 -.5370 -.7042  
 .700 -.3993  
 .899 -.3085

MOY ( 1 ) = .696 ALPHA ( 2 ) = -1.940 RV/L = 6.500

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6366 .7770

X/C

.102 -.1227  
 .301 -.6108  
 .500 -.3105 -.3590 -.5683 -.7804  
 .700 -.3993  
 .899 -.3234

MOY ( 1 ) = .696 ALPHA ( 3 ) = .000 RV/L = 6.500

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6366 .7770

X/C

.102 -.2146  
 .301 -.6885  
 .500 -.3734 -.4226 -.7246 -.8855  
 .700 -.4129  
 .899 -.2934



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TABULATED SOURCE DATA, No. 1, INT 201 - 1A, 9

08-4029)

1A69 CI F1 M(1) M(1) UPPER WING SURFACE

MACH ( 1 ) = .696 ALPHA ( 4 ) = 1.910 RWL = 6.500

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C

.102 -.3034  
.301 -.7916  
.500 -.6832  
.700 -.4159  
.899 -.8085

MACH ( 1 ) = .696 ALPHA ( 5 ) = 3.840 RWL = 6.500

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C

.102 -.3666  
.301 -.6448  
.500 -.6024  
.700 -.3789  
.899 -.2163

MACH ( 2 ) = 1.259 ALPHA ( 1 ) = -3.940 RWL = 7.200

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C

.102 .2220  
.301 -.2366  
.500 -.1391  
.700 .0181  
.899 -.1186

MACH ( 2 ) = 1.209 ALPHA ( 2 ) = -1.960 RWL = 7.500

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C

.102 .1526  
.301 -.2695  
.500 -.2199  
.700 .0013  
.899 -.1214





DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 201 - 1A68

(SFAUD9)

1A68 C3 F1 MS(1) M(1) UPPER MING SURFACE

MACH ( 2 ) = 1.208 ALPHA ( 3 ) = -.080 RVL = 7.800

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 .0069  
.301 -.3083  
.500 -.3084 -.4335 -.4696 -.5065  
.700 -.0963  
.899 -.1292

MACH ( 2 ) = 1.208 ALPHA ( 4 ) = 1.900 RVL = 7.800

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 .0204  
.301 -.3508  
.500 -.3777 -.4725 -.5335 -.5697  
.700 -.0944  
.899 -.1336

MACH ( 2 ) = 1.208 ALPHA ( 5 ) = 3.000 RVL = 7.800

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 -.0543  
.301 -.3947  
.500 -.4216 -.5087 -.5737 -.6143  
.700 -.1242  
.899 -.1526

MACH ( 3 ) = 1.503 ALPHA ( 1 ) = -3.000 RVL = 9.600

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 .2202  
.301 -.1225  
.500 -.1969 -.2522 -.2671 -.2831  
.700 -.0399  
.899 .0236



(REFLECT)

IAGS CI FI MS(1) M(1) UPPER MING SURFACE

MACH ( 3 ) = 1.503 ALPHA ( 2 ) = -1.655 RV/L = 9.600

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .1561  
.301 -.1564  
.500 -.2169 -.2747 -.3009 -.2666  
.700 -.0974  
.699 -.0072

MACH ( 3 ) = 1.503 ALPHA ( 3 ) = .120 RV/L = 9.600

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .1058  
.301 -.2002  
.500 -.2570 -.3020 -.3294 -.3305  
.700 -.1482  
.699 -.0398

MACH ( 3 ) = 1.503 ALPHA ( 4 ) = 2.120 RV/L = 9.600

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .0291  
.301 -.2325  
.500 -.2530 -.3234 -.3603 -.3668  
.700 -.2071  
.699 -.0802

MACH ( 3 ) = 1.503 ALPHA ( 5 ) = 4.030 RV/L = 9.600

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 -.0054  
.301 -.2627  
.500 -.2685 -.3500 -.3900 -.4045  
.700 -.2697  
.699 -.1058



PARAMETRIC DATA

ALPHA = .000

REFERENCE DATA

REF = 2680.0000 SQ.FT. WARP = .0000  
LREF = 1328.3000 IN. WARP = .0000  
SREF = 1328.3000 IN. ZARP = .0000  
SCALE = .0040

MACH ( 1 ) = .697 BETA ( 1 ) = -3.960 RV/L = 6.900

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE OF

Z/Y/Z .3610 .4996 .6360 .7770

X/Y .102 -.1474  
.301 -.6425  
.500 -.3377 -.5720 -.6701 -.6460  
.700 -.3722  
.899 -.0761

MACH ( 1 ) = .697 BETA ( 2 ) = -1.970 RV/L = 6.900

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE OF

Z/Y/Z .3610 .4996 .6360 .7770

X/Y .102 -.1877  
.301 -.6717  
.500 -.3500 -.4050 -.7099 -.6973  
.700 -.3994  
.899 -.1472

MACH ( 1 ) = .667 BETA ( 3 ) = -.080 RV/L = 6.900

SECTION ( 1 ) UPPER MING DEPENDENT VARIABLE OF

Z/Y/Z .3610 .4996 .6360 .7770

X/Y .102 -.2322  
.301 -.7072  
.500 -.3630 -.4357 -.7464 -.9111  
.700 -.4163  
.899 -.2462

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



08F4U102

1A68 C1 F1 MS(1) M(1) UPPER WING SURFACE

MACH ( 1 ) = .697 BETA ( 4 ) = 1.630 RV/L = 6.500

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C	
.102	-.2640
.301	-.7555
.500	-.4014
.700	-.4468
.899	-.7259
	-.9340

MACH ( 1 ) = .697 BETA ( 5 ) = 3.640 RV/L = 6.500

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C	
.102	
.301	
.500	.515
.700	-.9399

MACH ( 2 ) = 1.210 BETA ( 1 ) = -3.990 RV/L = 7.400

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C	
.102	.1750
.301	-.2705
.500	-.1883
.700	-.3659
.899	-.4131
	-.4976
	.0398
	-.0799

MACH ( 2 ) = 1.210 BETA ( 2 ) = -2.070 RV/L = 7.400

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C	
.102	.1362
.301	-.2899
.500	-.2479
.700	-.4079
.899	-.4571
	-.5178
	-.0054
	-.1081



TABLATED SOURCE DATA, R.I. TRF 281 - 1A68

6RF4U10)

1A68 CI F1 NS(1) M(1) UPPER MING SURFACE

MOA ( 2) = 1.210 BETA ( 3) = -.130 RV/L = 7.400

SECTION ( 1) UPPER MING DEPENDENT VARIABLE CP

ZT/B .3610 .4996 .6360 .7770

X/C

.102	.0805
.301	-.3052
.500	-.4341
.700	-.0534
.899	-.1320

MOA ( 2) = 1.210 BETA ( 4) = 1.620 RV/L = 7.400

SECTION ( 1) UPPER MING DEPENDENT VARIABLE CP

ZT/B .3610 .4996 .6360 .7770

X/C

.102	.0161
.301	-.3362
.500	-.3572
.700	-.0923
.899	-.1540

MOA ( 2) = 1.210 BETA ( 5) = .3780 RV/L = 7.400

SECTION ( 1) UPPER MING DEPENDENT VARIABLE CP

ZT/B .3610 .4996 .6360 .7770

X/C

.102	-.0600
.301	-.3784
.500	-.4165
.700	-.1317
.899	-.1936

1A68 C1 F1 M1 (1)

UPPER WING SURFACE

(RF40J1) ( 19 APR 74 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = .0000  
 LREF = 1328.5000 IN. YMRP = .0000  
 BREF = 1328.5000 IN. ZMRP = .0000  
 SCALE = .0040

BETA = .000

PARAMETRIC DATA

MACH ( 1 ) = 1.503 ALPHA ( 1 ) = -3.700 RV/L = 9.600

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C  
 .102 -.0823  
 .301 -.3024  
 .500 -.2771 -.3678 -.4209 -.4019  
 .700 -.1388  
 .899 -.0816

MACH ( 1 ) = 1.503 ALPHA ( 2 ) = -1.780 RV/L = 9.600

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C  
 .102 .0002  
 .301 -.2694  
 .500 -.2228 -.3563 -.3996 -.4004  
 .700 -.1197  
 .899 -.0339

MACH ( 1 ) = 1.503 ALPHA ( 3 ) = .120 RV/L = 9.600

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C  
 .102 .0638  
 .301 -.2334  
 .500 -.2261 -.3299 -.3560 -.3569  
 .700 -.0823  
 .899 .0017





DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 201 - 1A69

(RF4U11)

1A68 C1 F1 M(1) UPPER WING SURFACE

MACH ( 1 ) = 1.503 ALPHA ( 4 ) = 2.010 RWL = 9.600

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C

.102 .1127  
.301 -.2029  
.500 -.1982 -.2992 -.3945 -.3220  
.700 -.0813  
.899 .0141

MACH ( 1 ) = 1.503 ALPHA ( 5 ) = 4.040 RWL = 9.600

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C

.102 .1617  
.301 -.1680  
.500 -.1577 -.2598 -.2694 -.2044  
.700 .0271  
.899 .0299

MACH ( 2 ) = 1.991 ALPHA ( 1 ) = -3.860 RWL = 13.600

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C

.102 .1515  
.301 -.0763  
.500 -.1065 -.1618 -.1662 -.15.3  
.700 -.0909  
.899 -.0186

MACH ( 2 ) = 1.991 ALPHA ( 2 ) = -1.940 RWL = 13.600

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C

.102 .1026  
.301 -.1091  
.500 -.1286 -.1889 -.1842 -.1783  
.700 -.1302  
.899 -.2411

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RFAU11)

1A68 C1 F1 M1(1) UPPER WING SURFACE

MAO1 ( 2) = 1.991 ALPHA ( 3) = .000 RVL = 13.600

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102	.0675
.301	-.1385
.500	-.1519
.700	-.2033
.899	-.2047
	-.2080
	-.1629
	-.0708

MAO1 ( 2) = 1.991 ALPHA ( 4) = 1.980 RVL = 13.600

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102	.0108
.301	-.1658
.500	-.1726
.700	-.2322
.899	-.2366
	-.2500
	-.1861
	-.1095

MAO1 ( 2) = 1.991 ALPHA ( 5) = 3.910 RVL = 13.600

SECTION ( 1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102	-.0473
.301	-.1934
.500	-.1863
.700	-.2500
.899	-.2599
	-.2516
	-.2048
	-.1288



TABULATED SOURCE DATA, R.I. TWT 201 - 1A69

(RF4012) ( 16 APR 74 )

1A69 CI F1 ME(1) UPPER WING SURFACE

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

REF = 2690.0000 SQ.FT. WOP = .0000  
 LEF = 1328.3000 IN. WOP = .0000  
 REF = 1329.3000 IN. WOP = .0000  
 SCALE = .0040

MACH ( 1 ) = 1.225 ALPHA ( 1 ) = .000 RWL = 7.300

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6360 .7770

N/C

.102 -.0530  
 .301 -.3466  
 .500 -.1326 -.3554 -.4846 -.4482  
 .700 -.0086  
 .899 -.0281

PARAMETRIC DATA

BETA = .020

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000  
 USEF = 1328.3000 IN. YMRP = .0000  
 BRZF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

MMO1 ( 1 ) = .663 ALPHA ( 1 ) = .000 RV/L = 6.400

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE OP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0682  
 .301 .0693  
 .500 .0672 -.0007 -.0697 -.1953  
 .700 -.4498



PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SREF = 2680.0000 SQ.FT. YARP = .0000  
 LREF = 1320.0000 IN. YARP = .0000  
 BREF = 1320.0000 IN. ZARP = .0000  
 SCALE = .0040

MACH ( 1 ) = .696 ALPHA ( 1 ) = -4.000 RM/L = 6.700

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE OF

Z/B .3610 .4996 .6390 .7770

X/C  
 .102  
 .301  
 .500  
 .700

-.0697  
 .0291  
 .0044  
 -.0800  
 -.1912  
 -.4546

MACH ( 2 ) = .696 ALPHA ( 2 ) = -2.000 RM/L = 6.700

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE OF

Z/B .3610 .4996 .6390 .7770

X/C  
 .102  
 .301  
 .500  
 .700

.0127  
 .0549  
 .0174  
 -.0697  
 -.1997  
 -.4409

MACH ( 3 ) = .696 ALPHA ( 3 ) = -.000 RM/L = 6.700

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE OF

Z/B .3610 .4996 .6390 .7770

X/C  
 .102  
 .301  
 .500  
 .700

.0901  
 .0893  
 .0366  
 -.0607  
 -.1500  
 -.4312

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 201 - IA66

(REALI2)

IA66 C3 F1 LOWER MING SURFACE

MA01 ( 1) = .696 ALPHA ( 4) = 1.800 RVL = 6.700

SECTION ( 1) LOWER MING DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .1649  
.301 .1269  
.500 .1033 .0531 -.0373 -.1329  
.700 -.4252

MA01 ( 1) = .696 ALPHA ( 5) = 3.670 RVL = 6.700

SECTION ( 1) LOWER MING DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .2269  
.301 .1610  
.500 .1217 .0746 -.0217 -.1114  
.700 -.4169

MA01 ( 2) = 1.211 ALPHA ( 1) = -3.910 RVL = 7.500

SECTION ( 1) LOWER MING DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .0991  
.301 .1012  
.500 .2269 .2096 .2705 .2253  
.700 -.0582

MA01 ( 2) = 1.211 ALPHA ( 2) = -1.830 RVL = 7.500

SECTION ( 1) LOWER MING DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .1741  
.301 .1423  
.500 .2323 .2632 .3120 .2267  
.700 -.0369



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMF 281 - 1A68

(674122)

1A68 C1 F1 LOWER MINE SURFACE

MO# ( 2) = 1.211 ALPHA ( 3) = .150 RVL = 7.500

SECTION ( 1) LOWER MINE DEPENDENT VARIABLE CP

ZT/B .3610 .4996 .6380 .7770

X/C

.102 .2573  
 .301 .2561  
 .500 .3038 .3120 .2514  
 .700 -.0257

MO# ( 2) = 1.211 ALPHA ( 4) = 2.120 RVL = 7.500

SECTION ( 1) LOWER MINE DEPENDENT VARIABLE CP

ZT/B .3610 .4996 .6380 .7770

X/C

.102 .3218  
 .301 .2632  
 .500 .2845 .2599 .2513  
 .700 -.0325

MO# ( 2) = 1.211 ALPHA ( 5) = 4.030 RVL = 7.500

SECTION ( 1) LOWER MINE DEPENDENT VARIABLE CP

ZT/B .3610 .4996 .6380 .7770

X/C

.102 .3633  
 .301 .3140  
 .500 .2978 .3106 .2624  
 .700 -.0322

MO# ( 3) = 1.503 ALPHA ( 1) = -3.830 RVL = 9.700

SECTION ( 1) LOWER MINE DEPENDENT VARIABLE CP

ZT/B .3610 .4996 .6380 .7770

X/C

.102 -.1516  
 .301 .2740  
 .500 .2402 .2072 .2087 .0001  
 .700 .0874

TABLATED SOURCE DATA, R.I. TMT 261 - 1A68

(RF4L02)

1A68 C1 F1 LOWER MING SURFACE

MACH ( 3 ) = 1.503 ALPHA ( 2 ) = -1.680 RVL = 9.700

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z/R .3610 .4996 .6380 .7770

X/C

.102 -.0473  
 .301 .2634  
 .500 .2889 .2824 .0800  
 .700 .1105

MACH ( 3 ) = 1.503 ALPHA ( 3 ) = .120 RVL = 9.700

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z/R .3610 .4996 .6380 .7770

X/C

.102 .0474  
 .301 .2888  
 .500 .3548 .3334 .2256 .0800  
 .700 .1228

MACH ( 3 ) = 1.503 ALPHA ( 4 ) = 2.010 RVL = 9.700

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z/R .3610 .4996 .6380 .7770

X/C

.102 .2836  
 .301 .2926  
 .500 .3686 .3410 .3439 .0800  
 .700 .1446

MACH ( 3 ) = 1.503 ALPHA ( 5 ) = 3.950 RVL = 9.700

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z/R .3610 .4996 .6380 .7770

X/C

.102 .4004  
 .301 .3166  
 .500 .3771 .3720 .4189 .0800  
 .700 .1684





DATE OF OCT 74 TABULATED SOURCE DATA, R.I. TMT 201 - 1A69

06F4L02

1A68 CI F1 LOWER WING SURFACE

MACH ( 4 ) = 1.991 ALPHA ( 1 ) = -3.770 RVL = 10.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .0755  
 .301 -.0411  
 .500 .1685 .0836 .0000  
 .700 .1104

MACH ( 4 ) = 1.991 ALPHA ( 2 ) = -1.960 RVL = 10.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .1166  
 .301 -.0160  
 .500 .2361 .2121 .1488 .0000  
 .700 .1284

MACH ( 4 ) = 1.991 ALPHA ( 3 ) = .080 RVL = 10.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .1593  
 .301 .0805  
 .500 .2811 .2683 .2356 .0000  
 .700 .1742

MACH ( 4 ) = 1.991 ALPHA ( 4 ) = 2.050 RVL = 10.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .1467  
 .301 .0864  
 .500 .3193 .3334 .3327 .0000  
 .700 .2109

TABLATED SOURCE DATA, R.I. TMT 261 - 1A68

(5F4L02)

LOWER MING SURFACE

1A68 C1 F1

MNO1 ( 4 ) = 1.991 ALPHA ( 5 ) = 4.050 RNL = 10.800

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .1851  
.301 .2916  
.500 .3670 .3614 .0000  
.700 .2380



PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000  
 LREF = 1328.3000 IN. YMRP = .0000  
 BREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

ALPHA = .100

MACH ( 1 ) = .699 BETA ( 1 ) = -3.790 RV/L = 6.600

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE OP

ZY/B .3610 .4996 .6390 .7770

X/C

.102 .1866  
 .301 .1799  
 .500 .2274 .1235 .0071 -.1117  
 .700 -.3822

MACH ( 1 ) = .699 BETA ( 2 ) = -1.860 RV/L = 6.600

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE OP

ZY/B .3610 .4996 .6390 .7770

X/C

.102 .1431  
 .301 .1357  
 .500 .1610 .0805 -.0204 -.1334  
 .700 -.4005

MACH ( 1 ) = .699 BETA ( 3 ) = .080 RV/L = 6.600

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE OP

ZY/B .3610 .4996 .6390 .7770

X/C

.102 .1036  
 .301 .0955  
 .500 .0868 .0923 -.0462 -.1517  
 .700 -.4341

TABULATED SOURCE DATA, R.I. TMF 281 - 1A68

(REFALDS)

LOWER WING SURFACE

DATE 01 OCT 74

1A68 CI F1

MACH ( 1 ) = .699 BETA ( 4 ) = 1.970 RV/L = 6.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C  
 .102 .0660  
 .301 .0572  
 .500 .0351 -.0255 -.0816 -.1762  
 .700 -.4617

MACH ( 1 ) = .699 BETA ( 5 ) = 3.970 RV/L = 6.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C  
 .102 .0663  
 .301 .0519  
 .500 .0314 -.0446 -.1143 -.2044  
 .700 -.4521

MACH ( 2 ) = 1.1 BETA ( 1 ) = -3.690 RV/L = 7.500

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C  
 .102 .3076  
 .301 .3640  
 .500 .4608 .4100 .3506 .2747  
 .700 .0317

MACH ( 2 ) = 1.211 BETA ( 2 ) = -1.900 RV/L = 7.500

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C  
 .102 .2870  
 .301 .3136  
 .500 .4045 .3734 .3364 .2628  
 .700 .0146



TABLATED SOURCE DATA, R.I. TMT 201 - 1A69

(REFLDS)

LOWER MING SURFACE

1A69 C1 F1

MACH ( 2) = 1.211 BETA ( 3) = .000 RV/L = 7.900

SECTION ( 1) LOWER MING DEPENDENT VARIABLE CP

21/8	.3610	.4996	.6380	.7770
Y/C				
.102		.2801		
.301		.2463		
.500	.2906	.3038	.3019	.8489
.700		-.0216		

MACH ( 2) = 1.211 BETA ( 4) = 1.900 RV/L = 7.900

SECTION ( 1) LOWER MING DEPENDENT VARIABLE CP

21/8	.3610	.4996	.6380	.7770
Y/C				
.102		.2685		
.301		.2428		
.500	.2312	.2188	.2423	.2181
.700		-.0881		

MACH ( 2) = 1.211 BETA ( 5) = 3.920 RV/L = 7.900

SECTION ( 1) LOWER MING DEPENDENT VARIABLE CP

21/8	.3610	.4996	.6380	.7770
Y/C				
.102		.2594		
.301		.2370		
.500	.2247	.1727	.1825	.1736
.700		-.1363		

MACH ( 3) = 1.503 BETA ( 1) = -3.910 RV/L = 9.800

SECTION ( 1) LOWER MING DEPENDENT VARIABLE CP

21/8	.3610	.4996	.6380	.7770
Y/C				
.102		.0729		
.301		.4205		
.500	.4747	.0000	.4784	.4559
.700		.2281		

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMF 201 - 1A66

(RF4L03)

LOWER MING SURFACE

1A66 CI F1

MACH ( 3) = 1.503 BETA ( 2) = -1.960 RV/L = 9.600

SECTION ( 1) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .0462  
.301 .3638  
.500 .4120 .0000 .4236 .4394  
.700 .1939

MACH ( 3) = 1.503 BETA ( 3) = -.070 RV/L = 9.600

SECTION ( 1) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .0812  
.301 .2919  
.500 .3637 .0000 .3394 .4198  
.700 .1286

MACH ( 3) = 1.503 BETA ( 4) = 1.910 RV/L = 9.600

SECTION ( 1) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .2201  
.301 .2605  
.500 .2896 .0000 .2412 .2949  
.700 .1091

MACH ( 3) = 1.503 BETA ( 5) = 3.960 RV/L = 9.600

SECTION ( 1) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .2801  
.301 .2463  
.500 .2465 .0000 .1961 .2100  
.700 .0192



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 201 - 1A69

09F4L031

1A69 CI F1 LOWER WING SURFACE

MACH ( 4 ) = 1.991 BETA ( 1 ) = -3.632 RV/L = 13.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C  
.102 .1500  
.301 .0904  
.500 .2981 .0866 .0000  
.700 .3498

MACH ( 4 ) = 1.991 BETA ( 2 ) = -1.900 RV/L = 13.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C  
.102 .1409  
.301 .0632  
.500 .2385 .0986 .0000  
.700 .2974

MACH ( 4 ) = 1.991 BETA ( 3 ) = .050 RV/L = 13.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C  
.102 .1521  
.301 .0262  
.500 .2699 .2552 .0000  
.700 .1801

MACH ( 4 ) = 1.991 BETA ( 4 ) = 2.050 RV/L = 13.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C  
.102 .1091  
.301 .1085  
.500 .2373 .2565 .0000  
.700 .1460



DATE 03 OCT 74

TABULATED SOURCE DATA, R.I. TMT 801 - 1A69

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1A69 CI F1 LOWER MING SURFACE (RF4LDS)

MIN (4) = 1.991 BETA (5) = 3.000 RVL = 13.600

SECTION ( 3 ) LOWER MING DEPENDENT VARIABLE CP

ST/9 .3610 .4006 .6360 .7770

X/C

.102

.0872

.301

.1967

.503

.2137

.700

.2180

.0000





TABLATED SOURCE DATA, R.I. TMT 261 - 1A68

(RF4LDA) ( 18 APR 74 )

1A68 C1 F1 M (1) LOWER MINE SURFACE

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

REF = 2690.000 SQ.FT. MRP = .0000  
 LRF = 1329.3000 IN. MRP = .0000  
 BRP = 1329.3000 IN. ZRP = .0000  
 SCALE = .0040

MCH ( 1 ) = .686 ALPHA ( 1 ) = -3.970 RM/L = 6.500

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE CP

Z/Y .3610 .4996 .6360 .7770

Z/C  
 .102  
 .301  
 .500  
 .700  
 -.0861  
 .0165  
 .0049  
 -.0082  
 -.1979  
 -.4548

MCH ( 2 ) = .686 ALPHA ( 2 ) = -2.000 RM/L = 6.500

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE CP

Z/Y .3610 .4996 .6360 .7770

Z/C  
 .102  
 .301  
 .500  
 .700  
 .0000  
 .0000  
 .0000  
 .0000  
 .0000

MCH ( 3 ) = .686 ALPHA ( 3 ) = .000 RM/L = 6.500

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE CP

Z/Y .3610 .4996 .6360 .7770

Z/C  
 .102  
 .301  
 .500  
 .700  
 .0000  
 .0000  
 .0000  
 .0000  
 .0000

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABLATED SOURCE DATA, R.I. TRF 281 - 1468

(REF:104)

1468 C1 F1 M(1) LOWER WING SURFACE

MACI ( 1 ) = .686 ALPHA ( 4 ) = 2.000 RV/L = 6.500

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

Y/C	
.102	.0000
.301	.0000
.500	.0000
.700	.0000

MACI ( 1 ) = .686 ALPHA ( 5 ) = 304.000 RV/L = 6.500

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

Y/C	
.102	.0000
.301	.0000
.500	.0000
.700	.0000

MACI ( 2 ) = 1.211 ALPHA ( 1 ) = -3.910 RV/L = 7.400

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

Y/C	
.102	.1238
.301	.1156
.500	.2827
.700	-.0499

MACI ( 2 ) = 1.211 ALPHA ( 2 ) = -1.930 RV/L = 7.400

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

Y/C	
.102	.1931
.301	.1508
.500	.2621
.700	-.0288



TABLATED SOURCE DATA, R.I. TMT 201 - 1A68

(R74L04)

LOWER MING SURFACE

MOX ( 2 ) = 1.211 ALPHA ( 3 ) = .000 RVL = 7.400

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .2403  
.301 .1929  
.500 .2677 .2615 .2965 .2410  
.700 -.0287

MOX ( 2 ) = 1.211 ALPHA ( 4 ) = 1.950 RVL = 7.400

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .3098  
.301 .2621  
.500 .2678 .2966 .2667 .2433  
.700 -.0275

MOX ( 2 ) = 1.211 ALPHA ( 5 ) = 3.900 RVL = 7.400

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .3950  
.301 .2637  
.500 .2968 .3099 .2926 .2574  
.700 -.0294

MOX ( 3 ) = 1.503 ALPHA ( 1 ) = -3.900 RVL = 9.600

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 -.0724  
.301 .2709  
.500 .2796 .2596 .2736 .2264  
.700 .1111

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DATE 03 OCT 74

TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF4L04)

1A68 C1 F1 M1 (1) LOWER WING SURFACE

MACH (3) = 1.503 ALPHA (2) = -1.670 RWL = 9.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C

.102 .0063  
.301 .2809  
.500 .3146 .2966 .3226  
.700 .1291

MACH (3) = 1.503 ALPHA (3) = .070 RWL = 9.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C

.102 .0832  
.301 .2737  
.500 .3004 .3029 .3448  
.700 .1227

MACH (3) = 1.503 ALPHA (4) = 1.990 RWL = 9.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C

.102 .2837  
.301 .2967  
.500 .3641 .3460 .3979  
.700 .1446

MACH (3) = 1.503 ALPHA (5) = 3.930 RWL = 9.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

X/C

.102 .4067  
.301 .2877  
.500 .3605 .3532 .3796 .4530  
.700 .1405



DATE 08 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

65-41041

1A69 C1 F1 M(1) LOWER WING SURFACE

WMO1 ( 4) = 1.991 ALPHA ( 1) = -3.910 RVL = 13.600

SECTION ( 1) LOWER WING DEPENDENT VARIABLE OF

Z/F .3610 .4996 .6380 .7770

W/C

.102 .0821  
.301 -.0997  
.500 .1740 .1028 .0000  
.700 .1412

WMO1 ( 4) = 1.991 ALPHA ( 2) = -2.000 RVL = 13.600

SECTION ( 1) LOWER WING DEPENDENT VARIABLE OF

Z/F .3610 .4996 .6380 .7770

W/C

.102 .1167  
.301 .0012  
.503 .2972 .2473 .1622 .0000  
.700 .1684

WMO1 ( 4) = 1.991 ALPHA ( 3) = -.020 RVL = 13.600

SECTION ( 1) LOWER WING DEPENDENT VARIABLE OF

Z/F .3610 .4996 .6380 .7770

W/C

.102 .1428  
.301 .0999  
.500 .3086 .2970 .2699 .0000  
.700 .1699

WMO1 ( 4) = 1.991 ALPHA ( 4) = 1.910 RVL = 13.600

SECTION ( 1) LOWER WING DEPENDENT VARIABLE OF

Z/F .3610 .4996 .6380 .7770

W/C

.102 .1576  
.301 .1445  
.500 .3095 .3461 .3284 .0000  
.700 .2145

DATE 01 OCT 74  
TABULATED SOURCE DATA, R.I. TMT 261 - 1A68  
1A68 CI F1 MI (1) LOWER WING SURFACE (6F4L04)

WAV ( 4 ) = 1.991 ALPHA ( 5 ) = 3.850 RVL = 13.800

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/Y/Z .3610 .4986 .6390 .7770

X/C

.102  
.301  
.500  
.700

.1922  
.3684  
.3408  
.2925  
.2107

.0000

REFERENCE DATA PARAMETRIC DATA

XREF = 2690.0000 SAJFT. MARP = .0000  
 UREF = 1320.3000 IN. MARP = .0000  
 BREF = 1320.3000 IN. ZARP = .0000  
 SCALE = .0040 ALPHA = .000

MACH ( 1 ) = .696 BETA ( 1 ) = -3.660 RWL = 6.700

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE C<sub>P</sub>

Z/B	X/C	Y/C
.3610	.4996	.6360
.7770		
	.102	.2109
	.301	.2015
	.500	.1340
	.700	.2464
		.0160
		-.1053
		-.3790

MACH ( 2 ) = .696 BETA ( 2 ) = -1.660 RWL = 6.700

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE C<sub>P</sub>

Z/B	X/C	Y/C
.3610	.4996	.6360
.7770		
	.102	.1471
	.301	.1323
	.500	.0980
	.700	.1002
		-.0103
		-.1317
		-.3926

MACH ( 3 ) = .696 BETA ( 3 ) = .030 RWL = 6.700

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE C<sub>P</sub>

Z/B	X/C	Y/C
.3610	.4996	.6360
.7770		
	.102	.0597
	.301	.0775
	.500	.0776
	.700	.0305
		-.0493
		-.1593
		-.4426

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DATE 01 OCT 74  
 TABLATE SOURCE DATA, R.I. TMT 281 - 1A69  
 1A68 C1 F1 M1(1) LOWER MING SURFACE (RF4L05)

MACH ( 1 ) = .696 BETA ( 4 ) = 1.960 RV/L = 6.700

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C  
 .102 .0091  
 .301 .0317  
 .500 .0165 -.0440 -.0691 -.1882  
 .700 -.4602

MACH ( 1 ) = .696 BETA ( 5 ) = 3.910 RV/L = 6.700

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C  
 .102 -.0022  
 .301 .0204  
 .500 .0420 -.0627 -.1513 .2397  
 .700 -.4606

MACH ( 2 ) = 1.208 BETA ( 1 ) = -3.660 RV/L = 7.400

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C  
 .102 .3499  
 .301 .3614  
 .500 .4708 .4152 .3513 .2769  
 .700 .0379

MACH ( 2 ) = 1.208 BETA ( 2 ) = -1.950 RV/L = 7.400

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C  
 .102 .2979  
 .301 .3110  
 .500 .4161 .3721 .3227 .2546  
 .700 .0136





DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 201 - 1A68

(REFALDS)

1A68 CI FI M(1) LOWER MING SURFACE

MACH ( 2 ) = 1.209 BETA ( 3 ) = -.040 RV/L = 7.400

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2584  
 .301 .2016  
 .500 .2613 .2670 .2402  
 .700 -.0282

MACH ( 2 ) = 1.209 BETA ( 4 ) = 1.970 RV/L = 7.400

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2326  
 .301 .2087  
 .500 .2063 .1623 .1962  
 .700 -.1205

MACH ( 2 ) = 1.209 BETA ( 5 ) = 3.920 RV/L = 7.400

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2041  
 .301 .1653  
 .500 .1704 .0776 .1123  
 .700 -.1682

MACH ( 3 ) = 1.503 BETA ( 1 ) = -3.970 RV/L = 9.800

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .1547  
 .301 .3966  
 .500 .4954 .5032 .4831 .5046  
 .700 .2507

TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF4L05)

1A68 CI F1 M(1) LOWER MING SURFACE

MACH ( 3 ) = 1.503 BETA ( 2 ) = -2.050 RV/L = 9.800

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .1098  
 .301 .3652  
 .500 .4244 .4209 .4520  
 .700 .2110

MACH ( 3 ) = 1.503 BETA ( 3 ) = -.130 RV/L = 9.800

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .1365  
 .301 .2760  
 .500 .3507 .3344 .3419  
 .700 .1181

MACH ( 3 ) = 1.503 BETA ( 4 ) = 1.600 RV/L = 9.800

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .2379  
 .301 .2615  
 .500 .2882 .2596 .2328 .2321  
 .700 .0907

MACH ( 3 ) = 1.503 BETA ( 5 ) = 3.640 RV/L = 9.800

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .2749  
 .301 .2585  
 .500 .2396 .1915 .1665 .1478  
 .700 -.0279



DATE 01 OCT 74  
 LABELED SOURCE DATA, R.I. TMT 261 - 1A68  
 1A68 CI F1 M(1) LOWER WING SURFACE  
 (REF:LOS)

MACH ( 4 ) = 1.991 BETA ( 1 ) = -3.790 RVL = 13.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C  
 .102 .1646  
 .301 .1127  
 .500 .3766 .3501 .3002 .0000  
 .700 .4132

MACH ( 4 ) = 1.991 BETA ( 2 ) = -1.878 RVL = 13.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C  
 .102 .1606  
 .301 .0773  
 .500 .3089 .2902 .2226 .0000  
 .700 .3923

MACH ( 4 ) = 1.991 BETA ( 3 ) = -.010 RVL = 13.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C  
 .102 .1461  
 .301 .0760  
 .500 .3130 .3117 .3040 .0000  
 .700 .1919

MACH ( 4 ) = 1.991 BETA ( 4 ) = 1.950 RVL = 13.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C  
 .102 .1114  
 .301 .2019  
 .500 .2610 .2686 .2573 .0000  
 .700 .1309

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DATE 01 OCT 74

TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF4L05)

LOWER MING SURFACE

1A68 C1 F1 M1(1)

MACH ( 4 ) = 1.991 BETA ( 5 ) = 3.780 RVL = 13.600

SECTION ( 1 ) LOWER 1-ING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102

.301

.500

.700

.1735

.2216

.2100

.0692

.2030

.0000



PARAMETRIC DATA

BETA = .000

REFERENCE DATA

REF = 2690.0000 SQ.FT. WREF = .0000  
 LREF = 1329.3000 IN. WREF = .0000  
 BREF = 1329.3000 IN. WREF = .0000  
 SCALE = .0040

W01 ( 1 ) = .006 ALPHA ( 1 ) = .000 RWL = 6.300

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE C<sub>P</sub>

Z1/B .3610 .4996 .6390 .7770

X/C

.102 .0276  
 .301 .0415  
 .500 .0827 .0211 -.0753 -.1657  
 .700 -.4353

W01 ( 2 ) = 1.225 ALPHA ( 1 ) = .000 RWL = 7.300

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE C<sub>P</sub>

Z1/B .3610 .4996 .6390 .7770

X/C

.102 .1705  
 .301 .0763  
 .500 .2691 .3082 .3331 .2461  
 .700 -.0845

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PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. WARP = .0000  
 UREF = 1328.3000 IN. WARP = .0000  
 BREF = 1328.3000 IN. ZARP = .0000  
 SCALE = .0040

MAO1 ( 1 ) = .696 ALPHA ( 1 ) = -3.670 RVL = 6.600

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z/Y/B	.3610	.4996	.6380	.7770
-------	-------	-------	-------	-------

X/C

.102	-.0866
.301	-.0213
.500	-.0010
.700	-.0836
	-.1250
	-.1998
	-.4781

MAO1 ( 2 ) = .696 ALPHA ( 2 ) = -1.920 RVL = 6.600

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z/Y/B	.3610	.4996	.6380	.7770
-------	-------	-------	-------	-------

X/C

.102	-.0403
.301	.0153
.500	.0102
.700	-.0429
	-.0786
	-.1564
	-.4608

MAO1 ( 3 ) = .696 ALPHA ( 3 ) = .000 RVL = 6.600

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z/Y/B	.3610	.4996	.6380	.7770
-------	-------	-------	-------	-------

X/C

.102	.0562
.301	.0570
.500	.0469
.700	.0033
	-.0627
	-.1514
	-.4473



DATE 01 OCT 74  
 TABULATED SOURCE DATA, R.I. TWT 201 - 1A68  
 1A68 C1 F1 M2(1) + FILLET LOWER WING SURFACE  
 (68FALJ17)

MACH ( 1 ) = .686 ALPHA ( 4 ) = 1.890 RWL = 6.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B	.3610	.4996	.6380	.7770
Y/C				
	.102	.1273		
	.301	.1036		
	.500	.0962	.0444	-.0340
	.700			-.1256
				-.4294

MACH ( 1 ) = .686 ALPHA ( 5 ) = 3.790 RWL = 6.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B	.3610	.4996	.6380	.7770
Y/C				
	.102	.2134		
	.301	.1633		
	.500	.1488	.0799	-.0024
	.700			-.0867
				-.4294

MACH ( 2 ) = 1.206 ALPHA ( 1 ) = -3.950 RWL = 7.400

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B	.3610	.4996	.6380	.7770
Y/C				
	.102	.1245		
	.301	.1644		
	.500	.1936	.1169	.1137
	.700			.1797
				-.1477

MACH ( 2 ) = 1.206 ALPHA ( 2 ) = -2.000 RWL = 7.400

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B	.3610	.4996	.6380	.7770
Y/C				
	.102	.1737		
	.301	.1951		
	.500	.2195	.1604	.2299
	.700			.2309
				-.1299

DATE 01 OCT 74

06FAL07)

TABLATED SOURCE DATA, R.I. TWT 2M - 1A68

1A68 CI FI M2(1) + FILLET LOWER WING SURFACE

MACH ( 2) = 1.206 ALPHA ( 3) = -.070 RVL = 7.400

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

1/C

.102 .2456  
 .301 .2469  
 .500 .2558 .2586 .2681 .2561  
 .700 -.0276

MACH ( 2) = 1.206 ALPHA ( 4) = 1.870 RVL = 7.400

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

1/C

.102 .3099  
 .301 .2788  
 .500 .2696 .2779 .2797 .2499  
 .700 -.0480

MACH ( 2) = 1.206 ALPHA ( 5) = 3.850 RVL = 7.400

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

1/C

.102 .3787  
 .301 .3193  
 .500 .3026 .3144 .3086 .2699  
 .700 -.0913

MACH ( 3) = 1.503 ALPHA ( 1) = -3.850 RVL = 9.600

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

1/C

.102 -.0030  
 .301 .2083  
 .500 .1927 .1394 .1317 .0000  
 .700 -.0217





65-41077

DATE 01 OCT 74  
 TABULATED SOURCE DATA, R.I. TMT 201 - 1A69  
 1A69 C1 F1 M2(1) + FILLET LOWER MING SURFACE

MMO1 ( 3) = 1.503 ALPHA ( 2) = -1.900 RM/L = 9.600

SECTION ( 1) LOWER MING DEPENDENT VARIABLE CP

Z/Y	.3610	.4996	.6360	.7770
.102		.0650		
.301		.2519		
.500	.2286	.1913	.1667	.0000
.700		.0404		

MMO1 ( 3) = 1.503 ALPHA ( 3) = .010 RM/L = 9.600

SECTION ( 1) LOWER MING DEPENDENT VARIABLE CP

Z/Y	.3610	.4996	.5260	.7770
.102		.2008		
.301		.2416		
.500	.2685	.2512	.2502	.0000
.700		.1013		

MMO1 ( 3) = 1.503 ALPHA ( 4) = 1.940 RM/L = 9.600

SECTION ( 1) LOWER MING DEPENDENT VARIABLE CP

Z/Y	.3610	.4996	.6360	.7770
.102		.3056		
.301		.2637		
.500	.3229	.3164	.3376	.0000
.700		.1419		

MMO1 ( 3) = 1.503 ALPHA ( 5) = 3.010 RM/L = 9.600

SECTION ( 1) LOWER MING DEPENDENT VARIABLE CP

Z/Y	.3610	.4996	.6360	.7770
.102		.3696		
.301		.3125		
.500	.3912	.3915	.4541	.0000
.700		.1672		

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DATE 08 OCT 74

TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

6674L571

1A68 C1 F1 M2(1) + FILLET LOWER MING SURFACE

MMO1 ( 4 ) = 1.991 ALPHA ( 1 ) = -4.080 RVL = 10.600

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4926 .6380 .7770

X/C

.102 .0462  
.301 .0968  
.500 .1987 .1604 .0000  
.700 .0998

MMO1 ( 4 ) = 1.991 ALPHA ( 2 ) = -1.900 RVL = 10.600

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4926 .6380 .7770

X/C

.102 .1159  
.301 .0822  
.500 .1650 .2163 .1682 .0000  
.700 .1182

MMO1 ( 4 ) = 1.991 ALPHA ( 3 ) = .100 RVL = 10.600

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4926 .6380 .7770

X/C

.102 .1486  
.301 .1163  
.500 .2545 .2728 .2637 .0000  
.700 .1743

MMO1 ( 4 ) = 1.991 ALPHA ( 4 ) = 2.128 RVL = 10.600

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4926 .6380 .7770

X/C

.102 .1653  
.301 .1471  
.500 .3161 .3296 .3296 .0000  
.700 .2176



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TRF 281 - 1A68

RESULT

1A68 C1 F1 M2(1) + FILLET LOWER MING SURFACE

MACH ( 4 ) = 1.891 ALPHA ( 5 ) = 4.070 RVL = 10.600

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE OF

Z/Y/Z .3610 .4996 .7770

Z/C	.1901
.102	.1484
.301	.3343
.500	.3097
.700	.2662
	.0000

DATE 01 OCT 74

REF4LDR ( 18 APR 74 )

1A69 C1 F1 P(2) - FILLET LOWER WING SURFACE

PARAMETRIC DATA

ALPHA = .020

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XGRP = .0210  
 LREF = 1328.3000 IN. YGRP = .0210  
 GREF = 1328.3000 IN. ZGRP = .0000  
 SCALE = .0040

MACH ( 1 ) = .686 BETA ( 1 ) = -3.930 RWL = 6.700

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6360 .7770

X/C

.102 .1574  
 .301 .1640  
 .500 .2186 .1121 .0333 -.1029  
 .700 -.3853

MACH ( 1 ) = .686 BETA ( 2 ) = -1.960 RWL = 6.700

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6360 .7770

X/C

.102 .0853  
 .301 .1086  
 .500 .1473 .0669 -.0234 -.1250  
 .700 -.4087

MACH ( 1 ) = .686 BETA ( 3 ) = -.050 RWL = 6.700

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6360 .7770

X/C

.102 .0447  
 .301 .0628  
 .500 .0889 .0136 -.0568 -.1469  
 .700 -.4438

Handwritten signature or initials.



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TRF 201 - 1A69

(9F4L02)

1A69 C1 F1 M2(1) + FILL; LOWER MINE SURFACE

MCH ( 1 ) = .686 BETA ( 4 ) = 1.660 RVL = 6.700

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 .0294  
.301 .0029  
.500 .0464 -.0218 -.1644  
.700 -.4410

MCH ( 1 ) = .686 BETA ( 5 ) = 3.610 RVL = 5.700

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 .0424  
.301 .0484  
.500 .0272 -.0335 -.1177 -.1916  
.700 -.4473

MCH ( 2 ) = 1.210 BETA ( 1 ) = -3.660 RVL = 7.500

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 .2919  
.301 .3039  
.500 .4193 .3658 .3511 .2740  
.700 .0242

MCH ( 2 ) = 1.210 BETA ( 2 ) = -1.630 RVL = 7.500

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C

.102 .2572  
.301 .2290  
.500 .2956 .3204 .3372 .2839  
.700 -.0054

DATE 01 OCT 74  
 TABULATED SOURCE DATA, R.I. TMT 201 - 1A69  
 1A69 C1 F1 M2(1) + FILLET LOWER MINE SURFACE  
 (RFALD9)

MMO4 ( 2 ) = 1.210 BETA ( 3 ) = .140 RVL = 7.500

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE OF

Z1/B	.3610	.4996	.6380	.7770
X/C				
.102		.2407		
.301		.2402		
.500	.2534	.2460	.2745	.2629
.700		-.0592		

MMO4 ( 2 ) = 1.210 BETA ( 4 ) = 2.130 RVL = 7.500

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE OF

Z1/B	.3610	.4996	.6380	.7770
X/C				
.102		.2366		
.301		.2320		
.500	.2361	.2025	.2149	.2168
.700		-.1036		

MMO4 ( 2 ) = 1.210 BETA ( 5 ) = 4.070 RVL = 7.500

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE OF

Z1/B	.3610	.4996	.6380	.7770
X/C				
.102		.2258		
.301		.2162		
.500	.2106	.1756	.1644	.1761
.700		-.1413		

MMO4 ( 3 ) = 1.991 BETA ( 1 ) = -3.600 RVL = 10.600

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE OF

Z1/B	.3610	.4996	.6380	.7770
X/C				
.102		.1709		
.301		.0973		
.500	.3055	.2697	.1349	.0000
.700		.3202		



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMF 201 - 1A66

(9F4LD8)

1A66 C1 F1 M2(1) + FILLET LOWER WING SURFACE

MACH ( 3 ) = 1.991 BETA ( 2 ) = -1.760 RVL = 10.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B	.3610	.4996	.6380	.7770
X/C				
.102		.1721		
.301		.0666		
.500	.3067	.2066	.2466	.0300
.700		.2236		

MACH ( 3 ) = 1.991 BETA ( 3 ) = .210 RVL = 10.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B	.3610	.4996	.6380	.7770
X/C				
.102		.1470		
.301		.0661		
.500	.2563	.2727	.2740	.0300
.700		.1633		

MACH ( 3 ) = 1.991 BETA ( 4 ) = 2.160 RVL = 10.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B	.3610	.4996	.6380	.7770
X/C				
.102		.1149		
.301		.1606		
.500	.2500	.2191	.2413	.0300
.700		.1129		

MACH ( 3 ) = 1.991 BETA ( 5 ) = 4.060 RVL = 10.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/B	.3610	.4996	.6380	.7770
X/C				
.102		.1056		
.301		.1917		
.500	.2134	.1998	.1994	.0300
.700		.0693		

1A68 CI F1 RB(1) M(1)

LOWER WING SURFACE

(RF4L09) ( 18 APR 74 )

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XGRP = .0000  
 LREF = 1328.3000 IN. YGRP = .0000  
 BREF = 1328.3000 IN. ZGRP = .0000  
 SCALE = .0040

MACH ( 1 ) = .686 ALPHA ( 1 ) = -3.900 RVL = 6.500

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/Y  $\frac{X}{C}$

.102	-.0697
.301	.0257
.500	.0650
.700	-.4536
	-.0538
	-.1991

MACH ( 2 ) = .686 ALPHA ( 2 ) = -1.940 RVL = 6.500

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/Y  $\frac{X}{C}$

.102	-.0200
.301	.0507
.500	.0767
.700	-.4421
	-.0431
	-.1907

MACH ( 3 ) = .686 ALPHA ( 3 ) = .000 RVL = 6.500

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/Y  $\frac{X}{C}$

.102	.0519
.301	.0952
.500	.0847
.700	-.4356
	-.0402
	-.1411





06F4L034

DATE 01 OCT 74  
 TABULATED SOURCE DATA, R.I. TMT 201 - 1A68  
 1A68 CI F1 MS(1) MS(1) LOWER MINE SURFACE

MAOH ( 1 ) = .686 ALPHA ( 4 ) = 1.910 RVL = 6.500

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6360 .7770

X/C

.102 .1204  
 .301 .1214  
 .500 .1144 .0576 -.0580 -.1275  
 .700 -.4336

MAOH ( 2 ) = .686 ALPHA ( 5 ) = 3.040 RVL = 6.500

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6360 .7770

X/C

.102 .1611  
 .301 .1541  
 .500 .1306 .0731 -.0141 -.1105  
 .700 -.4316

MAOH ( 2 ) = 1.209 ALPHA ( 1 ) = -1.940 RVL = 7.200

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6360 .7770

X/C

.102 .0732  
 .301 .0957  
 .500 .2549 .2127 .2621 .2248  
 .700 -.0545

MAOH ( 2 ) = 1.209 ALPHA ( 2 ) = -1.960 RVL = 7.200

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6360 .7770

X/C

.102 .1370  
 .301 .1255  
 .500 .2559 .2606 .3086 .2567  
 .700 -.0512

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABLATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4LD9)

1A68 C1 F1 M9(1) M4(1) LOWER MING SURFACE

MACH ( 2 ) = 1.209 ALPHA ( 3 ) = -.090 RVL = 7.200

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .1682  
 .301 .1757  
 .500 .2917 .3244 .2594  
 .700 -.0273

MACH ( 2 ) = 1.209 ALPHA ( 4 ) = 1.900 RVL = 7.200

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .2560  
 .301 .2539  
 .500 .2984 .3100 .3086  
 .700 -.0235

MACH ( 2 ) = 1.209 ALPHA ( 5 ) = 3.680 RVL = 7.200

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 .3064  
 .301 .3055  
 .500 .3165 .3243 .3081 .2672  
 .700 -.0230

MACH ( 3 ) = 1.503 ALPHA ( 1 ) = -3.680 RVL = 9.600

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C  
 .102 -.1041  
 .301 .2393  
 .500 .2965 .2548 .2517 .1695  
 .700 .1176



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 201 - 1A69

69F4LD9)

1A69 CI FI MS(1) M4(1) LOWER WING SURFACE

M401 ( 3) = 1.503 ALPHA ( 2) = -1.820 RV/L = 9.800

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 -.0104  
.301 .2667  
.500 .3339 .3069 .2527  
.700 .1545

M401 ( 3) = 1.503 ALPHA ( 3) = .120 RV/L = 9.800

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .0860  
.301 .2799  
.500 .3471 .3303 .2916 .2910  
.700 .1569

M401 ( 3) = 1.503 ALPHA ( 4) = 2.120 RV/L = 9.800

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .2556  
.301 .2995  
.500 .3666 .3521 .3189 .3629  
.700 .1661

M401 ( 3) = 1.503 ALPHA ( 5) = 4.030 RV/L = 9.800

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .3918  
.301 .2914  
.500 .3771 .3751 .3617 .4755  
.700 .1613

PARAMETRIC DATA

ALPHA = .020

REFERENCE DATA

REF = 2690.0000 90.FT. 146P = .0000  
 LREF = 1328.3000 IN. 146P = .0000  
 BREF = 1328.3000 IN. 246P = .0000  
 SCALE = .0040

MACH ( 1 ) = .697 BETA ( 1 ) = -3.920 RV/L = 6.500

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B	.3610	.4996	.6380	.7770
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X/C

.102	.1455
.301	.1923
.500	.2643
.700	.4669
	-.3690

MACH ( 1 ) = .697 BETA ( 2 ) = -1.970 RV/L = 6.500

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B	.3610	.4996	.6380	.7770
-------	-------	-------	-------	-------

X/C

.102	.1136
.301	.1554
.500	.2219
.700	.4165
	-.0017
	-.1153

MACH ( 1 ) = .697 BETA ( 3 ) = -.050 RV/L = 6.500

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B	.3610	.4996	.6380	.7770
-------	-------	-------	-------	-------

X/C

.102	.0826
.301	.0950
.500	.0912
.700	.0403
	-.0403
	-.1408
	-.4371



06F8L109

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 201 - 1A69

1A69 CI F1 MS(1) MM(1) LOWER MING SURFACE

MA01 ( 1 ) = .697 BETA ( 4 ) = 1.630 RM/L = 6.500

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C  
 .102 .0421  
 .301 .0404  
 .500 -.0422 -.0859 -.1705  
 .700 -.4512

MA01 ( 1 ) = .697 BETA ( 5 ) = 3.840 RM/L = 6.500

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C  
 .102 .0630  
 .301 .0248  
 .500 .0605 -.0572 -.1311 -.2261  
 .700 -.4214

MA01 ( 2 ) = 1.210 BETA ( 1 ) = -3.930 RM/L = 7.400

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C  
 .102 .2586  
 .301 .3694  
 .500 .5065 .4418 .3632 .3027  
 .700 .0529

MA01 ( 2 ) = 1.210 BETA ( 2 ) = -2.070 RM/L = 7.400

SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6360 .7770

X/C  
 .102 .2049  
 .301 .3039  
 .500 .4406 .3947 .3503 .2827  
 .700 .0281

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF4LIU)

1A68 CI F1 M9(1) M4(1) LOWER MINE SURFACE

MACH ( 2 ) = 1.210 BETA ( 3 ) = -.130 RVL = 7.400

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2010  
.301 .1806  
.500 .2973 .3245 .2609  
.700 -.0216

MACH ( 2 ) = 1.210 BETA ( 4 ) = 1.620 RVL = 7.400

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2173  
.301 .2058  
.500 .1711 .2180 .2456  
.700 -.1063

MACH ( 2 ) = 1.210 BETA ( 5 ) = 3.780 RVL = 7.400

SECTION ( 1 ) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2116  
.301 .1908  
.500 .1736 .1101 .0923 .1347  
.700 -.1853



TABULATED SOURCE DATA, R.I. TMF 281 - 1A68

(REF.11) ( 18 APR 74 )

LOWER MING SURFACE

PAGE-METRIC DATA

BETA = .000

DATE 01 OCT 74

1A68 C1 F1 M(1)

REFERENCE DATA

XREF = 2690.0000 SQ.FT. XMRP = .0000  
 YREF = 1328.3000 IN. YMRP = .0000  
 ZREF = 1328.3000 IN. ZMRP = .0000  
 SCALE = .0040

MACH ( 1 ) = 1.503 ALPHA ( 1 ) = -3.700 RVL = 9.600  
 SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .4181  
 .301 .3361  
 .500 .3626 .3675 .4120 .0000  
 .700 .1509

MACH ( 1 ) = 1.503 ALPHA ( 2 ) = -1.790 RVL = 9.600  
 SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .3515  
 .301 .3019  
 .500 .3717 .3531 .3672 .0000  
 .700 .1389

MACH ( 1 ) = 1.503 ALPHA ( 3 ) = .120 RVL = 9.600  
 SECTION ( 1 ) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2369  
 .301 .2754  
 .500 .3625 .3413 .3511 .0000  
 .700 .1356

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

1A68 C1 F1 M(1) LOWER WING SURFACE (REFL11)

MACH ( 1 ) = 1.503 ALPHA ( 4 ) = 2.010 RWL = 9.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C	
.102	.0239
.301	.2541
.500	.3017
.700	.1181
	.2984
	.0000

MACH ( 1 ) = 1.503 ALPHA ( 5 ) = 4.040 RWL = 9.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C	
.102	-.1275
.301	.2677
.500	.2476
.700	.1041
	.2469
	.0000

MACH ( 2 ) = 1.991 ALPHA ( 1 ) = -3.660 RWL = 13.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C	
.102	.0800
.301	-.0406
.500	.2152
.700	.1212
	.1826
	.1239
	.0000

MACH ( 2 ) = 1.991 ALPHA ( 2 ) = -1.940 RWL = 13.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C	
.102	.1141
.301	-.0191
.500	.2482
.700	.1599
	.2354
	.1977
	.0000





DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF4L11)

1A68 CI FI MI (1) LOWER WING SURFACE

MACH ( 2 ) = 1.991 ALPHA ( 3 ) = .000 RV/L = 13.800

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C  
 .102 .1418  
 .301 .0275  
 .500 .3040 .3065 .0000  
 .700 .1916

MACH ( 2 ) = 1.991 ALPHA ( 4 ) = 1.980 RV/L = 13.800

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C  
 .102 .1396  
 .301 .1562  
 .500 .3404 .3368 .0000  
 .700 .2149

MACH ( 2 ) = 1.991 ALPHA ( 5 ) = 5.910 RV/L = 13.800

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C  
 .102 .1825  
 .301 .3582  
 .500 .3563 .3591 .3599 .0017  
 .700 .2271

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

FACE 2L2  
(RFAL12) ( 14 APR 74 )

TABLATED SOURCE DATA, R.I. TWT 281 - 1A69  
1A69 C1 F1 M2(1) LOWER WING SURFACE

DATE 01 OCT 74

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XGRP = .0000  
LREF = 1328.3000 IN. YGRP = .0000  
BREF = 1328.3000 IN. ZGRP = .0000  
SCALE = .0040

MACH ( 1 ) = 1.223 ALPHA ( 1 ) = .000 RVL = 7.300

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6390 .7770

X/C

.102 .1705  
.301 .0778  
.500 .2699 .3347 .2472  
.700 -.0136

